ARMY
NAVY
AIR FORCE

TM 11-5895-856-34-13
EE640-CA-MMI-130/E154 CPU
TO 31W2-2T-122-13

TECHNICAL MANUAL

DIRECT SUPPORT AND GENERAL SUPPORT

MAINTENANCE MANUAL

FOR

CENTRAL, MESSAGE SWITCHING, AUTOMATIC
AN/TYC-39(V)1

AND

CENTRAL OFFICE, TELEPHONE, AUTOMATIC
AN/TTC-39(V)2

AUTOMATIC DATA PROCESSING
ASSEMBLIES

D E P A R T M E N T S   O F   T H E   A R M Y ,   N A V Y ,   A N D   A I R   F O R C E

22 SEPTEMBER 1983

5 SAFETY STEPS TO FOLLOW IF SOMEONE IS THE VICTIM OF ELECTRICAL SHOCK

1 DO NOT TRY TO PULL OR GRAB THE INDIVIDUAL

2 IF POSSIBLE, TURN OFF THE ELECTRICAL POWER

3 IF YOU CANNOT TURN OFF THE ELECTRICAL POWER, PULL, PUSH, OR LIFT THE PERSON TO SAFETY USING A DRY WOODEN POLE OR A DRY ROPE OR SOME OTHER INSULATING MATERIAL

4 SEND FOR HELP AS SOON AS POSSIBLE

5 AFTER THE INJURED PERSON IS FREE OF CONTACT WITH THE SOURCE OF ELECTRICAL SHOCK, MOVE THE PERSON A SHORT DISTANCE AWAY AND IMMEDIATELY START ARTIFICIAL RESUSCITATION

WARNING

HIGH VOLTAGE

is used in the operation of this equipment.

DEATH ON CONTACT

may result if personnel fail to observe safety precautions. Learn the areas containing high voltage in each piece of equipment. Be careful not to contact high-voltage connections when installing or operating this equipment. Before working inside the equipment, turn power off and ground points of high potential before touching them.

WARNING

USE OF CLEANING SOLVENT

Adequate ventilation should be provided while using TRICHLOROTRIFLUOROETHANE (NSN 6850-00-105-3084). Prolonged breathing of vapor should be avoided. The solvent should not be used near heat or open flame; the products of decomposition are toxic and irritating. Since TRICHLOROTRIFLUOROETHANE dissolves natural oils, prolonged contact with skin should be avoided. When necessary, use gloves which the solvent cannot penetrate. If the solvent is taken internally, consult a physician immediately.

INSERT LATEST CHANGED PAGES. DESTROY SUPERSEDED PAGES.

LIST OF EFFECTIVE PAGES

Dates of issue for original and changed pages are;

Original   0

TOTAL NUMBER OF PAGES IN THIS PUBLICATION IS 386 CONSISTING OF THE FOLLOWING:

Page No.	#Change No.	Page No.	#Change No.	Page No.	# Change No.
Cover..	0				
Safety Steps.........	0				
a	0				
b	0				
i - ii	0				
(149016-860) 1-372	0				
Report of Errors	0				

Zero in this column indicates an original page.

**DIRECT SUPPORT AND GENERAL SUPPORT
MAINTENANCE MANUAL**

FOR

**CENTRAL, MESSAGE SWITCHING, AUTOMATIC
AN/TYC-39(V)1**

AND

**CENTRAL OFFICE, TELEPHONE, AUTOMATIC
AN/TTC-39(V)2**

**AUTOMATIC DATA PROCESSING
ASSEMBLIES**

TABLE OF CONTENTS

VOLUME 13 TM 11-5895-856-34-13

Card Cage Assembly "A", Interface Control Unit - R.H., Wire List, Logic (149016-860)

This volume is part of a 24-volume set covering the direct support and general support maintenance of the automatic data processing assemblies. This volume contains the logic wire list for the right-hand card cage assembly "A" of the interface control unit, drawing number 149016-860. Refer to volume 1 of this series (TM 11-5895-856-34-1) for an explanation of how to use this wire list as well as other lists contained in the set.

NOTE

The pages in volumes 2 through 24 of TM 11-5895-856-34 have been numbered in a special manner. Pages within these volumes are found by keying to two page identifiers: the drawing number and the page number. To find the page that you desire within the volume, follow the steps listed below:

    1. Find the applicable wire run list in the table of contents and note the applicable drawing number.

    2. Look through the pages of the volume until you find the particular drawing number of the wire run list that you seek. This will insure that you are in the correct wire run section.

    3. Go through these pages until you find the page number you are looking for within this particular wire run list.

Remember, pages in the volumes cited above are found by keying to the drawing number applicable to a particular wire run list, as well as, a page number. Make sure you are on the correct page by checking both page identifiers.

CARD CAGE ASSEMBLY "A", INTERFACE CONTROL UNIT

- RIGHT HAND

LOGIC WIRE LIST

149016-860

NOTES: UNLESS OTHERWISE SPECIFIED

1. REFERENCE TO SHEET 3 FOR DEFINITION OF FIELDS.
2. REFERENCE TO SHEET 4 FOR CONFIGURATIONS OF SHIELD AND WIRE TERMINATIONS.
3. REFERENCE TO SHEET 5 OF STRING LIST FOR WIRE CODE DEFINITIONS.
4. REFERENCE TO SHEET 6 OF STRING LIST FOR WIRE PARTS LIST.
5. ALL ABBREVIATIONS PER MIL-STD-12.
6. THROUGHOUT THE BODY OF THIS DOCUMENT THE UNIT NAME IS REFERRED TO AS: CARD CAGE ASSY, A, IFCU.

H78 STRING AND CONNECTOR LIST, DEFINITION OF FIELDS

1. **Record Number** - A unique Data Processing number which associates all information pertaining to a wire "FROM" Connector, "TO" Connector, Wire Code, etc. This number is the wire ID when that field is blank.

2. **Prefix** - An assembly alphanumeric to be used when a wire terminates in two assemblies. This number will be the reference designation as required by USAS Y32.16-1968.

3. **Connector** - Any type of terminating point, plug, receptacle, etc. Designations are in accordance with USAS Y32.16-1968.

4. **Pin** - Exact terminating point of the respective connector. Designations are unique:
   A. SHXXXX indicates the junction of a shield and a pigtail, the four digits to the right are the wire identity of the shielded wire.
   B. JCT indicates a common point of two or more shield pigtails.
   C. Jacket: the terminology used when describing the line that defines the identification of a shielded wire.

5. **Sh Fg** - References a graphic representation showing how a shielded wire or coax is to be terminated. A number in this field indicates the level of automatic wire wrapping.

6. **Multi Group** - Associates wires of a group such as "twisted wire" or "shielded wire". Jacket, pigtails and center conductors will be shown as a common group.

7. **Wire Code** - A three-digit code for wire type and gage or bus bar.

8. **Wire Color** - Standard RETMA color code.
   A. Base Stripe Tracer.
   B. Stripe, Tracer 1 and Tracer 2 if the digit to the left is other than 9 and the two positions to the right are not blank and not equal. The Base Color is understood to be white.

9. **Wire Ident** - A number used for reference to differentiate one wire from another. This number will be used to identify the wire when specified in the wire list sleeve code field.

10. **Spc Inst** - A code which indicates that a wire must be given special attention as follows:
   A. Direct routing, no service loops, no harnessing.
   B. See general notes or instruction pages.
   C. See general notes or instruction pages.
   D. See general notes or instruction pages.
   E. See general notes or instruction pages.
   F. See signal description.
   G. This connection does not go directly to the "TO" connector, but intersects a line going to the "TO" connector.
   H. See special routing page.
   I. Junction point for multi-layer laminated board (MLB) connection.
   J. Denotes a bus reference point.
   K. Blank out "TO" connector and pin.
   L. Will cause a signal name of three characters or less to be entered in the string list.
   M. Will cause a record to be omitted from the string list. (This record will print in the connector list.)
   N. Will suppress printing the wire identity in the harness string and double entry list.
   P. Will cause the equation to be used as the signal name for sorting purposes only in the string list.

H78 STRING AND CONNECTOR LIST, DEFINITION OF FIELDS - Continued

   Q. Will cause an equation record to be omitted from logic listing.
   R. Will suppress printing the "FROM/TO" pin number in the string and connector lists.
   S. Do not move record number to the ident field for an ADD transaction in the harness string and double entry only. (Use only when adding a file.)
   T. Twist wire code.
   U. Not available.
   V. See general notes or instruction pages.
   W. Fixed wire length submitted.
   X. Sequence of string is to be left as is.
   Y. See general notes or instruction pages.
   Z. Will suppress printing of the "FROM" pin.

10. **Misc** - Unless otherwise noted, the number 1 indicates a pre-wired connector.

11. **Signal** - An alphanumeric signal name, mnemonic where feasible, which identifies one specific function from another.
    SPP - Denotes an available termination.
    SPF - Denotes an unwired termination which has an assigned function.
    SPW - Denotes a non-functional wire which is terminated at one or both ends.
    SPO - Denotes a spare output of a circuit.
    DNW - Indicates that a termination may not be wired.
    SPA - Denotes an unassigned circuit, as one of a group on a printed circuit board.
    SPI - Denotes a spare input of a circuit.
    SPG - Denotes an unassigned logic gate, as one of a group on a printed circuit board.
    SPR - Denotes a spare resistor.
    SPD - Denotes an unassigned input diode of an assigned logic gate.

12. **Seq No**. - A number which, in conjunction with SIGNAL, allows a signal string to be consistently printed in a given order.

13. **Equation** - A mnemonic name assigned to each gate of an element.

14. **Term** - An "OR" function composed of one or more factors.

15. **Factor** - A specific input to a logical gate or active element.

16. **Ckt or Chip Type** - Denotes a specific circuit board type.

17. **Group** - Denotes a specific circuit on a printed circuit board.

18. **Load or Power Plane** - Denotes the current draw in milliamps by a specific circuit or voltage.

19. **AND Test Point** - Denotes the input test point for a specific circuit on a printed circuit board.

20. **OR Test Point** - Denotes the output test point for a specific circuit on a circuit board.

21. **Signal Description** - A written description or name of a signal or voltage.

22. **ECO No.** - A letter number combination to show the Engineering Change Order level of that particular wire list record.

SHIELD FIGURE A

SHIELD TERMINATION FOR SHIELDED,
SINGLE AND MULTIPLE CONDUCTORS,
NO PIGTAIL IS REQUIRED.
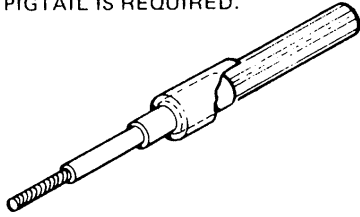
SHIELD FIGURE B

SHIELD TERMINATION FOR SHIELDED,
SINGLE AND MULTIPLE CONDUCTORS,
FRONT PIGTAIL IS REQUIRED.

SHIELD FIGURE NO.3
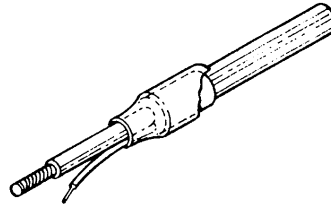
SHIELD FIGURE NO.2

SHIELD FIGURE G

SHIELDED CABLE TERMINATION WITH DRAIN WIRE
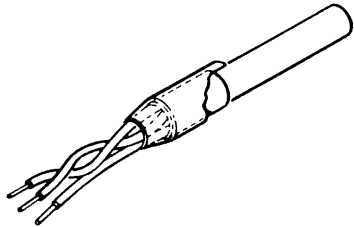
SHIELD FIGURE NO. 1

SHIELD FIGURE C

SHIELD TERMINATION FOR SHIELDED,
SINGLE AND MULTIPLE CONDUCTORS,
A REAR PIGTAIL IS REQUIRED.
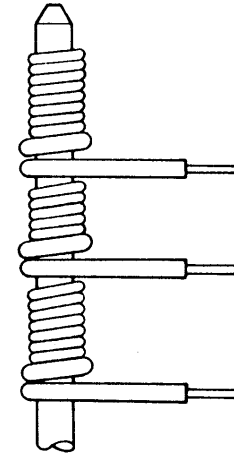
SHIELD FIGURE NUMBER
INDICATES LEVEL OF WIRE WRAP

SHIELD FIGURE Z

COAXIAL CONNECTOR TERMINATION
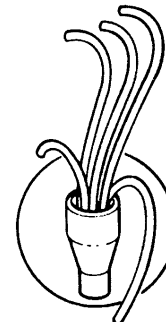
SHIELD FIGURE X

SHIELDED WIRE
PIGTAILS—HYBRID
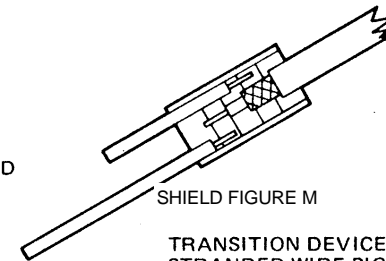
SHIELD FIGURE M

TRANSITION DEVICE WITH
STRANDED WIRE PIGTAILS

SHIELD FIGURE N

TRANSITION DEVICE WITH
SOLID WIRE PIGTAILS

Drawing No.
149016-860
Rev. E, sheet 4

DATA SYSTEMS DIVISION / LITTON SYSTEMS INC / LITTON INDUSTRIES

DRAWING NUMBER	149016-860				LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	KAEBRA
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU					FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	5

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA113	TS8	A1	05	B	KAEBRA	00	=		RESET OUTPUT COMMAND FOR F/F
XA113	TS8	A1	02	B	(11)	01		KK1290 KK08C0 KK04F0 KK03F0 KXCP3B SPI0011 SPI0031 SPI0021 01 02B 04 04A 05 03B 06 05A 07 03A 08 06A 10 07A 13 06B	
XA120	TT3	A1	04	A	KAEB0A	00	=		SET OUTPUT COMMANDEOB F/F
XA120	TT3	A1	05	A	(04)	01		KDOUTQ KXEB1Q KXCP3B 06 05A 08 06A 10 07A	
XA115	TD4	B1	11	B	KAEN0A	00	=		START OUTPUT COMND
XA115	TD4	B1	12	A	(23)	01		KDOUTQ KSNC2S KBUSYS KXCP3B 22 12A 24 13A 25 12B 26 14A	
XA125	TD4	D2	24	B	KAENOR	00	=		
XA125	TD4	D2	23	B	(45)	01		KAENOS KAOENS KAEN1A KXRSOB 43 23B 46 21A 48 22A 50 23A	
XA124	TT3	D2	23	B	KAENOS	00	=		OUTPUT COUNTER BIT0
XA124	TT3	D2	22	B	(43)	01		KAENOR KAENOA KAEN2A 41 22B 46 21A 48 22A	
XA123	TQ2	D2	21	A	KAEN1A	00	=		
XA123	TQ2	D2	22	A	(46)	01		KAEN1S KXCP3B 48 22A 50 23A	
XA120	TT3	C3	19	B	KAEN1R	00	=		
XA120	TT3	C3	16	B	(39)	01		KAEN1S KAEN3A KXRSOB 33 16B 35 17B 37 18B	
XA121	TQ2	C3	16	B	KAEN1S	00	=		OUTPUT ENABLE BIT1
XA121	TQ2	C3	14	B	(33)	01		KAEN1R KAEN4A 29 14B 31 15B	
XA113	TS8	C1	17	B	KAEN2A	00	=		
XA113	TS8	C1	15	A	(35)	01		KDOUTQ KAOENS KK1290 KKPE00 KXCP3B SPI0021 SPI0011 SPI0031 30 15A 31 15B 34 16A 36 17A 37 18B 38 18A 40 19A 42 20A	
XA120	TT3	D1	23	A	KAEN2R	00	=		
XA120	TT3	D1	24	A	(50)	01		KAEN2S KAEN5A KXRSOB 52 24A 54 25A 56 26A	
XA121	TQ2	D1	24	A	KAEN2S	00	= ·		OUTPUT COUNTER BIT2
XA121	TQ2	D1	25	A	(52)	01		KAEN2R KXED0A 54 25A 56 26A	
XA122	TQ2	C1	18	A	KAEN3A	00	=		
XA122	TQ2	C1	19	A	(38)	01		KAENOR KXCP1B 40 19A 42 20A	
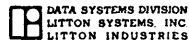
DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860		LOGIC	UNIT ASSEMBLY NO. 149016	REV. E	INDEX KAEN3R
	UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU			FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 6

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA120	TT3	D2	23B		KAEN3R	00	=		
XA120	TT3	D2	22B		(43)	01		KAEN3S KAEN7A KXRSOB 41 22B 46 21A 48 22A	
XA121	TQ2	D2	21A		KAEN3S	00	=		OUTPUT COUNTER BIT3
XA121	TQ2	D2	22A		(46)	01		KAEN3R KAEN6A 48 22A 50 23A	
XA122	TQ2	C2	15A		KAEN4A	00	=		
XA122	TQ2	C2	16A		(30)	01		KAEN0S KXCP1B 34 16A 36 17A	
XA122	TQ2	E2	28A		KAEN5A	00	=		
XA122	TQ2	E2	29A		(60)	01		KAEN3S KXCP3B 62 29A 64 30A	
XA122	TQ2	C3	16B		KAEN6A	00	=		
XA122	TQ2	C3	14B		(33)	01		KAEN2S KXCP1B 29 14B 31 15B	
XA122	TQ2	C4	19B		KAEN7A	00	=		
XA122	TQ2	C4	17B		(39)	01		KAEN2R KXCP1B 35 17B 37 18B	
XA120	TT3	C1	17A		KAE0BR	00	=		
XA120	TT3	C1	18A		(36)	01		KAE0BS KAEBRA KXRSOB 38 18A 40 19A 42 20A	
XA121	TQ2	C1	18A		KAE0BS	00	=		EOB RECEIVED ON OUTPUT
XA121	TQ2	C1	19A		(38)	01		KAE0BR KAEB0A 40 19A 42 20A	
XA125	TD4	E2	30B		KAIENR	00	=		
XA125	TD4	E2	29B		(57)	01		KAIENS KAIERA KETX1A KXRSOB 55 29B 60 28A 62 29A 64 30A	
XA123	TQ2	E3	30B		KAIENS	00	=		AUTO INPUT MODE ENABLE F/F
XA123	TQ2	E3	28B		(57)	01		KAIENR KAIN0A 53 28B 55 29B	
XA124	TT3	F1	36B		KAIERA	00	=		RESET AUTO INPUT MODE EN F/F
XA124	TT3	F1	37B		(73)	01		KDAINQ KXEB1Q KXCP3B 75 37B 77 38B 79 39B	
XA125	TD4	F1	37A		KAIN0A	00	=		START INPUT COMAND
XA125	TD4	F1	37B		(76)	01		KDAINQ KSNC2S KBUSYS KXCP3B 75 37B 77 38B 78 38A 79 39B	

3-2880-1

6

DATA SYSTEMS DIVISION / LITTON SYSTEMS INC / LITTON INDUSTRIES

DRAWING NUMBER	149016-860	
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU	

LOGIC

UNIT ASSEMBLY NO.	149016	REV. E	INDEX KAOENR
FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE 7

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG- NATOR	FACTOR	COMMENT
XA120	TT3	C2		15 B	KAOENR	00	=		
XA120	TT3	C2		14 B	(31)	01		KAOENS KAOERA KXRSOB 29 14B 30 15A 34 16A	
XA121	TQ2	C2	15 A		KAOENS	00	=		AUTO OUTPUT MODE ENABLE F/F
XA121	TQ2	C2	16 A		(30)	01		KAOENR KAENOA 34 16A 36 17A	
XA113	TS8	B1		11 B	KAOERA	00	=		RESET AUTO OUTPUT MODE EN F/F
XA113	TS8	B1	09 A		(23)	01		KAEOBS KK1290 KK08CO KK04FO KK03EO KXCP3B SPIO021 SPIO011 14 09A 18 10A 19 09B 20 11A 22 12A 24 13A 25 12B 26 14A	
XA115	TD4	B2		10 B	KBSYOA	00	=		SET HARDWARE BUSY F/F
XA115	TD4	B2	09 A		(21)	01		KSNC1S SPIO021 KXCP1B SPIO011 14 09A 18 10A 19 09B 20 11A	
XA123	TQ2	D4		27 B	KBUSYA	00	=		HARDWARE BUSY WHENLOW
XA123	TQ2	D4		25 B	(51)	01		KPBZYO SPIO151 47 25B 49 26B	
XA124	TT3	B3		13 B	KBUSYR	00	=		
XA124	TT3	B3		10 B	(27)	01		KBUSYS KINT1A KXRSOB 21 10B 23 11B 25 12B	
XA123	TQ2	B3		10 B	KBUSYS	00	=		HARDWARE BUSY F/F
XA123	TQ2	B3		08 B	(21)	01		KBUSYR KBSYOA 17 08B 19 09B	
					KCDERI	00	=		
XA117	TDD	EI	19 A		( )	01		SPIO011 40 19A	
					KCDERN	00	=		
XA117	TDD	EN	20 A		( )	01		SPIO021 42 20A	
XA117	TDD	EP		17 B	KCDERP	00	=		
XA117	TDD	EP	18 A		(35)	01		KSRSOA 38 18A	
XA117	TDD	EQ		18 B	KCDERQ	00	=		COMPUTER DATA PARITY ERROR F/F
XA117	TDD	EQ		19 B	(37)	01		KCDESA 39 19B	
XA121	TQ2	F1		37 B	KCDESA	00	=		
XA121	TQ2	F1		38 B	(75)	01		KCDESO SPIO131 77 38B 79 39B	

DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO.	149016	REV. E	INDEX	KCDESO
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	8

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA122	TQ2	F2	34A		KCDESO	00	=		SET COMPUTER DATA PAR ER F/F
XA122	TQ2	F2	36A		(72)	01		KXDPEA KXODEA 71 36A 73 36B	
					KDAINI	00	≈		
XA130	TDD	EI	19A		( )	01		KDAINO 40 19A	
					KDAINN	00	=		
XA130	TDD	EN	20A		( )	01		KXDVIO 42 20A	
XA130	TDD	EP	17B		KDAINP	00	=		
XA130	TDD	EP	18A		(35)	01		KXRSOB 38 18A	
XA130	TDD	EQ	18B		KDAINQ	00	=		INPUT COMMAND F/F
XA130	TDD	EQ	19B		(37)	01		SPIO161 39 19B	
XA126	TQ2	B3	10B		KDAINO	00	=		
XA126	TQ2	B3	08B		(21)	01		KXRAF5T SPIO151 17 08B 19 09B	
XA126	TQ2	E2	28A		KDCPOO	00	=		DATA REGISTER CLOCK PO 123
XA126	TQ2	E2	29A		(60)	01		KXEDOA KXODOA 62 29A 64 30A	
XA126	TQ2	E3	30B		KDCP10	00	=		DATA REGISTER CLOCK 4567
XA126	TQ2	E3	28B		(57)	01		KXEDOA KXODOA 53 28B 55 29B	
XA122	TQ2	D3	24B		KDEVIR	00	=		
XA122	TQ2	D3	22B		(45)	01		KDEVIS KXRSOB 41 22B 43 23B	
XA121	TQ2	D3	24B		KDEVIS	00	=		END INPUT COMND REQUEST INHBT
XA121	TQ2	D3	22B		(45)	01		KDEVIR KDEVOA 41 22B 43 23B	
XA119	TQ2	D4	27B		KDEVOA	00	=		
XA119	TQ2	D4	25B		(51)	01		KDEVIQ KXCP3B 47 25B 49 26B	
					KDEVOI	00	=		
XA117	TDD	DI	10A		( )	01		KXGN2A 18 10A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS. INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU			LOGIC		UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX KDEVON PAGE 9

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
				KDEVON	00	=		
XA117	TDD	DN	09A	( )	01		KDEVOA 14 09A	
XA117	TDD	DP	10B	KDEVOP	00	=		
XA117	TDD	DP	11A	(21)	01		KXRSOB 20 11A	
XA117	TDD	DQ	09B	KDEVOQ	00	=		END INPUT COUNTER BIT 0
XA117	TDD	DQ	08B	(19)	01		KXDV3A 17 08B	
XA121	TQ2	D4	27B	KDEV1A	00	=		
XA121	TQ2	D4	25B	(51)	01		KDEV3S KXCP3B 47 25B 49 26B	
				KDEV1I	00	=		
XA118	TDD	DI	10A	( )	01		KDEVOQ 18 10A	
				KDEV1N	00	=		
XA118	TDD	DN	09A	( )	01		KXCP1B 14 09A	
XA118	TDD	DP	10B	KDEV1P	00	=		
XA118	TDD	DP	11A	(21)	01		KXRSOB 20 11A	
XA118	TDD	DQ	09B	KDEV1Q	00	=		END INPUT COUNTER BIT 1
XA118	TDD	DQ	08B	(19)	01		SPI0021 17 08B	
XA124	TT3	C3	19B	KDEV2A	00	=		
XA124	TT3	C3	16B	(39)	01		KDEV2S KXXREP KXCP1B 33 16B 35 17B 37 18B	
XA120	TT3	D3	27B	KDEV2R	00	=		
XA120	TT3	D3	24B	(51)	01		KDEV2S KDEV1A KXRSOB 45 24B 47 25B 49 26B	
XA122	TQ2	D1	24A	KDEV2S	00	=		END INPUT COUNTER BIT 2
XA122	TQ2	D1	25A	(52)	01		KDEV2R KDEVOA 54 25A 56 26A	
XA121	TQ2	C4	19B	KDEV3A	00	=		
XA121	TQ2	C4	17B	(39)	01		KDEV2R KXCP1B 35 17B 37 18B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	KDEV3R
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT T39CIFC6		DATE 09-03-82	PAGE	10

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR									COMMENT
XA120	TT3	E1	30A		KDEV3R	00	=										
XA120	TT3	E1		31A	(64)	01		KDEV3S 66 31A	KDEV3A 68 32A	KXRSOB 70 33A						
XA122	TQ2	D2	21A		KDEV3S	00	=									END INPUT COUNTER BIT 3
XA122	TQ2	D2		22A	(46)	01		KDEV3R 48 22A	KDEV2A 50 23A							
XA114	TS8	B1	11B		KDP7RA	00	=									RESET DATA REG ON COMMAND
XA114	TS8	B1		09A	(23)	01		KDAINQ 14 09A	KAIENS 18 10A	KKTCCP 19 09B	KK0870 20 11A	KK04B5U 22 12A	KK1200 24 13A	KXCP3B 25 12B	SPIO011 26 14A
XA114	TS8	C1	17B		KDP7SA	00	=									LOAD DATA REGISTERSTROBE
XA114	TS8	C1		15A	(35)	01		KDAINQ 30 15A	KAIENS 31 15B	KEYINO 34 16A	KKTCCP 36 17A	KK0870 37 18B	KK04B5U 38 18A	KXCP3B 40 19A	SPIO011 42 20A
XA122	TQ2	B4	13B		KDP7SO	00	=									
XA122	TQ2	B4		11B	(27)	01		KDP7SA 23 11B	SPIO131 25 12B							
XA127	TQ2	F1	37B		KDRSOA	00	=									
XA127	TQ2	F1		38B	(75)	01		KDRS00 77 38B	SPIO161 79 39B							
XA124	TT3	E3	33B		KDRS00	00	=									RESET DATA REGIST ER
XA124	TT3	E3		30B	(63)	01		KDP7RA 57 30B	KXODRA 59 31B	KXRSOB 61 32B						
XA127	TQ2	F2	34A		KDRS1A	00	=									
XA127	TQ2	F2		36A	(72)	01		KDRS00 71 36A	SPIO161 73 36B							
					KDOPBI	00	=									
XA130	TDD	K1	29A		( )	01		KMRPCB 62 29A								
					KDOPBN	00	=									
XA130	TDD	KN	28A		( )	01		KDCP00 60 28A								
XA130	TDD	KP	30B		KDOPBP	00	=									
XA130	TDD	KP	30A		(57)	01		KDRSOA 64 30A								
XA130	TDD	KQ	29B		KDOPBQ	00	=									DATA REGISTER BIT
XA130	TDD	KQ	28B		(55)	01		KDOPSA 53 28B								

3-2880-1

| | | | DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES | DRAWING NUMBER   149016-860 UNIT ASSEMBLY NAME   CARD CAGE ASSY,A,IFCU | | LOGIC | UNIT ASSEMBLY NO.   149016 FILE IDENT   T39CIFC6 | REV. E DATE 09-03-82 | INDEX   KDOPSA PAGE   11 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA121	TQ2	B4	13	B	KDOPSA	00	=		DATA REGISTER SET BIT P
XA121	TQ2	B4	11	B	(27)	01		KDP7S0 KK1280 23 11B 25 12B	
					KDOUTI	00	=		
XA128	TDD	FI	16	A	( )	01		KDOUT0 34 16A	
					KDOUTN	00	=		
XA128	TDD	FN	15	A	( )	01		KXDV10 30 15A	
XA128	TDD	FP	16	B	KDOUTP	00	=		
XA128	TDD	FP	17	A	(33)	01		KXRS0B 36 17A	
XA128	TDD	FQ	15	B	KDOUTQ	00	=		OUTPUT COMMAND F/F
XA128	TDD	FQ	14	B	(31)	01		SPIO141 29 14B	
XA126	TQ2	B4	13	B	KDOUT0	00	=		
XA126	TQ2	B4	11	B	(27)	01		KXRAF7T SPIO151 23 11B 25 12B	
					KD00BI	00	=		
XA130	TDD	LI	38	B	( )	01		KMROCB 77 38B	
					KD00BN	00	=		
XA130	TDD	LN	39	B	( )	01		KDCP00 79 39B	
XA130	TDD	LP	37	A	KD00BP	00	=		
XA130	TDD	LP	37	B	(76)	01		KDRS0A 75 37B	
XA130	TDD	LQ	38	A	KD00BQ	00	=		DATA REGISTR BIT Q
XA130	TDD	LQ	39	A	(78)	01		SPIO161 80 39A	
					KD01BI	00	=		
XA130	TDD	MI	36	A	( )	01		KMR1CB 71 36A	
					KD01BN	00	=		
XA130	TDD	MN	34	A	( )	01		KDCP00 72 34A	

3-2880-1

DATA SYSTEMS DIVISION **LITTON SYSTEMS, INC** **LITTON INDUSTRIES**	DRAWING NUMBER	149016-860		LOGIC	UNIT ASSEMBLY NO. 149016	REV. E	INDEX KD01BP
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU			FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 12

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG- NATOR	FACTOR	COMMENT
XA130	TDD	MP	35	A	KD01BP	00	=		
XA130	TDD	MP	36	B	(69)	01		KDRS0A 73 36B	
XA130	TDD	MQ	35	B	KD01BQ	00	=		
XA130	TDD	MQ	34	B	(74)	01		KD01SA 65 34B	
XA121	TQ2	A1	05	A	KD01SA	00	=		
XA121	TQ2	A1	06	A	(06)	01		KDP7S0 KK1270 08 06A 10 07A	
					KD02BI	00	=		
XA129	TDD	KI	29	A	( )	01		KMR2CB 62 29A	
					KD02BN	00	=		
XA129	TDD	KN	28	A	( )	01		KDCP00 60 28A	
XA129	TDD	KP	30	B	KD02BP	00	=		
XA129	TDD	KP	30	A	(57)	01		KDRS0A 64 30A	
XA129	TDD	KQ	29	B	KD02BQ	00	=		
XA129	TDD	KQ	28	B	(55)	01		KD02SA 53 28B	
XA121	TQ2	A2	02	B	KD02SA	00	=		
XA121	TQ2	A2	04	A	(01)	01		KDP7S0 KK1260 04 04A 05 03B	
					KD03BI	00	=		
XA129	TDD	LI	38	B	( )	01		KMR3CB 77 38B	
					KD03BN	00	=		
XA129	TDD	LN	39	B	( )	01		KDCP00 79 39B	
XA129	TDD	LP	37	A	KD03BP	00	=		
XA129	TDD	LP	37	B	(76)	01		KDRS0A 75 37B	
XA129	TDD	LQ	38	A	KD03BQ	00	=		
XA129	TDD	LQ	39	A	(78)	01		KD03SA 80 39A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS. INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX KD03SA
PAGE 13

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA121	TQ2	A3	04	B	KD03SA	00	=		
XA121	TQ2	A3	02	A	(09)	01		KDP7S0 KK1250 03 02A 07 03A	
					KD04BI	00	=		
XA129	TDD	MI	36	A	( )	01		KMR4CB 71 36A	
					KD04BN	00	=		
XA129	TDD	MN	34	A	( )	01		KDCP10 72 34A	
XA129	TDD	MP	35	A	KD04BP	00	=		
XA129	TDD	MP	36	B	(69)	01		KDRS1A 73 36B	
XA129	TDD	MQ	35	B	KD04BQ	00	=		
XA129	TDD	MQ	34	B	(74)	01		KD04SA 65 34B	
XA121	TQ2	A4	07	B	KD04SA	00	=		
XA121	TQ2	A4	05	B	(15)	01		KDP7S0 KK1240 11 05B 13 06B	
					KD05BI	00	=		
XA128	TDD	KI	29	A	( )	01		KMR5CB 62 29A	
					KD05BN	00	=		
XA128	TDD	KN	28	A	( )	01		KDCP10 60 28A	
XA128	TDD	KP	30	B	KD05BP	00	=		
XA128	TDD	KP	30	A	(57)	01		KDRS1A 64 30A	
XA128	TDD	KQ	29	B	KD05BQ	00	=		
XA128	TDD	KQ	28	B	(55)	01		KD05SA 53 28B	
XA121	TQ2	B1	12	A	KD05SA	00	=		
XA121	TQ2	B1	13	A	(22)	01		KDP7S0 KK1230 24 13A 26 14A	
					KD06BI	00	=		
XA128	TDD	LI	38	B	( )	01		KMR6CB 77 38B	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS. INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO.	149016		REV. E		INDEX KD06BN
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT	T39CIFC6		DATE 09-03-82		PAGE 14

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					KD06BN	00	=		
XA128	TDD	LN	39B		( )	01		KDCP10 79 39B	
XA128	TDD	LP	37A		KD06BP	00	=		
XA128	TDD	LP	37B		(76)	01		KDRS1A 75 37B	
XA128	TDD	LQ	38A		KD06BQ	00	=		
XA128	TDD	LQ	39A		(78)	01		KD06SA 80 39A	
XA121	TQ2	B2	09A		KD06SA	00	=		
XA121	TQ2	B2	10A		(14)	01		KDP7S0 KK1220 18 10A 20 11A	
					KD07BI	00	=		
XA128	TDD	MI	36A		( )	01		KMR7CB 71 36A	
					KD07BN	00	=		
XA128	TDD	MN	34A		( )	01		KDCP10 72 34A	
XA128	TDD	MP	35A		KD07BP	00	=		
XA128	TDD	MP	36B		(69)	01		KDRS1A 73 36B	
XA128	TDD	MQ	35B		KD07BQ	00	=		DATA REGISTR BIT 7
XA128	TDD	MQ	34B		(74)	01		KD07SA 65 34B	
XA121	TQ2	B3	10B		KD07SA	00	=		DATA REGISTER SET BI7 7
XA121	TQ2	B3	08B		(21)	01		KDP7S0 KK1210 17 08B 19 09B	
XA139	TQ2	B2	09A		KENIN0	00	=		
XA139	TQ2	B2	10A		(14)	01		KXRAF6T SPI0201 18 10A 20 11A	
XA114	TS8	D1	25B		KETX0A	00	=		EXT CHARACTER IS IN DATA REG
XA114	TS8	D1	23B		(47)	01		KD0PBQ KD01BP KD02BP KD03BP KD04BP KD05BP KD06BQ KD07BQ 43 23B 46 21A 48 22A 49 26B 50 23A 52 24A 54 25A 56 26A	
XA119	TQ2	E1	31A		KETX00	00	=		
XA119	TQ2	E1	32A		(66)	01		KETX0A SPI0131 68 32A 70 33A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU	LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX KETX1A PAGE 15	

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA120	TT3	E2	29B		KETX1A	00	=		EXT CHARACTER STRB
XA120	TT3	E2		28B	(55)	01		KIEN1S KETX00 KXCP3B 53 28B 60 28A 62 29A	
XA143	DCF	D5	38B		KEYINDX	00	=		KEYBOARD INPUT DATA RECEIVER
XA143	DCF	D5		36A	(80)	01		KXGN1A 72 36A	
XA138	TQ2	B3	10B		KEYINO	00	=		
XA138	TQ2	B3		08B	(21)	01		KEYINOX SPIO18I 17 08B 19 09B	
XA143	DCF	D6	38A		KEYINOX	00	=		
XA143	DCF	D6		37A	(76)	01		KXGN2A 74 37A	
XA123	TQ2	E4	33B		KIENRA	00	=		RESET INPUT DATA DETECT CONTR
XA123	TQ2	E4		31B	(63)	01		KIENRO SPIO151 59 31B 61 32B	
XA122	TQ2	E3	30B		KIENRO	00	=		
XA122	TQ2	E3		28B	(57)	01		KAIENS KEYINOX 53 28B 55 29B	
XA124	TT3	E1	30A		KIENSA	00	=		START MAIN TIME COUNT ON INP
XA124	TT3	E1		31A	(64)	01		KAIENS KIENOQ KIEN1P 66 31A 68 32A 70 33A	
XA114	TS8	F1	37A		KIENOA	00	=		START INPUT COUNTR
XA114	TS8	F1		36A	(76)	01		KDAINQ KAIENS KK1290 KK08B3U KXCP3B SPIO021 SPIO011 SPIO031 71 36A 72 34A 73 36B 74 35B 75 37B 77 38B 78 38A 79 39B	
					KIENOI	00	=		
XA117	TDD	KI		29A	( )	01		SPIO011 62 29A	
					KIENON	00	=		
XA117	TDD	KN		28A	( )	01		K16MIO 60 28A	
XA117	TDD	KP	30B		KIENOP	00	=		
XA117	TDD	KP		30A	(57)	01		KIENRA 64 30A	
XA117	TDD	KQ	29B		KIENOQ	00	=		DATA DETECT COUNTER BIT 0
XA117	TDD	KQ		28B	(55)	01		SPIOQ21 53 28B	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS. INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860	LOGIC	UNIT ASSEMBLY NO. 149016	REV. E	INDEX KIENOR
		UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU		FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 16

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND / OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA125	TD4	D1	25B	KIENOR	00	=		
XA125	TD4	DI	26B	(47)	01		KIENOS KIEN1A KAIENS KXRSOB / 49 26B 52 24A 54 25A 56 26A	
XA123	TQ2	D1	24A	KIENOS	00	=		INPUT COUNTER BIT 0
XA123	TQ2	DI	25A	(52)	01		KIENOR KIENOA / 54 25A 56 26A	
XA122	TQ2	D4	27B	KIEN1A	00	=		
XA122	TQ2	D4	25B	(51)	01		KIEN1S KXCP3B / 47 25B 49 26B	
				KIEN1I	00	=		
XA118	TDD	KI	29A	( )	01		KIENOQ / 62 29A	
				KIEN1N	00	=		
XA118	TDD	KN	28A	( )	01		K16MIO / 60 28A	
XA118	TDD	KP	30B	KIEN1P	00	=		
XA118	TDD	KP	30A	(57)	01		KIENRA / 64 30A	
XA118	TDD	KQ	29B	KIEN1Q	00	=		DATA DETECT COUNTER BIT 1
XA118	TDD	KQ	28B	(55)	01		SPI0011 / 53 28B	
XA124	TT3	B1	11A	KIEN1R	00	=		
XA124	TT3	B1	12A	(20)	01		KIEN1S KIEN3A KXRSOB / 22 12A 24 13A 26 14A	
XA123	TQ2	B1	12A	KIEN1S	00	=		INPUT COUNTER BIT 1
XA123	TQ2	B1	13A	(22)	01		KIEN1R KIEN2A / 24 13A 26 14A	
XA122	TQ2	A3	04B	KIEN2A	00	=		
XA122	TQ2	A3	02A	(09)	01		KIENOS KXCP1B / 03 02A 07 03A	
XA121	TQ2	E4	33B	KIEN3A	00	=		
XA121	TQ2	E4	31B	(63)	01		KIENOR KXCP1B / 59 31B 61 32B	
				KIFONA	00	=		
XA543	TLD	F4	39A	( )	01		KIFOND4 / 80 39A	

3-2880-1

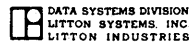| DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES | DRAWING NUMBER
UNIT ASSEMBLY NAME | 149016-860
CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6 | REV. E
DATE 09-03-82 | INDEX KIFOND4
PAGE 17 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA543	TLD	F4	39A		KIFOND4	00	=		KIFONA BUSS
XA543	TLD	F4	37A		(80)	01		SPI028 SPI029 76 37A 78 38A	
XA122	TQ2	F1	37B		KINT1A	00	=		
XA122	TQ2	F1	38B		(75)	01		KINT1O SPI0131 77 38B 79 39B	
XA113	TS8	F1	37A		KINT1O	00	=		END OF DEV COMMAND INTERRUPT
XA113	TS8	F1	36A		(76)	01		KSCI1A KETX1A KAIERA KPINTA SPI0011 SPI0021 SPI0031 SPI0041 71 36A 72 34A 73 36B 74 35B 75 37B 77 38B 78 38A 79 39B	
XA122	TQ2	B2	09A		KINT2A	00	=		
XA122	TQ2	B2	10A		(14)	01		KINT1O SPI0131 18 10A 20 11A	
XA131	TS8	F1	37A		KIOTRA	00	=		(SPARE)
XA131	TS8	F1	36A		(76)	01		KAIENS KK1290 KK08CO KK04FO KK03EO KXCP3B SPI0161 SPI0141 71 36A 72 34A 73 36B 74 35B 75 37B 77 38B 78 38A 79 39B	
XA124	TT3	E2	29B		KIOUTR	00	=		
XA124	TT3	E2	28B		(55)	01		KIOUTS KXEA0A KXRSOB 53 28B 60 28A 62 29A	
XA123	TQ2	E2	28A		KIOUTS	00	=		PRINT INHIBIT F/F
XA123	TQ2	E2	29A		(60)	01		KIOUTR KIEN1A 62 29A 64 30A	
XA135	TQ2	F2	34A		KKPEOA	00	=		DIVIDE BY 13 PARALLEL ENTRY
XA135	TQ2	F2	36A		(72)	01		KK08CO KK04B5U 71 36A 73 36B	
XA122	TQ2	E1	31A		KKPE00	00	=		
XA122	TQ2	E1	32A		(66)	01		KKPEOA SPI0131 68 32A 70 33A	
XA121	TQ2	E1	31A		KKPE1A	00	=		DIVIDE BY 10 PARALLEL ENTRY
XA121	TQ2	E1	32A		(66)	01		KK1290 KKPE00 68 32A 70 33A	
					KKTCCI	00	=		
XA117	TDD	CI	13A		( )	01		SPI0011 24 13A	
					KKTCCN	00	=		
XA117	TDD	CN	14A		( )	01		KK15QA 26 14A	

3-2880-1

| | DATA SYSTEMS DIVISION LITTON SYSTEMS. INC LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX KKTCCP PAGE 18 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA117	TDD	CP	11	B	KKTCCP	00	=		
XA117	TDD	CP	12	A	(23)	01		KKTCRA	
								22 12A	
XA117	TDD	CQ	12	B	KKTCCQ	00	=		MAIN TIMING COUNTER CONTRL F/F
XA117	TDD	CQ	13	B	(25)	01		KKTC1A	
								27 13B	
XA127	TQ2	F4	39	A	KKTCRA	00	=		START MAIN TIMING COUNTER
XA127	TQ2	F4	37	A	(80)	01		KKTCRO SPI0161	
								76 37A 78 38A	
XA132	TT3	F1	36	B	KKTCRO	00	=		
XA132	TT3	F1	37	B	(73)	01		KAEN5A KIENSA SPI0172	
								75 37B 77 38B 79 39B	
XA119	TQ2	A4	07	B	KKTC1A	00	=		
XA119	TQ2	A4	05	B	(15)	01		KKTC10 SPI0021	
								11 05B 13 06B	
XA120	TT3	B3	13	B	KKTC10	00	=		
XA120	TT3	B3	10	B	(27)	01		KIEN0A KXRS0B SPI0021	
								21 10B 23 11B 25 12B	
					KK00BI	00	=		
XA128	TDD	HI	22	A	( )	01		KK0090	
								48 22A	
					KK00BN	00	=		
XA128	TDD	HN	21	A	( )	01		KXCP1B	
								46 21A	
XA128	TDD	HP	24	B	KK00BP	00	=		
XA128	TDD	HP	23	A	(45)	01		KKTCCP	
								50 23A	
XA128	TDD	HQ	23	B	KK00BQ	00	=		
XA128	TDD	HQ	22	B	(43)	01		SPI0051	
								41 22B	
XA135	TQ2	F4	39	A	KK0090	00	=		
XA135	TQ2	F4	37	A	(80)	01		KK009A1 KK00BQ	
								76 37A 78 38A	
XA133	DBC	C1	18	A	KK03B1U	00	=		BITS 0-1-2-3 OF MAIN TIMER
XA133	DBC	C1	18	B	(38)	01		SPI0141 SPI0181 SPI0051 SPI0041 SPI0171	
								39 18B 41 19B 43 22B 45 23B 50 24A	

3-2880-1

| DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY, A, IFCU | | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX KK03B2U PAGE 19 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA133	DBC	C2	19A		KK03B2U	00	=		
XA133	DBC	C2		17B	(40)	01		KXCP1B 37 17B	
XA133	DBC	C3	20A		KK03B3U	00	=		
XA133	DBC	C3	23A		(42)	01		SPIO201 47 23A	
XA133	DBC	C4	21A		KK03B4U	00	=		
XA133	DBC	C4	22A		(46)	01		KK00BQ 48 22A	
XA133	DBC	C5	17A		KK03B5U	00	=		
XA133	DBC	C5		16B	(36)	01		KKTCCP 35 16B	
XA119	TQ2	A1	05A		KK03D0	00	=		STATE D OF KK03 BITS
XA119	TQ2	A1	06A		(06)	01		KK0305T SPIO011 08 06A 10 07A	
XA119	TQ2	A2		02B	KK03E0	00	=		STATE E OF KK03 BITS
XA119	TQ2	A2	04A		(01)	01		KK0306T SPIO011 04 04A 05 03B	
XA119	TQ2	A3		04B	KK03F0	00	=		STATE F OF KK03 BITS
XA119	TQ2	A3	02A		(09)	01		KK0307T SPIO011 03 02A 07 03A	
XA122	TQ2	E4		33B	KK03QA	00	=		
XA122	TQ2	E4		31B	(63)	01		KK03B4U SPIO131 59 31B 61 32B	
XA134	DBC	B1	12A		KK0300T	00	=		KK03 BITS STATE DECODER
XA134	DBC	B1	10A		(24)	01		KK03B1U 20 10A	
XA134	DBC	B2	13A		KK0301T	00	=		
XA134	DBC	B2	11A		(26)	01		KK03B2U 22 11A	
XA134	DBC	B3	14A		KK0302T	00	=		
XA134	DBC	B3		09B	(27)	01		KK03B3U 19 09B	
XA134	DBC	B4	15A		KK0303T	00	=		
XA134	DBC	B4		10B	(30)	01		KK03QA 21 10B	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS. INC
LITTON INDUSTRIES

DRAWING NUMBER **149016-860**
UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**

LOGIC

UNIT ASSEMBLY NO. **149016**
FILE IDENT **T39CIFC6**

REV. **E**
DATE **09-03-82**

INDEX **KK0304T**
PAGE **20**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA134	DBC	B5	16	A	KK0304T	00	=		
XA134	DBC	B5			(33)	01		SPA 4T	
XA134	DBC	B6	11	B	KK0305T	00	=		
XA134	DBC	B6			(23)	01		SPA 5T	
XA134	DBC	B7	12	B	KK0306T	00	=		
XA134	DBC	B7			(25)	01		SPA 6T	
XA134	DBC	B8	13	B	KK0307T	00	=		
XA134	DBC	B8			(29)	01		SPA 7T	
XA134	DBC	B9	14	B	KK0308T	00	=		
XA134	DBC	B9			(31)	01		SPA 8T	
XA134	DBC	B0	15	B	KK0309T	00	=		
XA134	DBC	B0			(34)	01		SPA 9T	
XA134	DBC	C1	18	A	KK04B1U	00	=		BITS 4-5-6-7 OF MAIN TIMER
XA134	DBC	C1	18	B	(38)	01		SPI0181 SPI0051 SPI0041 SPI0141 SPI0171 39 18B 41 19B 43 22B 45 23B 50 24A	
XA134	DBC	C2	19	A	KK04B2U	00	=		
XA134	DBC	C2	17	B	(40)	01		KXCP1B 37 17B	
XA134	DBC	C3	20	A	KK04B3U	C0	=		
XA134	DBC	C3	23	A	(42)	01		SPI0191 47 23A	
XA134	DBC	C4	21	A	KK04B4U	00	=		
XA134	DBC	C4	22	A	(46)	01		KK03B5U 48 22A	
XA134	DBC	C5	17	A	KK04B5U	00	=		
XA134	DBC	C5	16	B	(36)	01		KKTCCP 35 16B	
XA115	TD4	A2	04	B	KK04FA	00	=		KK04 STATE F
XA115	TD4	A2	02	B	(09)	01		KK04B4U KK04B3U KK04B2U KK04B1U 01 02B 04 04A 05 03B 07 03A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS. INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO.	149016	REV. E	INDEX KK04F0
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE 21

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA123	TQ2	A4	07	B	KK04F0	00	=		
XA123	TQ2	A4	05	B	(15)	01		KK04FA SPI0151 11 05B 13 06B	
XA133	DBC	D1	26	A	KK08B1U	00	=		~~BITS 8-9-10-11 OF MAIN TIMER~~
XA133	DBC	D1	26	B	(54)	01		KXGN1A KXGN2A KXGN3A KXGN4A KKPE0A 53 26B 55 27B 57 29B 59 30B 63 31A	
XA133	DBC	D2	28	B	KK08B2U	00	=		
XA133	DBC	D2	25	B	(56)	01		KXCP1B 51 25B	
XA133	DBC	D3	28	A	KK08B3U	00	=		
XA133	DBC	D3	31	B	(60)	01		SPI0181 61 31B	
XA133	DBC	D4	29	A	KK08B4U	00	=		
XA133	DBC	D4	30	A	(62)	01		KK04B5U 64 30A	
XA133	DBC	D5	25	A	KK08B5U	00	=		
XA133	DBC	D5	24	B	(52)	01		KKTCCP 49 24B	
XA115	TD4	A1	05	B	KK08CA	00	=		KK08 STATE C
XA115	TD4	A1	05	A	(11)	01		KK08B4U KK08B3U KK09QA KK08QA 06 05A 08 06A 10 07A 13 06B	
XA122	TQ2	A2	02	B	KK08C0	00	=		
XA122	TQ2	A2	04	A	(01)	01		KK08CA SPI0131 04 04A 05 03B	
XA119	TQ2	E2	28	A	KK08QA	00	=		
XA119	TQ2	E2	29	A	(60)	01		KK08B1U SPI0131 62 29A 64 30A	
XA124	TT3	D1	23	A	KK087A	00	=		KK08 BITS STATE 7
XA124	TT3	D1	24	A	(50)	01		KK08B3U KK08B2U KK08B1U 52 24A 54 25A 56 26A	
XA123	TQ2	E1	31	A	KK0870	00	=		
XA123	TQ2	E1	32	A	(66)	01		KK087A SPI0151 68 32A 70 33A	
XA119	TQ2	E3	30	B	KK09QA	00	=		
XA119	TQ2	E3	28	B	(57)	01		KK08B2U SPI0131 53 28B 55 29B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO.	149016		REV. E		INDEX	KK12B1U		
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT	T39CIFC6		DATE	09-03-82	PAGE	22		

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR					COMMENT
XA134	DBC	D1	26A		KK12B1U	00	=						BITS 12-13-14-15 OF MAIN TIMER
XA134	DBC	D1	26B		(54)	01		KXGN1A	KXGN2A	KXGN3A	KXGN4A	KKPE1A	
								53 26B	55 27B	57 29B	59 30B	63 31A	
XA134	DBC	D2	28B		KK12B2U	00	=						
XA134	DBC	D2	25B		(56)	01		KXCP1B					
								51 25B					
XA134	DBC	D3	28A		KK12B3U	00	=						
XA134	DBC	D3	31B		(60)	01		SPI0181					
								61 31B					
XA134	DBC	D4	29A		KK12B4U	00	=						
XA134	DBC	D4	30A		(62)	01		KKPE00					
								64 30A					
XA134	DBC	D5	25A		KK12B5U	00	=						
XA134	DBC	D5	24B		(52)	01		KKTCCP					
								49 24B					
XA119	TQ2	B1	12A		KK1200	00	=						KK12 STATE 0
XA119	TQ2	B1	13A		(22)	01		KK1200T	SPI0011				
								24 13A	26 14A				
XA133	DBC	A1	04A		KK1200T	00	=						KK12 BITS STATE DECODER
XA133	DBC	A1	02A		(08)	01		KK12B1U					
								04 02A					
XA133	DBC	A2	05A		KK1201T	00	=						
XA133	DBC	A2	03A		(10)	01		KK12B2U					
								06 03A					
XA133	DBC	A3	06A		KK1202T	00	=						
XA133	DBC	A3	02B		(14)	01		KK12B3U					
								03 02B					
XA133	DBC	A4	07A		KK1203T	00	=						
XA133	DBC	A4	03B		(13)	01		KK12B4U					
								05 03B					
XA133	DBC	A5	08B		KK1204T	00	=						
XA133	DBC	A5			(17)	01		SPA					
								4T					
XA133	DBC	A6	04B		KK1205T	00	=						
XA133	DBC	A6			(07)	01		SPA					
								5T					

3-2880-1

22

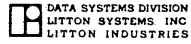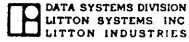| DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU	LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX KK1206T PAGE 23

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG- NATOR	FACTOR	COMMENT
XA133	DBC	A7	05	B	KK1206T	00	=		
XA133	DBC	A7			(09)	01		SPA 6T	
XA133	DBC	A8	06	B	KK1207T	00	=		
XA133	DBC	A8			(11)	01		SPA 7T	
XA133	DBC	A9	07	B	KK1208T	00	=		
XA133	DBC	A9			(15)	01		SPA 8T	
XA133	DBC	A0	09	A	KK1209T	00	=		
XA133	DBC	A0			(18)	01		SPA 9T	
XA119	TQ2	B2	09	A	KK1210	00	=		KK12 STATE 1
XA119	TQ2	B2	10	A	(14)	01		KK1201T SPI0131 18 10A 20 11A	
XA119	TQ2	B3	10	B	KK1220	00	=		KK12 STATE 2
XA119	TQ2	B3	08	B	(21)	01		KK1202T SPI0131 17 08B 19 09B	
XA119	TQ2	B4	13	B	KK1230	00	=		KK12 STATE 3
XA119	TQ2	B4	11	B	(27)	01		KK1203T SPI0131 23 11B 25 12B	
XA119	TQ2	C1	18	A	KK1240	00	=		KK12 STATE 4
XA119	TQ2	C1	19	A	(38)	01		KK1204T SPI0131 40 19A 42 20A	
XA119	TQ2	C2	15	A	KK1250	00	=		KK12 STATE 5
XA119	TQ2	C2	16	A	(30)	01		KK1205T SPI0131 34 16A 36 17A	KK12 STATE 6
XA119	TQ2	C3	16	B	KK1260	00	=		
XA119	TQ2	C3	14	B	(33)	01		KK1206T SPI0131 29 14B 31 15B	
XA119	TQ2	C4	19	B	KK1270	00	=		KK12 STATE 7
XA119	TQ2	C4	17	B	(39)	01		KK1207T SPI0131 35 17B 37 18B	
XA119	TQ2	D1	24	A	KK1280	00	=		KK12 STATE 8
XA119	TQ2	D1	25	A	(52)	01		KK1208T SPI0131 54 25A 56 26A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016   REV. E   INDEX KK1290
FILE IDENT T39CIFC6   DATE 09-03-82   PAGE 24

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA119	TQ2	D2	21A		KK1290	00	=		KK12 STATE 9
XA119	TQ2	D2	22A		(46)	01		KK1209T SPI0131 48 22A 50 23A	
XA119	TQ2	D3	24B		KK15QA	00	=		
XA119	TQ2	D3	22B		(45)	01		KK1284U SPI0131 41 22B 43 23B	
XA124	TT3	A2	03A		KLPTBR	00	=		
XA124	TT3	A2	02B		(07)	01		KLPTBS KXXDDP KXRSOB 01 02B 03 02A 05 03B	
XA123	TQ2	A2	02B		KLPTBS	00	=		LOOP TEST BUSY F/F
XA123	TQ2	A2	04A		(01)	01		KLPTBR KXODOA 04 04A 05 03B	
					KLPTOI	00	=		
XA117	TDD	BI	03B		( )	01		RXGN2A 05 03B	
					KLPTON	00	=		
XA117	TDD	BN	02B		( )	01		KLPTIA 01 02B	
XA117	TDD	BP	04B		KLPTOP	00	=		
XA117	TDD	BP	04A		(09)	01		KXRSOB 04 04A	
XA117	TDD	BQ	03A		KLPTOQ	00	=		LOOP TEST COUNTER BIT 0
XA117	TDD	BQ	02A		(07)	01		KXODOA 03 02A	
XA122	TQ2	A1	05A		KLPT1A	00	=		
XA122	TQ2	A1	06A		(06)	01		KLPTIQ KXCP3B 08 06A 10 07A	
					KLPT1I	00	=		
XA118	TDD	BI	03B		( )	01		KLPTOQ 05 03B	
					KLPT1N	00	=		
XA118	TDD	BN	02B		( )	01		RXCP1B 01 02B	
XA118	TDD	BP	04B		KLPT1P	00	=		
XA118	TDD	BP	04A		(09)	01		KXRSOB 04 04A	

3-2860-1

| | | | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY, A, IFCU | | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX KLPT10 PAGE 25 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA118	TDD	BQ	03	A	KLPT1Q	00	=		LOOP TEST COUNTER BIT 1
XA118	TDD	BQ	02	A	(07)	01		SPI0051 03 02A	
XA124	TT3	A1	04	A	KLPT2R	00	=		
XA124	TT3	A1	05	A	(04)	01		KLPT2S KXXDDP KXRSOB 06 05A 08 06A 10 07A	
XA123	TQ2	A1	05	A	KLPT2S	00	=		LOOP TEST DATA WAIT FOR ENABLE
XA123	TQ2	A1	06	A	(06)	01		KLPT2R KLPT1A 08 06A 10 07A	
XA127	TQ2	F3	35	A	KLTE0A	00	=		LOOP TEST START INPUT DATA
XA127	TQ2	F3	34	B	(69)	01		KLPT2S KXEA00 65 34B 74 35B	
	TQ2				KMRPCB	00	=		
XA139	TQ2	C3	16	B	( )	01		KXRPCS 33 16B	
XA340	TQ2	C3	16	B	( )	02	+	MXRPCS 33 16B	
	TQ2				KMR0CB	00	=		
XA139	TQ2	D1	24	A	( )	01		KXR0CS 52 24A	
XA340	TQ2	D1	24	A	( )	02	+	MXR0CS 52 24A	
	TQ2				KMR1CB	00	=		
XA139	TQ2	D2	21	A	( )	01		KXR1CS 46 21A	
XA340	TQ2	D2	21	A	( )	02	+	MXR1CS 46 21A	
	TQ2				KMR2CB	00	=		
XA139	TQ2	D3	24	B	( )	01		KXR2CS 45 24B	
XA340	TQ2	D3	24	B	( )	02	+	MXR2CS 45 24B	
	TQ2				KMR3CB	00	= .		
XA139	TQ2	D4	27	B	( )	01		KXR3CS 51 27B	
XA340	TQ2	D4	27	B	( )	02	+	MXR3CS 51 27B	
	TQ2				KMR4CB	00	=		
XA139	TQ2	E1	31	A	( )	01		KXR4CS 66 31A	
XA340	TQ2	E1	31	A	( )	02	+	MXR4CS 66 31A	

3-2880-1

| DATA SYSTEMS DIVISION LITTON SYSTEMS. INC LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | | LOGIC | | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX KMR5CB PAGE 26 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					KMR5CB	00	=		
XA139	TQ2	E2	28A		( )	01		KXR5CS 60 28A	
XA340	TQ2	E2	28A		( )	02	+	MXR5CS 60 28A	
					KMR6CB	00	=		
XA139	TQ2	E3	30B		( )	01		KXR6CS 57 30B	
XA340	TQ2	E3	30B		( )	02	+	MXR6CS 57 30B	
					KMR7CB	00	=		
XA139	TQ2	E4	33B		( )	01		KXR7CS 63 33B	
XA340	TQ2	E4	33B		( )	02	+	MXR7CS 63 33B	
					KMXCIB	00	=		
XA129	TDD	GQ	26B		( )	01		KXXCIQ 49 26B	
XA321	TDD	LQ	38A		( )	02	+	MXXCIQ 78 38A	
					KM031B	00	=		
XA134	DBC	E1	34A		( )	01		KXS031U 70 34A	
XA335	DBC	E1	34A		( )	02	+	MXS031U 70 34A	
					KM032B	00	=		
XA134	DBC	E2	35A		( )	01		KXS032U 72 35A	
XA335	DBC	E2	35A		( )	02	+	MXS032U 72 35A	
					KM033B	00	=		
XA134	DBC	E3	36A		( )	01		KXS033U 74 36A	
XA335	DBC	E3	36A		( )	02	+	MXS033U 74 36A	
					KM034B	00	=		
XA134	DBC	E4	37A		( )	01		KXS034U 76 37A	
XA335	DBC	E4	37A		( )	02	+	MXS034U 76 37A	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS. INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	KM471B
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	27

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					KM471B	00	=		
XA133	DBC	E1	34A		( )	01		KXS471U 70 34A	
XA334	DBC	E1	34A		( )	02	+	MXS471U 70 34A	
					KM472B	00	=		
XA133	DBC	E2	35A		( )	01		KXS472U 72 35A	
XA334	DBC	E2	35A		( )	02	+	MXS472U 72 35A	
					KM473B	00	=		
XA133	DBC	E3	36A		( )	01		KXS473U 74 36A	
XA334	DBC	E3	36A		( )	02	+	MXS473U 74 36A	
					KM474B	00	=		
XA133	DBC	E4	37A		( )	01		KXS474U 76 37A	
XA334	DBC	E4	37A		( )	02	+	MXS474U 76 37A	
XA113	TS8	E1	31B		KNULLA	00	=		
XA113	TS8	E1	29B		(59)	01		KD00BP KD01BP KD02BP KD03BP KD04BP KD05BP KD06BP KD07BP 55 29B 60 28A 61 32B 62 29A 64 30A 66 31A 68 32A 70 33A	
XA125	TD4	B2	10B		KPBZY0	00	=		TTY HARDWARE BUSY WHEN HI
XA125	TD4	B2	09A		(21)	01		KSNCOR KINT2A KXXDIR KLPTBR 14 09A 18 10A 19 09B 20 11A	
XA116	MUX	C1	17A		KPDTX1X	00	=		PARALLEL TO SERIAL MULTIPLEXER
XA116	MUX	C1	16B		(36)	01		SPI0011 KD07BP KD06BP KD05BP KD04BP KD03BP KD02BP KD01BP 35 16B 37 17B 39 18B 41 19B 43 22B 45 23B 47 23A 50 24A	
XA116	MUX	C2	18A		KPDTX2X	00	=		
XA116	MUX	C2	21A		(38)	01		KK12B1U KK12B2U KK12B3U KK12B4U 46 21A 42 20A 40 19A 48 22A	
XA124	TT3	B2	09B		KPDT8A	00	=		
XA124	TT3	B2	09A		(19)	01		KPOUT0 KD0PBP KK1280 14 09A 17 08B 18 10A	
XA122	TQ2	B3	10B		KPDT9A	00	=		
XA122	TQ2	B3	08B		(21)	01		KPOUT0 KPDTX1X 17 08B 19 09B	
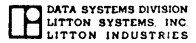
3-2880-1

| | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES | DRAWING NUMBER UNIT ASSEMBLY NAME | 149016-860 CARD CAGE ASSY,A,IFCU | | LOGIC | | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX KPDT90 PAGE 28 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA120	TT3	B2	09B		KPDT90	00	=		SERIAL OUTPUT DATA TO TTY
XA120	TT3	B2	09A		(19)	01		KPDT9A KPDT8A KOUT0A 14 09A 17 09B 18 10A	
					KPETXI	00	=		
XA118	TDD	FI	16A		( )	01		SPI0031 34 16A	
					KPETXN	00	=		
XA118	TDD	FN	15A		( )	01		SPI0041 30 15A	
XA118	TDD	FP	16B		KPETXP	00	=		
XA118	TDD	FP	17A		(33)	01		KSRS0A 36 17A	
XA118	TDD	FQ	15B		KPETXQ	00	=		EXT ON INPUT COMMAND F/F
XA118	TDD	FQ	14B		(31)	01		KETX1A 29 14B	
					KPEOB1	00	=		
XA118	TDD	EI	19A		( )	01		SPI0011 40 19A	
					KPEOBN	00	=		
XA118	TDD	EN	20A		( )	01		SPI0021 42 20A	
XA118	TDD	EP	17B		KPEOBP	00	=		
XA118	TDD	EP	18A		(35)	01		KSRS0A 38 18A	
XA118	TDD	EQ	18B		KPEOBQ	00	=		EOB ON INPUT COMMAND F/F
XA118	TDD	EQ	19B		(37)	01		KAIERA 39 19B	
XA131	TS8	E1	31B		KPINTA	00	=		EOB INTERRUPT ON OUTPUT COMND
XA131	TS8	E1	29B		(59)	01		KAEOBS KKI290 KK08C0 KK04F0 KK03D0 KXCP3B SPI0161 SPI0141 55 29B 60 28A 61 32B 62 29A 64 30A 66 31A 68 32A 70 33A	
XA121	TQ2	F3	35A		KPRQPA	00	=		
XA121	TQ2	F3	34B		(69)	01		KDAINQ KXXREQ 65 34B 74 35B	
XA122	TQ2	F4	39A		KPRQP0	00	=		REQUEST PENDING ON INPUT
XA122	TQ2	F4	37A		(80)	01		KPRQPA SPI0131 76 37A 78 38A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS. INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860	UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU		LOGIC		UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX KPOUTA PAGE 29

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND / OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA115	TD4	C1	17B	KPOUTA	00	=		
XA115	TD4	C1	18B	(35)	01		KDOUTQ KAOENS KKTCCP KNULLA 37 18B 38 18A 40 19A 42 20A	
XA143	DCF	D7	33A	KPOUTDX4	00	=		OUTPUT DATA TO TTYDRIVER
XA143	DCF	D7	36A	(61)	01		KXGN1A 72 36A	
				KPOUTI	00	=		
XA118	TDD	C1	13A	( )	01		KPDT90 24 13A	
				KPOUTN	00	=		
XA118	TDD	CN	14A	( )	01		KXCP3B 26 14A	
XA118	TDD	CP	11B	KPOUTP	00	=		
XA118	TDD	CP	12A	(23)	01		KXRSOB 22 12A	
XA118	TDD	CQ	12B	KPOUTQ	00	=		SERIAL DATA OUTPUT/F
XA118	TDD	CQ	13B	(25)	01		SPI0011 27 13B	
XA123	TQ2	C3	16B	KPOUTO	00	=		OUTPUT TO TTY ENABLE CONTROL
XA123	TQ2	C3	14B	(33)	01		KPOUTA SPI0131 29 14B 31 15B	
XA143	DCF	D8	34A	KPOUTOX	00	=		
XA143	DCF	D8	35A	(68)	01		KPOUTQ 70 35A	
XA120	TT3	F3	39A	KRTDEA	00	=		INPUT COMMAND START DATA INPUT
XA120	TT3	F3	35A	(80)	01		KDAINQ KAIENS KXEA00 69 35A 76 37A 78 38A	
XA132	TT3	F2	35B	KSCI1A	00	=		NOT BUSY COMMAND REJECT
XA132	TT3	F2	34B	(74)	01		KSNC2S KBUSYR KXCP3B 65 34B 71 36A 72 34A	
XA114	TS8	E1	31B	KSNCOA	00	=		
XA114	TS8	E1	29B	(59)	01		KSNCOS KSNC2R KBUSYR KINT1A KXCP3B SPI0011 SPI0021 SPI0031 55 29B 60 28A 61 32B 62 29A 64 30A 66 31A 68 32A 70 33A	
XA124	TT3	A3	07B	KSNCOR	00	=		
XA124	TT3	A3	04B	(15)	01		KSNCOS KINT1A KXRSOB 09 04B 11 05B 13 06B	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS. INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO. 149016	REV. E	INDEX KSNCOS
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 30

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA123	TQ2	A3	04B		KSNCOS	00	=		DEVICE COMMAND SYNC BIT 0
XA123	TQ2	A3	02A		(09)	01		KSNCOR KSYN1A 03 02A 07 03A	
XA122	TQ2	B1	12A		KSNC1A	00	=		
XA122	TQ2	B1	13A		(22)	01		KSNC2S KXCP3B 24 13A 26 14A	
XA124	TT3	C1	17A		KSNC1R	00	=		
XA124	TT3	C1	18A		(36)	01		KSNC1S KSNC1A KXRSOB 38 18A 40 19A 42 20A	
XA123	TQ2	C1	18A		KSNC1S	00	=		DEVICE COMMAND SYNC BIT 1
XA123	TQ2	C1	19A		(38)	01		KSNC1R KSNCOA 40 19A 42 20A	
XA126	TQ2	D2	21A		KSNC2A	00	=		
XA126	TQ2	D2	22A		(46)	01		KSNC1S KXCP1B 48 22A 50 23A	
XA124	TT3	C2	15B		KSNC2R	00	=		
XA124	TT3	C2	14B		(31)	01		KSNC2S KSNC3A KXRSOB 29 14B 30 15A 34 16A	
XA123	TQ2	C2	15A		KSNC2S	00	=		DEVICE COMMAND SYNC BIT 2
XA123	TQ2	C2	16A		(30)	01		KSNC2R KSNC2A 34 16A 36 17A	
XA123	TQ2	B4	13B		KSNC3A	00	=		
XA123	TQ2	B4	11B		(27)	01		KSNC1R KXCP1B 23 11B 25 12B	
XA119	TQ2	F2	34A		KSRSOA	00	=		
XA119	TQ2	F2	36A		(72)	01		KSRSOO SPIO131 71 36A 73 36B	
XA120	TT3	F2	35B		KSRSOO	00	=		RESET ERROR/STATUSREGISTER
XA120	TT3	F2	34B		(74)	01		KSNC2A KXODRA KXRSOB 65 34B 71 36A 72 34A	
XA127	TQ2	B3	10B		KSYN1A	00	=		START NEW INPUT OROUTPUT COM
XA127	TQ2	B3	08B		(21)	01		KSYN10 KXDV10 17 08B 19 09B	
XA126	TQ2	B2	09A		KSYN10	00	=		
XA126	TQ2	B2	10A		(14)	01		KXRAF5T KXRAF7T 18 10A 20 11A	

3-2680-1

| DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX KXACMB4 PAGE 31 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					KXACMB4	00	≠		
XA141	TLD	C2	15A		( )	01		KXACMD 30 15A	PORT A/B COMMAND LINE BUS
XA140	TLD	C2	15A		( )	02	+	KXBCMD 30 15A	PORT A/B COMMAND LINE BUS
XA141	TLD	C2	15A		KXACMD	00	=		KXACMB4 BUSS
XA141	TLD	C2	16A		(30)	01		KXAIFO KXACMOX 34 16A 36 17A	
XA143	DCF	C1	25B		KXACMDX	00	=		MBCMAB BUSS
XA143	DCF	C1	29A		(46)	01		KXAOEA 52 29A	
XA143	DCF	C2	26B		KXACMOX	00	=		
XA143	DCF	C2	27B		(47)	01		KXGN1A 49 27B	
					KXAENB4	00	=		
XA141	TLD	C3	16B		( )	01		KXAEND 33 16B	PORT A/B ENABLE LINE BUS
XA140	TLD	C3	16B		( )	02	+	KXBEND 33 16B	PORT A/B ENABLE LINE BUS
XA141	TLD	C3	16B		KXAEND	00	=		KXAENB4 BUSS
XA141	TLD	C3	14B		(33)	01		KXAIFO KXAENOX 29 14B 31 15B	
XA143	DCF	C3	30B		KXAENDX	00	=		MBENAB BUSS
XA143	DCF	C3	29A		(55)	01		KXAOEA 52 29A	
XA143	DCF	C4	29B		KXAENOX	00	=		
XA143	DCF	C4	28B		(56)	01		KXGN1A 51 28B	
XA138	TQ2	A1	05A		KXAIEA	00	=		
XA138	TQ2	A1	06A		(06)	01		KXASLOX KXXDRA 08 06A 10 07A	
XA139	TQ2	A2	02B		KXAIEO	00	=		PORT A DATA RECEIVE ENABLE
XA139	TQ2	A2	04A		(01)	01		KXAIEA SPIO181 04 04A 05 03B	
XA139	TQ2	A3	04B		KXAIFO	00	=		
XA139	TQ2	A3	02A		(09)	01		KXAIEA SPIO181 03 02A 07 03A	
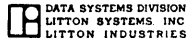
3-2880-1

| | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | DRAWING NUMBER UNIT ASSEMBLY NAME | 149016-860 CARD CAGE ASSY,A,IFCU | | LOGIC | | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX KXAINDX PAGE 32 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA143	DCF	C5	31B		KXAINDX	00	=		MBINAB BUSS
XA143	DCF	C5	29A		(60)	01		KXAOEA 52 29A	
XA143	DCF	C6	31A		KXAINOX	00	=		
XA143	DCF	C6	30A		(57)	01		KXDBIO 54 30A	
					KXAPCB4	00	=		
XA141	TLD	C1	18A		( )	01		KXAPCD 38 18A	PORT A/B PARITY LINE BUS
XA140	TLD	C1	18A		( )	02	+	KXBPCD 38 18A	PORT A/B PARITY LINE BUS
XA141	TLD	C1	18B		KXAPCD	00	=		KXAPCB4 BUSS
XA141	TLD	C1	19A		(38)	01		KXAIFO KXAPCOX 40 19A 42 20A	
XA143	DCF	C7	25A		KXAPCDX	00	=		MBOPAB BUSS
XA143	DCF	C7	29A		(43)	01		KXAOEA 52 29A	
XA143	DCF	C8	26A		KXAPCOX	00	=		
XA143	DCF	C8	28A		(48)	01		KXDSBPR 50 28A	
XA137	TD4	E1	31B		KXARQA	00	=		
XA137	TD4	E1	32B		(59)	01		KXASLOX KXINHR DEVINH KXXROQ 61 32B 66 31A 68 32A 70 33A	
XA127	TQ2	E1	31A		KXARQO	00	=		PORT A REQUEST
XA127	TQ2	E1	32A		(66)	01		KXARQA SPIO161 68 32A 70 33A	
XA132	TT3	B1	11A		KXARSA	00	=		PORT A IOU RESET
XA132	TT3	B1	12A		(20)	01		KXACMOX KXAENOX KXASLOX 22 12A 24 13A 26 14A	
XA141	TLD	C4	19B		KXAR4D1	00	=		PORT A REQUEST
XA141	TLD	C4	17B		(39)	01		KXARQO SPIO201 35 17B 37 18B	
XA138	TQ2	B1	12A		KXASLA	00	=		PORT A SELECT
XA138	TQ2	B1	13A		(22)	01		KXASLOX SPIO181 24 13A 26 14A	
					KXASLB	00	=		
XA142	DCF	D1	32B		( )	01		KXASLDX 65 32B	
XA344	DCF	D1	32B		( )	02	+	MXASLDX 65 32B	PORT A SELECT RECEIVER

3-2880-1

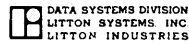|								
DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860		UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU		LOGIC		UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E INDEX KXASLDX DATE 09-03-82 PAGE 33

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND / OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA142	DCF	D1	32B	KXASLDX	00	=		KXASLB BUSS
XA142	DCF	D1	36A	(65)	01		SPI0211 72 36A	
XA142	DCF	D2	33B	KXASLOX	00	=		
XA142	DCF	D2	34B	(69)	01		SPI0191 71 34B	
				KXASTB	00	=		
XA143	DCF	D1	32B	( )	01		KXASTDX4 65 32B	
XA345	DCF	D1	32B	( )	02	+	MXASTDX4 65 32B	
XA143	DCF	D1	32B	KXASTDX4	00	=		KXASTB BUSS
XA143	DCF	D1	36A	(65)	01		KXGN1A 72 36A	
XA143	DCF	D2	33B	KXASTOX	00	=		
XA143	DCF	D2	34B	(69)	01		KXASLOX 71 34B	
				KXA0CB4	00	=		
XA141	TLD	A1	05A	( )	01		KXA0CD 06 05A	PORT A/B DATA LINE0 BUS
XA140	TLD	A1	05A	( )	02	+	KXB0CD 06 05A	PORT A/B DATA LINE0 BUS
XA141	TLD	A1	05A	KXA0CD	00	=		KXA0CB4 BUSS
XA141	TLD	A1	06A	(06)	01		KXAIE0 KXA0C0X 08 06A 10 07A	
XA143	DCF	A1	02B	KXA0CDX	00	=		MB00AB BUSS
XA143	DCF	A1	05A	(07)	01		KXA0EA 06 05A	
XA143	DCF	A2	03B	KXA0C0X	00	=		
XA143	DCF	A2	04B	(09)	01		KM031B 11 04B	
XA137	TD4	A1	05B	KXA0EA	00	=		PORT A DATA SEND ENABLE
XA137	TD4	A1	05A	(11)	01		KXASLOX KXINHR DEVINH KXXCSO 06 05A 08 06A 10 07A 13 06B	
				KXA1CB4	00	=		
XA141	TLD	A2	02B	( )	01		KXA1CD 01 02B	
XA140	TLD	A2	02B	( )	02	+	KXB1CD 01 02B	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	KXA1CD
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT T39CIFC6		DATE 09-03-82	PAGE	34

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG- NATOR	FACTOR	COMMENT
XA141	TLD	A2	02B		KXA1CD	00	=		KXA1CB4 BUSS
XA141	TLD	A2	04A		(01)	01		KXA1EO KXA1COX 04 04A 05 03B	
XA143	DCF	A3	07B		KXA1CDX	00	=		MB01AB BUSS
XA143	DCF	A3	05A		(17)	01		KXA0EA 06 05A	
XA143	DCF	A4	06B		KXA1COX	00	=		
XA143	DCF	A4	05B		(15)	01		KM032B 13 05B	
					KXA2CB4	00	=		
XA141	TLD	A3	04B		( )	01		KXA2CD 09 04B	
XA140	TLD	A3	04B		( )	02	+	KXB2CD 09 04B	
XA141	TLD	A3	04B		KXA2CD	00	=		KXA2CB4 BUSS
XA141	TLD	A3	02A		(09)	01		KXA1EO KXA2COX 03 02A 07 03A	
XA143	DCF	A5	08B		KXA2CDX	00	=		MB02AB BUSS
XA143	DCF	A5	05A		(14)	01		KXA0EA 06 05A	
XA143	DCF	A6	07A		KXA2COX	00	=		
XA143	DCF	A6	06A		(10)	01		KM033B 08 06A	
					KXA3CB4	00	=		
XA141	TLD	A4	07B		( )	01		KXA3CD 15 07B	
XA140	TLD	A4	07B		( )	02	+	KXB3CD 15 07B	
XA141	TLD	A4	07B		KXA3CD	00	=		KXA3CB4 BUSS
XA141	TLD	A4	05B		(15)	01		KXA1EO KXA3COX 11 05B 13 06B	
XA143	DCF	A7	02A		KXA3CDX	00	=		MB03AB BUSS
XA143	DCF	A7	05A		(01)	01		KXA0EA 06 05A	
XA143	DCF	A8	03A		KXA3COX	00	=		
XA143	DCF	A8	04A		(03)	01		KM034B 04 04A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX KXA4CB4
PAGE 35

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					KXA4CB4	00	=		
XA141	TLD	B1	12	A	( )	01		KXA4CD 22 12A	
XA140	TLD	B1	12	A	( )	02	+	KXB4CD 22 12A	
XA141	TLD	B1	12	A	KXA4CD	00	=		KXA4CB4 BUSS
XA141	TLD	B1	13	A	(22)	01		KXAIEO KXA4COX 24 13A 26 14A	
XA143	DCF	B1	10	B	KXA4CDX	00	=		MB04AB BUSS
XA143	DCF	B1	13	A	(27)	01		KXAOEA 36 13A	
XA143	DCF	B2	11	B	KXA4COX	00	=		
XA143	DCF	B2	12	B	(29)	01		KM471B 31 12B	
					KXA5CB4	00	=		
XA141	TLD	B2	09	A	( )	01		KXA5CD 14 09A	
XA140	TLD	B2	09	A	( )	02	+	KXB5CD 14 09A	
XA141	TLD	B2	09	A	KXA5CD	00	=		KXA5CB4 BUSS
XA141	TLD	B2	10	A	(14)	01		KXAIEO KXA5COX 18 10A 20 11A	
XA143	DCF	B3	15	B	KXA5CDX	00	=		MB05AB BUSS
XA143	DCF	B3	13	A	(37)	01		KXAOEA 36 13A	
XA143	DCF	B4	14	B	KXA5COX	00	=		
XA143	DCF	B4	13	B	(35)	01		KM472B 33 13B	
					KXA6CB4	00	=		
XA141	TLD	B3	10	B	( )	01		KXA6CD 21 10B	
XA140	TLD	B3	10	B	( )	02	+	KXB6CD 21 10B	
XA141	TLD	B3	10	B	KXA6CD	00	=		KXA6CB4 BUSS
XA141	TLD	B3	08	B	(21)	01		KXAIEO KXA6COX 17 08B 19 09B	
XA143	DCF	B5	16	A	KXA6CDX	00	=		MB06AB BUSS
XA143	DCF	B5	13	A	(41)	01		KXAOEA 36 13A	

3-2880-1

		DRAWING NUMBER	149016-860		LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	KXA6COX
DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC / LITTON INDUSTRIES		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU			FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	36

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA143	DCF	B6	15A		KXA6COX	00	=		
XA143	DCF	B6	14A		(40)	01		KM473B	
								38 14A	
.					KXA7CB4	00	=		
XA141	TLD	B4	13B		( )	01		KXA7CD	PORT A/B DATA LINE7 BUS
								27 13B	
XA140	TLD	B4	13B		( )	02	+	KXB7CD	PORT A/B DATA LINE7 BUS
								27 13B	
XA141	TLD	B4	13B		KXA7CD	00	=		KXA7CB4 BUSS
XA141	TLD	B4	11B		(27)	01		KXA1EO KXA7COX	
								23 11B 25 12B	
XA143	DCF	B7	10A		KXA7CDX	00	=		MB07AB BUSS
XA143	DCF	B7	13A		(23)	01		KXA0EA	
								36 13A	
XA143	DCF	B8	11A		KXA7COX	00	=		
XA143	DCF	B8	12A		(30)	01		KM474B	
								34 12A	
XA140	TLD	C2	15A		KXBCMD	00	=		KXACMB4 BUSS
XA140	TLD	C2	16A		(30)	01		KXBIFO KXBCMOX	
								34 16A 36 17A	
XA142	DCF	C1	25B		KXBCMDX	00	=		MBCMBB BUSSS
XA142	DCF	C1	29A		(46)	01		KXB0EA	
								52 29A	
XA142	DCF	C2	26B		KXBCMOX	00	=		
XA142	DCF	C2	27B		(47)	01		KXGN1A	
								49 27B	
XA140	TLD	C3	16B		KXBEND	00	=		KXAENB4 BUSS
XA140	TLD	C3	14B		(33)	01		KXBIFO KXBENOX	
								29 14B 31 15B	
XA142	DCF	C3	30B		KXBENDX	00	=		MBENBB BUSS
XA142	DCF	C3	29A		(55)	01		KXB0EA	
								52 29A	
XA142	DCF	C4	29B		KXBENOX	00	=		
XA142	DCF	C4	28B		(56)	01		KXGN1A	
								51 28B	
XA138	TQ2	A2	02B		KXBIEA	00	=		
XA138	TQ2	A2	04A		(01)	01		KXBSLOX KXXDRA	
								04 04A 05 03B	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	KXBIE0
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU			FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	37

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA139	TQ2	A4	07	B	KXBIE0	00	=		PORT B DATA RECEIVE ENABLE
XA139	TQ2	A4	05	B	(15)	01		KXBIEA SPIO201 11 05B 13 06B	
XA139	TQ2	B1	12	A	KXBIF0	00	=		
XA139	TQ2	B1	13	A	(22)	01		KXBIEA SPIO201 24 13A 26 14A	
XA142	DCF	C5	31	B	KXBINDX	00	=		MBINBB BUSS
XA142	DCF	C5	29	A	(60)	01		KXBOEA 52 29A	
XA142	DCF	C6	31	A	KXBINOX	00	=		
XA142	DCF	C6	30	A	(57)	01		KXDBIO 54 30A	
XA140	TLD	C1	18	A	KXBPCD	00	=		KXAPCB4 BUSS
XA140	TLD	C1	19	A	(38)	01		KXBIF0 KXBPCOX 40 19A 42 20A	
XA142	DCF	C7	25	A	KXBPCDX	00	=		MBOPBB BUSS
XA142	DCF	C7	29	A	(43)	01		KXBOEA 52 29A	
XA142	DCF	C8	26	A	KXBPCOX	00	=		
XA142	DCF	C8	28	A	(48)	01		KXDSBPR 50 28A	
XA137	TD4	E2	30	B	KXBRQA	00	=		
XA137	TD4	E2	29	B	(57)	01		KXBSLOX KXINHR DEVINH KXXROQ 55 29B 60 28A 62 29A 64 30A	
XA127	TQ2	E2	28	A	KXBRQ0	00	=		PORT B REQUEST
XA127	TQ2	E2	29	A	(60)	01		KXBRQA SPIO161 62 29A 64 30A	
XA132	TT3	B2	09	B	KXBRSA	00	=		PORT B IOU RESET
XA132	TT3	B2	09	A	(19)	01		KXBCMOX KXBENOX KXBSLOX 14 09A 17 08B 18 10A	
XA140	TLD	C4	19	B	KXBR4D1	00	=		PORT B REQUEST
XA140	TLD	C4	17	B	(39)	01		KXBRQ0 SPIO201 35 17B 37 18B	
XA138	TQ2	B2	09	A	KXBSLA	00	=		PORT B SELECT
XA138	TQ2	B2	10	A	(14)	01		KXBSLOX SPIO181 18 10A 20 11A	

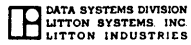3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC.
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT. T39CIFC6

REV. E
DATE 09-03-82

INDEX KXBSLB
PAGE 38

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR		COMMENT
					KXBSLB	00	=			
XA142	DCF	D3	37B		( )	01		KXBSLDX 78 37B		
XA344	DCF	D3	37B		( )	02	+	MXBSLDX 78 37B		
XA142	DCF	D3	37B		KXBSLDX	00	=		KXBSLB BUSS	
XA142	DCF	D3	36A		(78)	01		SPI0211 72 36A		
XA142	DCF	D4	36B		KXBSLOX	00	=			
XA142	DCF	D4	35B		(75)	01		SPI0041 73 35B		
					KXBSTB	00	=			
XA143	DCF	D3	37B		( )	01		KXBSTDX4 78 37B		
XA345	DCF	D3	37B		( )	02	+	MXBSTDX4 78 37B		
XA143	DCF	D3	37B		KXBSTDX4	00	=		KXBSTB BUSS	
XA143	DCF	D3	36A		(78)	01		KXGN1A 72 36A		
XA143	DCF	D4	36B		KXBSTOX	00	=			
XA143	DCF	D4	35B		(75)	01		KXBSLOX 73 35B		
XA140	TLD	A1	05A		KXB0CD	00	=		KXA0CB4 BUSS	
XA140	TLD	A1	06A		(06)	01		KXB1E0 KXB0COX 08 06A 10 07A		
XA142	DCF	A1	02B		KXB0CDX	00	=		MB00BB BUSS	
XA142	DCF	A1	05A		(07)	01		KXB0EA 06 05A		
XA142	DCF	A2	03B		KXB0COX	00	=			
XA142	DCF	A2	04B		(09)	01		KM031B 11 04B		
XA137	TD4	A2	04B		KXB0EA	00	=		PORT B DATA SEND ENABLE	
XA137	TD4	A2	02B		(09)	01		KXBSLOX KXINHR DEVINH KXXCS0 01 02B 04 04A 05 03B 07 03A		
XA140	TLD	A2	02B		KXB1CD	00	=		KXA1CB4 BUSS	
XA140	TLD	A2	04A		(01)	01		KXB1E0 KXB1COX 04 04A 05 03B		

3-2880-1

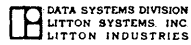| DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU	LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E INDEX KXB1CDX DATE 09-03-82 PAGE 39

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA142	DCF	A3	07	B	KXB1CDX	00	=		MB01BB BUSS
XA142	DCF	A3	05	A	(17)	01		KX80EA 06 05A	
XA142	DCF	A4	06	B	KXB1COX	00	=		
XA142	DCF	A4	05	B	(15)	01		KM032B 13 05B	
XA140	TLD	A3	04	B	KXB2CD	00	=		KXA2CB4 BUSS
XA140	TLD	A3	02	A	(09)	01		KXB1EO KXB2COX 03 02A 07 03A	
XA142	DCF	A5	08	B	KXB2CDX	00	=		MB02BB BUSS
XA142	DCF	A5	05	A	(14)	01		KX80EA 06 05A	
XA142	DCF	A6	07	A	KXB2COX	00	=		
XA142	DCF	A6	06	A	(10)	01		KM033B 08 06A	
XA140	TLD	A4	07	B	KXB3CD	00	=		KXA3CB4 BUSS
XA140	TLD	A4	05	B	(15)	01		KXB1EO KXB3COX 11 05B 13 06B	
XA142	DCF	A7	02	A	KXB3CDX	00	=		MB03BB BUSS
XA142	DCF	A7	05	A	(01)	01		KX80EA 06 05A	
XA142	DCF	A8	03	A	KXB3COX	00	=		
XA142	DCF	A8	04	A	(03)	01		KM034B 04 04A	
XA140	TLD	B1	12	A	KXB4CD	00	=		KXA4CB4 BUSS
XA140	TLD	B1	13	A	(22)	01		KXB1EO KXB4COX 24 13A 26 14A	
XA142	DCF	B1	10	B	KXB4CDX	00	=		MB04BB BUSS
XA142	DCF	B1	13	A	(27)	01		KX80EA 36 13A	
XA142	DCF	B2	11	B	KXB4COX	00	=		
XA142	DCF	B2	12	B	(29)	01		KM471B 31 12B	
XA140	TLD	B2	09	A	KXB5CD	00	=		KXA5CB4 BUSS
XA140	TLD	B2	10	A	(14)	01		KXB1EO KXB5COX 18 10A 20 11A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. C
DATE 09-03-82
INDEX KXB5CDX
PAGE 40

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA142	DCF	B3	15B		KXB5CDX	00	=	MB05BB BUSS	
XA142	DCF	B3	13A		(37)	01		KXB0EA 36 13A	
XA142	DCF	B4	14B		KXB5COX	00	=		
XA142	DCF	B4	13B		(35)	01		KM472B 33 13B	
XA140	TLD	B3	10B		KXB6CD	00	=	KXA6CB4 BUSS	
XA140	TLD	B3	08B		(21)	01		KXB1E0 KXB6COX 17 08B 19 09B	
XA142	DCF	B5	16A		KXB6CDX	00	=	MB06BB BUSS	
XA142	DCF	B5	13A		(41)	01		KXB0EA 36 13A	
XA142	DCF	B6	15A		KXB6COX	00	=		
XA142	DCF	B6	14A		(40)	01		KM473B 38 14A	
XA140	TLD	B4	13B		KXB7CD	00	=	KXA7CB4 BUSS	
XA140	TLD	B4	11B		(27)	01		KXB1E0 KXB7COX 23 11B 25 12B	
XA142	DCF	B7	10A		KXB7CDX	00	=	MB07BB BUSS	
XA142	DCF	B7	13A		(23)	01		KXB0EA 36 13A	
XA142	DCF	B8	11A		KXB7COX	00	=		
XA142	DCF	B8	12A		(30)	01		KM474B 34 12A	
XA137	TD4	F1	37B		KXCA0A	00	=	SET COMMAND ADDRESS F/F	
XA137	TD4	F1	37B		(76)	01		KMRICB KXRCMS KXX050 KXROPA 75 37B 77 38B 78 38A 79 39B	
XA131	TS8	A1	05B		KXCA1A	00	=	DEV COMND BYTE 1 COMMON TERMS	
XA131	TS8	A1	02B		(11)	01		KXCMAS KXXB10 KXXAOP KXXA1Q KMRPCB KMROCB KXR1CR KXR2CR 01 02B 04 04A 05 03B 06 05A 07 03A 08 06A 10 07A 13 06B	
XA135	TQ2	B4	13B		KXCA10	00	=		
XA135	TQ2	B4	11B		(27)	01		KXCA1A SPI0181 23 11B 25 12B	
XA137	TD4	B1	11B		KXCMAR	00	=		
XA137	TD4	B1	12A		(23)	01		KXCMAS KXX04A KXXB2A KXRSOB 22 12A 24 13A 25 12B 26 14A	
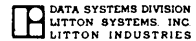
3-2880-1

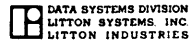| DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU	LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX KXCMAS PAGE 41

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA135	TQ2	B1	12	A	KXCMAS	00	=		COMMAND ADDRESS FF
XA135	TQ2	B1	13	A	(22)	01		KXCMAR KXCAOA 24 13A 26 14A	
XA127	TQ2	A2	02	B	KXCP00	00	=		KXCP1B BUSS
XA127	TQ2	A2	04	A	(01)	01		KXCP1A SPI0151 04 04A 05 03B	
XA135	TQ2	E4	33	B	KXCP1A	00	=		PHASE 1 OF 2 PHASECLOCK
XA135	TQ2	E4	31	B	(63)	01		KX1MAP KX1MBQ 59 31B 61 32B	
					KXCP1B	00	=		
XA127	TQ2	A3	04	B	( )	01		KXCP10 KXCP20 KXCP00 09 04B 15 07B 01 02B	CLOCK PHASE 1 BUS
XA127	TQ2	A3	04	B	KXCP10	00	=		KXCP1B BUSS
XA127	TQ2	A3	02	A	(09)	01		KXCP1A SPI0151 03 02A 07 03A	
XA127	TQ2	A4	07	B	KXCP20	00	=		KXCP1B BUSS
XA127	TQ2	A4	05	B	(15)	01		KXCP1A SPI0151 11 05B 13 06B	
XA127	TQ2	B2	09	A	KXCP3A	00	=		PHASE 3 OF 2 PHASECLOCK
XA127	TQ2	B2	10	A	(14)	01		KX1MAQ KX1MBP 18 10A 20 11A	
					KXCP3B	00	=		
XA126	TQ2	A2	02	B	( )	01		KXCP30 KXCP40 KXCP50 01 02B 09 04B 15 07B	
XA126	TQ2	A2	02	B	KXCP30	00	=		KXCP3B BUSS
XA126	TQ2	A2	04	A	(01)	01		KXCP3A SPI0151 04 04A 05 03B	
XA126	TQ2	A3	04	B	KXCP40	00	=		KXCP3B BUSS
XA126	TQ2	A3	02	A	(09)	01		KXCP3A SPI0151 03 02A 07 03A	
XA126	TQ2	A4	07	B	KXCP50	00	=		KXCP3B BUSS
XA126	TQ2	A4	05	B	(15)	01		KXCP3A SPI0151 11 05B 13 06B	
XA132	TT3	E3	33	B	KXDBIO	00	=		INPUT INDICATOR CONTROL
XA132	TT3	E3	30	B	(63)	01		KXXCIP KXXDIP KXXDSP 57 30B 59 31B 61 32B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO.	149016		REV. E	INDEX KXDBSO
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT	T39CIFC6		DATE 09-03-82	PAGE 42

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA119	TQ2	F1	37B		KXDBSO	00	=		INPUT MUX STATUS SELECT
XA119	TQ2	F1	38B		(75)	01		KXXDIP KXXDSP 77 38B 79 39B	
XA116	MUX	D1	27B		KXDB0TA	00	=		INPUT DATA MUX BITS 0-1-2-3
XA116	MUX	D1	25B		(55)	01		KD00BQ KA0ENS KMXCIB KXDBSO 51 25B 53 26B 52 25A 49 24B	
XA116	MUX	D2	31B		KXDB0TB	00	=		
XA116	MUX	D2	29B		(61)	01		KD01BQ KAIENS 57 29B 59 30B	
XA116	MUX	D3	28A		KXDB0TC	00	=		
XA116	MUX	D3	26A		(60)	01		KD02BQ KPE0BQ 54 26A 56 28B	
XA116	MUX	D4	31A		KXDB0TD	00	=		
XA116	MUX	D4	29A		(63)	01		KD03BQ KPETXQ 62 29A 64 30A	
XA116	MUX	E1	34B		KXDB4TA	00	=		INPUT DATA MUX BITS 4-5-6-7
XA116	MUX	E1	32A		(73)	01		KD04BQ KPRQPO KMXCIB KXDBSO 69 32A 71 33B 68 33A 66 32B	
XA116	MUX	E2	37B		KXDB4TB	00	=		
XA116	MUX	E2	35B		(79)	01		KD05BQ KPBZYO 75 35B 77 36B	
XA116	MUX	E3	36A		KXDB4TC	00	=		
XA116	MUX	E3	34A		(74)	01		KD06BQ KK009A1 70 34A 72 35A	
XA116	MUX	E4	38B		KXDB4TD	00	=		
XA116	MUX	E4	37A		(80)	01		KD07BQ KCDERQ 76 37A 78 38A	
XA127	TQ2	C1	18A		KXDEVA	00	=		
XA127	TQ2	C1	19A		(38)	01		KMR3CB SPI0161 40 19A 42 20A	
XA137	TD4	C2	16B		KXDEVR	00	=		
XA137	TD4	C2	15A		(33)	01		KXDEVS KXXB0A KXXB3A KXRSOB 30 15A 31 15B 34 16A 36 17A	
XA135	TQ2	C2	15A		KXDEVS	00	=		DEVICE COMMAND F/FMAYBE BSY
XA135	TQ2	C2	16A		(30)	01		KXDEVR KXDVOA 34 16A 36 17A	

3-2880-1

		DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860	UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU		LOGIC		UNIT ASSEMBLY NO. 149016	REV. E	INDEX KXDEVO
								FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 43

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	Σ-TERM	DESIG-NATOR	FACTOR	COMMENT
XA126	TQ2	B1	12	A	KXDEVO	00	=		
XA126	TQ2	B1	13	A	(22)	01		KXDEVA SPI0151	
								24 13A 26 14A	
XA125	TD4	A2	04	B	KXDPEA	00	=		AUTO OUTPUT COMND PARITY ER
XA125	TD4	A2	02	B	(09)	01		KDOUTQ KXENAS KXROPPR KXXA50	
								01 02B 04 04A 05 03B 07 03A	
XA237	PAR	C1	20	A	KXDSBPR	00	=		MXDSBPR FOR LP3
XA237	PAR	C1	15	B	(42)	01		KM031B KM032B KM033B KM034B KM471B KM472B KM473B KM474B	
								31 15B 33 16B 35 17B 37 18B 38 18A 36 17A 34 16A 30 15A	
XA237	PAR	C1	19	B	( )	02	+	KMXCIB	
								39 19B	
XA127	TQ2	C2	15	A	KXDVCO	00	=		
XA127	TQ2	C2	16	A	(30)	01		KXR090T SPI0161	
								34 16A 36 17A	
XA137	TD4	C1	17	B	KXDVSR	00	=		
XA137	TD4	C1	18	B	(35)	01		KXDVSS KXX80A KXXB3A KXRSOB	
								37 18B 38 18A 40 19A 42 20A	
XA135	TQ2	C1	18	A	KXDVSS	00	=		DEVICE COMMAND F/ENO BUSY
XA135	TQ2	C1	19	A	(38)	01		KXDVSR KXDV5A	
								40 19A 42 20A	
XA125	TD4	C1	17	B	KXDVOA	00	=		SET DEVICE COMMANDF/F
XA125	TD4	C1	18	B	(35)	01		KXCA10 KXDEVO KXDVCO KBUSYA	
								37 18B 38 18A 40 19A 42 20A	
XA131	TS8	C1	17	B	KXDV1A	00	=		
XA131	TS8	C1	15	A	(35)	01		KXDEVS KXXB20 KXXAOP KXXA1Q KXROPA SPI0141 SPI0161 SPI0031	
								30 15A 31 15B 34 16A 36 17A 37 18B 38 18A 40 19A 42 20A	
XA123	TQ2	F2	34	A	KXDV10	00	=		DEV COMMAND DATA BYTE STROBE
XA123	TQ2	F2	36	A	(72)	01		KXDV1A SPI0151	
								71 36A 73 36B	
XA119	TQ2	E4	33	B	KXDV2A	00	=		
XA119	TQ2	E4	31	B	(63)	01		KDOUTQ KXDV20	
								59 31B 61 32B	
XA121	TQ2	E3	30	B	KXDV20	00	=		
XA121	TQ2	E3	28	B	(57)	01		KAOENR KXXDIR	
								53 28B 55 29B	
XA113	TS8	D1	25	B	KXDV3A	00	=		START END INPUT COMMAND
XA113	TS8	D1	23	B	(47)	01		KXDVSS KXXB20 KXXAOP KXXA1Q KENINO KXROPA KXDV2A SPI0011	
								43 23B 46 21A 48 22A 49 26B 50 23A 52 24A 54 25A 56 26A	

3-2880-1

DATA SYSTEMS DIVISION
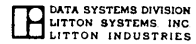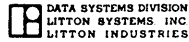LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER **149016-860**
UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**

LOGIC

UNIT ASSEMBLY NO. **149016**
FILE IDENT **T39CIFC6**
REV. **E**
DATE **09-03-82**
INDEX **KXDV5A**
PAGE **44**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA132	TT3	A3		07B	KXDV5A	00	=		SET DEV COMND F/F NO BUSY
XA132	TT3	A3		04B	(15)	01		KXCA10 KXDEVO KXDVCO 09 04B 11 05B 13 06B	
XA125	TD4	A1		05B	KXEA0A	00	=		SET ENABLE ADDRESS F/F
XA125	TD4	A1		05A	(11)	01		KMRICB KXRENS KXX050 KXROPA 06 05A 08 06A 10 07A 13 06B	
XA123	TQ2	F4		39A	KXEA00	00	=		
XA123	TQ2	F4		37A	(80)	01		KXEA0A SPI0151 76 37A 78 38A	
XA132	TT3	C1		17A	KXEB0A	00	=		COMMAND IS EOB
XA132	TT3	C1		18A	(36)	01		KXCA10 KXEOB0 KXDEVA 38 18A 40 19A 42 20A	
					KXEB0I	00	=		
XA128	TDD	DI		10A	( )	01		KXGN2A 18 10A	
					KXEB0N	00	=		
XA128	TDD	DN		09A	( )	01		KXEB1A 14 09A	
XA128	TDD	DP		10B	KXEB0P	00	=		
XA128	TDD	DP		11A	(21)	01		KXRS0B 20 11A	
XA128	TDD	DQ		09B	KXEB0Q	00	=		EOB COUNTER BIT 0
XA128	TDD	DQ		08B	(19)	01		KXEB0A 17 08B	
XA127	TQ2	D3		24B	KXEB1A	00	=		
XA127	TQ2	D3		22B	(45)	01		KXEB1Q KXCP3B 41 22B 43 23B	
					KXEB1I	00	=		
XA130	TDD	DI		10A	( )	01		KXEB0Q 18 10A	
					KXEB1N	00	=		
XA130	TDD	DN		09A	( )	01		KXCP1B 14 09A	
XA130	TDD	DP		10B	KXEB1P	00	=		
XA130	TDD	DP		11A	(21)	01		KXRS0B 20 11A	
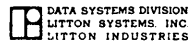
3-2880-1

| DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY, A, IFCU | | LOGIC | | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX KXEB1Q PAGE 45 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA130	TDD	DQ	09B		KXEB1Q	00	=		EOB SYNC COUNTER BIT 1
XA130	TDD	DQ	08B		(19)	01		SPIO141 17 08B	
XA125	TD4	B1	11B		KXEDOA	00	=		AUTO OUTPUT DATA STROBE
XA125	TD4	B1	12A		(23)	01		KDOUTQ KXENAS KXXB1O KXXA50 22 12A 24 13A 25 12B 26 14A	
XA137	TD4	B2	10B		KXENAR	00	=		
XA137	TD4	B2	09A		(21)	01		KXENAS KXX04A KXXB2A KXRSOB 14 09A 18 10A 19 09B 20 11A	
XA135	TQ2	B3	10B		KXENAS	00	=		ENABLE ADDRESS F/F
XA135	TQ2	B3	08B		(21)	01		KXENAR KXEAOA 17 08B 19 09B	
XA127	TQ2	D1	24A		KXEOBO	00	=		
XA127	TQ2	D1	25A		(52)	01		KXR092T SPIO161 54 25A 56 26A	
XA138	TQ2	A3	04B		KXGN1A	00	=		SOFT GROUND
XA138	TQ2	A3	02A		(09)	01		SPIO181 SPIO141 03 02A 07 03A	
XA135	TQ2	C4	19B		KXGN2A	00	=		
XA135	TQ2	C4	17B		(39)	01		SPIO141 SPIO181 35 17B 37 18B	
XA126	TQ2	D4	27B		KXGN3A	00	=		
XA126	TQ2	D4	25B		(51)	01		SPIO141 SPIO151 47 25B 49 26B	
XA139	TQ2	B3	10B		KXGN4A	00	=		
XA139	TQ2	B3	08B		(21)	01		SPIO201 SPIO191 17 08B 19 09B	
XA126	TQ2	D1	24A		KXHSTO	00	=		
XA126	TQ2	D1	25A		(52)	01		KXR091T SPIO151 54 25A 56 26A	
XA132	TT3	C2	15B		KXHSOA	00	=		COMMAND IS STOP
XA132	TT3	C2	14B		(31)	01		KXCA1O KXHSTO KXDEVA 29 14B 30 15A 34 16A	
XA135	TQ2	A4	07B		KXINHR	00	=		
XA135	TQ2	A4	05B		(15)	01		KXINHS KXINOA 11 05B 13 06B	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS. INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU	LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX KXINHS PAGE 46

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA132	TT3	A2	03A		KXINHS	00	=		DATA SEND INHIBIT F/F
XA132	TT3	A2		02B	(07)	01		KXINHR KXRSOB KXONLO 01 02B 03 02A 05 03B	
XA132	TT3	D2	23B		KXINOA	00	=		
XA132	TT3	D2		22B	(43)	01		KXRSOB KXRCMS KXONLO 41 22B 46 21A 48 22A	
XA126	TQ2	C4	19B		KXIRCO	00	=		
XA126	TQ2	C4		17B	(39)	01		KXR094T SPI0151 35 17B 37 18B	
XA132	TT3	B3	13B		KXIROA	00	=		COMMAND IS ITR
XA132	TT3	B3		10B	(27)	01		KXCA10 KXIRCO KXDEVA 21 10B 23 11B 25 12B	
					KXIROI	00	=		
XA128	TDD	CI	13A		( )	01		KXGN2A 24 13A	
					KXIRON	00	=		
XA128	TDD	CN	14A		( )	01		KXIR1A 26 14A	
XA128	TDD	CP	11B		KXIROP	00	=		
XA128	TDD	CP		12A	(23)	01		KXRSOB 22 12A	
XA128	TDD	CQ	12B		KXIROQ	00	=		ITR SYNC COUNTER BIT 0
XA128	TDD	CQ		13B	(25)	01		KXIROA 27 13B	
XA127	TQ2	B4	13B		KXIR1A	00	=		
XA127	TQ2	B4		11B	(27)	01		KXIR1Q KXCP3B 23 11B 25 12B	
					KXIR1I	00	=		
XA129	TDD	DI	10A		( )	01		KXIROQ 18 10A	
					KXIR1N	00	=		
XA129	TDD	DN	09A		( )	01		KXCP1B 14 09A	
XA129	TDD	DP	10B		KXIR1P	00	=		
XA129	TDD	DP		11A	(21)	01		KXRSOB 20 11A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX KXIR10
PAGE 47

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA129	TDD	DQ	09	B	KXIR1Q	00	=		ITR SYNC COUNTER BIT 1
XA129	TDD	DQ	08	B	(19)	01		SPI0141 17 08B	
XA138	TQ2	A4	07	B	KXPRSA	00	=		CAP PANEL RESET
XA138	TQ2	A4	05	B	(15)	01		KXPRSOX SPI0181 11 05B 13 06B	
					KXPRSB	00	=		
XA142	DCF	D5	38	B	( )	01		KXPRSDX 80 38B	
XA344	DCF	D5	38	B	( )	02	+	MXPRSDX 80 38B	
XA142	DCF	D5	38	B	KXPRSDX	00	=		KXPRSB BUSS
XA142	DCF	D5	36	A	(80)	01		SPI0211 72 36A	
XA142	DCF	D6	38	A	KXPRSOX	00	=		
XA142	DCF	D6	37	A	(76)	01		SPI0061 74 37A	
XA134	DBC	A1	04	A	KXRAFOT	00	=		DATA BYTE DECODER A TO F
XA134	DBC	A1	02	A	(08)	01		KMR7CB 04 02A	
XA134	DBC	A2	05	A	KXRAF1T	00	=		
XA134	DBC	A2	03	A	(10)	01		KMR6CB 06 03A	
XA134	DBC	A3	06	A	KXRAF2T	00	=		
XA134	DBC	A3	02	B	(14)	01		KMR5CB 03 02B	
XA134	DBC	A4	07	A	KXRAF3T	00	=		
XA134	DBC	A4	03	B	(13)	01		KXR4CR 05 03B	
XA134	DBC	A5	08	B	KXRAF4T	00	=		
XA134	DBC	A5			(17)	01		SPA 4T	
XA134	DBC	A6	04	B	KXRAF5T	00	=		
XA134	DBC	A6			(07)	01		SPA 5T	
XA134	DBC	A7	05	B	KXRAF6T	00	=		
XA134	DBC	A7			(09)	01		SPA 6T	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	DRAWING NUMBER UNIT ASSEMBLY NAME	149016-860 CARD CAGE ASSY,A,IFCU		LOGIC		UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX KXRAF7T PAGE 48

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA134	DBC	A8	06	B	KXRAF7T	00	=		
XA134	DBC	A8			(11)	01		SPA	
								7T	
XA134	DBC	A9	07	B	KXRAF8T	00	=		
XA134	DBC	A9			(15)	01		SPA	
								8T	
XA134	DBC	A0	09	A	KXRAF9T	00	=		
XA134	DBC	A0			(18)	01		SPA	
								9T	
XA138	TQ2	C1	18	A	KXRCMR	00	=		
XA138	TQ2	C1	19	A	(38)	01		KXRCMS KXRRSA	
								40 19A 42 20A	
XA139	TQ2	C1	18	A	KXRCMS	00	=		I/O INPUT REG COMMAND BIT
XA139	TQ2	C1	19	A	(38)	01		KXRCMR KXACMB4	
								40 19A 42 20A	
XA138	TQ2	C2	15	A	KXRENR	00	=		
XA138	TQ2	C2	16	A	(30)	01		KXRENS KXRRSA	
								34 16A 36 17A	
XA139	TQ2	C2	15	A	KXRENS	00	=		I/O INPUT REG ENABLE BIT
XA139	TQ2	C2	16	A	(30)	01		KXRENR KXAENB4	
								34 16A 36 17A	
XA138	TQ2	C3	16	B	KXRPCR	00	=		
XA138	TQ2	C3	14	B	(33)	01		KMRPCB KXRRSA	
								29 14B 31 15B	
XA139	TQ2	C3			KXRPCS	00	=		KMRPCB BUSS
XA139	TQ2	C3	14	B	(33)	01		KXRPCR KXAPCB4	
								29 14B 31 15B	
XA126	TQ2	A1	05	A	KXRRSA	00	=		RESET I/O INPUT REGISTER
XA126	TQ2	A1	06	A	(06)	01		KXRRS0 SPI0151	
								08 06A 10 07A	
XA127	TQ2	A1	05	A	KXRRS0	00	=		
XA127	TQ2	A1	06	A	(06)	01		KXXA6A KXRS0B	
								08 06A 10 07A	
XA135	TQ2	A1	05	A	KXRS0A	00	=		KXRS0B BUSS
XA135	TQ2	A1	06	A	(06)	01		KXRS00 SPI0181	
								08 06A 10 07A	

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC / LITTON INDUSTRIES
DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU
LOGIC
UNIT ASSEMBLY NO. 149016 REV. E INDEX KXRS0B
FILE IDENT T39CIFC6 DATE 09-03-82 PAGE 49

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					KXRS0B	00	=		
XA135	TQ2	A1	05	A	( )	01		KXRS0A KXRS1A KXRS2A / 06 05A 01 02B 09 04B	MASTER RESET BUS 0
XA138	TQ2	B4	13	B	KXRS00	00	=		
XA138	TQ2	B4	11	B	(27)	01		KXST1A SPI0181 / 23 11B 25 12B	
XA135	TQ2	A2	02	B	KXRS1A	00	=	KXRS0B BUSS	
XA135	TQ2	A2	04	A	(01)	01		KXRS00 SPI0181 / 04 04A 05 03B	
					KXRS1B	00	=		
XA126	TQ2	C1	18	A	( )	01		KXRS3A KXRS4A KXRS5A / 3B 18A 30 15A 33 16B	MASTER RESET BUS 1
XA135	TQ2	A3	04	B	KXRS2A	00	=	KXRS0B BUSS	
XA135	TQ2	A3	02	A	(09)	01		KXRS00 SPI0181 / 03 02A 07 03A	
XA126	TQ2	C1	18	A	KXRS3A	00	=	KXRS1B BUSS	
XA126	TQ2	C1	19	A	(38)	01		KXRS00 SPI0151 / 40 19A 42 20A	
XA126	TQ2	C2	15	A	KXRS4A	00	=	KXRS1B BUSS	
XA126	TQ2	C2	16	A	(30)	01		KXRS00 SPI0151 / 34 16A 36 17A	
XA126	TQ2	C3	16	B	KXRS5A	00	=	KXRS1B BUSS	
XA126	TQ2	C3	14	B	(33)	01		KXRS00 SPI0151 / 29 14B 31 15B	
XA138	TQ2	D1	24	A	KXR0CR	00	=		
XA138	TQ2	D1	25	A	(52)	01		KMR0CB KXRRSA / 54 25A 56 26A	
XA139	TQ2	D1			KXR0CS	00	=	KMR0CB BUSS	
XA139	TQ2	D1	25	A	(52)	01		KXR0CR KXA0CB4 / 54 25A 56 26A	
XA135	TQ2	F1	37	B	KXR0PA	00	=	I/O INPUT REG PARITY ERROR	
XA135	TQ2	F1	38	B	(75)	01		KXRGPPR SPI0181 / 77 38B 79 39B	
XA237	PAR	D1	26	A	KXR0PPR	00	=	MXR0PPR FOR LP3	
XA237	PAR	D1	23	B	(56)	01		KMR0CB KMR1CB KMR2CB KMR3CB KMR4CB KMR5CB KMR6CB KMR7CB / 43 23B 45 24B 47 25B 49 26B 52 24A 50 23A 48 22A 46 21A	
XA237	PAR	D1	27	B	( )	02	+	KMRPCB / 51 27B	

3-2880-1

| | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES | DRAWING NUMBER UNIT ASSEMBLY NAME | 149016-860 CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX KXR090T PAGE 50 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA133	DBC	B1	12A		KXR090T	00	=		DATA BYTE DECODER 0 TO 9
XA133	DBC	B1	10A		(24)	01		KMR7CB 20 10A	
XA133	DBC	B2	13A		KXR091T	00	=		
XA133	DBC	B2	11A		(26)	01		KMR6CB 22 11A	
XA133	DBC	B3	14A		KXR092T	00	=		
XA133	DBC	B3	09B		(27)	01		KMR5CB 19 09B	
XA133	DBC	B4	15A		KXR093T	00	=		
XA133	DBC	B4	10B		(30)	01		KMR4CB 21 10B	
XA133	DBC	B5	16A		KXR094T	00	=		
XA133	DBC	B5			(33)	01		SPA 4T	
XA133	DBC	B6	11B		KXR095T	00	=		
XA133	DBC	B6			(23)	01		SPA 5T	
XA133	DBC	B7	12B		KXR096T	00	=		
XA133	DBC	B7			(25)	01		SPA 6T	
XA133	DBC	B8	13B		KXR097T	00	=		
XA133	DBC	B8			(29)	01		SPA 7T	
XA133	DBC	B9	14B		KXR098T	00	=		
XA133	DBC	B9			(31)	01		SPA 8T	
XA133	DBC	B0	15B		KXR099T	00	=		
XA133	DBC	B0			(34)	01		SPA 9T	
XA138	TQ2	D2	21A		KXR1CR	00	=		
XA138	TQ2	D2	22A		(46)	01		KMR1CB KXRRSA 48 22A 50 23A	
XA139	TQ2	D2			KXR1CS	00	=		KMR1CB BUSS
XA139	TQ2	D2	22A		(46)	01		KXR1CR KXA1CB4 48 22A 50 23A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016   REV. E   INDEX KXR2CR
FILE IDENT T39CIFC6   DATE 09-03-82   PAGE 51

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA138	TQ2	D3	24	B	KXR2CR	00	=		
XA138	TQ2	D3	22	B	(45)	01		KMR2CB KXRRSA 41 22B 43 23B	
XA139	TQ2	D3			KXR2CS	00	=		KMR2CB BUSS
XA139	TQ2	D3	22	B	(45)	01		KXR2CR KXA2CB4 41 22B 43 23B	
XA138	TQ2	D4	27	B	KXR3CR	00	=		
XA138	TQ2	D4	25	B	(51)	01		KMR3CB KXRRSA 47 25B 49 26B	
XA139	TQ2	D4			KXR3CS	00	=		KMR3CB BUSS
XA139	TQ2	D4	25	B	(51)	01		KXR3CR KXA3CB4 47 25B 49 26B	
XA138	TQ2	E1	31	A	KXR4CR	00	=		
XA138	TQ2	E1	32	A	(66)	01		KMR4CB KXRRSA 68 32A 70 33A	
XA139	TQ2	E1			KXR4CS	00	=		KMR4CB BUSS
XA139	TQ2	E1	32	A	(66)	01		KXR4CR KXA4CB4 68 32A 70 33A	
XA138	TQ2	E2	28	A	KXR5CR	00	=		
XA138	TQ2	E2	29	A	(60)	01		KMR5CB KXRRSA 62 29A 64 30A	
XA139	TQ2	E2			KXR5CS	00	=		KMR5CB BUSS
XA139	TQ2	E2	29	A	(60)	01		KXR5CR KXA5CB4 62 29A 64 30A	
XA138	TQ2	E3	30	B	KXR6CR	00	≠		
XA138	TQ2	E3	28	B	(57)	01		KMR6CB KXRRSA 53 28B 55 29B	
XA139	TQ2	E3			KXR6CS	00	=		KMR6CB BUSS
XA139	TQ2	E3	28	B	(57)	01		KXR6CR KXA6CB4 53 28B 55 29B	
XA138	TQ2	E4	33	B	KXR7CR	00	=		
XA138	TQ2	E4	31	B	(63)	01		KMR7CB KXRRSA 59 31B 61 32B	
XA139	TQ2	E4			KXR7CS	00	=		KMR7CB BUSS
XA139	TQ2	E4	31	B	(63)	01		KXR7CR KXA7CB4 59 31B 61 32B	

3-2880-1

51

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER UNIT ASSEMBLY NAME	149016-860 CARD CAGE ASSY,A,IFCU		LOGIC		UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX KXSKOA PAGE 52	

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA122	TQ2	F3	35A		KXSKOA	00	=		
XA122	TQ2	F3	34B		(69)	01		KXXC2Q KXXC3P 65 34B 74 35B	
XA127	TQ2	C4	19B		KXSK00	00	=		
XA127	TQ2	C4	17B		(39)	01		KXSKOA SPI0161 35 17B 37 18B	
XA127	TQ2	D2	21A		KXSSTO	00	=		I/O BUFFER REGISTRCLOCK
XA127	TQ2	D2	22A		(46)	01		KXRO97T SPI0161 48 22A 50 23A	
XA114	TS8	A1	05B		KXSSOA	00	=		SOFWARE STOP COMMAND DECODE
XA114	TS8	A1	02B		(11)	01		KXDVSS KXXB20 KXXAOP KXXA10 KXSSTO KXROPA SPI0021 SPI0011 01 02B 04 04A 05 03B 06 05A 07 03A 08 06A 10 07A 13 06B	
					KXSTOI	00	=		
XA128	TDD	EI	19A		( )	01		KXGN1A 40 19A	
					KXSTON	00	=		
XA128	TDD	EN	20A		( )	01		KXST1A 42 20A	
XA128	TDD	EP	17B		KXSTOP	00	=		
XA128	TDD	EP	18A		(35)	01		SPI0161 38 18A	
XA128	TDD	EQ	18B		KXSTOQ	00	=		STOP SYNC COUNTER BIT 0
XA128	TDD	EQ	19B		(37)	01		KXST2A 39 19B	
XA123	TQ2	D3	24B		KXST1A	00	=		
XA123	TQ2	D3	22B		(45)	01		KXST1Q KXCP3B 41 22B 43 23B	
					KXST1I	00	=		
XA129	TDD	EI	19A		( )	01		KXSTOQ 40 19A	
					KXST1N	00	=		
XA129	TDD	EN	20A		( )	01		KXCP1B 42 20A	
XA129	TDD	EP	17B		KXST1P	00	=		
XA129	TDD	EP	18A		(35)	01		SPI0161 38 18A	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO.	149016	REV. E	INDEX	KXST1Q
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	53

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA129	TDD	EQ		18B	KXST1Q	00	=		STOP SYNC COUNTER BIT 1
XA129	TDD	EQ		19B	(37)	01		SPIO141 39 19B	
XA126	TQ2	D3		24B	KXST2A	00	=		
XA126	TQ2	D3		22B	(45)	01		KXST2Q SPIO151 41 22B 43 23B	
XA131	TS8	B1		11B	KXST2Q	00	=		START MASTER RESETOR GATE
XA131	TS8	B1		09A	(23)	01		KXHSOA KXSSOA KXARSA KXBRSA KXPRSA KDEV1A DEVINH SPIO161 14 09A 18 10A 19 09B 20 11A 22 12A 24 13A 25 12B 26 14A	
XA134	DBC	E1			KXS031U	00	=		KM031B BUSS
XA134	DBC	E1		33B	(70)	01		KXDB0TA KXDB0TB KXDB0TC KXDB0TD KXGN1A 71 33B 73 34B 75 35B 77 36B 80 38B	
XA134	DBC	E2			KXS032U	00	=		KM032B BUSS
XA134	DBC	E2		32A	(72)	01		KXSK00 69 32A	
XA134	DBC	E3			KXS033U	00	=		KM033B BUSS
XA134	DBC	E3		37B	(74)	01		KXGN2A 79 37B	
XA134	DBC	E4			KXS034U	00	=		KM034B BUSS
XA134	DBC	E4		38A	(76)	01		KXGN3A 78 38A	
XA134	DBC	E5	33A		KXS035U	00	=		I/O BUFFER REG BITS 0-1-2-3
XA134	DBC	E5		32B	(68)	01		SPIO181 66 32B	
XA133	DBC	E1			KXS471U	00	=		KM471B BUSS
XA133	DBC	E1		33B	(70)	01		KXDB4TA KXDB4TB KXDB4TC KXDB4TD KXGN1A 71 33B 73 34B 75 35B 77 36B 80 38B	
XA133	DBC	E2			KXS472U	00	=		KM472B BUSS
XA133	DBC	E2		32A	(72)	01		KXSK00 69 32A	
XA133	DBC	E3			KXS473U	00	=		KM473B BUSS
XA133	DBC	E3		37B	(74)	01		KXGN2A 79 37B	
XA133	DBC	E4			KXS474U	00	=		KM474B BUSS
XA133	DBC	E4		38A	(76)	01		KXGN3A 78 38A	

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC. / LITTON INDUSTRIES

DRAWING NUMBER 149016-860
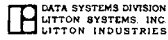
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016   REV. E   INDEX KXS475U

FILE IDENT T39CIFC6   DATE 09-03-82   PAGE 54

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA133	DBC	E5	33A		KXS475U	00	=		I/O BUFFER REG BITS 4-5-6-7
XA133	DBC	E5	32B		(68)	01		SPI0181 66 32B	
XA139	TQ2	C4	19B		KXXACA	00	=		
XA139	TQ2	C4	17B		(39)	01		KXXAC0 SPI0201 35 17B 37 18B	
					KXXACI	00	=		
XA128	TDD	AI	06A		( )	01		SPI0161 08 06A	
					KXXACN	00	=		
XA128	TDD	AN	07A		( )	01		KXXA3P 10 07A	
XA128	TDD	AP	05B		KXXACP	00	=		
XA128	TDD	AP	05A		(11)	01		KXXADA 06 05A	
XA128	TDD	AQ	06B		KXXACQ	00	=		I/O STATE COUNTER CONTROL F/F
XA128	TDD	AQ	07B		(13)	01		KXRS0B 15 07B	
XA131	TS8	D1	25B		KXXAC0	00	=		
XA131	TS8	D1	23B		(47)	01		KXR0CR KXR1CR KXR2CR KXR3CR KXR4CR KXR5CR KXR6CR KXR7CR 43 23B 46 21A 48 22A 49 26B 50 23A 52 24A 54 25A 56 26A	
XA135	TQ2	F3	35A		KXXADA	00	=		START I/O STATE COUNTER
XA135	TQ2	F3	34B		(69)	01		KXXAD0 SPI0181 65 34B 74 35B	
XA137	TD4	D1	25B		KXXAD0	00	=		
XA137	TD4	D1	26B		(47)	01		KXRCMR KXRENR KXRPCR KXXACA 49 26B 52 24A 54 25A 56 26A	
					KXXAOI	00	=		
XA129	TDD	AI	06A		( )	01		KXXA3P 08 06A	
					KXXAON	00	=		
XA129	TDD	AN	07A		( )	01		K16MH0 10 07A	
XA129	TDD	AP	05B		KXXAOP	00	=		
XA129	TDD	AP	05A		(11)	01		KXXACP 06 05A	

3-2880-1

| | DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES | DRAWING NUMBER 149016-860 | UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | | LOGIC | | UNIT ASSEMBLY NO. 149016 | REV. E | INDEX KXXA0Q |
| | | | | | | | FILE IDENT T39CIFC6 | DATE 09-03-82 | PAGE 55 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIGNATOR 02	FACTOR	COMMENT
XA129	TDD	AQ	06	B	KXXA0Q	00	=		I/O STATE COUNTER BIT 0
XA129	TDD	AQ	07	B	(13)	01		SPI0161	
								15 07B	
					KXXA1I	00	=		
XA130	TDD	AI	06	A	( )	01		KXXA0Q	
								08 06A	
					KXXA1N	00	=		
XA130	TDD	AN	07	A	( )	01		K16MH0	
								10 07A	
XA130	TDD	AP	05	B	KXXA1P	00	=		
XA130	TDD	AP	05	A	(11)	01		KXXACP	
								06 05A	
XA130	TDD	AQ	06	B	KXXA1Q	00	=		I/O STATE COUNTER BIT 1
XA130	TDD	AQ	07	B	(13)	01		SPI0161	
								15 07B	
					KXXA2I	00	=		
XA129	TDD	BI	03	B	( )	01		KXXA1Q	
								05 03B	
					KXXA2N	00	=		
XA129	TDD	BN	02	B	( )	01		K16MH0	
								01 02B	
XA129	TDD	BP	04	B	KXXA2P	00	=		
XA129	TDD	BP	04	A	(09)	01		KXXACP	
								04 04A	
XA129	TDD	BQ	03	A	KXXA2Q	00	=		I/O STATE COUNTER BIT 2
XA129	TDD	BQ	02	A	(07)	01		SPI0141	
								03 02A	
					KXXA3I	00	=		
XA130	TDD	BI	03	B	( )	01		KXXA2Q	
								05 03B	
					KXXA3N	00	=		
XA130	TDD	BN	02	B	( )	01		K16MH0	
								01 02B	
XA130	TDD	BP	04	B	KXXA3P	00	=		
XA130	TDD	BP	04	A	(09)	01		KXXACP	
								04 04A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC.
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX KXXA3Q
PAGE 56

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA130	TDD	BQ	03A		KXXA3Q	00	=		I/O STATE COUNTER BIT 3
XA130	TDD	BQ	02A		(07)	01		SPI0141 03 02A	
XA135	TQ2	E1	31A		KXXA4A	00	=		
XA135	TQ2	E1	32A		(66)	01		KXXA0Q KXXA3Q 68 32A 70 33A	
XA139	TQ2	F4	39A		KXXA4O	00	=		I/O STATE COUNTER STATE 4
XA139	TQ2	F4	37A		(80)	01		KXXA4A SPI0201 76 37A 78 38A	
XA135	TQ2	E2	28A		KXXA5A	00	=		
XA135	TQ2	E2	29A		(60)	01		KXXA0P KXXA1Q 62 29A 64 30A	
XA138	TQ2	F1	37B		KXXA5O	00	=		I/O STATE COUNTER STATE 5
XA138	TQ2	F1	38B		(75)	01		KXXA5A SPI0181 77 38B 79 39B	
XA135	TQ2	E3	30B		KXXA6A	00	=		I/O STATE COUNTER STATE 6
XA135	TQ2	E3	28B		(57)	01		KXXA1P KXXA2Q 53 28B 55 29B	
XA138	TQ2	C4	19B		KXXBCA	00	=		RESET I/O BYTE COUNTER
XA138	TQ2	C4	17B		(39)	01		KXXBCO SPI0181 35 17B 37 18B	
XA132	TT3	D1	23A		KXXBCO	00	=		
XA132	TT3	D1	24A		(50)	01		KXRCMR KXRENR KXRSOB 52 24A 54 25A 56 26A	
XA127	TQ2	B1	12A		KXXBKO	00	=		I/O BYTE COUNTER CLOCK
XA127	TQ2	B1	13A		(22)	01		KXXA3Q SPI0151 24 13A 26 14A	
XA135	TQ2	D1	24A		KXXBOA	00	=		
XA135	TQ2	D1	25A		(52)	01		KXXBOP KXXB2P 54 25A 56 26A	
					KXXBOI	00	=		
XA128	TDD	BI	03B		( )	01		KXXB2P 05 03B	
					KXXBON	00	=		
XA128	TDD	BN	02B		( )	01		KXXBKO 01 02B	

3-2880-1

56

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

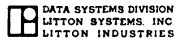UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX KXXB0P
PAGE 57

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA128	TDD	BP	04	B	KXXB0P	00	=		
XA128	TDD	BP	04	A	(09)	01		KXXBCA 04 04A	
XA128	TDD	BQ	03	A	KXXB0Q	00	=		I/O BYTE COUNTER BIT 0
XA128	TDD	BQ	02	A	(07)	01		SPI0141 03 02A	
XA139	TQ2	F1	37	B	KXXB00	00	=		I/O BYTE COUNTER STATE 0
XA139	TQ2	F1	38	B	(75)	01		KXXB0A SPI0201 77 38B 79 39B	
XA135	TQ2	D2	21	A	KXXB1A	00	=		
XA135	TQ2	D2	22	A	(46)	01		KXXB0Q KXXB1P 48 22A 50 23A	
					KXXB1I	00	=		
XA129	TDD	CI	13	A	( )	01		KXXB0Q 24 13A	
					KXXB1N	00	=		
XA129	TDD	CN	14	A	( )	01		KXXBK0 26 14A	
XA129	TDD	CP	11	B	KXXB1P	00	=		
XA129	TDD	CP	12	A	(23)	01		KXXBCA 22 12A	
XA129	TDD	CQ	12	B	KXXB1Q	00	=		I/O BYTE COUNTER BIT 1
XA129	TDD	CQ	13	B	(25)	01		SPI0161 27 13B	
XA139	TQ2	F2	34	A	KXXB10	00	=		I/O BYTE COUNTER STATE 1
XA139	TQ2	F2	36	A	(72)	01		KXXB1A SPI0201 71 36A 73 36B	
XA135	TQ2	D3	24	B	KXXB2A	00	=		
XA135	TQ2	D3	22	B	(45)	01		KXXB1Q KXXB2P 41 22B 43 23B	
					KXXB2I	00	=		
XA130	TDD	CI	13	A	( )	01		KXXB1Q 24 13A	
					KXXB2N	00	=		
XA130	TDD	CN	14	A	( )	01		KXXBK0 26 14A	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860			LOGIC		UNIT ASSEMBLY NO.	149016		REV. E	INDEX	KXXB2P
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU					FILE IDENT	T39CIFC6		DATE 09-03-82	PAGE	58

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR				COMMENT
XA130	TDD	CP	11B		KXXB2P	00	=					
XA130	TDD	CP	12A		(23)	01		KXXBCA 22 12A				
XA130	TDD	CQ	12B		KXXB2Q	00	=					I/O BYTE COUNTER BIT 2
XA130	TDD	CQ	13B		(25)	01		SPI0161 27 13B				
XA139	TQ2	F3	35A		KXXB2Q	00	=					I/O BYTE COUNTER STATE 2
XA139	TQ2	F3	34B		(69)	01		KXXB2A SPI0201 65 34B 74 35B				
XA135	TQ2	D4	27B		KXXB3A	00	=					I/O BYTE COUNTER STATE 3
XA135	TQ2	D4	25B		(51)	01		KXXB0Q KXXB2Q 47 25B 49 26B				
XA126	TQ2	F2	34A		KXXCIA	00	=					
XA126	TQ2	F2	36A		(72)	01		KXXCIO SPI0151 71 36A 73 36B				
					KXXCII	00	=					
XA129	TDD	GI	25A		( )	01		KXGN3A 54 25A				
					KXXCIN	00	=					
XA129	TDD	GN	26A		( )	01		KXXC4P 56 26A				
XA129	TDD	GP	25B		KXXCIP	00	=					
XA129	TDD	GP	24A		(47)	01		KXRSOB 52 24A				
XA129	TDD	GQ	26B		KXXCIQ	00	=					KMXCIB BUSS
XA129	TDD	GQ	27B		(49)	01		KXXCIA 51 27B				
XA115	TD4	F2	35A		KXXCIO	00	=					INDICATOR INPUT CONTROL
XA115	TD4	F2	36A		(69)	01		KSYN1A KXDV3A KXSSOA KXODOA 71 36A 72 34A 73 36B 74 35B				
XA125	TD4	E1	31B		KXXCRO	00	=					IOU INPUT STROBE RESET
XA125	TD4	E1	32B		(59)	01		KXXCIP KXXDDP KXXDIP KXXDSP 61 32B 66 31A 68 32A 70 33A				
XA121	TQ2	F2	34A		KXXCSA	00	=					IOU INPUT STROBE COUNT STROBE
XA121	TQ2	F2	36A		(72)	01		KXXC2Q KXXC4Q 71 36A 73 36B				

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	DRAWING NUMBER **149016-860** UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**					**LOGIC**	UNIT ASSEMBLY NO. **149016** FILE IDENT **T39CIFC6**	REV. **E** INDEX **KXXCS0** DATE **09-03-82** PAGE **59**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA119	TQ2	F4	39A	KXXCS0	00	=		
XA119	TQ2	F4	37A	(80)	01		KXXCSA SPIO131 76 37A 78 38A	
				KXXC0I	00	=		
XA130	TDD	GI	25A	( )	01		KXXC4P 54 25A	
				KXXC0N	00	=		
XA130	TDD	GN	26A	( )	01		K16MI0 56 26A	
XA130	TDD	GP	25B	KXXC0P	00	=		
XA130	TDD	GP	24A	(47)	01		KXXCR0 52 24A	
XA130	TDD	GQ	26B	KXXC0Q	00	=		IOU INPUT STROBE COUNT BIT 0
XA130	TDD	GQ	27B	(49)	01		SPIO161 51 27B	
				KXXC1I	00	=		
XA118	TDD	LI	38B	( )	01		KXXC0Q 77 38B	
				KXXC1N	00	=		
XA118	TDD	LN	39B	( )	01		K16MI0 79 39B	
XA118	TDD	LP	37A	KXXC1P	00	=		
XA118	TDD	LP	37B	(76)	01		KXXCR0 75 37B	
XA118	TDD	LQ	38A	KXXC1Q	00	=		
XA118	TDD	LQ	39A	(78)	01		SPIO011 80 39A	
				KXXC2I	00	=		
XA130	TDD	HI	22A	( )	01		KXXC1Q 48 22A	
				KXXC2N	00	=		
XA130	TDD	HN	21A	( )	01		K16MI0 46 21A	
XA130	TDD	HP	24B	KXXC2P	00	=		
XA130	TDD	HP	23A	(45)	01		KXXCR0 50 23A	

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS INC / LITTON INDUSTRIES

DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	KXXC2Q
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	60

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA130	TDD	HQ	23	B	KXXC2Q	00	=		
XA130	TDD	HQ	22	B	(43)	01		SPI0141 41 22B	
					KXXC3I	00	=		
XA129	TDD	HI	22	A	( )	01		KXXC2Q 48 22A	
					KXXC3N	00	=		
XA129	TDD	HN	21	A	( )	01		K16MIO 46 21A	
XA129	TDD	HP	24	B	KXXC3P	00	=		
XA129	TDD	HP	23	A	(45)	01		KXXCRO 50 23A	
XA129	TDD	HQ	23	B	KXXC3Q	00	=		
XA129	TDD	HQ	22	B	(43)	01		SPI0161 41 22B	
					KXXC4I	00	=		
XA128	TDD	GI	25	A	( )	01		KXXC3Q 54 25A	
					KXXC4N	00	=		
XA128	TDD	GN	26	A	( )	01		K16MIO 56 26A	
XA128	TDD	GP	25	B	KXXC4P	00	=		
XA128	TDD	GP	24	A	(47)	01		KXXCRO 52 24A	
XA128	TDD	GQ	26	B	KXXC4Q	00	=		IOU INPUT STROBE COUNT BIT 4
XA128	TDD	GQ	27	B	(49)	01		SPI0161 51 27B	
XA126	TQ2	F4	39	A	KXXDDA	00	=		
XA126	TQ2	F4	37	A	(80)	01		KXXDDO SPI0151 76 37A 78 38A	
					KXXDDI	00	=		
XA117	TDD	LI	38	B	( )	01		KXGN3A 77 38B	
					KXXDDN	00	=		
XA117	TDD	LN	39	B	( )	01		KXXC4P 79 39B	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS. INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	KXXDDP
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU			FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	61

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA117	TDD	LP	37	A	KXXDDP	00	=		
XA117	TDD	LP	37	B	(76)	01		KXRSOB 75 37B	
XA117	TDD	LQ	38	A	KXXDDQ	00	=		IOU INPUT CONTROL F/F
XA117	TDD	LQ	39	A	(78)	01		KXXDDA 80 39A	
XA119	TQ2	F3	35	A	KXXDD0	00	=		
XA119	TQ2	F3	34	B	(69)	01		KRTDEA KLTEOA 65 34B 74 35B	
XA126	TQ2	F3	35	A	KXXDIA	00	=		
XA126	TQ2	F3	34	B	(69)	01		KXXDIS KXEAOO 65 34B 74 35B	
					KXXDII	00	=		
XA118	TDD	MI	36	A	( )	01		KXGN3A 71 36A	
					KXXDIN	00	=		
XA118	TDD	MN	34	A	( )	01		KXXC4P 72 34A	
XA118	TDD	MP	35	A	KXXDIP	00	=		
XA118	TDD	MP	36	B	(69)	01		KXRSOB 73 36B	
XA118	TDD	MQ	35	B	KXXDIQ	00	=		IOU INPUT INTERRUPT DATA F/F
XA118	TDD	MQ	34	B	(74)	01		KXXDIA 65 34B	
XA124	TT3	F3	39	A	KXXDIR	00	=		
XA124	TT3	F3	35	A	(80)	01		KXXDIS KXINHR KXXDIP 69 35A 76 37A 78 38A	
XA123	TQ2	F3	35	A	KXXDIS	00	=		INTERRUPT WAIT FORENABLE F/F
XA123	TQ2	F3	34	B	(69)	01		KXXDIR KINT2A 65 34B 74 35B	
XA139	TQ2	A1	05	A	KXXDRA	00	=		DAT RECEIVE INHIBIT F SEND
XA139	TQ2	A1	06	A	(06)	01		KXXDR0 SPIO181 08 06A 10 07A	
XA132	TT3	A1	04	A	KXXDR0	00	=		
XA132	TT3	A1	05	A	(04)	01		KXXDDP KXXDIP KXXDSP 06 05A 08 06A 10 07A	

3-2880-1

| DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX KXXDSI PAGE 62 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					KXXDSI	00	=		
XA117	TDD	MI	36A		( )	01		KXGN3A 71 36A	
					KXXDSN	00	=		
XA117	TDD	MN	34A		( )	01		KXXC4P 72 34A	
XA117	TDD	MP	35A		KXXDSP	00	=		
XA117	TDD	MP	36B		(69)	01		KXRSOB 73 36B	
XA117	TDD	MQ	35B		KXXDSQ	00	=		IOU INPUT ITR DATAF/F
XA117	TDD	MQ	34B		(74)	01		KXIR1A 65 34B	
XA124	TT3	D3	27B		KXXRCA	00	=		SET IOU REQUEST CONTROL F/F
XA124	TT3	D3	24B		(51)	01		KXXRCO KXXREP KDEVIR 45 24B 47 25B 49 26B	
					KXXRCI	00	=		
XA117	TDD	JI	32A		( )	01		KXGN3A 68 32A	
					KXXRCN	00	=		
XA117	TDD	JN	33A		( )	01		KXXR2P 70 33A	
XA117	TDD	JP	31B		KXXRCP	00	=		
XA117	TDD	JP	31A		(59)	01		KXRSOB 66 31A	
XA117	TDD	JQ	32B		KXXRCQ	00	=		IOU REQUEST CONTROL F/F
XA117	TDD	JQ	33B		(61)	01		KXXRCA 63 33B	
XA115	TD4	F1	37A		KXXRCO	00	=		IOU REQUEST OR GTE
XA115	TD4	F1	37B		(76)	01		KAEN1A KLPT1A KIEN1A KINT2A 75 37B 77 38B 78 38A 79 39B	
					KXXREI	00	=		
XA118	TDD	JI	32A		( )	01		KXGN3A 68 32A	
					KXXREN	00	=		
XA118	TDD	JN	33A		( )	01		KXEA0A 70 33A	

| | DATA SYSTEMS DIVISION
LITTON SYSTEMS. INC
LITTON INDUSTRIES | DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6 | REV. E
DATE 09-03-82 | INDEX KXXREP
PAGE 63 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA118	TDD	JP	31	B	KXXREP	00	=		
XA118	TDD	JP	31	A	(59)	01		KXRSOB 66 31A	
XA118	TDD	JQ	32	B	KXXREQ	00	=		IOU REQUEST ENABLEE/E
XA118	TDD	JQ	33	B	(61)	01		KXXROP 63 33B	
					KXXROI	00	=		
XA130	TDD	JI	32	A	( )	01		KXXR2P 68 32A	
					KXXRON	00	=		
XA130	TDD	JN	33	A	( )	01		K16MHO 70 33A	
XA130	TDD	JP	31	B	KXXROP	00	=		
XA130	TDD	JP	31	A	(59)	01		KXXRCQ 66 31A	
XA130	TDD	JQ	32	B	KXXROQ	00	=		IOU REQUEST COUNT ER BIT 0
XA130	TDD	JQ	33	B	(61)	01		SPIO161 63 33B	
					KXXR1I	00	=		
XA129	TDD	JI	32	A	( )	01		KXXROQ 68 32A	
					KXXR1N	00	=		
XA129	TDD	JN	33	A	( )	01		K16MHO 70 33A	
XA129	TDD	JP	31	B	KXXR1P	00	=		
XA129	TDD	JP	31	A	(59)	01		KXXRCQ 66 31A	
XA129	TDD	JQ	32	B	KXXR1Q	00	=		
XA129	TDD	JQ	33	B	(61)	01		SPIO161 63 33B	
					KXXR2I	00	=		
XA128	TDD	JI	32	A	( )	01		KXXR1Q 68 32A	
					KXXR2N	00	=		
XA128	TDD	JN	33	A	( )	01		K16MHO 70 33A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU				LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX KXXR2P PAGE 64

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA128	TDD	JP	31	B	KXXR2P	00	=		
XA128	TDD	JP	31	A	(59)	01		KXXRCQ 66 31A	
XA128	TDD	JQ	32	B	KXXR2Q	00	=		IOU REQUEST COUNTER BIT 2
XA128	TDD	JQ	33	B	(61)	01		SPIO161 63 33B	
XA135	TQ2	B2	09	A	KXX04A	00	=		
XA135	TQ2	B2	10	A	(14)	01		KXXB00 KXXA40 18 10A 20 11A	
XA137	TD4	F2	35	A	KXX05A	00	=		I/O STATE IS 5,I/OBYTE IS 0
XA137	TD4	F2	36	A	(69)	01		KXXB0P KXXB2P KXXA0P KXXA1Q 71 36A 72 34A 73 36B 74 35B	
XA138	TQ2	F2	34	A	KXX050	00	=		
XA138	TQ2	F2	36	A	(72)	01		KXX05A SPIO181 71 36A 73 36B	
XA132	TT3	C3	19	B	KXODEA	00	=		OFR DATA PARITY ERROR
XA132	TT3	C3	16	B	(39)	01		KXOFRS KXROPPR KXXA50 33 16B 35 17B 37 18B	
XA123	TQ2	C4	19	B	KXODRA	00	=		OFR RESET
XA123	TQ2	C4	17	B	(39)	01		KXOFRS KXXB10 35 17B 37 18B	
XA132	TT3	D3	27	B	KXODOA	00	=		OFR DATA STROBE
XA132	TT3	D3	24	B	(51)	01		KXOFRS KXXB20 KXXA50 45 24B 47 25B 49 26B	
XA137	TD4	D2	24	B	KXOFRR	00	=		
XA137	TD4	D2	23	B	(45)	01		KXOFRS KXXB0A KXXB3A KXRS0B 43 23B 46 21A 48 22A 50 23A	
XA135	TQ2	C3	16	B	KXOFRS	00	=		OFR COMMAND F/F
XA135	TQ2	C3	14	B	(33)	01		KXOFRR KXOR0A 29 14B 31 15B	
XA127	TQ2	C3	16	B	KXOFR0	00	=		
XA127	TQ2	C3	14	B	(33)	01		KXR098T SPIO161 29 14B 31 15B	
XA127	TQ2	D4	27	B	KXONL0	00	=		ON LINE CONTROL
XA127	TQ2	D4	25	B	(51)	01		KXASLA KXBSLA 47 25B 49 26B	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO. 149016		REV. E		INDEX KXOROA
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT T39CIFC6		DATE 09-03-82		PAGE 65

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA125	TD4	C2	16	B	KXOROA	00	=		COMMAND IS OER
XA125	TD4	C2	15	A	(33)	01		KXCA10 KXDEVA KXOFRO KBUSYA 30 15A 31 15B 34 16A 36 17A	
					KX1MAI	00	=		
XA130	TDD	FI	16	A	( )	01		KX1MBP 34 16A	
					KX1MAN	00	=		
XA130	TDD	FN	15	A	( )	01		K04MZO 30 15A	
XA130	TDD	FP	16	B	KX1MAP	00	=		
XA130	TDD	FP	17	A	(33)	01		SPI0141 36 17A	
XA130	TDD	FQ	15	B	KX1MAQ	00	=		2 PHASE CLOCK BIT 0
XA130	TDD	FQ	14	B	(31)	01		SPI0031 29 14B	
					KX1MBI	00	=		
XA129	TDD	FI	16	A	( )	01		KX1MAQ 34 16A	
					KX1MBN	00	=		
XA129	TDD	FN	15	A	( )	01		K04MZO 30 15A	
XA129	TDD	FP	16	B	KX1MBP	00	=		
XA129	TDD	FP	17	A	(33)	01		SPI0031 36 17A	
XA129	TDD	FQ	15	B	KX1MBQ	00	=		2 PHASE CLOCK BIT 1
XA129	TDD	FQ	14	B	(31)	01		SPI0041 29 14B	
XA126	TQ2	E4	33	B	KOUTOA	00	=		SEND KEYBOARD DATATO PRINTER
XA126	TQ2	E4	31	B	(63)	01		KIENRA KIOUTR 59 31B 61 32B	
XA139	TQ2	B4	13	B	K04MZO	00	=		4 MHZ RECEIVER
XA139	TQ2	B4	11	B	(27)	01		T04MHK SPI0201 23 11B 25 12B	
XA126	TQ2	E1	31	A	K16MHA	00	=		16 MHZ RECEIVER
XA126	TQ2	E1	32	A	(66)	01		T16MHA SPI0151 68 32A 70 33A	

3-2880-1

| | | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES | DRAWING NUMBER | 149016-860 | | | | LOGIC | | UNIT ASSEMBLY NO. | 149016 | | REV. E | | INDEX | K16MH0 |

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU
LOGIC
UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX K16MH0
PAGE 66

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR				COMMENT
XA127	TQ2	E3		30B	K16MH0	00	=					
XA127	TQ2	E3	28B		(57)	01		K16MHA 53 28B	SPI0161 55 29B			
XA127	TQ2	E4		33B	K16MI0	00	=					
XA127	TQ2	E4	31B		(63)	01		K16MHA 59 31B	SPI0161 61 32B			
XA226	TD4	F2		35A	LAEBRA	00	=					RESET EOB F/F
XA226	TD4	F2	36A		(69)	01		LAE13Q 71 36A	LAE14P 72 34A	LAE02Q 73 36B	LAE03P 74 35B	
XA226	TD4	F1		37A	LAEB0A	00	=					SET EOB F/F
XA226	TD4	F1	37B		(76)	01		LPRNTQ 75 37B	LA0ENS 77 38B	LXEB1Q 78 38A	LXCP3B 79 39B	
XA223	TQ2	D2		21A	LAECP0	00	=					MAIN TIMING COUNTER 10US CLK
XA223	TQ2	D2	22A		(46)	01		LAE04P 48 22A	SPI0142 50 23A			
					LAENCI	00	=					
XA220	TDD	KI	29A		( )	01		SPI0022 62 29A				
					LAENCN	00	=					
XA220	TDD	KN	28A		( )	01		LAE14Q 60 28A				
XA220	TDD	KP		30B	LAENCP	00	=					
XA220	TDD	KP	30A		(57)	01		LAEN5A 64 30A				
XA220	TDD	KQ		29B	LAENCQ	00	=					MAIN TIMING COUNT CONTROL F/F
XA220	TDD	KQ	28B		(55)	01		LXRS0B 53 28B				
XA226	TD4	D1		25B	LAEN0A	00	=					START PRINT COMAND
XA226	TD4	D1	26B		(47)	01		LPRNTQ 49 26B	LSNC2S 52 24A	LBUSYS 54 25A	LXCP3B 56 26A	
XA226	TD4	E2		30B	LAENOR	00	=					
XA226	TD4	E2	29B		(57)	01		LAEN0S 55 29B	LAEN1A 60 28A	LA0ENS 62 29A	LXRS0B 64 30A	
XA225	TT3	E2		29B	LAEN0S	00	=					PRINT COMMAND COUNTER BIT 0
XA225	TT3	E2	28B		(55)	01		LAENOR 53 28B	LAEN0A 60 28A	LAEN2A 62 29A		

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER	149016-860				
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU	LOGIC	UNIT ASSEMBLY NO. 149016	REV. E	INDEX LAEN1A
			FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 67

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA223	TQ2	C2	15	A	LAEN1A	00	=		
XA223	TQ2	C2	16	A	(30)	01		LAEN1S LXCP3B	
								34 16A 36 17A	
XA225	TT3	D2	23	B	LAEN1R	00	=		
XA225	TT3	D2	22	B	(43)	01		LAEN1S LAEN3A LXRSOB	
								41 22B 46 21A 48 22A	
XA224	TQ2	D2	21	A	LAEN1S	00	=		PRINT COMMAND COUNTER BIT 1
XA224	TQ2	D2	22	A	(46)	01		LAEN1R LAEN4A	
								48 22A 50 23A	
XA217	TS8	D1	25	B	LAEN2A	00	=		
XA217	TS8	D1	23	B	(47)	01		LPRNTQ LAOENS LAE13Q LAE14P LAE03Q LAE04P LXCP3B SPIO012	
								43 23B 46 21A 48 22A 49 26B 50 23A 52 24A 54 25A 56 26A	
XA225	TT3	D3	27	B	LAEN2R	00	=		
XA225	TT3	D3	24	B	(51)	01		LAEN2S LAEN5A LXRSOB	
								45 24B 47 25B 49 26B	
XA233	TT3	E2	29	B	LAEN2S	00	=		PRINT COMMAND COUNTER BIT
XA233	TT3	E2	28	B	(55)	01		LAEN2R LXEDOA LPTOCA	
								53 28B 60 28A 62 29A	
XA223	TQ2	C3	16	B	LAEN3A	00	=		
XA223	TQ2	C3	14	B	(33)	01		LAENOR LXCP1B	
								29 14B 31 15B	
XA225	TT3	E1	30	A	LAEN3R	00	=		
XA225	TT3	E1	31	A	(64)	01		LAEN3S LAEN7A LXRSOB	
								66 31A 68 32A 70 33A	
XA224	TQ2	E1	31	A	LAEN3S	00	=		PRINT COMMAND COUNTER BIT 3
XA224	TQ2	E1	32	A	(66)	01		LAEN3R LAEN6A	
								68 32A 70 33A	
XA226	TD4	D2	24	B	LAEN4A	00	=		
XA226	TD4	D2	23	B	(45)	01		LAENOS LDMNDQ LPRTOP LXCP1B	
								43 23B 46 21A 48 22A 50 23A	
XA223	TQ2	E1	31	A	LAEN5A	00	=		
XA223	TQ2	E1	32	A	(66)	01		LAEN3S LXCP3B	
								68 32A 70 33A	
XA223	TQ2	D4	27	B	LAEN6A	00	=		
XA223	TQ2	D4	25	B	(51)	01		LAEN2S LXCP1B	
								47 25B 49 26B	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS INC
LITTON INDUSTRIES

DRAWING NUMBER	149016-860	
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU	

LOGIC

UNIT ASSEMBLY NO.	149016	REV. E INDEX LAEN7A
FILE IDENT	T39CIFC6	DATE 09-03-82 PAGE 68

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA223	TQ2	D3	24B		LAEN7A	00	=		
XA223	TQ2	D3	22B		(45)	01		LAEN2R LXCP1B 41 22B 43 23B	
XA224	TQ2	E2	28A		LAESTO	00	=		RESET MAIN TIMING COUNTER
XA224	TQ2	E2	29A		(60)	01		LAENCQ SPIO142 62 29A 64 30A	
XA225	TT3	C3	19B		LAEOBR	00	=		
XA225	TT3	C3	16B		(39)	01		LAEOBS LAEBRA LXRSOB 33 16B 35 17B 37 18B	
XA224	TQ2	C3	16B		LAEOBS	00	=		EOB RECEIVED ON PRINT COM FF
XA224	TQ2	C3	14B		(33)	01		LAEOBR LAEBOA 29 14B 31 15B	
					LAEOOI	00	=		
XA221	TDD	GI	25A		( )	01		LAEO4P 54 25A	
					LAEOON	00	=		
XA221	TDD	GN	26A		( )	01		LXCP1B 56 26A	
XA221	TDD	GP	25B		LAEOOP	00	=		
XA221	TDD	GP	24A		(47)	01		SPIO012 52 24A	
XA221	TDD	GQ	26B		LAEOOQ	00	=		MAIN TIMING COUNTER BIT 0
XA221	TDD	GQ	27B		(49)	01		LAESTO 51 27B	
					LAEO1I	00	=		
XA220	TDD	GI	25A		( )	01		LAEOOQ 54 25A	
					LAEO1N	00	=		
XA220	TDD	GN	26A		( )	01		LXCP1B 56 26A	
XA220	TDD	GP	25B		LAEO1P	00	=		
XA220	TDD	GP	24A		(47)	01		SPIO012 52 24A	
XA220	TDD	GQ	26B		LAEO1Q	00	=		
XA220	TDD	GQ	27B		(49)	01		LAESTO 51 27B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU			LOGIC		UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX LAE02I PAGE 69

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND / OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
				LAE02I	00	=		
XA222	TDD	HI	22A	( )	01		LAE01Q 48 22A	
				LAE02N	00	=		
XA222	TDD	HN	21A	( )	01		LXCP1B 46 21A	
XA222	TDD	HP	24B	LAE02P	00	=		
XA222	TDD	HP	23A	(45)	01		SPI0022 50 23A	
XA222	TDD	HQ	23B	LAE02Q	00	=		
XA222	TDD	HQ	22B	(43)	01		LAESTO 41 22B	
				LAE03I	00	=		
XA221	TDD	HI	22A	( )	01		LAE02Q 48 22A	
				LAE03N	00	=		
XA221	TDD	HN	21A	( )	01		LXCP1B 46 21A	
XA221	TDD	HP	24B	LAE03P	00	=		
XA221	TDD	HP	23A	(45)	01		SPI0022 50 23A	
XA221	TDD	HQ	23B	LAE03Q	00	=		
XA221	TDD	HQ	22B	(43)	01		LAESTO 41 22B	
				LAE04I	00	=		
XA220	TDD	HI	22A	( )	01		LAE03Q 48 22A	
				LAE04N	00	=		
XA220	TDD	HN	21A	( )	01		LXCP1B 46 21A	
XA220	TDD	HP	24B	LAE04P	00	=		
XA220	TDD	HP	23A	(45)	01		SPI0022 50 23A	
XA220	TDD	HQ	23B	LAE04Q	00	=		MAIN TIMING COUNTER IOUS OUT
XA220	TDD	HQ	22B	(43)	01		LAESTO 41 22B	

3-2880-1

69

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX LAE10I
PAGE 70

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					LAE10I	00	=		
XA222	TDD	JI	32A		( )	01		LAE14P 68 32A	
					LAE10N	00	=		
XA222	TDD	JN	33A		( )	01		LAECPO 70 33A	
XA222	TDD	JP	31B		LAE10P	00	=		
XA222	TDD	JP	31A		(59)	01		SPI0012 66 31A	
XA222	TDD	JQ	32B		LAE10Q	00	=		MAIN TIMING COUNTER BIT 10
XA222	TDD	JQ	33B		(61)	01		LAESTO 63 33B	
					LAE11I	00	=		
XA221	TDD	JI	32A		( )	01		LAE10Q 68 32A	
					LAE11N	00	=		
XA221	TDD	JN	33A		( )	01		LAECPO 70 33A	
XA221	TDD	JP	31B		LAE11P	00	=		
XA221	TDD	JP	31A		(59)	01		SPI0012 66 31A	
XA221	TDD	JQ	32B		LAE11Q	00	=		
XA221	TDD	JQ	33B		(61)	01		LAESTO 63 33B	
					LAE12I	00	=		
XA220	TDD	JI	32A		( )	01		LAE11Q 68 32A	
					LAE12N	00	=		
XA220	TDD	JN	33A		( )	01		LAECPO 70 33A	
XA220	TDD	JP	31B		LAE12P	00	=		
XA220	TDD	JP	31A		(59)	01		SPI0012 66 31A	
XA220	TDD	JQ	32B		LAE12Q	00	=		
XA220	TDD	JQ	33B		(61)	01		LAESTO 63 33B	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	LAE13I
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	71

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					LAE13I	00	=		
XA222	TDD	KI	29	A	( )	01		LAE12Q 62 29A	
					LAE13N	00	=		
XA222	TDD	KN	28	A	( )	01		LAECPO 60 28A	
XA222	TDD	KP	30	B	LAE13P	00	=		
XA222	TDD	KP	30	A	(57)	01		SPIO132 64 30A	
XA222	TDD	KQ	29	B	LAE13Q	00	=		
XA222	TDD	KQ	28	B	(55)	01		LAESTO 53 28B	
					LAE14I	00	=		
XA221	TDD	KI	29	A	( )	01		LAE13Q 62 29A	
					LAE14N	00	=		
XA221	TDD	KN	28	A	( )	01		LAECPO 60 28A	
XA221	TDD	KP	30	B	LAE14P	00	=		
XA221	TDD	KP	30	A	(57)	01		SPIO022 64 30A	
XA221	TDD	KQ	29	B	LAE14Q	00	=		
XA221	TDD	KQ	28	B	(55)	01		LAESTO 53 28B	MAIN TIMING COUNTER 100US OUT
XA225	TT3	D1	23	A	LAOENR	00	=		
XA225	TT3	D1	24	A	(50)	01		LAOENS LAOERA LXRSOB 52 24A 54 25A 56 26A	
XA224	TQ2	D1	24	A	LAOENS	00	=		AUTO OUTPUT ENABLE F/F
XA224	TQ2	D1	25	A	(52)	01		LAOENR LAENOA 54 25A 56 26A	
XA232	TS8	F1	37	A	LAOERA	00	=		RESET AUTO OUTPUT ENABLE F/F
XA232	TS8	F1	36	A	(76)	01		LPINTO LAE13Q LAE14P LAE01Q LAE02P LXCP3B SPIO132 SPIO162 71 36A 72 34A 73 36B 74 35B 75 37B 77 38B 78 38A 79 39B	
XA218	TD4	B2	10	B	LBSYOA	00	=		SET HARWARE BUSY F/F
XA218	TD4	B2	09	A	(21)	01		LSNC1S LPFLTA LXCP1B SPIO012 14 09A 18 10A 19 09B 20 11A	
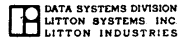
3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
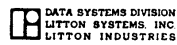UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016 REV. E INDEX LBUSYA
FILE IDENT T39CIFC6 DATE 09-03-82 PAGE 72

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG- NATOR	FACTOR	COMMENT
XA224	TQ2	D4	27B		LBUSYA	00	=		HARDWARE BUSY WHENLOW
XA224	TQ2	D4		25B	(51)	01		LPBZYO SPIO142 47 25B 49 26B	
XA225	TT3	B3	13B		LBUSYR	00	=		
XA225	TT3	B3		10B	(27)	01		LBUSYS LINT1A LXRS0B 21 10B 23 11B 25 12B	
XA224	TQ2	B3	10B		LBUSYS	00	=		HARDWARE BUSY F/F
XA224	TQ2	B3		08B	(21)	01		LBUSYR LBSY0A 17 08B 19 09B	
					LCDERI	00	=		
XA220	TDD	AI	06A		( )	01		SPIO012 08 06A	LOOP TEST COUNTER BIT 0
					LCDERN	00	=		
XA220	TDD	AN	07A		( )	01		SPIO022 10 07A	
XA220	TDD	AP	05B		LCDERP	00	=		
XA220	TDD	AP		05A	(11)	01		LSRS0A 06 05A	
XA220	TDD	AQ	06B		LCDERQ	00	=		COMPUTER DATA PARITY ERROR FF
XA220	TDD	AQ		07B	(13)	01		LCDESA 15 07B	
XA224	TQ2	E3	30B		LCDESA	00	=		
XA224	TQ2	E3		28B	(57)	01		LCDES0 SPIO142 53 28B 55 29B	
XA223	TQ2	A3	04B		LCDES0	00	=		SET COMPUTER DATA PARITY ER
XA223	TQ2	A3		02A	(09)	01		LXDPEA LXODEA 03 02A 07 03A	
XA227	TQ2	E2	28A		LDCP00	00	=		DATA REGISTER CLOCK P0123
XA227	TQ2	E2		29A	(60)	01		LXED0A LXOD0A 62 29A 64 30A	
XA227	TQ2	E3	30B		LDCP10	00	=		DATA REGISTER CLOCK 4567
XA227	TQ2	E3		28B	(57)	01		LXED0A LXOD0A 53 28B 55 29B	
XA245	DCF	D5	38B		LDMNCDX	00	=		SEND DATA TO PRINTER
XA245	DCF	D5		36A	(80)	01		LXGN1A 72 36A	

\3-2880-1

72

DATA SYSTEMS DIVISION / LITTON SYSTEMS. INC / LITTON INDUSTRIES

| DRAWING NUMBER | 149016-860 | LOGIC | UNIT ASSEMBLY NO. | 149016 | REV. E | INDEX | LDMNCO |
| UNIT ASSEMBLY NAME | CARD CAGE ASSY,A,IFCU | | FILE IDENT | T39CIFC6 | DATE 09-03-82 | PAGE | 73 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA240	TQ2	B2	09	A	LDMNCO	00	=		
XA240	TQ2	B2	10	A	(14)	01		LDMNCOX SPIO172 18 10A 20 11A	
XA245	DCF	D6	38	A	LDMNCOX	00	=		
XA245	DCF	D6	37	A	(76)	01		LXGN2A 74 37A	
XA239	TQ2	B3	10	B	LDMNDA	00	=		
XA239	TQ2	B3	08	B	(21)	01		LDMNDOX LDMNCO 17 08B 19 09B	
XA245	DCF	D7	33	A	LDMNDDX	00	=		SEND DATA TO PRINTER IF LOW
XA245	DCF	D7	36	A	(61)	01		LXGN1A 72 36A	
					LDMNDI	00	=		
XA222	TDD	BI	03	B	( )	01		LDMNDO 05 03B	
					LDMNDN	00	=		
XA222	TDD	BN	02	B	( )	01		LXCP1B 01 02B	
XA222	TDD	BP	04	B	LDMNDP	00	=		
XA222	TDD	BP	04	A	(09)	01		SPIO032 04 04A	
XA222	TDD	BQ	03	A	LDMNDQ	00	=		PRINTER REQUEST LINE SYNC
XA222	TDD	BQ	02	A	(07)	01		LXRSOB 03 02A	
XA240	TQ2	B3	10	B	LDMNDO	00	=		
XA240	TQ2	B3	08	B	(21)	01		LDMNDA SPIO172 17 08B 19 09B	
XA245	DCF	D8	34	A	LDMNDOX	00	=		
XA245	DCF	D8	35	A	(68)	01		LXGN2A 70 35A	
XA228	TQ2	F1	37	B	LDRSOA	00	=		
XA228	TQ2	F1	38	B	(75)	01		LDRSOO SPIO152 77 38B 79 39B	
XA227	TQ2	E4	33	B	LDRSOO	00	=		RESET DATA REGISTR
XA227	TQ2	E4	31	B	(63)	01		LXODRA LXRSOB 59 31B 61 32B	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU	LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX LDRS1A PAGE 74

CONNECTOR	CIRCUIT TYPE	GROUP	AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA228	TQ2	F2		34A	LDRS1A	00	=		
XA228	TQ2	F2		36A	(72)	01		LDRS00 SPI0152 71 36A 73 36B	
					LDOPBI	00	=		
XA231	TDD	KI		29A	( )	01		LXRPCS 62 29A	
					LDOPBN	00	=		
XA231	TDD	KN		28A	( )	01		LDCP00 60 28A	
XA231	TDD	KP		30B	LDOPBP	00	=		
XA231	TDD	KP		30A	(57)	01		LDRSOA 64 30A	
XA231	TDD	KQ		29B	LDOPBQ	00	=		DATA REGISTER BIT P
XA231	TDD	KQ		28B	(55)	01		SPI0132 53 28B	
					LDOOBI	00	=		
XA231	TDD	LI		38B	( )	01		LXROCS 77 38B	
					LDOOBN	00	=		
XA231	TDD	LN		39B	( )	01		LDCP00 79 39B	
XA231	TDD	LP		37A	LDOOBP	00	=		
XA231	TDD	LP		37B	(76)	01		LDRSOA 75 37B	
XA231	TDD	LQ		38A	LDOOBQ	00	=		DATA REGISTR BIT O
XA231	TDD	LQ		39A	(78)	01		SPI0152 80 39A	
					LD01BI	00	=		
XA231	TDD	MI		36A	( )	01		LXR1CS 71 36A	
					LD01BN	00	=		
XA231	TDD	MN		34A	( )	01		LDCP00 72 34A	
XA231	TDD	MP		35A	LD01BP	00	=		
XA231	TDD	MP		36B	(69)	01		LDRSOA 73 36B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	LD01BQ
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU			FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	75

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA231	TDD	MQ	35	B	LD01BQ	00	=		
XA231	TDD	MQ	34	B	(74)	01		SPI0132 65 34B	
					LD02BI	00	=		
XA230	TDD	KI	29	A	( )	01		LXR2CS 62 29A	
					LD02BN	00	=		
XA230	TDD	KN	28	A	( )	01		LDCP00 60 28A	
XA230	TDD	KP	30	B	LD02BP	00	=		
XA230	TDD	KP	30	A	(57)	01		LDRSOA 64 30A	
XA230	TDD	KQ	29	B	LD02BQ	00	=		
XA230	TDD	KQ	28	B	(55)	01		SPI0132 53 28B	
					LD03BI	00	=		
XA230	TDD	LI	38	B	( )	01		LXR3CS 77 38B	
					LD03BN	00	=		
XA230	TDD	LN	39	B	( )	01		LDCP00 79 39B	
XA230	TDD	LP	37	A	LD03BP	00	=		
XA230	TDD	LP	37	B	(76)	01		LDRSOA 75 37B	
XA230	TDD	LQ	38	A	LD03BQ	00	=		
XA230	TDD	LQ	39	A	(78)	01		SPI0152 80 39A	
					LD04BI	00	=		
XA230	TDD	MI	36	A	( )	01		LXR4CS 71 36A	
					LD04BN	00	=		
XA230	TDD	MN	34	A	( )	01		LDCP10 72 34A	
XA230	TDD	MP	35	A	LD04BP	00	=		
XA230	TDD	MP	36	B	(69)	01		LDRSIA 73 36B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO.	149016		REV. E	INDEX	LD04BQ
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT	T39CIFC6		DATE 09-03-82	PAGE	76

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA230	TDD	MQ	35B		LD04BQ	00	=		
XA230	TDD	MQ	34B		(74)	01		SPI0132 65 34B	
					LD05BI	00	=		
XA229	TDD	KI	29A		( )	01		LXR5CS 62 29A	
					LD05BN	00	=		
XA229	TDD	KN	28A		( )	01		LDCP10 60 28A	
XA229	TDD	KP	30B		LD05BP	00	=		
XA229	TDD	KP	30A		(57)	01		LDRSIA 64 30A	
XA229	TDD	KQ	29B		LD05BQ	00	=		
XA229	TDD	KQ	28B		(55)	01		SPI0132 53 28B	
					LD06BI	00	=		
XA229	TDD	LI	38B		( )	01		LXR6CS 77 38B	
					LD06BN	00	=		
XA229	TDD	LN	39B		( )	01		LDCP10 79 39B	
XA229	TDD	LP	37A		LD06BP	00	=		
XA229	TDD	LP	37B		(76)	01		LDRSIA 75 37B	
XA229	TDD	LQ	38A		LD06BQ	00	=		
XA229	TDD	LQ	39A		(78)	01		SPI0152 80 39A	
					LD07BI	00	=		
XA229	TDD	MI	36A		( )	01		LXR7CS 71 36A	
					LD07BN	00	=		
XA229	TDD	MN	34A		( )	01		LDCP10 72 34A	
XA229	TDD	MP	35A		LD07BP	00	=		
XA229	TDD	MP	36B		(69)	01		LDRSIA 73 36B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS. INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU					LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX LD07BQ PAGE 77

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA229	TDD	MQ	35B		LD07BQ	00	=		DATA REGISTER BIT
XA229	TDD	MQ	34B		(74)	01		SPI0132 65 34B	
					LFRMFI	00	=		
XA231	TDD	EI	19A		( )	01		LFRMFO 40 19A	
					LFRMFN	00	=		
XA231	TDD	EN	20A		( )	01		LXDV1C 42 20A	
XA231	TDD	EP	17B		LFRMFP	00	=		
XA231	TDD	EP	18A		(35)	01		LXRS0B 38 18A	
XA231	TDD	EQ	18B		LFRMFQ	00	=		FORM FEED COMMAND F/F
XA231	TDD	EQ	19B		(37)	01		SPI0152 39 19B	
XA227	TQ2	B3	10B		LFRMFO	00	=		
XA227	TQ2	B3	08B		(21)	01		LXRAF6T SPI0142 17 08B 19 09B	
XA223	TQ2	F1	37B		LINT1A	00	=		END OF DEV COMMAND
XA223	TQ2	F1	38B		(75)	01		LINT10 SPI0142 77 38B 79 39B	
XA218	TD4	F1	37A		LINT10	00	=		
XA218	TD4	F1	37B		(76)	01		LSCI1A LLPF1A LPINTA SPI0012 75 37B 77 38B 78 38A 79 39B	
XA223	TQ2	B2	09A		LINT2A	00	=		END DEV COMND REQ/INTERRUPT
XA223	TQ2	B2	10A		(14)	01		LINT10 LFRMFP 18 10A 20 11A	
XA223	TQ2	B4	13B		LKRS0A	00	=		REQUEST LINE TIMERRESET
XA223	TQ2	B4	11B		(27)	01		LDMNDQ SPI0142 23 11B 25 12B	
XA223	TQ2	C1	18A		LKRS1A	00	=		
XA223	TQ2	C1	19A		(38)	01		LDMNDQ SPI0142 40 19A 42 20A	
XA223	TQ2	E4	33B		LK03BA	00	=		REQUEST TIMER CLOCK 16US
XA223	TQ2	E4	31B		(63)	01		LK03B4U SPI0142 59 31B 61 32B	

3-2880-1

DATA SYSTEMS DIVISION **LITTON SYSTEMS, INC** **LITTON INDUSTRIES**	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO. 149016	REV. E	INDEX LK03B1U
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 78

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA234	DBC	C1	18A		LK03B1U	00	=		REQUEST TIMER BITS0-1-2-3
XA234	DBC	C1	18B		(38)	01		SPI0162 SPI0042 SPI0132 SPI0032 SPI0052 39 18B 41 19B 43 22B 45 23B 50 24A	
XA234	DBC	C2	19A		LK03B2U	00	=		
XA234	DBC	C2	17B		(40)	01		LXCP1B 37 17B	
XA234	DBC	C3	20A		LK03B3U	00	=		
XA234	DBC	C3	23A		(42)	01		SPI0122 47 23A	
XA234	DBC	C4	21A		LK03B4U	00	=		
XA234	DBC	C4	22A		(46)	01		SPI0182 48 22A	
XA234	DBC	C5	17A		LK03B5U	00	=		
XA234	DBC	C5	16B		(36)	01		LKRS0A 35 16B	
					LK04BI	00	=		
XA222	TDD	EI	19A		( )	01		LK05BP 40 19A	
					LK04BN	00	=		
XA222	TDD	EN	20A		( )	01		LK03BA 42 20A	
XA222	TDD	EP	17B		LK04BP	00	=		
XA222	TDD	EP	18A		(35)	01		LKRS0A 38 18A	
XA222	TDD	EQ	18B		LK04BQ	00	=		REQUEST TIMER BIT 4
XA222	TDD	EQ	19B		(37)	01		SPI0012 39 19B	
					LK05BI	00	=		
XA221	TDD	EI	19A		( )	01		LK04BQ 40 19A	
					LKC5BN	00	=		
XA221	TDD	EN	20A		( )	01		LK03BA 42 20A	
XA221	TDD	EP	17B		LK05BP	00	=		
XA221	TDD	EP	18A		(35)	01		LKRS0A 38 18A	

3-2680-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS INC
LITTON INDUSTRIES

| DRAWING NUMBER | 149016-860 |
| UNIT ASSEMBLY NAME | CARD CAGE ASSY,A,IFCU |

LOGIC

| UNIT ASSEMBLY NO. | 149016 | REV. E | INDEX LK05BQ |
| FILE IDENT | T39CIFC6 | DATE 09-03-82 | PAGE 79 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA221	TDD	EQ		18B	LK05BQ	00	=		REQUEST TIMER BIT 5
XA221	TDD	EQ		19B	(37)	01		SPI0012	
								39 19B	
XA223	TQ2	E3	30B		LK06BA	00	=		REQUEST TIMER CLOCK 1.024 MS
XA223	TQ2	E3	28B		(57)	01		LK06B4U SPI0142	
								53 28B 55 29B	
XA235	DBC	C1	18A		LK06B1U	00	=		REQUEST TIMER BITS6-7-8-9
XA235	DBC	C1	18B		(38)	01		SPI0052 SPI0042 SPI0132 SPI0032 SPI0162	
								39 18B 41 19B 43 22B 45 23B 50 24A	
XA235	DBC	C2	19A		LK06B2U	00	=		
XA235	DBC	C2	17B		(40)	01		LK05BP	
								37 17B	
XA235	DBC	C3	20A		LK06B3U	00	=		
XA235	DBC	C3	23A		(42)	01		SPI0122	
								47 23A	
XA235	DBC	C4	21A		LK06B4U	00	=		
XA235	DBC	C4	22A		(46)	01		SPI0182	
								48 22A	
XA235	DBC	C5	17A		LK06B5U	00	=		
XA235	DBC	C5	16B		(36)	01		LKRS0A	
								35 16B	
					LK10BI	00	=		
XA220	TDD	EI	19A		( )	01		LK11BP	
								40 19A	
					LK10BN	00	=		
XA220	TDD	EN	20A		( )	01		LK06BA	
								42 20A	
XA220	TDD	EP	17B		LK10BP	00	=		
XA220	TDD	EP	18A		(35)	01		LKRS0A	
								38 18A	
XA220	TDD	EQ	18B		LK10BQ	00	=		REQUEST TIMER BIT 10
XA220	TDD	EQ	19B		(37)	01		SPI0012	
								39 19B	
					LK11BI	00	=		
XA222	TDD	FI	16A		( )	01		LK10BQ	
								34 16A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX LK11BN
PAGE 80

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					LK11BN	00	=		
XA222	TDD	FN	15A		( )	01		LK06BA 30 15A	
XA222	TDD	FP	16B		LK11BP	00	=		
XA222	TDD	FP	17A		(33)	01		LKRS0A 36 17A	
XA222	TDD	FQ	15B		LK11BQ	00	=		REQUEST TIMER BIT 11
XA222	TDD	FQ	14B		(31)	01		SPI0022 29 14B	
XA223	TQ2	E2	28A		LK12BA	00	=		REQUEST TIMER CLOCK 65.536 MS
XA223	TQ2	E2	29A		(60)	01		LK12B4U SPI0142 62 29A 64 30A	
XA234	DBC	D1	26A		LK12B1U	00	=		REQUEST TIMER BITS12-13-14-15
XA234	DBC	D1	26B		(54)	01		SPI0052 SPI0042 SPI0132 SPI0032 SPI0162 53 26B 55 27B 57 29B 59 30B 63 31A	
XA234	DBC	D2	28B		LK12B2U	00	=		
XA234	DBC	D2	25B		(56)	01		LK11BP 51 25B	
XA234	DBC	D3	28A		LK12B3U	00	=		
XA234	DBC	D3	31B		(60)	01		SPI0122 61 31B	
XA234	DBC	D4	29A		LK12B4U	00	=		
XA234	DBC	D4	30A		(62)	01		SPI0182 64 30A	
XA234	DBC	D5	25A		LK12B5U	00	=		
XA234	DBC	D5	24B		(52)	01		LKRS1A 49 24B	
					LK16BI	00	=		
XA221	TDD	FI	16A		( )	01		LK17BP 34 16A	
					LK16BN	00	=		
XA221	TDD	FN	15A		( )	01		LK12BA 30 15A	
XA221	TDD	FP	16B		LK16BP	00	=		
XA221	TDD	FP	17A		(33)	01		LKRS1A 36 17A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860			LOGIC	UNIT ASSEMBLY NO. 149016	REV. E	INDEX LK16BQ
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 81

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA221	TDD	FQ		15B	LK16BQ	00	=		REQUEST TIMER BIT 16
XA221	TDD	FQ		14B	(31)	01		SPI0022 29 14B	
					LK17BI	00	=		
XA220	TDD	FI		16A	( )	01		LK16BQ 34 16A	
					LK17BN	00	=		
XA220	TDD	FN		15A	( )	01		LK12BA 30 15A	
XA220	TDD	FP		16B	LK17BP	00	=		
XA220	TDD	FP		17A	(33)	01		LKRS1A 36 17A	
XA220	TDD	FQ		15B	LK17BQ	00	=		REQUEST TIMER BIT 17
XA220	TDD	FQ		14B	(31)	01		SPI0022 29 14B	
XA223	TQ2	D1		24A	LK18BA	00	=		REQUEST TIMER CLOCK 4.194 SEC
XA223	TQ2	D1		25A	(52)	01		LK18B4U SPI0142 54 25A 56 26A	
XA235	DBC	D1		26A	LK18B1U	00	=		REQUEST TIMER BITS18-19-20-21
XA235	DBC	D1		26B	(54)	01		SPI0052 SPI0122 SPI0032 SPI0042 SPI0132 53 26B 55 27B 57 29B 59 30B 63 31A	
XA235	DBC	D2		28B	LK18B2U	00	=		
XA235	DBC	D2		25B	(56)	01		LK17BP 51 25B	
XA235	DBC	D3		28A	LK18B3U	00	=		
XA235	DBC	D3		31B	(60)	01		SPI0182 61 31B	
XA235	DBC	D4		29A	LK18B4U	00	=		
XA235	DBC	D4		30A	(62)	01		SPI0162 64 30A	
XA235	DBC	D5		25A	LK18B5U	00	=	.	
XA235	DBC	D5		24B	(52)	01		LKRS1A 49 24B	
					LK22BI	00	=		
XA222	TDD	GI		25A	( )	01		LK2290 54 25A	

3-2880-1
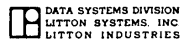
DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC / LITTON INDUSTRIES
DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU
LOGIC
UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX LK22BN
PAGE 82

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					LK22BN	00	=		
XA222	TDD	GN	26A		( )	01		LK18BA / 56 26A	
XA222	TDD	GP	25B		LK22BP	00	=		
XA222	TDD	GP	24A		(47)	01		LKRS1A / 52 24A	
XA222	TDD	GQ	26B		LK22BQ	00	=		REQUEST TIMER BIT 2
XA222	TDD	GQ	27B		(49)	01		SPIO012 / 51 27B	
XA223	TQ2	C4	19B		LK2290	00	=		
XA223	TQ2	C4	17B		(39)	01		LK22BQ SPIO142 / 35 17B 37 18B	
XA241	TLD	D1	24A		LLPDSD1	00	=		PRINTER DATA STROBE WHEN LOW
XA241	TLD	D1	25A		(52)	01		LPDSC0 SPIO172 / 54 25A 56 26A	
XA241	TLD	D2	21A		LLPFFD1	00	=		PRINTER FORM FEED WHEN LOW
XA241	TLD	D2	22A		(46)	01		LLPFIS SPIO172 / 48 22A 50 23A	
XA218	TD4	A1	05B		LLPF0A	00	=		START FORM FEED COMMAND
XA218	TD4	A1	05A		(11)	01		LFRMFQ LSNC2S LBUSYS LXCP3B / 06 05A 08 06A 10 07A 13 06B	
XA225	TT3	B1	11A		LLPF0R	00	=		
XA225	TT3	B1	12A		(20)	01		LLPF0S LLPF1A LXRS0B / 22 12A 24 13A 26 14A	
XA224	TQ2	B1	12A		LLPF0S	00	=		FORM FEED COUNTER BIT 0
XA224	TQ2	B1	13A		(22)	01		LLPF0R LLPF0A / 24 13A 26 1	
XA223	TQ2	A2	02B		LLPF1A	00	=		
XA223	TQ2	A2	04A		(01)	01		LLPF1S LXCP3B / 04 04A 05 03B	
XA225	TT3	B2	09B		LLPF1R	00	=		
XA225	TT3	B2	09A		(19)	01		LLPF1S LLPF3A LXRS0B / 14 09A 17 08B 18 10A	
XA224	TQ2	B2	09A		LLPF1S	00	=		FORM FEED COUNTER BIT 1
XA224	TQ2	B2	10A		(14)	01		LLPF1R LLPF2A / 18 10A 20 11A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX LLPF2A
PAGE 83

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA223	TQ2	A4	07	B	LLPF2A	00	=		
XA223	TQ2	A4	05	B	(15)	01		LLPFOS LXCP1B	
								11 05B 13 06B	
XA224	TQ2	A4	07	B	LLPF3A	00	=		
XA224	TQ2	A4	05	B	(15)	01		LLPFOR LXCP1B	
								11 05B 13 06B	
XA241	TLD	D3	24	B	LLPRSD1	00	=		PRINTER RESET WHENLOW
XA241	TLD	D3	22	B	(45)	01		LXSTOQ SPI0172	
								41 22B 43 23B	
XA225	TT3	A2	03	A	LLPTBR	00	=		
XA225	TT3	A2	02	B	(07)	01		LLPTBS LXXDDP LXRSOB	
								01 02B 03 02A 05 03B	
XA224	TQ2	A2	02	B	LLPTBS	00	=		LOOP TEST BUSY F/F
XA224	TQ2	A2	04	A	(01)	01		LLPTBR LXODOA	
								04 04A 05 03B	
					LLPTOI	00	=		
XA220	TDD	BI	03	B	( )	01		LXGN2A	
								05 03B	
					LLPTON	00	=		
XA220	TDD	BN	02	B	( )	01		LLPT1A	
								01 02B	
XA220	TDD	BP	04	B	LLPTOP	00	=		
XA220	TDD	BP	04	A	(09)	01		LXRSOB	
								04 04A	
XA220	TDD	BQ	03	A	LLPTOQ	00	=		
XA220	TDD	BQ	02	A	(07)	01		LXODOA	
								03 02A	
XA223	TQ2	A1	05	A	LLPT1A	00	=		
XA223	TQ2	A1	06	A	(06)	01		LLPT1Q LXCP3B	
								08 06A 10 07A	
					LLPT1I	00	=		
XA221	TDD	BI	03	B	( )	01		LLPTOQ	
								05 03B	
					LLPT1N	00	=		
XA221	TDD	BN	02	B	( )	01		LXCP1B	
								01 02B	

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC / LITTON INDUSTRIES

DRAWING NUMBER	149016-860		LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX LLPT1P
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU			FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE 84

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA221	TDD	BP	04B		LLPT1P	00	=		
XA221	TDD	BP		04A	(09)	01		LXRSOB 04 04A	
XA221	TDD	BQ	03A		LLPT1Q	00	=		LOOP TEST COUNTER BIT 1
XA221	TDD	BQ		02A	(07)	01		SPI0032 03 02A	
XA225	TT3	A1	04A		LLPT2R	00	=		
XA225	TT3	A1		05A	(04)	01		LLPT2S LXXDDP LXRSOB 06 05A 08 06A 10 07A	
XA224	TQ2	A1	05A		LLPT2S	00	=		LOOP TEST WAIT FORENABLE F/F
XA224	TQ2	A1		06A	(06)	01		LLPT2R LLPT1A 08 06A 10 07A	
XA241	TLD	D4	27B		LLQDSD1	00	=		PRINTER DATA STROBE WHEN HI
XA241	TLD	D4		25B	(51)	01		LPDSCA LPCRSA 47 25B 49 26B	
XA241	TLD	C4	19B		LLQFFD1	00	=		PRINTER FORM FEED WHEN HI
XA241	TLD	C4		17B	(39)	01		LLPFIR SPI0172 35 17B 37 18B	
XA242	TLD	C4	19B		LLQRSD1	00	=		PRINTER RESET WHENHI
XA242	TLD	C4		17B	(39)	01		LXSTOP SPI0172 35 17B 37 18B	
XA228	TQ2	F3	35A		LLTEOA	00	=		START DATA INPUT ON LOOP TEST
XA228	TQ2	F3		34B	(69)	01		LLPT2S LXEA00 65 34B 74 35B	
XA226	TD4	B2	10B		LPBZY0	00	=		HARWARE BUSY WHEN HI
XA226	TD4	B2		09A	(21)	01		LSNCOR LINT2A LXXDIR LLPTBR 14 09A 18 10A 19 09B 20 11A	
XA218	TD4	A2	04B		LPCRCA	00	=		NOT USED (FOR CR) AT EOB
XA218	TD4	A2		02B	(09)	01		LXGN2A LAE11Q LAE12P LAE00P 01 02B 04 04A 05 03B 07 03A	
XA236	TQ2	F2	34A		LPCRC0	00	=		NOT USED
XA236	TQ2	F2		36A	(72)	01		LPCRCA SPI0162 71 36A 73 36B	
XA217	TS8	C1	17B		LPCRSA	00	=		
XA217	TS8	C1		15A	(35)	01		LXGN2A LAE11Q LAE12P LAE02P LAE04Q LPFLTP LPRTOP SPI0012 30 15A 31 15B 34 16A 36 17A 37 18B 38 18A 40 19A 42 20A	

3-2860-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC / LITTON INDUSTRIES

DRAWING NUMBER **149016-860** UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**

LOGIC

UNIT ASSEMBLY NO. **149016** FILE IDENT **T39CIFC6** REV. **E** DATE **09-03-82** INDEX **LPCR1D** PAGE **85**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA242	TLD	E1	31	A	LPCR1D	00	=		LPDB1B1 BUSS
XA242	TLD	E1	32	A	(66)	01		LPCRC0 SPI0182 / 68 32A 70 33A	
XA242	TLD	E2	28	A	LPCR3D	00	=		LPDB3B1 BUSS
XA242	TLD	E2	29	A	(60)	01		LPCRC0 SPI0182 / 62 29A 64 30A	
XA242	TLD	E3	30	B	LPCR4D	00	=		LPDB4B1 BUSS
XA242	TLD	E3	28	B	(57)	01		LPCRC0 SPI0182 / 53 28B 55 29B	
XA233	TT3	F3	39	A	LPDBCA	00	=		SEND DATA TO PRINTER 51-55 US
XA233	TT3	F3	35	A	(80)	01		LAE1OP LAE14P LAE0OP / 69 35A 76 37A 78 38A	
XA236	TQ2	F3	35	A	LPDBC0	00	=		
XA236	TQ2	F3	34	B	(69)	01		LPDBCA SPI0162 / 65 34B 74 35B	
XA242	TLD	E4	33	B	LPDBPD1	00	=		PRINTER DATA BIT P
XA242	TLD	E4	31	B	(63)	01		LPDBC0 LD0PBQ / 59 31B 61 32B	
						LPDB1B1	00	=		
XA241	TLD	E1	31	A	( )	01		LPDB1D / 66 31A	PRINTER DATA BIT 1
XA242	TLD	E1	31	A	( )	02	+	LPCR1D / 66 31A	PRINTER DATA BIT 1
XA241	TLD	E1	31	A	LPDB1D	00	=		LPDB1B1 BUSS
XA241	TLD	E1	32	A	(66)	01		LPDBC0 LD07BQ / 68 32A 70 33A	
XA242	TLD	F1	37	B	LPDB2D1	00	=		PRINTER DATA BIT 2
XA242	TLD	F1	38	B	(75)	01		LPDBC0 LD06BQ / 77 38B 79 39B	
						LPDB3B1	00	=		
XA241	TLD	E2	28	A	( )	01		LPDB3D / 60 28A	PRINTER DATA BIT 3
XA242	TLD	E2	28	A	( )	02	+	LPCR3D / 60 28A	PRINTER DATA BIT 3
XA241	TLD	E2	28	A	LPDB3D	00	=		LPDB3B1 BUSS
XA241	TLD	E2	29	A	(60)	01		LPDBC0 LD05BQ / 62 29A 64 30A	

3-2880-1

DATA SYSTEMS DIVISION **LITTON SYSTEMS, INC** **LITTON INDUSTRIES**	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU		LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX LPDB4B1 PAGE 86

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG- NATOR	FACTOR	COMMENT
					LPDB4B1	00	=		
XA241	TLD	E3	30B		( )	01		LPDB4D 57 30B	PRINTER DATA BIT 4
XA242	TLD	E3	30B		( )	02	+	LPCR4D 57 30B	PRINTER DATA BIT 4
XA241	TLD	E3	30B		LPDB4D	00	=		LPDB4B1 BUSS
XA241	TLD	E3	28B		(57)	01		LPDBCO LD04BQ 53 28B 55 29B	
XA242	TLD	F2	34A		LPDB5D1	00	=		PRINTER DATA BIT 5
XA242	TLD	F2	36A		(72)	01		LPDBCO LD03BQ 71 36A 73 36B	
XA241	TLD	F1	37B		LPDB6D1	00	=		PRINTER DATA BIT 6
XA241	TLD	F1	38B		(75)	01		LPDBCO LD02BQ 77 38B 79 39B	
XA241	TLD	F2	34A		LPDB7D1	00	=		PRINTER DATA BIT 7
XA241	TLD	F2	36A		(72)	01		LPDBCO LD01BQ 71 36A 73 36B	
XA217	TS8	B1	11B		LPDSCA	00	=		PRINTER DATA STROBE 53-54 US
XA217	TS8	B1	09A		(23)	01		LAE10P LAE14P LAE02P LAE04Q LPFLTP LPRT0P SPI0022 SPI0012 14 09A 18 10A 19 09B 20 11A 22 12A 24 13A 25 12B 26 14A	
XA223	TQ2	B3	10B		LPDSCO	00	=		
XA223	TQ2	B3	08B		(21)	01		LPDSCA LPCRSA 17 08B 19 09B	
XA218	TD4	B1	11B		LPFLIA	00	=		FAULT DETECT INHIBIT 96-98 US
XA218	TD4	B1	12A		(23)	01		LAEI3Q LAEI4P LAE00Q LAE03P 22 12A 24 13A 25 12B 26 14A	
XA224	TQ2	E4	33B		LPFLTA	00	=		SET PRINTER FAULT F/F
XA224	TQ2	E4	31B		(63)	01		LPFLT0X LPFLIA 59 31B 61 32B	
XA244	DCF	D7	33A		LPFLTDX	00	=		LINE PRINTER FAULT RECEIVER
XA244	DCF	D7	36A		(61)	01		SPI0182 72 36A	
					LPFLTI	00	=		
XA222	TDD	AI	06A		( )	01		SPI0012 08 06A	
					LPFLTN	00	=		
XA222	TDD	AN	07A		( )	01		SPI0022 10 07A	

3-2880-1

| | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | | LOGIC | | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | | REV. E DATE 09-03-82 | INDEX LPFLTP PAGE 87 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA222	TDD	AP	05	B	LPFLTP	00	=		
XA222	TDD	AP	05	A	(11)	01		LSRSOA 06 05A	
XA222	TDD	AQ	06	B	LPFLTQ	00	=		LINE PRINTER FAULTEE
XA222	TDD	AQ	07	B	(13)	01		LPFLTA 15 07B	
XA244	DCF	D8	34	A	LPFLTOX	00	=		
XA244	DCF	D8	35	A	(68)	01		SPIO08⌐ 70 35A	
XA232	TS8	E1	31	B	LPINTA	00	=		END DEV COMMAND
XA232	TS8	E1	29	B	(59)	01		LPINTO LAE13Q LAE14P LAE00Q LAE01P LXCP3B SPIO132 SPIO152 55 29B 60 28A 61 32B 62 29A 64 30A 66 31A 68 32A 70 33A	
XA233	TT3	F1	36	B	LPINTO	00	=		
XA233	TT3	F1	37	B	(73)	01		LAE08R LPFLTP LPRTOP 75 37B 77 38B 79 39B	
					LPRNTI	00	=		
XA229	TDD	FI	16	A	( )	01		LPRNTO 34 16A	
					LPRNTN	00	=		
XA229	TDD	FN	15	A	( )	01		LXDV10 30 15A	
XA229	TDD	FP	16	B	LPRNTP	00	=		
XA229	TDD	FP	17	A	(33)	01		LXRSOB 36 17A	
XA229	TDD	FQ	15	B	LPRNTQ	00	=		PRINT COMMAND F/F
XA229	TDD	FQ	14	B	(31)	01		SPIO132 29 14B	
XA227	TQ2	B4	13	B	LPRNTO	00	=		
XA227	TQ2	B4	11	B	(27)	01		LXRAF7T SPIO142 23 11B 25 12B	
					LPRTOI	00	=		
XA221	TDD	AI	06	A	( )	01		SPIO012 08 06A	
					LPRTON	00	=		
XA221	TDD	AN	07	A	( )	01		SPIO022 10 07A	

3-2880-1

| | DATA SYSTEMS DIVISION LITTON SYSTEMS. INC LITTON INDUSTRIES | DRAWING NUMBER UNIT ASSEMBLY NAME | 149016-860 CARD CAGE ASSY,A,IFCU | | LOGIC | | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX LPRTOP PAGE 88 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA221	TDD	AP	05B		LPRTOP	00	=		
XA221	TDD	AP		05A	(11)	01		LSRSOA	
								06 05A	
XA221	TDD	AQ	06B		LPRTOQ	00	=		PRINTER TIMEOUT FF
XA221	TDD	AQ		07B	(13)	01		LPTOCA	
								15 07B	
XA225	TT3	F1	36B		LPTOCA	00	=		SET PRINTER TIME OUT F/F
XA225	TT3	F1		37B	(73)	01		LAOENS LK22BQ LXCP3B	
								75 37B 77 38B 79 39B	
XA233	TT3	F2	35B		LSCI1A	00	=		REJECT NEW COMMANDIF NO BUSY
XA233	TT3	F2		34B	(74)	01		LSNC2S LBUSYR LXCP3B	
								65 34B 71 36A 72 34A	
XA217	TS8	E1	31B		LSNCOA	00	=		
XA217	TS8	E1		29B	(59)	01		LSNCOS LSNC2R LBUSYR LINT1A LXCP3B SPIO022 SPIO012 SPIO032	
								55 29B 60 28A 61 32B 62 29A 64 30A 66 31A 68 32A 70 33A	
XA225	TT3	A3	07B		LSNCOR	00	=		
XA225	TT3	A3		04B	(15)	01		LSNCOS LINT1A LXRSOB	
								09 04B 11 05B 13 06B	
XA224	TQ2	A3	04B		LSNCOS	00	=		DEV SYNC COUNTER BIT 0
XA224	TQ2	A3		02A	(09)	01		LSNCOR LSYN1A	
								03 02A 07 03A	
XA223	TQ2	B1	12A		LSNC1A	00	=		
XA223	TQ2	B1		13A	(22)	01		LSNC2S LXCP3B	
								24 13A 26 14A	
XA225	TT3	C1	17A		LSNC1R	00	=		
XA225	TT3	C1		18A	(36)	01		LSNC1S LSNC1A LXRSOB	
								38 18A 40 19A 42 20A	
XA224	TQ2	C1	18A		LSNC1S	00	=		DEV SYNC COUNTER BIT 1
XA224	TQ2	C1		19A	(38)	01		LSNC1R LSNCOA	
								40 19A 42 20A	
XA227	TQ2	D2	21A		LSNC2A	00	=		
XA227	TQ2	D2		22A	(46)	01		LSNC1S LXCP1B	
								48 22A 50 23A	
XA225	TT3	C2	15B		LSNC2R	00	=		
XA225	TT3	C2		14B	(31)	01		LSNC2S LSNC3A LXRSOB	
								29 14B 30 15A 34 16A	

3-2880-1

| DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX LSNC2S PAGE 89 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA224	TQ2	C2	15	A	LSNC2S	00	=		DEV SYNC COUNTER BIT 2
XA224	TQ2	C2	16	A	(30)	01		LSNC2R LSNC2A 34 16A 36 17A	
XA224	TQ2	B4	13	B	LSNC3A	00	=		
XA224	TQ2	B4	11	B	(27)	01		LSNC1R LXCP1B 23 11B 25 12B	
XA224	TQ2	F1	37	B	LSRSOA	00	=		
XA224	TQ2	F1	38	B	(75)	01		LSRS00 SPI0142 77 38B 79 39B	
XA225	TT3	E3	33	B	LSRS00	00	=		RESET ERROR REGISTER
XA225	TT3	E3	30	B	(63)	01		LSNC2A LXODRA LXRS0B 57 30B 59 31B 61 32B	
XA228	TQ2	B3	10	B	LSYN1A	00	=		START DEV COMMAND
XA228	TQ2	B3	08	B	(21)	01		LSYN10 LXDV10 17 08B 19 09B	
XA227	TQ2	B2	09	A	LSYN10	00	=		
XA227	TQ2	B2	10	A	(14)	01		LXRAF6T LXRAF7T 18 10A 20 11A	
					LXACMB4	00	=		
XA242	TLD	C2	15	A	( )	01		LXACMD 30 15A	PORT A/B COMMAND LINE BUS
XA241	TLD	C2	15	A	( )	02	+	LXBCMD 30 15A	PORT A/B COMMAND LINE BUS
XA242	TLD	C2	15	A	LXACMD	00	=		LXACMB4 BUSS
XA242	TLD	C2	16	A	(30)	01		LXAIFO LXACMOX 34 16A 36 17A	
XA245	DCF	C1	25	B	LXACMDX	00	=		TACMAB BUSS
XA245	DCF	C1	29	A	(46)	01		LXAOEA 52 29A	
XA245	DCF	C2	26	B	LXACMOX	00	=		
XA245	DCF	C2	27	B	(47)	01		LXGN1A 49 27B	
XA228	TQ2	F4	39	A	LXADEA	00	=		ODD/EVEN RECEIVER
XA228	TQ2	F4	37	A	(80)	01		TXADE04 SPI0152 76 37A 78 38A	
XA236	TQ2	E4	33	B	LXADRO	00	=		
XA236	TQ2	E4	31	B	(63)	01		LXAD6A LXAD7A 59 31B 61 32B	

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC / LITTON INDUSTRIES — DRAWING NUMBER 149016-860 — UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU — LOGIC — UNIT ASSEMBLY NO. 149016 — FILE IDENT T39CIFC6 — REV. E — DATE 09-03-82 — INDEX LXAD6A — PAGE 90

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA239	TQ2	F3	35A		LXAD6A	00	=		
XA239	TQ2	F3	34B		(69)	01		TXADE04 LXR6CS / 65 34B 74 35B	
XA239	TQ2	F4	39A		LXAD7A	00	=		
XA239	TQ2	F4	37A		(80)	01		LXADEA LXR7CS / 76 37A 78 38A	
					LXAENB4	00	=		
XA242	TLD	C3	16B		( )	01		LXAEND / 33 16B	PORT A/B ENABLE LINE BUS
XA241	TLD	C3	16B		( )	02	+	LXBEND / 33 16B	PORT A/B ENABLE LINE BUS
XA242	TLD	C3	16B		LXAEND	00	=	LXAENB4 BUSS	
XA242	TLD	C3	14B		(33)	01		LXAIFO LXAENOX / 29 14B 31 15B	
XA245	DCF	C3	30B		LXAENDX	00	=	TAENAB BUSS	
XA245	DCF	C3	29A		(55)	01		LXAOEA / 52 29A	
XA245	DCF	C4	29B		LXAENOX	00	=		
XA245	DCF	C4	28B		(56)	01		LXGN1A / 51 28B	
XA239	TQ2	A1	05A		LXAIEA	00	=		
XA239	TQ2	A1	06A		(06)	01		LXASLOX LXXDRA / 08 06A 10 07A	
XA240	TQ2	A2	02B		LXAIE0	00	=	PORT A DATA RECEIVE ENABLE	
XA240	TQ2	A2	04A		(01)	01		LXAIEA SPI0172 / 04 04A 05 03B	
XA240	TQ2	A3	04B		LXAIFO	00	=		
XA240	TQ2	A3	02A		(09)	01		LXAIEA SPI0172 / 03 02A 07 03A	
XA245	DCF	C5	31B		LXAINDX	00	=	TAINAB BUSS	
XA245	DCF	C5	29A		(60)	01		LXAOEA / 52 29A	
XA245	DCF	C6	31A		LXAINOX	00	=		
XA245	DCF	C6	30A		(57)	01		LXDBIO / 54 30A	
					LXAPCB4	00	=		
XA242	TLD	C1	18A		( )	01		LXAPCD / 38 18A	PORT A/B PARITY LINE BUS
XA241	TLD	C1	18A		( )	02	+	LXBPCD / 38 18A	PORT A/B PARITY LINE BUS

8-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX LXAPCD
PAGE 91

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA242	TLD	C1	18	A	LXAPCD	00	=		LXAPCB4 BUSS
XA242	TLD	C1	19	A	(38)	01		LXAIFO LXAPCOX 40 19A 42 20A	
XA245	DCF	C7	25	A	LXAPCDX	00	=		TAOPAR BUSS
XA245	DCF	C7	29	A	(43)	01		LXAOEA 52 29A	
XA245	DCF	C8	26	A	LXAPCOX	00	=		
XA245	DCF	C8	28	A	(48)	01		LXDSBPR 50 28A	
XA238	TD4	E1	31	B	LXARQA	00	=		
XA238	TD4	E1	32	B	(59)	01		LXASLOX LXINHR DEVINH LXXROQ 61 32B 66 31A 68 32A 70 33A	
XA228	TQ2	E1	31	A	LXARQO	00	=		PORT A REQUEST
XA228	TQ2	E1	32	A	(66)	01		LXARQA SPIO152 68 32A 70 33A	
XA233	TT3	B1	11	A	LXARSA	00	=		PORT A IOU RESET
XA233	TT3	B1	12	A	(20)	01		LXACMOX LXAENOX LXASLOX 22 12A 24 13A 26 14A	
XA242	TLD	D1	24	A	LXAR6D1	00	=		PORT A REQUEST EVN
XA242	TLD	D1	25	A	(52)	01		TXADE04 LXARQO 54 25A 56 26A	
XA242	TLD	D2	21	A	LXAR7D1	00	=		PORT B REQUEST ODD
XA242	TLD	D2	22	A	(46)	01		LXADEA LXARQO 48 22A 50 23A	
XA239	TQ2	B1	12	A	LXASLA	00	=		PORT A SELECT
XA239	TQ2	B1	13	A	(22)	01		LXASLOX SPIO172 24 13A 26 14A	
XA244	DCF	D1	32	B	LXASLDX	00	=		PORT A SELECT RECEIVER
XA244	DCF	D1	36	A	(65)	01		SPIO182 72 36A	
XA244	DCF	D2	33	B	LXASLOX	00	=		
XA244	DCF	D2	34	B	(69)	01		SPIO192 71 34B	
XA245	DCF	D1	32	B	LXASTDX4	00	=		PORT A STATUS DRIVER
XA245	DCF	D1	36	A	(65)	01		LXGN1A 72 36A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	**DRAWING NUMBER** **UNIT ASSEMBLY NAME**	149016-860 CARD CAGE ASSY,A,IFCU		**LOGIC**	**UNIT ASSEMBLY NO.** 149016 **FILE IDENT** T39CIFC6		**REV.** E **DATE** 09-03-82	**INDEX** LXASTOX **PAGE** 92

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA245	DCF	D2	33B		LXASTOX	00	=		
XA245	DCF	D2	34B		(69)	01		LXASLOX 71 34B	
					LXA0CB4	00	=		
XA242	TLD	A1	05A		( )	01		LXA0CD 06 05A	PORT A/B DATA LINE0 BUS
XA241	TLD	A1	05A		( )	02	+	LXB0CD 06 05A	PORT A/B DATA LINE0 BUS
XA242	TLD	A1	05A		LXA0CD	00	=		LXA0CB4 BUSS
XA242	TLD	A1	06A		(06)	01		LXAIE0 LXA0COX 08 06A 10 07A	
XA245	DCF	A1	02B		LXA0CDX	00	=		TA00AB BUSS
XA245	DCF	A1	05A		(07)	01		LXA0EA 06 05A	
XA245	DCF	A2	03B		LXA0COX	00	=		
XA245	DCF	A2	04B		(09)	01		LXS031U 11 04B	
XA238	TD4	A1	05B		LXA0EA	00	=		PORT A DATA SEND ENABLE
XA238	TD4	A1	05A		(11)	01		LXASLOX LXINHR DEVINH LXXCSO 06 05A 08 06A 10 07A 13 06B	
					LXA1CB4	00	=		
XA242	TLD	A2	02B		( )	01		LXA1CD 01 02B	
XA241	TLD	A2	02B		( )	02	+	LXB1CD 01 02B	
XA242	TLD	A2	02B		LXA1CD	00	=		LXA1CB4 BUSS
XA242	TLD	A2	04A		(01)	01		LXA1E0 LXA1COX 04 04A 05 03B	
XA245	DCF	A3	07B		LXA1CDX	00	=		TA01AB BUSS
XA245	DCF	A3	05A		(17)	01		LXA0EA 06 05A	
XA245	DCF	A4	06B		LXA1COX	00	=		
XA245	DCF	A4	05B		(15)	01		LXS032U 13 05B	
					LXA2CB4	00	=		
XA242	TLD	A3	04B		( )	01		LXA2CD 09 04B	
XA241	TLD	A3	04B		( )	02	+	LXB2CD 09 04B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU		LOGIC		UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6		REV. E DATE 09-03-82	INDEX LXA2CD PAGE 93

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA242	TLD	A3	04	B	LXA2CD	00	=		LXA2CB4 BUSS
XA242	TLD	A3	02	A	(09)	01		LXAIEO LXA2COX 03 02A 07 03A	
XA245	DCF	A5	08	B	LXA2CDX	00	=		TA02AB BUSS
XA245	DCF	A5	05	A	(14)	01		LXA0EA 06 05A	
XA245	DCF	A6	07	A	LXA2COX	00	=		
XA245	DCF	A6	06	A	(10)	01		LXS033U 08 06A	
					LXA3CB4	00	=		
XA242	TLD	A4	07	B	( )	01		LXA3CD 15 07B	
XA241	TLD	A4	07	B	( )	02	+	LXB3CD 15 07B	
XA242	TLD	A4	07	B	LXA3CD	00	=		LXA3CB4 BUSS
XA242	TLD	A4	05	B	(15)	01		LXAIEO LXA3COX 11 05B 13 06B	
XA245	DCF	A7	02	A	LXA3CDX	00	=		TA03AB BUSS
XA245	DCF	A7	05	A	(01)	01		LXA0EA 06 05A	
XA245	DCF	A8	03	A	LXA3COX	00	=		
XA245	DCF	A8	04	A	(03)	01		LXS034U 04 04A	
					LXA4CB4	00	=		
XA242	TLD	B1	12	A	( )	01		LXA4CD 22 12A	
XA241	TLD	B1	12	A	( )	02	+	LXB4CD 22 12A	
XA242	TLD	B1	12	A	LXA4CD	00	=		LXA4CB4 BUSS
XA242	TLD	B1	13	A	(22)	01		LXAIEO LXA4COX 24 13A 26 14A	
XA245	DCF	B1	10	B	LXA4CDX	00	=		TA04AB BUSS
XA245	DCF	B1	13	A	(27)	01		LXA0EA 36 13A	
XA245	DCF	B2	11	B	LXA4COX	00	=		
XA245	DCF	B2	12	B	(29)	01		LXS471U 31 12B	

3-2880-1

	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO. 149016	REV. E	INDEX LXA5CB4
DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC. / LITTON INDUSTRIES	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 94

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG- NATOR	FACTOR			COMMENT
					LXA5CB4	00	=				
XA242	TLD	B2	09A		( )	01		LXA5CD 14 09A			
XA241	TLD	B2	09A		( )	02	+	LXB5CD 14 09A			
XA242	TLD	B2	09A		LXA5CD	00	=			LXA5CB4 BUSS	
XA242	TLD	B2	10A		(14)	01		LXAIEO LXA5COX 18 10A 20 11A			
XA245	DCF	B3	15B		LXA5CDX	00	=			TA05AB BUSS	
XA245	DCF	B3	13A		(37)	01		LXAOEA 36 13A			
XA245	DCF	B4	14B		LXA5COX	00	=				
XA245	DCF	B4	13B		(35)	01		LXS472U 33 13B			
					LXA6CB4	00	=				
XA242	TLD	B3	10B		( )	01		LXA6CD 21 10B			
XA241	TLD	B3	10B		( )	02	+	LXB6CD 21 10B			
XA242	TLD	B3	10B		LXA6CD	00	=			LXA6CB4 BUSS	
XA242	TLD	B3	08B		(21)	01		LXAIEO LXA6COX 17 08B 19 09B			
XA245	DCF	B5	16A		LXA6CDX	00	=			TA06AB BUSS	
XA245	DCF	B5	13A		(41)	01		LXAOEA 36 13A			
XA245	DCF	B6	15A		LXA6COX	00	=				
XA245	DCF	B6	14A		(40)	01		LXS473U 38 14A			
					LXA7CB4	00	=				
XA242	TLD	B4	13B		( )	01		LXA7CD 27 13B			PORT A/B DATA LINE7 BUS
XA241	TLD	B4	13B		( )	02	+	LXB7CD 27 13B			PORT A/B DATA LINE7 BUS
XA242	TLD	B4	13B		LXA7CD	00	=			LXA7CB4 BUSS	
XA242	TLD	B4	11B		(27)	01		LXAIEO LXA7COX 23 11B 25 12B			
XA245	DCF	B7	10A		LXA7CDX	00	=			TA07AB BUSS	
XA245	DCF	B7	13A		(23)	01		LXAOEA 36 13A			

3-2880-1

| | | | DRAWING NUMBER | 149016-860 | | | | LOGIC | | UNIT ASSEMBLY NO. | 149016 | | REV. E | | INDEX | LXA7COX |
| DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | | | UNIT ASSEMBLY NAME | CARD CAGE ASSY,A,IFCU | | | | | | FILE IDENT | T39CIFC6 | | DATE | 09-03-82 | PAGE | 95 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG- NATOR	FACTOR	COMMENT
XA245	DCF	B8	11	A	LXA7COX	00	=		
XA245	DCF	B8	12	A	(30)	01		LXS474U 34 12A	
XA241	TLD	C2	15	A	LXBCMD	00	=		LXACMB4 BUSS
XA241	TLD	C2	16	A	(30)	01		LXBIFO LXBCMOX 34 16A 36 17A	
XA244	DCF	C1	25	B	LXBCMDX	00	=		TACMBB BUSS
XA244	DCF	C1	29	A	(46)	01		LXBOEA 52 29A	
XA244	DCF	C2	26	B	LXBCMOX	00	=		
XA244	DCF	C2	27	B	(47)	01		LXGN1A 49 27B	
XA241	TLD	C3	16	B	LXBEND	00	=		LXAENB4 BUSS
XA241	TLD	C3	14	B	(33)	01		LXBIFO LXBENOX 29 14B 31 15B	
XA244	DCF	C3	30	B	LXBENDX	00	=		TAENBB BUSS
XA244	DCF	C3	29	A	(55)	01		LXBOEA 52 29A	
XA244	DCF	C4	29	B	LXBENOX	00	=		
XA244	DCF	C4	28	B	(56)	01		LXGN1A 51 28B	
XA239	TQ2	A2	02	B	LXBIEA	00	=		
XA239	TQ2	A2	04	A	(01)	01		LXBSLOX LXXDRA 04 04A 05 03B	
XA240	TQ2	A4	07	B	LXBIEO	00	=		PORT B DATA RECEIVE ENABLE
XA240	TQ2	A4	05	B	(15)	01		LXBIEA SPIO172 11 05B 13 06B	
XA240	TQ2	B1	12	A	LXBIFO	00	=		
XA240	TQ2	B1	13	A	(22)	01		LXBIEA SPIO172 24 13A 26 14A	
XA244	DCF	C5	31	B	LXBINDX	00	=		TAINBB BUSS
XA244	DCF	C5	29	A	(60)	01		LXBOEA 52 29A	
XA244	DCF	C6	31	A	LXBINOX	00	=		
XA244	DCF	C6	30	A	(57)	01		LXDBIO 54 30A	

3-2880-1

| | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | DRAWING NUMBER UNIT ASSEMBLY NAME | 149016-860 CARD CAGE ASSY,A,IFCU | | LOGIC | | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | | REV. E DATE 09-03-82 | INDEX LXBPCD PAGE 96 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA241	TLD	C1	18A		LXBPCD	00	=		LXAPCB4 BUSS
XA241	TLD	C1		19A	(38)	01		LXBIFO LXBPCOX 40 19A 42 20A	
XA244	DCF	C7	25A		LXBPCDX	00	=		TAOPBB BUSS
XA244	DCF	C7		29A	(43)	01		LXBOEA 52 29A	
XA244	DCF	C8	26A		LXBPCOX	00	=		
XA244	DCF	C8		28A	(48)	01		LXDSBPR 50 28A	
XA238	TD4	E2	30B		LXBRQA	00	=		
XA238	TD4	E2		29B	(57)	01		LXBSLOX LXINHR DEVINH LXXROQ 55 29B 60 28A 62 29A 64 30A	
XA228	TQ2	E2	28A		LXBRQO	00	=		PORT B REQUEST
XA228	TQ2	E2		29A	(60)	01		LXBRQA SPI0152 62 29A 64 30A	
XA233	TT3	B2	09B		LXBRSA	00	=		PORT B IOU RESET
XA233	TT3	B2		09A	(19)	01		LXBCMOX LXBENOX LXBSLOX 14 09A 17 08B 18 10A	
XA242	TLD	D3	24B		LXBR6D1	00	=		PORT B REQUEST EVN
XA242	TLD	D3		22B	(45)	01		TXADE04 LXBRQO 41 22B 43 23B	
XA242	TLD	D4	27B		LXBR7D1	00	=		PORT B REQUEST ODD
XA242	TLD	D4		25B	(51)	01		LXADEA LXBRQO 47 25B 49 26B	
XA239	TQ2	B2	09A		LXBSLA	00	=		PORT B SELECT
XA239	TQ2	B2		10A	(14)	01		LXBSLOX SPI0172 18 10A 20 11A	
XA244	DCF	D3	37B		LXBSLDX	00	=		
XA244	DCF	D3		36A	(78)	01		SPI0182 72 36A	
XA244	DCF	D4	36B		LXBSLOX	00	=		
XA244	DCF	D4		35B	(75)	01		SPI0042 73 35B	
XA245	DCF	D3	37B		LXBSTDX4	00	=		
XA245	DCF	D3		36A	(78)	01		LXGN1A 72 36A	

3-2880-1

| | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | | LOGIC | | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX LXBSTOX PAGE 97 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA245	DCF	D4	36	B	LXBSTOX	00	=		
XA245	DCF	D4	35	B	(75)	01		LXBSLOX 73 35B	
XA241	TLD	A1	05	A	LXB0CD	00	=		~~LXA0CB4 BUSS~~
XA241	TLD	A1	06	A	(06)	01		LXBIE0 LXB0COX 08 06A 10 07A	
XA244	DCF	A1	02	B	LXB0CDX	00	=		~~TA00BB BUSS~~
XA244	DCF	A1	05	A	(07)	01		LXB0EA 06 05A	
XA244	DCF	A2	03	B	LXB0COX	00	=		
XA244	DCF	A2	04	B	(09)	01		LXS031U 11 04B	
XA238	TD4	A2	04	B	LXB0EA	00	=		~~PORT B DATA SEND ENABLE~~
XA238	TD4	A2	02	B	(09)	01		LXBSLOX LXINHR DEVINH LXXCSO 01 02B 04 04A 05 03B 07 03A	
XA241	TLD	A2	02	B	LXB1CD	00	=		~~LXA1CB4 BUSS~~
XA241	TLD	A2	04	A	(01)	01		LXBIE0 LXB1COX 04 04A 05 03B	
XA244	DCF	A3	07	B	LXB1CDX	00	=		~~TA01BB BUSS~~
XA244	DCF	A3	05	A	(17)	01		LXB0EA 06 05A	
XA244	DCF	A4	06	B	LXB1COX	00	=		
XA244	DCF	A4	05	B	(15)	01		LXS032U 13 05B	
XA241	TLD	A3	04	B	LXB2CD	00	=		~~LXA2CB4 BUSS~~
XA241	TLD	A3	02	A	(09)	01		LXBIE0 LXB2COX 03 02A 07 03A	
XA244	DCF	A5	08	B	LXB2CDX	00	=		~~TA02BB BUSS~~
XA244	DCF	A5	05	A	(14)	01		LXB0EA 06 05A	
XA244	DCF	A6	07	A	LXB2COX	00	=		
XA244	DCF	A6	06	A	(10)	01		LXS033U 08 06A	
XA241	TLD	A4	07	B	LXB3CD	00	=		~~LXA3CB4 BUSS~~
XA241	TLD	A4	05	B	(15)	01		LXBIE0 LXB3COX 11 05B 13 06B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX LXB3CDX
PAGE 98

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA244	DCF	A7	02A		LXB3CDX	00	=	TA03BB BUSS	
XA244	DCF	A7	05A		(01)	01		LXB0EA 06 05A	
XA244	DCF	A8	03A		LXB3COX	00	=		
XA244	DCF	A8	04A		(03)	01		LXS034U 04 .04A	
XA241	TLD	B1	12A		LXB4CD	00	=	LXA4CB4 BUSS	
XA241	TLD	B1	13A		(22)	01		LXB1EO LXB4COX 24 13A 26 14A	
XA244	DCF	B1	10B		LXB4CDX	00	=	TA04BB BUSS	
XA244	DCF	B1	13A		(27)	01		LXB0EA 36 13A	
XA244	DCF	B2	11B		LXB4COX	00	=		
XA244	DCF	B2	12B		(29)	01		LXS471U 31 12B	
XA241	TLD	B2	09A		LXB5CD	00	=	LXA5CB4 BUSS	
XA241	TLD	B2	10A		(14)	01		LXB1EO LXB5COX 18 10A 20 11A	
XA244	DCF	B3	15B		LXB5CDX	00	=	TA05BB BUSS	
XA244	DCF	B3	13A		(37)	01		LXB0EA 36 13A	
XA244	DCF	B4	14B		LXB5COX	00	=		
XA244	DCF	B4	13B		(35)	01		LXS472U 33 13B	
XA241	TLD	B3	10B		LXB6CD	00	=	LXA6CB4 BUSS	
XA241	TLD	B3	08B		(21)	01		LXB1EO LXB6COX 17 08B 19 09B	
XA244	DCF	B5	16A		LXB6CDX	00	=	TA06BB BUSS	
XA244	DCF	B5	13A		(41)	01		LXB0EA 36 13A	
XA244	DCF	B6	15A		LXB6COX	00	=		
XA244	DCF	B6	14A		(40)	01		LXS473U 38 14A	
XA241	TLD	B4	13B		LXB7CD	00	=	LXA7CB4 BUSS	
XA241	TLD	B4	11B		(27)	01		LXB1EO LXB7COX 23 11B 25 12B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU			LOGIC	UNIT ASSEMBLY NO. 149016 REV. E INDEX LXB7CDX FILE IDENT T39CIFC6 DATE 09-03-82 PAGE 99		

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA244	DCF	B7	10A	LXB7CDX	00	=		TA07BB BUSS
XA244	DCF	B7	13A	(23)	01		LXB0EA 36 13A	
XA244	DCF	B8	11A	LXB7CDX	00	=		
XA244	DCF	B8	12A	(30)	01		LXS474U 34 12A	
XA238	TD4	F1	37A	LXCAOA	00	=		SET COMMAND ADDRESS F/F
XA238	TD4	F1	37B	(76)	01		LXADRO LXRCMS LXX050 LXROPA 75 37B 77 38B 78 38A 79 39B	
XA232	TS8	A1	05B	LXCA1A	00	=		DEV CMND BYTE 1 COMMON TERMS
XA232	TS8	A1	02B	(11)	01		LXCMAS LXXB10 LXXAOP LXXA1Q LXRPCS LXROCS LXR1CR LXR2CR 01 02B 04 04A 05 03B 06 05A 07 03A 08 06A 10 07A 13 06B	
XA236	TQ2	B4	13B	LXCA10	00	=		
XA236	TQ2	B4	11B	(27)	01		LXCA1A SPI0162 23 11B 25 12B	
XA238	TD4	B1	11B	LXCMAR	00	=		
XA238	TD4	B1	12A	(23)	01		LXCMAS LXX04A LXXB2A LXRSOB 22 12A 24 13A 25 12B 26 14A	
XA236	TQ2	B1	12A	LXCMAS	00	=		COMAND ADDRESS F/F
XA236	TQ2	B1	13A	(22)	01		LXCMAR LXCAOA 24 13A 26 14A	
XA228	TQ2	A2	02B	LXCP00	00	=		LXCP18 BUSS
XA228	TQ2	A2	04A	(01)	01		LXCP1A SPI0142 04 04A 05 03B	
XA227	TQ2	A4	07B	LXCP1A	00	=		PHASE 1 OF 2 PHASECLOCK
XA227	TQ2	A4	05B	(15)	01		LX1MAP LX1MBQ 11 05B 13 06B	
				LXCP1B	00	=	.	
XA228	TQ2	A3	04B	( )	01		LXCP10 LXCP20 LXCP00 09 04B 15 07B 01 02B	CLOCK PHASE 1 BUS
XA228	TQ2	A3	04B	LXCP10	00	=		LXCP1B BUSS
XA228	TQ2	A3	02A	(09)	01		LXCP1A SPI0142 03 02A 07 03A	
XA228	TQ2	A4	07B	LXCP20	00	=		LXCP1B BUSS
XA228	TQ2	A4	05B	(15)	01		LXCP1A SPI0142 11 05B 13 06B	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO.	149016	REV. E	INDEX	LXCP3A
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	100

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG- NATOR	FACTOR	COMMENT
XA228	TQ2	B2	09	A	LXCP3A	00	=		PHASE 3 OF 2 PHASECLOCK
XA228	TQ2	B2	10	A	(14)	01		LX1MAQ LX1MBP 18 10A 20 11A	
					LXCP3B	00	=		
XA227	TQ2	A2	02	B	( )	01		LXCP30 LXCP40 01 02B 09 04B	CLOCK PHASE 3 BUS
XA227	TQ2	A2	02	B	LXCP30	00	=		LXCP3B BUSS
XA227	TQ2	A2	04	A	(01)	01		LXCP3A SPI0142 04 04A 05 03B	
XA227	TQ2	A3	04	B	LXCP40	00	=		LXCP3B BUSS
XA227	TQ2	A3	02	A	(09)	01		LXCP3A SPI0142 03 02A 07 03A	
XA233	TT3	E3	33	B	LXDBIO	00	=		INPUT INDICATOR CONTROL
XA233	TT3	E3	30	B	(63)	01		LXXCIP LXXDIP LXXDSP 57 30B 59 31B 61 32B	
XA223	TQ2	F2	34	A	LXDBSO	00	=		INPUT MUX STATUS SELECT
XA223	TQ2	F2	36	A	(72)	01		LXXDIP LXXDSP 71 36A 73 36B	
XA219	MUX	D1	27	B	LXDB0TA	00	=		INPUT DATA MUX BITS 0-1-2-3
XA219	MUX	D1	25	B	(55)	01		LD00BQ LXGN1A LXXCIQ LXDBSO 51 25B 53 26B 52 25A 49 24B	
XA219	MUX	D2	31	B	LXDB0TB	00	=		
XA219	MUX	D2	29	B	(61)	01		LD01BQ LXGN2A 57 29B 59 30B	
XA219	MUX	D3	28	A	LXDB0TC	00	=		
XA219	MUX	D3	26	A	(60)	01		LD02BQ LXGN3A 54 26A 56 28B	
XA219	MUX	D4	31	A	LXDB0TD	00	=		
XA219	MUX	D4	29	A	(63)	01		LD03BQ LPRT0Q 62 29A 64 30A	
XA219	MUX	E1	34	B	LXDB4TA	00	=		INPUT DATA MUX BITS 4-5-6-7
XA219	MUX	E1	32	A	(73)	01		LD04BQ LPFLTQ LXXCIQ LXDBSO 69 32A 71 33B 68 33A 66 32B	
XA219	MUX	E2	37	B	LXDB4TB	00	=		
XA219	MUX	E2	35	B	(79)	01		LD05BQ LCDERQ 75 35B 77 36B	

3-2880-1
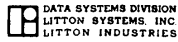
| | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES | DRAWING NUMBER | 149016-860 | | LOGIC | | UNIT ASSEMBLY NO. | 149016 | REV. E | INDEX | LXDB4TC |
| | | UNIT ASSEMBLY NAME | CARD CAGE ASSY,A,IFCU | | | | FILE IDENT | T39CIFC6 | DATE 09-03-82 | PAGE | 101 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA219	MUX	E3	36	A	LXDB4TC	00	=		
XA219	MUX	E3	34	A	(74)	01		LDO6BQ LAOENS 70 34A 72 35A	
XA219	MUX	E4	38	B	LXDB4TD	00	=		
XA219	MUX	E4	37	A	(80)	01		LDO7BQ LPBZYO 76 37A 78 38A	
XA228	TQ2	C1	18	A	LXDEVA	00	=		
XA228	TQ2	C1	19	A	(38)	01		LXR3CS SPIO152 40 19A 42 20A	
XA238	TD4	C2	16	B	LXDEVR	00	=		
XA238	TD4	C2	15	A	(33)	01		LXDEVS LXXBOA LXXB3A LXRSOB 30 15A 31 15B 34 16A 36 17A	
XA236	TQ2	C2	15	A	LXDEVS	00	=		DEVICE COMMAND F/FMAYBE BSY
XA236	TQ2	C2	16	A	(30)	01		LXDEVR LXDVOA 34 16A 36 17A	
XA227	TQ2	B1	12	A	LXDEVO	00	=		
XA227	TQ2	B1	13	A	(22)	01		LXDEVA SPIO142 24 13A 26 14A	
XA226	TD4	A2	04	B	LXDPEA	00	=		AUTO OUTPUT COMND PARITY ER
XA226	TD4	A2	02	B	(09)	01		LPRNTQ LXENAS LXROPPR LXXA50 01 02B 04 04A 05 03B 07 03A	
XA237	PAR	A1	07	A	LXDSBPR	00	=		
XA237	PAR	A1	03	B	(13)	01		LXS031U LXS032U LXS033U LXS034U LXS471U LXS472U LXS473U LXS474U 03 03B 05 04B 07 05B 09 06B 10 05A 08 04A 06 03A 04 02A	
XA237	PAR	A1	07	B	( )	02	+	LXXCIQ 11 07B	
XA228	TQ2	C2	15	A	LXDVCO	00	=		
XA228	TQ2	C2	16	A	(30)	01		LXRO90T SPIO152 34 16A 36 17A	
XA238	TD4	C1	17	B	LXDVSR	00	=		
XA238	TD4	C1	18	B	(35)	01		LXDVSS LXXBOA LXXB3A LXRSOB 37 18B 38 18A 40 19A 42 20A	·
XA236	TQ2	C1	18	A	LXDVSS	00	=		DEVICE COMMAND F/FNO BUSY
XA236	TQ2	C1	19	A	(38)	01		LXDVSR LXDV5A 40 19A 42 20A	
XA226	TD4	C1	17	B	LXDVOA	00	=		SET DEVICE COMMANDF/F
XA226	TD4	C1	18	B	(35)	01		LXCA10 LXDEVO LXDVCO LBUSYA 37 18B 38 18A 40 19A 42 20A	

3-2880-1

| | | | | | | DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC.
LITTON INDUSTRIES | DRAWING NUMBER
UNIT ASSEMBLY NAME | 149016-860
CARD CAGE ASSY, A, IFCU | LOGIC | UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6 | REV. E
DATE 09-03-82 | INDEX LXDV1A
PAGE 102 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA232	TS8	C1	17B		LXDV1A	00	=		
XA232	TS8	C1	15A		(35)	01		LXDEVS LXXB20 LXXA0P LXXA1Q LXROPA SPIO032 SPIO132 SPIO152 30 15A 31 15B 34 16A 36 17A 37 18B 38 18A 40 19A 42 20A	
XA224	TQ2	F2	34A		LXDV10	00	=		DEV COMMAND DATA BYTE STROBE
XA224	TQ2	F2	36A		(72)	01		LXDV1A SPIO142 71 36A 73 36B	
XA233	TT3	A3	07B		LXDV5A	00	=		SET DEV COMND F/F NO BUSY
XA233	TT3	A3	04B		(15)	01		LXCA10 LXDEV0 LXDVC0 09 04B 11 05B 13 06B	
XA226	TD4	A1	05B		LXEA0A	00	=		SET ENABLE ADDRESSF/F
XA226	TD4	A1	05A		(11)	01		LXADR0 LXRENS LXX050 LXROPA 06 05A 08 06A 10 07A 13 06B	
XA224	TQ2	F4	39A		LXEA00	00	=		
XA224	TQ2	F4	37A		(80)	01		LXEA0A SPIO142 76 37A 78 38A	
XA233	TT3	C1	17A		LXEB0A	00	=		COMMAND IS EOB
XA233	TT3	C1	18A		(36)	01		LXCA10 LXE0B0 LXDEVA 38 18A 40 19A 42 20A	
					LXEB0I	00	=		
XA229	TDD	DI	10A		( )	01		LXGN1A 18 10A	
					LXEB0N	00	=		
XA229	TDD	DN	09A		( )	01		LXEB1A 14 09A	
XA229	TDD	DP	10B		LXEB0P	00	=		
XA229	TDD	DP	11A		(21)	01		LXRS0B 20 11A	
XA229	TDD	DQ	09B		LXEB0Q	00	=		EOB SYNC COUNTER BIT 0
XA229	TDD	DQ	08B		(19)	01		LXEB0A 17 08B	
XA228	TQ2	D3	24B		LXEB1A	00	=		
XA228	TQ2	D3	22B		(45)	01		LXEB1Q LXCP3B 41 22B 43 23B	
					LXEB1I	00	=		
XA231	TDD	DI	10A		( )	01		LXEB0Q 18 10A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS. INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX LXEB1N
PAGE 103

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM.	DESIGNATOR	FACTOR	COMMENT
					LXEB1N	00	=		
XA231	TDD	DN	09A		( )	01		LXCP1B 14 09A	
XA231	TDD	DP	10B		LXEB1P	00	=		
XA231	TDD	DP	11A		(21)	01		LXRS0B 20 11A	
XA231	TDD	DQ	09B		LXEB1Q	00	=		EOB SYNC COUNTER BIT 1
XA231	TDD	DQ	08B		(19)	01		SPI0132 17 08B	
XA226	TD4	B1	11B		LXED0A	00	=		AUTO OUTPUT DATA STROBE
XA226	TD4	B1	12A		(23)	01		LPRNTQ LXENAS LXXB10 LXXA50 22 12A 24 13A 25 12B 26 14A	
XA238	TD4	B2	10B		LXENAR	00	=		
XA238	TD4	B2	09A		(21)	01		LXENAS LXX04A LXXB2A LXRS0B 14 09A 18 10A 19 09B 20 11A	
XA236	TQ2	B3	10B		LXENAS	00	=		ENABLE ADDRESS F/F
XA236	TQ2	B3	08B		(21)	01		LXENAR LXEA0A 17 08B 19 09B	
XA228	TQ2	D1	24A		LXEOB0	00	=		
XA228	TQ2	D1	25A		(52)	01		LXR092T SPI0152 54 25A 56 26A	
XA239	TQ2	A3	04B		LXGN1A	00	=		SOFT GROUND
XA239	TQ2	A3	02A		(09)	01		SPI0132 SPI0172 03 02A 07 03A	
XA236	TQ2	C4	19B		LXGN2A	00	=		
XA236	TQ2	C4	17B		(39)	01		SPI0162 SPI0132 35 17B 37 18B	
XA227	TQ2	D4	27B		LXGN3A	00	=		
XA227	TQ2	D4	25B		(51)	01		SPI0132 SPI0142 47 25B 49 26B	
XA227	TQ2	D1	24A		LXHST0	00	=		
XA227	TQ2	D1	25A		(52)	01		LXR091T SPI0142 54 25A 56 26A	
XA233	TT3	C2	15B		LXHS0A	00	=		COMMAND IS STOP
XA233	TT3	C2	14B		(31)	01		LXCA10 LXHST0 LXDEVA 29 14B 30 15A 34 16A	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC		UNIT ASSEMBLY NO.	149016		REV. E		INDEX	LXINHR
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU			FILE IDENT	T39CIFC6		DATE 09-03-82		PAGE	104

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG- NATOR	FACTOR	COMMENT
XA236	TQ2	A4		07B	LXINHR	00	=		
XA236	TQ2	A4	05B		(15)	01		LXINHS LXINOA 11 05B 13 06B	
XA233	TT3	A2		03A	LXINHS	00	=		DATA SEND INHIBIT F/F
XA233	TT3	A2	02B		(07)	01		LXINHR LXRSOB LXONLO 01 02B 03 02A 05 03B	
XA233	TT3	D2		23B	LXINOA	00	=		
XA233	TT3	D2	22B		(43)	01		LXRSOB LXRCMS LXONLO 41 22B 46 21A 48 22A	
XA227	TQ2	C4		19B	LXIRCO	00	=		
XA227	TQ2	C4	17B		(39)	01		LXR094T SPIO142 35 17B 37 18B	
XA233	TT3	B3		13B	LXIROA	00	=		COMMAND IS ITR
XA233	TT3	B3	10B		(27)	01		LXCAIO LXIRCO LXDEVA 21 10B 23 11B 25 12B	
					LXIROI	00	=		
XA229	TDD	CI		13A	( )	01		LXGN1A 24 13A	
					LXIRON	00	=		
XA229	TDD	CN		14A	( )	01		LXIR1A 26 14A	
XA229	TDD	CP		11B	LXIROP	00	=		
XA229	TDD	CP	12A		(23)	01		LXRSOB 22 12A	
XA229	TDD	CQ		12B	LXIROQ	00	=		ITR SYNC COUNTER BIT 0
XA229	TDD	CQ	13B		(25)	01		LXIROA 27 13B	
XA228	TQ2	B4		13B	LXIR1A	00	=		
XA228	TQ2	B4	11B		(27)	01		LXIR1Q LXCP3B 23 11B 25 12B	
					LXIR1I	00	=		
XA230	TDD	DI		10A	( )	01		LXIROQ 18 10A	
					LXIR1N	00	=		
XA230	TDD	DN		09A	( )	01		LXCP1B 14 09A	

3-2880-1

104

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO. 149016	REV. E	INDEX LXIR1P
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 105

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA230	TDD	DP	10	B	LXIR1P	00	=		
XA230	TDD	DP	11	A	(21)	01		LXRS0B 20 11A	
XA230	TDD	DQ	09	B	LXIR1Q	00	=		ITR SYNC COUNTER BIT 1
XA230	TDD	DQ	08	B	(19)	01		SPI0132 17 08B	
XA239	TQ2	A4	07	B	LXPRSA	00	=		CAP PANEL RESET
XA239	TQ2	A4	05	B	(15)	01		LXPRS0X SPI0172 11 05B 13 06B	
XA244	DCF	D5	38	B	LXPRSDX	00	=		
XA244	DCF	D5	36	A	(80)	01		SPI0182 72 36A	
XA244	DCF	D6	38	A	LXPRS0X	00	=		
XA244	DCF	D6	37	A	(76)	01		SPI0062 74 37A	
XA235	DBC	A1	04	A	LXRAF0T	00	=		DATA BYTE DECODER A TO E
XA235	DBC	A1	02	A	(08)	01		LXR7CS 04 02A	
XA235	DBC	A2	05	A	LXRAF1T	00	=		
XA235	DBC	A2	03	A	(10)	01		LXR6CS 06 03A	
XA235	DBC	A3	06	A	LXRAF2T	00	=		
XA235	DBC	A3	02	B	(14)	01		LXR5CS 03 02B	
XA235	DBC	A4	07	A	LXRAF3T	00	=		
XA235	DBC	A4	03	B	(13)	01		LXR4CR 05 03B	
XA235	DBC	A5	08	B	LXRAF4T	00	≈		
XA235	DBC	A5			(17)	01		SPA 4T	
XA235	DBC	A6	04	B	LXRAF5T	00	≈		
XA235	DBC	A6			(07)	01		SPA 5T	
XA235	DBC	A7	05	B	LXRAF6T	00	≈		
XA235	DBC	A7			(09)	01		SPA 6T	
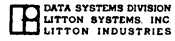
3-2880-1

| | DATA SYSTEMS DIVISION LITTON SYSTEMS. INC LITTON INDUSTRIES | DRAWING NUMBER UNIT ASSEMBLY NAME | 149016-860 CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX LXRAF7T PAGE 106 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA235	DBC	A8	06B		LXRAF7T	00	=		
XA235	DBC	A8			(11)	01		SPA 7T	
XA235	DBC	A9	07B		LXRAF8T	00	=		
XA235	DBC	A9			(15)	01		SPA 8T	
XA235	DBC	A0	09A		LXRAF9T	00	=		
XA235	DBC	A0			(18)	01		SPA 9T	
XA239	TQ2	C1	18A		LXRCMR	00	=		
XA239	TQ2	C1	19A		(38)	01		LXRCMS LXRRSA 40 19A 42 20A	
XA240	TQ2	C1	18A		LXRCMS	00	=		I/O INPUT REG COMMAND BIT
XA240	TQ2	C1	19A		(38)	01		LXRCMR LXACMB4 40 19A 42 20A	
XA239	TQ2	C2	15A		LXRENR	00	=		
XA239	TQ2	C2	16A		(30)	01		LXRENS LXRRSA 34 16A 36 17A	
XA240	TQ2	C2	15A		LXRENS	00	=		I/O INPUT REG ENABLE BIT
XA240	TQ2	C2	16A		(30)	01		LXRENR LXAENB4 34 16A 36 17A	
XA239	TQ2	C3	16B		LXRPCR	00	=		
XA239	TQ2	C3	14B		(33)	01		LXRPCS LXRRSA 29 14B 31 15B	
XA240	TQ2	C3	16B		LXRPCS	00	=		
XA240	TQ2	C3	14B		(33)	01		LXRPCR LXAPCB4 29 14B 31 15B	
XA227	TQ2	A1	05A		LXRRSA	00	=		RESET IOU INPUT REGISTER
XA227	TQ2	A1	06A		(06)	01		LXRRS0 SPI0142 08 06A 10 07A	
XA228	TQ2	A1	05A		LXRRS0	00	=		
XA228	TQ2	A1	06A		(06)	01		LXXA6A LXRS0B 08 06A 10 07A	
XA236	TQ2	A1	05A		LXRS0A	00	=		LXRS0B BUSS
XA236	TQ2	A1	06A		(06)	01		LXRS00 SPI0162 08 06A 10 07A	

3-2860-1

106

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER	149016-860		LOGIC	
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU			

UNIT ASSEMBLY NO. 149016   REV. E   INDEX LXRSOB
FILE IDENT T39CIFC6   DATE 09-03-82   PAGE 107

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIG- NATOR	FACTOR	COMMENT
				LXRSOB	00	=		
XA236	TQ2	A1	05 A	( )	01		LXRSOA LXRS1A LXRS2A	
							06 05A 01 02B 09 04B	
XA239	TQ2	B4	13 B	LXRS00	00	=		
XA239	TQ2	B4	11 B	(27)	01		LXST1A SPI0172	
							23 11B 25 12B	
XA236	TQ2	A2	02 B	LXRS1A	00	=		LXRSOB BUSS
XA236	TQ2	A2	04 A	(01)	01		LXRS00 SPI0162	
							04 04A 05 03B	
				LXRS1B	00	=		
XA227	TQ2	C1	18 A	( )	01		LXRS3A LXRS4A LXRS5A	MASTER RESET BUS 1
							38 18A 30 15A 33 16B	
XA236	TQ2	A3	04 B	LXRS2A	00	=		LXRSOB BUSS
XA236	TQ2	A3	02 A	(09)	01		LXRS00 SPI0162	
							03 02A 07 03A	
XA227	TQ2	C1	18 A	LXRS3A	00	=		LXRS1B BUSS
XA227	TQ2	C1	19 A	(38)	01		LXRS00 SPI0142	
							40 19A 42 20A	
XA227	TQ2	C2	15 A	LXRS4A	00	=		LXRS1B BUSS
XA227	TQ2	C2	16 A	(30)	01		LXRS00 SPI0142	
							34 16A 36 17A	
XA227	TQ2	C3	16 B	LXRS5A	00	=		LXRS1B BUSS
XA227	TQ2	C3	14 B	(33)	01		LXRS00 SPI0142	
							29 14B 31 15B	
XA239	TQ2	D1	24 A	LXROCR	00	=		
XA239	TQ2	D1	25 A	(52)	01		LXROCS LXRRSA	
							54 25A 56 26A	
XA240	TQ2	D1	24 A	LXROCS	00	=		
XA240	TQ2	D1	25 A	(52)	01		LXROCR LXAOCB4	
							54 25A 56 26A	
XA236	TQ2	F1	37 B	LXROPA	00	=		I/O INPUT REG PARITY ERROR
XA236	TQ2	F1	38 B	(75)	01		LXROPPR SPI0162	
							77 38B 79 39B	
XA237	PAR	B1	14 A	LXROPPR	00	=		
XA237	PAR	B1	09 B	(25)	01		LXROCS LXR1CS LXR2CS LXR3CS LXR4CS LXR5CS LXR6CS LXR7CS	
							17 09B 19 10B 21 11B 23 12B 24 12A 22 11A 20 10A 18 09A	
XA237	PAR	B1	13 B	( )	02	+	LXRPCS	
							27 13B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER UNIT ASSEMBLY NAME	149016-860 CARD CAGE ASSY,A,IFCU		LOGIC		UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX LXR090T PAGE 108

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA235	DBC	B1	12A		LXR090T	00	=		DATA BYTE DECODER 0 TO 9
XA235	DBC	B1	10A		(24)	01		LXR7CS 20 10A	
XA235	DBC	B2	13A		LXR091T	00	=		
XA235	DBC	B2	11A		(26)	01		LXR6CS 22 11A	
XA235	DBC	B3	14A		LXR092T	00	=		
XA235	DBC	B3	09B		(27)	01		LXR5CS 19 09B	
XA235	DBC	B4	15A		LXR093T	00	=		
XA235	DBC	B4	10B		(30)	01		LXR4CS 21 10B	
XA235	DBC	B5	16A		LXR094T	00	=		
XA235	DBC	B5			(33)	01		SPA 4T	
XA235	DBC	B6	11B		LXR095T	00	=		
XA235	DBC	B6			(23)	01		SPA 5T	
XA235	DBC	B7	12B		LXR096T	00	=		
XA235	DBC	B7			(25)	01		SPA 6T	
XA235	DBC	B8	13B		LXR097T	00	=		
XA235	DBC	B8			(29)	01		SPA 7T	
XA235	DBC	B9	14B		LXR098T	00	=		
XA235	DBC	B9			(31)	01		SPA 8T	
XA235	DBC	B0	15B		LXR099T	00	=		
XA235	DBC	B0			(34)	01		SPA 9T	
XA239	TQ2	D2	21A		LXR1CR	00	=		
XA239	TQ2	D2	22A		(46)	01		LXR1CS LXRRSA 48 22A 50 23A	
XA240	TQ2	D2	21A		LXR1CS	00	=		
XA240	TQ2	D2	22A		(46)	01		LXR1CR LXA1CB4 48 22A 50 23A	

3-2880-1

	DATA SYSTEMS DIVISION	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO. 149016	REV. E	INDEX LXR2CR
	LITTON SYSTEMS, INC. LITTON INDUSTRIES	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 109

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA239	TQ2	D3	24B		LXR2CR	00	=		
XA239	TQ2	D3	22B		(45)	01		LXR2CS LXRRSA 41 22B 43 23B	
XA240	TQ2	D3	24B		LXR2CS	00	=		
XA240	TQ2	D3	22B		(45)	01		LXR2CR LXA2CB4 41 22B 43 23B	
XA239	TQ2	D4	27B		LXR3CR	00	=		
XA239	TQ2	D4	25B		(51)	01		LXR3CS LXRRSA 47 25B 49 26B	
XA240	TQ2	D4	27B		LXR3CS	00	=		
XA240	TQ2	D4	25B		(51)	01		LXR3CR LXA3CB4 47 25B 49 26B	
XA239	TQ2	E1	31A		LXR4CR	00	=		
XA239	TQ2	E1	32A		(66)	01		LXR4CS LXRRSA 68 32A 70 33A	
XA240	TQ2	E1	31A		LXR4CS	00	=		
XA240	TQ2	E1	32A		(66)	01		LXR4CR LXA4CB4 68 32A 70 33A	
XA239	TQ2	E2	28A		LXR5CR	00	=		
XA239	TQ2	E2	29A		(60)	01		LXR5CS LXRRSA 62 29A 64 30A	
XA240	TQ2	E2	28A		LXR5CS	00	=		
XA240	TQ2	E2	29A		(60)	01		LXR5CR LXA5CB4 62 29A 64 30A	
XA239	TQ2	E3	30B		LXR6CR	00	=		
XA239	TQ2	E3	28B		(57)	01		LXR6CS LXRRSA 53 28B 55 29B	
XA240	TQ2	E3	30B		LXR6CS	00	=		
XA240	TQ2	E3	28B		(57)	01		LXR6CR LXA6CB4 53 28B 55 29B	
XA239	TQ2	E4	33B		LXR7CR	00	=		
XA239	TQ2	E4	31B		(63)	01		LXR7CS LXRRSA 59 31B 61 32B	
XA240	TQ2	E4	33B		LXR7CS	00	=		
XA240	TQ2	E4	31B		(63)	01		LXR7CR LXA7CB4 59 31B 61 32B	

3-2880-1

DATA SYSTEMS DIVISION **LITTON SYSTEMS, INC** **LITTON INDUSTRIES**	DRAWING NUMBER UNIT ASSEMBLY NAME	149016-860 CARD CAGE ASSY,A,IFCU				LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6		REV. E DATE 09-03-82	INDEX LXSKOA PAGE 110	

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR			COMMENT
XA223	TQ2	F3	35A		LXSKOA	00	=				
XA223	TQ2	F3	34B		(69)	01		LXXC2Q 65 34B	LXXC3P 74 35B		
XA228	TQ2	C4	19B		LXSKOO	00	=				I/O BUFFER REGISTER CLOCK
XA228	TQ2	C4	17B		(39)	01		LXSKOA 35 17B	SPIO152 37 18B		
XA228	TQ2	D2	21A		LXSSTO	00	=				
XA228	TQ2	D2	22A		(46)	01		LXR097T 48 22A	SPIO152 50 23A		
XA217	TS8	A1	05B		LXSSOA	00	=				SOFTWARE STOP COMMAND DECODE
XA217	TS8	A1	02B		(11)	01		LXDVSS 01 02B LXXB20 04 04A LXXAOP 05 03B LXXAIQ 06 05A LXSSTO 07 03A LXROPA 08 06A SPIO012 10 07A SPIO022 13 06B			
					LXSTOI	00	=				
XA229	TDD	EI	19A		( )	01		LXGN1A 40 19A			
					LXSTON	00	=				
XA229	TDD	EN	20A		( )	01		LXSTIA 42 20A			
XA229	TDD	EP	17B		LXSTOP	00	=				
XA229	TDD	EP	18A		(35)	01		SPIO152 38 18A			
XA229	TDD	EQ	18B		LXSTOQ	00	=				STOP SYNC COUNTER BIT 0
XA229	TDD	EQ	19B		(37)	01		LXST2A 39 19B			
XA224	TQ2	D3	24B		LXST1A	00	=				
XA224	TQ2	D3	22B		(45)	01		LXSTIQ 41 22B	LXCP3B 43 23B		
					LXST1I	00	=				
XA230	TDD	EI	19A		( )	01		LXSTOQ 40 19A			
					LXST1N	00	=				
XA230	TDD	EN	20A		( )	01		LXCP1B 42 20A			
XA230	TDD	EP	17B		LXST1P	00	=				
XA230	TDD	EP	18A		(35)	01		SPIO152 38 18A			

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER	149016-860	
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU	

LOGIC

UNIT ASSEMBLY NO.	149016
FILE IDENT	T39CIFC6

REV. E   INDEX LXST1Q
DATE 09-03-82   PAGE 111

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA230	TDD	EQ	18	B	LXST1Q	00	=		STOP SYNC COUNTER BIT 1
XA230	TDD	EQ	19	B	(37)	01		SPI0132 39 19B	
XA227	TQ2	D3	24	B	LXST2A	00	=		
XA227	TQ2	D3	22	B	(45)	01		LXST2Q SPI0142 41 22B 43 23B	
XA232	TS8	B1	11	B	LXST2Q	00	=		START MASTER RESETOR GATE
XA232	TS8	B1	09	A	(23)	01		LXHS0A LXSS0A LXARSA LXBRSA LXPRSA DEVINH SPI0132 SPI0152 14 09A 18 10A 19 09B 20 11A 22 12A 24 13A 25 12B 26 14A	
XA235	DBC	E1	34	A	LXS031U	00	=		
XA235	DBC	E1	33	B	(70)	01		LXDB0TA LXDB0TB LXDB0TC LXDB0TD LXGN1A 71 33B 73 34B 75 35B 77 36B 80 38B	
XA235	DBC	E2	35	A	LXS032U	00	=		
XA235	DBC	E2	32	A	(72)	01		LXSK00 69 32A	
XA235	DBC	E3	36	A	LXS033U	00	=		
XA235	DBC	E3	37	B	(74)	01		LXGN2A 79 37B	
XA235	DBC	E4	37	A	LXS034U	00	=		
XA235	DBC	E4	38	A	(76)	01		LXGN3A 78 38A	
XA235	DBC	E5	33	A	LXS035U	00	=		I/O BUFFER REG BITS 0-1-2-3
XA235	DBC	E5	32	B	(68)	01		SPI0162 66 32B	
XA234	DBC	E1	34	A	LXS471U	00	=		
XA234	DBC	E1	33	B	(70)	01		LXDB4TA LXDB4TB LXDB4TC LXDB4TD LXGN1A 71 33B 73 34B 75 35B 77 36B 80 38B	
XA234	DBC	E2	35	A	LXS472U	00	=		
XA234	DBC	E2	32	A	(72)	01		LXSK00 69 32A	
XA234	DBC	E3	36	A	LXS473U	00	=		
XA234	DBC	E3	37	B	(74)	01		LXGN2A 79 37B	
XA234	DBC	E4	37	A	LXS474U	00	=		
XA234	DBC	E4	38	A	(76)	01		LXGN3A 78 38A	

3-2880-1

| | | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | DRAWING NUMBER UNIT ASSEMBLY NAME | 149016-860 CARD CAGE ASSY,A,IFCU | LOGIC | | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX LXS475U PAGE 112 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA234	DBC	E5	33A		LXS475U	00	=		I/O BUFFER REG BITS 4-5-6-7
XA234	DBC	E5	32B		(68)	01		SPI0162 66 32B	
XA240	TQ2	C4	19B		LXXACA	00	=		
XA240	TQ2	C4	17B		(39)	01		LXXACO SPI0172 35 17B 37 18B	
					LXXACI	00	=		
XA229	TDD	AI	06A		( )	01		SPI0152 08 06A	
					LXXACN	00	=		
XA229	TDD	AN	07A		( )	01		LXXA3P 10 07A	
XA229	TDD	AP	05B		LXXACP	00	=		
XA229	TDD	AP	05A		(11)	01		LXXADA 06 05A	
XA229	TDD	AQ	06B		LXXACQ	00	=		I/O STATE COUNTER CONTROL F/F
XA229	TDD	AQ	07B		(13)	01		LXRSOB 15 07B	
XA232	TS8	D1	25B		LXXACO	00	=		
XA232	TS8	D1	23B		(47)	01		LXR0CR LXR1CR LXR2CR LXR3CR LXR4CR LXR5CR LXR6CR LXR7CR 43 23B 46 21A 48 22A 49 26B 50 23A 52 24A 54 25A 56 26A	
XA236	TQ2	F4	39A		LXXADA	00	=		START I/O STATE COUNTER
XA236	TQ2	F4	37A		(80)	01		LXXADO SPI0162 76 37A 78 38A	
XA238	TD4	D1	25B		LXXADO	00	=		
XA238	TD4	D1	26B		(47)	01		LXRCMR LXRENR LXRPCR LXXACA 49 26B 52 24A 54 25A 56 26A	
					LXXAOI	00	=		
XA230	TDD	AI	06A		( )	01		LXXA3P 08 06A	
					LXXAON	00	=		
XA230	TDD	AN	07A		( )	01		L16MHO 10 07A	
XA230	TDD	AP	05B		LXXAOP	00	=		
XA230	TDD	AP	05A		(11)	01		LXXACP 06 05A	
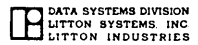
3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO. 149016		REV. E	INDEX LXXA0Q
	UNIT ASSEMBLY NAME	CARD CAGE ASSY, A, IFCU				FILE IDENT T39CIFC6		DATE 09-03-82	PAGE 113

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA230	TDD	AQ	06	B	LXXA0Q	00	=		I/O STATE COUNTER BIT 0
XA230	TDD	AQ	07	B	(13)	01		SPI0152 15 07B	
					LXXA1I	00	=		
XA231	TDD	AI	06	A	( )	01		LXXA0Q 08 06A	
					LXXA1N	00	=		
XA231	TDD	AN	07	A	( )	01		L16MH0 10 07A	
XA231	TDD	AP	05	B	LXXA1P	00	=		
XA231	TDD	AP	05	A	(11)	01		LXXACP 06 05A	
XA231	TDD	AQ	06	B	LXXA1Q	00	=		I/O STATE COUNTER BIT 1
XA231	TDD	AQ	07	B	(13)	01		SPI0152 15 07B	
					LXXA2I	00	=		
XA230	TDD	BI	03	B	( )	01		LXXA1Q 05 03B	
					LXXA2N	00	=		
XA230	TDD	BN	02	B	( )	01		L16MH0 01 02B	
XA230	TDD	BP	04	B	LXXA2P	00	=		
XA230	TDD	BP	04	A	(09)	01		LXXACP 04 04A	
XA230	TDD	BQ	03	A	LXXA2Q	00	=		I/O STATE COUNTER BIT 2
XA230	TDD	BQ	02	A	(07)	01		SPI0132 03 02A	
					LXXA3I	00	=		
XA231	TDD	BI	03	B	( )	01		LXXA2Q 05 03B	
					LXXA3N	00	=		
XA231	TDD	BN	02	B	( )	01		L16MH0 01 Q2B	
XA231	TDD	BP	04	B	LXXA3P	00	=		
XA231	TDD	BP	04	A	(09)	01		LXXACP 04 04A	

3-2880-1

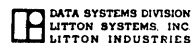|								
DATA SYSTEMS DIVISION LITTON SYSTEMS. INC. LITTON INDUSTRIES	DRAWING NUMBER 149016-860 CARD CAGE ASSY,A,IFCU UNIT ASSEMBLY NAME					LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82 INDEX LXXA3Q PAGE 114

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA231	TDD	BQ	03A		LXXA3Q	00	=		I/O STATE COUNTER BIT 3
XA231	TDD	BQ	02A		(07)	01		SPI0132 03 02A	
XA236	TQ2	E1	31A		LXXA4A	00	=		
XA236	TQ2	E1	32A		(66)	01		LXXA0Q LXXA3Q 68 32A 70 33A	
XA240	TQ2	F4	39A		LXXA40	00	=		I/O STATE COUNTER STATE 4
XA240	TQ2	F4	37A		(80)	01		LXXA4A SPI0172 76 37A 78 38A	
XA236	TQ2	E2	28A		LXXA5A	00	=		
XA236	TQ2	E2	29A		(60)	01		LXXA0P LXXA1Q 62 29A 64 30A	
XA239	TQ2	F1	37B		LXXA50	00	=		I/O STATE COUNTER STATE 5
XA239	TQ2	F1	38B		(75)	01		LXXA5A SPI0172 77 38B 79 39B	
XA236	TQ2	E3	30B		LXXA6A	00	=		I/O STATE COUNTER STATE 6
XA236	TQ2	E3	28B		(57)	01		LXXA1P LXXA2Q 53 28B 55 29B	
XA239	TQ2	C4	19B		LXXBCA	00	=		RESET I/O BYTE COUNTER
XA239	TQ2	C4	17B		(39)	01		LXXBC0 SPI0172 35 17B 37 18B	
XA233	TT3	D1	23A		LXXBC0	00	=		
XA233	TT3	D1	24A		(50)	01		LXRCMR LXRENR LXRS0B 52 24A 54 25A 56 26A	
XA228	TQ2	B1	12A		LXXBK0	00	=		I/O BYTE COUNTER CLOCK
XA228	TQ2	B1	13A		(22)	01		LXXA3Q SPI0152 24 13A 26 14A	
XA236	TQ2	D1	24A		LXXB0A	00	=		
XA236	TQ2	D1	25A		(52)	01		LXXB0P LXXB2P 54 25A 56 26A	
					LXXB0I	00	=		
XA229	TDD	BI	03B		( )	01		LXXB2P 05 03B	
					LXXB0N	00	=		
XA229	TDD	BN	02B		( )	01		LXXBK0 01 02B	

3-2880-1

114

| | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX LXXBOP PAGE 115 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA229	TDD	BP	04	B	LXXBOP	00	=		
XA229	TDD	BP	04	A	(09)	01		LXXBCA 04 04A	
XA229	TDD	BQ	03	A	LXXBOQ	00	=		I/O BYTE COUNTER BIT 0
XA229	TDD	BQ	02	A	(07)	01		SPI0132 03 02A	
XA240	TQ2	F1	37	B	LXXB00	00	=		I/O BYTE COUNTER STATE 0
XA240	TQ2	F1	38	B	(75)	01		LXXB0A SPI0172 77 38B 79 39B	
XA236	TQ2	D2	21	A	LXXB1A	00	=		
XA236	TQ2	D2	22	A	(46)	01		LXXB0Q LXXB1P 48 22A 50 23A	
					LXXB1I	00	=		
XA230	TDD	CI	13	A	( )	01		LXXB0Q 24 13A	
					LXXB1N	00	=		
XA230	TDD	CN	14	A	( )	01		LXXBKO 26 14A	
XA230	TDD	CP	11	B	LXXB1P	00	=		
XA230	TDD	CP	12	A	(23)	01		LXXBCA 22 12A	
XA230	TDD	CQ	12	B	LXXB1Q	00	=		I/O BYTE COUNTER BIT 1
XA230	TDD	CQ	13	B	(25)	01		SPI0152 27 13B	
XA240	TQ2	F2	34	A	LXXB10	00	=		I/O BYTE COUNTER STATE 1
XA240	TQ2	F2	36	A	(72)	01		LXXB1A SPI0172 71 36A 73 36B	
XA236	TQ2	D3	24	B	LXXB2A	00	=		
XA236	TQ2	D3	22	B	(45)	01		LXXB1Q LXXB2P 41 22B 43 23B	
					LXXB2I	00	=		
XA231	TDD	CI	13	A	( )	01		LXXB1Q 24 13A	
					LXXB2N	00	=		
XA231	TDD	CN	14	A	( )	01		LXXBKO 26 14A	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO. 149016	REV. E	INDEX LXXB2P
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 116

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA231	TDD	CP	11B		LXXB2P	00	=		
XA231	TDD	CP	12A		(23)	01		LXXBCA 22 12A	
XA231	TDD	CQ	12B		LXXB2Q	00	=		I/O BYTE COUNTER BIT 2
XA231	TDD	CQ	13B		(25)	01		SPI0152 27 13B	
XA240	TQ2	F3	35A		LXXB2O	00	=		I/O BYTE COUNTER STATE 2
XA240	TQ2	F3	34B		(69)	01		LXXB2A SPI0172 65 34B 74 35B	
XA236	TQ2	D4	27B		LXXB3A	00	=		I/O BYTE COUNTER STATE 3
XA236	TQ2	D4	25B		(51)	01		LXXB0Q LXXB2Q 47 25B 49 26B	
XA227	TQ2	F2	34A		LXXCIA	00	=		
XA227	TQ2	F2	36A		(72)	01		LXXCIO SPI0142 71 36A 73 36B	
					LXXCII	00	=		
XA221	TDD	LI	38B		( )	01		LXGN3A 77 38B	
					LXXCIN	00	=		
XA221	TDD	LN	39B		( )	01		LXXC4P 79 39B	
XA221	TDD	LP	37A		LXXCIP	00	=		
XA221	TDD	LP	37B		(76)	01		LXRSOB 75 37B	
XA221	TDD	LQ	38A		LXXCIQ	00	=		
XA221	TDD	LQ	39A		(78)	01		LXXCIA 80 39A	
XA225	TT3	F2	35B		LXXCIO	00	=		INDICATOR INPUT CONTROL
XA225	TT3	F2	34B		(74)	01		LSYNIA LXSSOA LXODOA 65 34B 71 36A 72 34A	
XA226	TD4	E1	31B		LXXCRO	00	=		IOU INPUT STROBE COUNTR RESET
XA226	TD4	E1	32B		(59)	01		LXXCIP LXXDDP LXXDIP LXXDSP 61 32B 66 31A 68 32A 70 33A	
XA223	TQ2	F4	39A		LXXCSA	00	=		IOU INPUT STROBE COUNT STROBE
XA223	TQ2	F4	37A		(80)	01		LXXC2Q LXXC4Q 76 37A 78 38A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860			LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX LXXCSO
	UNIT ASSEMBLY NAME	CARD CAGE ASSY, A, IFCU				FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE 117

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA227	TQ2	F4	39	A	LXXCSO	00	=		
XA227	TQ2	F4	37	A	(80)	01		LXXCSA SPI0142	
								76 37A 78 38A	
					LXXCOI	00	=		
XA231	TDD	GI	25	A	( )	01		LXXC4P	
								54 25A	
					LXXCON	00	=		
XA231	TDD	GN	26	A	( )	01		L16MIO	
								56 26A	
XA231	TDD	GP	25	B	LXXCOP	00	=		
XA231	TDD	GP	24	A	(47)	01		LXXCRO	
								52 24A	
XA231	TDD	GQ	26	B	LXXCOQ	00	=		IOU INPUT STROBE COUNT BIT 0
XA231	TDD	GQ	27	B	(49)	01		SPI0152	
								51 27B	
					LXXC1I	00	=		
XA230	TDD	GI	25	A	( )	01		LXXCOQ	
								54 25A	
					LXXC1N	00	=		
XA230	TDD	GN	26	A	( )	01		L16MIO	
								56 26A	
XA230	TDD	GP	25	B	LXXC1P	00	=		
XA230	TDD	GP	24	A	(47)	01		LXXCRO	
								52 24A	
XA230	TDD	GQ	26	B	LXXC1Q	00	=		
XA230	TDD	GQ	27	B	(49)	01		SPI0152	
								51 27B	
					LXXC2I	00	=		
XA231	TDD	HI	22	A	( )	01		LXXC1Q	
								48 22A	
					LXXC2N	00	=		
XA231	TDD	HN	21	A	( )	01		L16MIO	
								46 21A	
XA231	TDD	HP	24	B	LXXC2P	00	=		
XA231	TDD	HP	23	A	(45)	01		LXXCRO	
								50 23A	

3-2880-1

| | DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC.
LITTON INDUSTRIES | DRAWING NUMBER
UNIT ASSEMBLY NAME | 149016-860
CARD CAGE ASSY,A,IFCU | | LOGIC | | UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6 | REV. E
DATE 09-03-82 | INDEX LXXC2Q
PAGE 118 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA231	TDD	HQ	23	B	LXXC2Q	00	=		
XA231	TDD	HQ	22	B	(43)	01		SPI0132 41 22B	
					LXXC3I	00	=		
XA230	TDD	HI	22	A	( )	01		LXXC2Q 48 22A	
					LXXC3N	00	=		
XA230	TDD	HN	21	A	( )	01		L16MIO 46 21A	
XA230	TDD	HP	24	B	LXXC3P	00	=		
XA230	TDD	HP	23	A	(45)	01		LXXCRO 50 23A	
XA230	TDD	HQ	23	B	LXXC3Q	00	=		
XA230	TDD	HQ	22	B	(43)	01		SPI0132 41 22B	
					LXXC4I	00	=		
XA229	TDD	GI	25	A	( )	01		LXXC3Q 54 25A	
					LXXC4N	00	=		
XA229	TDD	GN	26	A	( )	01		L16MIO 56 26A	
XA229	TDD	GP	25	B	LXXC4P	00	=		
XA229	TDD	GP	24	A	(47)	01		LXXCRO 52 24A	
XA229	TDD	GQ	26	B	LXXC4Q	00	=		IOU INPUT STROBE COUNT BIT 4
XA229	TDD	GQ	27	B	(49)	01		SPI0152 51 27B	
					LXXDDI	00	=		
XA220	TDD	LI	38	B	( )	01		LXGN3A 77 38B	
					LXXDDN	00	=		
XA220	TDD	LN	39	B	( )	01		LXXC4P 79 39B	
XA220	TDD	LP	37	A	LXXDDP	00	=		
XA220	TDD	LP	37	B	(76)	01		LXRSOB 75 37B	

3-2880-1

118

| | | | | DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES | DRAWING NUMBER UNIT ASSEMBLY NAME | 149016-860 CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX LXXDDQ PAGE 119 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND / OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA220	TDD	LQ	38 A	LXXDDQ	00	=		IOU INPUT DATA CONTROL F/F
XA220	TDD	LQ	39 A	(78)	01		LLTEOA 80 39A	
XA227	TQ2	F3	35 A	LXXDIA	00	=		
XA227	TQ2	F3	34 B	(69)	01		LXXDIS LXEA00 65 34B 74 35B	
				LXXDII	00	=		
XA221	TDD	MI	36 A	( )	01		LXGN3A 71 36A	
				LXXDIN	00	=		
XA221	TDD	MN	34 A	( )	01		LXXC4P 72 34A	
XA221	TDD	MP	35 A	LXXDIP	00	=		
XA221	TDD	MP	36 B	(69)	01		LXRS0B 73 36B	
XA221	TDD	MQ	35 B	LXXDIQ	00	=		IOU INPUT INTERRUPT DATA F/F
XA221	TDD	MQ	34 B	(74)	01		LXXDIA 65 34B	
XA225	TT3	F3	39 A	LXXDIR	00	=		
XA225	TT3	F3	35 A	(80)	01		LXXDIS LXINHR LXXDIP 69 35A 76 37A 78 38A	
XA224	TQ2	F3	35 A	LXXDIS	00	=		INTERRUPT WAIT FORENABLE F/E
XA224	TQ2	F3	34 B	(69)	01		LXXDIR LINT2A 65 34B 74 35B	
XA240	TQ2	A1	05 A	LXXDRA	00	=		DATA RECEIVE INHIBIT IF SEND
XA240	TQ2	A1	06 A	(06)	01		LXXDRO SPI0172 08 06A 10 07A	
XA233	TT3	A1	04 A	LXXDRO	00	=		
XA233	TT3	A1	05 A	(04)	01		LXXDDP LXXDIP LXXDSP 06 05A 08 06A 10 07A	
				LXXDSI	00	=		
XA220	TDD	MI	36 A	( )	01		LXGN3A 71 36A	
				LXXDSN	00	=		
XA220	TDD	MN	34 A	( )	01		LXXC4P 72 34A	
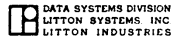
3-2880-1

| DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES | DRAWING NUMBER UNIT ASSEMBLY NAME | 149016-860 CARD CAGE ASSY,A,IFCU | | LOGIC | | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E // INDEX LXXDSP DATE 09-03-82 PAGE 120 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND / OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA220	TDD	MP	35A	LXXDSP	00	=		
XA220	TDD	MP	36B	(69)	01		LXRSOB 73 36B	
XA220	TDD	MQ	35B	LXXDSQ	00	=		IOU INPUT ITR DATAF/F
XA220	TDD	MQ	34B	(74)	01		LXIR1A 65 34B	
XA227	TQ2	F1	37B	LXXRCA	00	=		SET IOU REQUEST CONTROL F/F
XA227	TQ2	F1	38B	(75)	01		LXXRCO LXXREP 77 38B 79 39B	
				LXXRCI	00	=		
XA222	TDD	MI	36A	( )	01		LXGN3A 71 36A	
				LXXRCN	00	=		
XA222	TDD	MN	34A	( )	01		LXXR2P 72 34A	
XA222	TDD	MP	35A	LXXRCP	00	=		
XA222	TDD	MP	36B	(69)	01		LXRSOB 73 36B	
XA222	TDD	MQ	35B	LXXRCQ	00	=		IOU REQUEST CONTROL FF
XA222	TDD	MQ	34B	(74)	01		LXXRCA 65 34B	
XA233	TT3	E1	30A	LXXRCO	00	=		IOU REQUET OR GATE
XA233	TT3	E1	31A	(64)	01		LAEN1A LLPT1A LINT2A 66 31A 68 32A 70 33A	
				LXXREI	00	=		
XA222	TDD	LI	38B	( )	01		LXGN3A 77 38B	
				LXXREN	00	=		
XA222	TDD	LN	39B	( )	01		LXEAOA 79 39B	
XA222	TDD	LP	37A	LXXREP	00	=		
XA222	TDD	LP	37B	(76)	01		LXRSOB 75 37B	
XA222	TDD	LQ	38A	LXXREQ	00	=		IOU REQUEST ENABLEF/F
XA222	TDD	LQ	39A	(78)	01		LXXROP 80 39A	

3-2880-1

120

DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	LXXR0I
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	121

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					LXXR0I	00	=		
XA231	TDD	JI	32A		( )	01		LXXR2P 68 32A	
					LXXR0N	00	=		
XA231	TDD	JN	33A		( )	01		L16MH0 70 33A	
XA231	TDD	JP	31B		LXXR0P	00	=		
XA231	TDD	JP	31A		(59)	01		LXXRCQ 66 31A	
XA231	TDD	JQ	32B		LXXR0Q	00	=		IOU REQUEST COUNTER BIT 0
XA231	TDD	JQ	33B		(61)	01		SPI0152 63 33B	
					LXXR1I	00	=		
XA230	TDD	JI	32A		( )	01		LXXR0Q 68 32A	
					LXXR1N	00	=		
XA230	TDD	JN	33A		( )	01		L16MH0 70 33A	
XA230	TDD	JP	31B		LXXR1P	00	=		
XA230	TDD	JP	31A		(59)	01		LXXRCQ 66 31A	
XA230	TDD	JQ	32B		LXXR1Q	00	=		
XA230	TDD	JQ	33B		(61)	01		SPI0152 63 33B	
					LXXR2I	00	=		
XA229	TDD	JI	32A		( )	01		LXXR1Q 68 32A	
					LXXR2N	00	=		
XA229	TDD	JN	33A		( )	01		L16MH0 70 33A	
XA229	TDD	JP	31B		LXXR2P	00	=		
XA229	TDD	JP	31A		(59)	01		LXXRCQ 66 31A	
XA229	TDD	JQ	32B		LXXR2Q	00	=		IOU REQUEST COUNTER BIT 2
XA229	TDD	JQ	33B		(61)	01		SPI0152 63 33B	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO. 149016	REV. E	INDEX LXX04A
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 122

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS		EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
			AND	OR					
XA236	TQ2	B2	09A		LXX04A	00	=		
XA236	TQ2	B2	10A		(14)	01		LXXB00 LXXA40 18 10A 20 11A	
XA238	TD4	F2	35A		LXX05A	00	=		I/O STATE IS 5 I/OBYTE IS 0
XA238	TD4	F2	36A		(69)	01		LXXB0P LXXB2P LXXA0P LXXA1Q 71 36A 72 34A 73 36B 74 35B	
XA239	TQ2	F2	34A		LXX050	00	=		
XA239	TQ2	F2	36A		(72)	01		LXX05A SPI0172 71 36A 73 36B	
XA233	TT3	C3	19B		LX0DEA	00	=		OFR DATA PARITY ERROR
XA233	TT3	C3	16B		(39)	01		LX0FRS LXR0PPR LXXA50 33 16B 35 17B 37 18B	
XA224	TQ2	C4	19B		LX0DRA	00	=		OFR RESET
XA224	TQ2	C4	17B		(39)	01		LX0FRS LXXB10 35 17B 37 18B	
XA233	TT3	D3	27B		LX0D0A	00	=		OFR DATA STROBE
XA233	TT3	D3	24B		(51)	01		LX0FRS LXXB20 LXXA50 45 24B 47 25B 49 26B	
XA238	TD4	D2	24B		LX0FRR	00	=		
XA238	TD4	D2	23B		(45)	01		LX0FRS LXXB0A LXXB3A LXRS0B 43 23B 46 21A 48 22A 50 23A	
XA236	TQ2	C3	16B		LX0FRS	00	=		OFR COMMAND F/F
XA236	TQ2	C3	14B		(33)	01		LX0FRR LX0R0A 29 14B 31 15B	
XA228	TQ2	C3	16B		LX0FR0	00	=		
XA228	TQ2	C3	14B		(33)	01		LXR098T SPI0152 29 14B 31 15B	
XA228	TQ2	D4	27B		LX0NL0	00	=		ON LINE CONTROL
XA228	TQ2	D4	25B		(51)	01		LXASLA LXBSLA 47 25B 49 26B	
XA226	TD4	C2	16B		LX0R0A	00	=		COMMAND IS OFR
XA226	TD4	C2	15A		(33)	01		LXCA10 LXDEVA LX0FR0 LBUSYA 30 15A 31 15B 34 16A 36 17A	
					LX1MAI	00	=		
XA231	TDD	FI	16A		( )	01		LX1MBP 34 16A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES | DRAWING NUMBER 149016-860 | UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 | REV. E | INDEX LX1MAN | FILE IDENT T39CIFC6 | DATE 09-03-82 | PAGE 123

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					LX1MAN	00	=		
XA231	TDD	FN	15A		( )	01		L04MZO 30 15A	
XA231	TDD	FP	16B		LX1MAP	00	=		
XA231	TDD	FP	17A		(33)	01		SPI0132 36 17A	
XA231	TDD	FQ	15B		LX1MAQ	00	=		2 PHASE CLOCK BIT 0
XA231	TDD	FQ	14B		(31)	01		SPI0032 29 14B	
					LX1MBI	00	=		
XA230	TDD	FI	16A		( )	01		LX1MAQ 34 16A	
					LX1MBN	00	=		
XA230	TDD	FN	15A		( )	01		L04MZO 30 15A	
XA230	TDD	FP	16B		LX1MBP	00	=		
XA230	TDD	FP	17A		(33)	01		SPI0032 36 17A	
XA230	TDD	FQ	15B		LX1MBQ	00	=		2 PHASE CLOCK BIT1
XA230	TDD	FQ	14B		(31)	01		SPI0042 29 14B	
XA240	TQ2	B4	13B		L04MZO	00	=		4 MHZ RECEIVER
XA240	TQ2	B4	11B		(27)	01		T04MHK SPI0172 23 11B 25 12B	
XA227	TQ2	E1	31A		L16MHA	00	=		16 MHZ RECEIVER
XA227	TQ2	E1	32A		(66)	01		T16MHA SPI0142 68 32A 70 33A	
XA228	TQ2	E3	30B		L16MHO	00	=		
XA228	TQ2	E3	28B		(57)	01		L16MHA SPI0152 53 28B 55 29B	
XA228	TQ2	E4	33B		L16MIO	00	=		
XA228	TQ2	E4	31B		(63)	01		L16MHA SPI0152 59 31B 61 32B	
XA326	TD4	F2	35A		MAEBRA	00	=		RESET FOR F/F
XA326	TD4	F2	36A		(69)	01		MAE13Q MAE14P MAE02Q MAE03P 71 36A 72 34A 73 36B 74 35B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO.	149016		REV. E		INDEX	MAEBOA
	UNIT ASSEMBLY NAME	CARD CAGE ASSY, A, IFCU				FILE IDENT	T39CIFC6		DATE 09-03-82		PAGE	124

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG- NATOR	FACTOR	COMMENT
XA326	TD4	F1	37A		MAEBOA	00	=		SET EOB F/F
XA326	TD4	F1	37B		(76)	01		MPRNTQ MAOENS MXEB1Q MXCP3B 75 37B 77 38B 78 38A 79 39B	
XA323	TQ2	D2	21A		MAECPO	00	=		MAIN TIMING COUNTER 10US CLK
XA323	TQ2	D2	22A		(46)	01		MAEO4P SPI1014 48 22A 50 23A	
					MAENCI	00	=		
XA320	TDD	KI	29A		( )	01		SPI1002 62 29A	
					MAENCN	00	=		
XA320	TDD	KN	28A		( )	01		MAEI4Q 60 28A	
XA320	TDD	KP	30B		MAENCP	00	=		
XA320	TDD	KP	30A		(57)	01		MAEN5A 64 30A	
XA320	TDD	KQ	29B		MAENCQ	00	=		MAIN TIMING COUNT CONTROL F/F
XA320	TDD	KQ	28B		(55)	01		MXRSOB 53 28B	
XA326	TD4	D1	25B		MAENOA	00	=		START PRINT COMAND
XA326	TD4	D1	26B		(47)	01		MPRNTQ MSNC2S MBUSYS MXCP3B 49 26B 52 24A 54 25A 56 26A	
XA326	TD4	E2	30B		MAENOR	00	=		
XA326	TD4	E2	29B		(57)	01		MAENOS MAEN1A MAOENS MXRSOB 55 29B 60 28A 62 29A 64 30A	
XA325	TT3	E2	29B		MAENOS	00	=		PRINT COMMAND COUNTER BIT 0
XA325	TT3	E2	28B		(55)	01		MAENOR MAENOA MAEN2A 53 28B 60 28A 62 29A	
XA323	TQ2	C2	15A		MAEN1A	00	=		
XA323	TQ2	C2	16A		(30)	01		MAEN1S MXCP3B 34 16A 36 17A	
XA325	TT3	D2	23B		MAEN1R	00	=		
XA325	TT3	D2	22B		(43)	01		MAEN1S MAEN3A MXRSOB 41 22B 46 21A 48 22A	
XA324	TQ2	D2	21A		MAEN1S	00	=		PRINT COMMAND COUNTER BIT 1
XA324	TQ2	D2	22A		(46)	01		MAEN1R MAEN4A 48 22A 50 23A	

3-288Q-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES			DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU				LOGIC		UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6			REV. E DATE 09-03-82	INDEX MAEN2A PAGE 125	

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA317	TS8	D1	25	B	MAEN2A	00	=		
XA317	TS8	D1	23	B	(47)	01		MPRNTQ 43 23B MAOENS 46 21A MAE13Q 48 22A MAE14P 49 26B MAE03Q 50 23A MAE04P 52 24A MXCP3B 54 25A SPI1001 56 26A	
XA325	TT3	D3	27	B	MAEN2R	00	=		
XA325	TT3	D3	24	B	(51)	01		MAEN2S 45 24B MAEN5A 47 25B MXRSOB 49 26B	
XA333	TT3	E2	29	B	MAEN2S	00	=		PRINT COMMAND COUNTER BIT 2
XA333	TT3	E2	28	B	(55)	01		MAEN2R 53 28B MXEDOA 60 28A MPTOCA 62 29A	
XA323	TQ2	C3	16	B	MAEN3A	00	=		
XA323	TQ2	C3	14	B	(33)	01		MAENOR 29 14B MXCP1B 31 15B	
XA325	TT3	E1	30	A	MAEN3R	00	=		
XA325	TT3	E1	31	A	(64)	01		MAEN3S 66 31A MAEN7A 68 32A MXRSOB 70 33A	
XA324	TQ2	E1	31	A	MAEN3S	00	=		PRINT COMMAND COUNTER BIT 3
XA324	TQ2	E1	32	A	(66)	01		MAEN3R 68 32A MAEN6A 70 33A	
XA326	TD4	D2	24	B	MAEN4A	00	=		
XA326	TD4	D2	23	B	(45)	01		MAENOS 43 23B MDMNDQ 46 21A MPRTOP 48 22A MXCP1B 50 23A	
XA323	TQ2	E1	31	A	MAEN5A	00	=		
XA323	TQ2	E1	32	A	(66)	01		MAEN3S 68 32A MXCP3B 70 33A	
XA323	TQ2	D4	27	B	MAEN6A	00	=		
XA323	TQ2	D4	25	B	(51)	01		MAEN2S 47 25B MXCP1B 49 26B	
XA323	TQ2	D3	24	B	MAEN7A	00	=		
XA323	TQ2	D3	22	B	(45)	01		MAEN2R 41 22B MXCP1B 43 23B	
XA324	TQ2	E2	28	A	MAESTO	00	=		RESET MAIN TIMING COUNTER
XA324	TQ2	E2	29	A	(60)	01		MAENCQ 62 29A SPI1014 64 30A	
XA325	TT3	C3	19	B	MAEOBR	00	=		
XA325	TT3	C3	16	B	(39)	01		MAEOBS 33 16B MAEBRA 35 17B MXRSOB 37 18B	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC.
LITTON INDUSTRIES

DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX MAEOBS
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE 126

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA324	TQ2	C3	16B		MAEOBS	00	=		EOB RECEIVED ON PRINT COM FF
XA324	TQ2	C3	14B		(33)	01		MAEOBR MAEBOA 29 14B 31 15B	
					MAEOOI	00	=		
XA321	TDD	GI	25A		( )	01		MAEO4P 54 25A	
					MAEOON	00	=		
XA321	TDD	GN	26A		( )	01		MXCP1B 56 26A	
XA321	TDD	GP	25B		MAEOOP	00	=		
XA321	TDD	GP	24A		(47)	01		SPI1001 52 24A	
XA321	TDD	GQ	26B		MAEOOQ	00	=		MAIN TIMING COUNTER BIT 0
XA321	TDD	GQ	27B		(49)	01		MAESTO 51 27B	
					MAEO1I	00	=		
XA320	TDD	GI	25A		( )	01		MAEOOQ 54 25A	
					MAEO1N	00	=		
XA320	TDD	GN	26A		( )	01		MXCP1B 56 26A	
XA320	TDD	GP	25B		MAEO1P	00	=		
XA320	TDD	GP	24A		(47)	01		SPI1001 52 24A	
XA320	TDD	GQ	26B		MAEO1Q	00	=		
XA320	TDD	GQ	27B		(49)	01		MAESTO 51 27B	
					MAEO2I	00	=		
XA322	TDD	HI	22A		( )	01		MAEO1Q 48 22A	
					MAEO2N	00	=		
XA322	TDD	HN	21A		( )	01		MXCP1B 46 21A	
XA322	TDD	HP	24B		MAEO2P	00	=		
XA322	TDD	HP	23A		(45)	01		SPI1002 50 23A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS INC
LITTON INDUSTRIES

DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	MAE02Q
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	127

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA322	TDD	HQ	23	B	MAE02Q	00	=		
XA322	TDD	HQ	22	B	(43)	01		MAESTO 41 22B	
					MAE03I	00	=		
XA321	TDD	HI	22	A	( )	01		MAE02Q 48 22A	
					MAE03N	00	=		
XA321	TDD	HN	21	A	( )	01		MXCP1B 46 21A	
XA321	TDD	HP	24	B	MAE03P	00	=		
XA321	TDD	HP	23	A	(45)	01		SPI1002 50 23A	
XA321	TDD	HQ	23	B	MAE03Q	00	=		
XA321	TDD	HQ	22	B	(43)	01		MAESTO 41 22B	
					MAE04I	00	=		
XA320	TDD	HI	22	A	( )	01		MAE03Q 48 22A	
					MAE04N	00	=		
XA320	TDD	HN	21	A	( )	01		MXCP1B 46 21A	
XA320	TDD	HP	24	B	MAE04P	00	=		
XA320	TDD	HP	23	A	(45)	01		SPI1002 50 23A	
XA320	TDD	HQ	23	B	MAE04Q	00	=		MAIN TIMING COUNTER IOUS OUT
XA320	TDD	HQ	22	B	(43)	01		MAESTO 41 22B	
					MAE10I	00	=		
XA322	TDD	JI	32	A	( )	01		MAE14P 68 32A	
					MAE10N	00	=		
XA322	TDD	JN	33	A	( )	01		MAECPO 70 33A	
XA322	TDD	JP	31	B	MAE10P	00	=		
XA322	TDD	JP	31	A	(59)	01		SPI1001 66 31A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	MAE10Q
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	128

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA322	TDD	JQ	32B		MAE10Q	00	=		MAIN TIMING COUNTER BIT 10
XA322	TDD	JQ	33B		(61)	01		MAEST0 63 33B	
					MAE11I	00	=		
XA321	TDD	JI	32A		( )	01		MAE10Q 68 32A	
					MAE11N	00	=		
XA321	TDD	JN	33A		( )	01		MAECP0 70 33A	
XA321	TDD	JP	31B		MAE11P	00	=		
XA321	TDD	JP	31A		(59)	01		SPI1001 66 31A	
XA321	TDD	JQ	32B		MAE11Q	00	=		
XA321	TDD	JQ	33B		(61)	01		MAEST0 63 33B	
					MAE12I	00	=		
XA320	TDD	JI	32A		( )	01		MAE11Q 68 32A	
					MAE12N	00	=		
XA320	TDD	JN	33A		( )	01		MAECP0 70 33A	
XA320	TDD	JP	31B		MAE12P	00	=		
XA320	TDD	JP	31A		(59)	01		SPI1001 66 31A	
XA320	TDD	JQ	32B		MAE12Q	00	=		
XA320	TDD	JQ	33B		(61)	01		MAEST0 63 33B	
					MAE13I	00	=		
XA322	TDD	KI	29A		( )	01		MAE12Q 62 29A	
					MAE13N	00	=		
XA322	TDD	KN	28A		( )	01		MAECP0 60 28A	
XA322	TDD	KP	30B		MAE13P	00	=		
XA322	TDD	KP	30A		(57)	01		SPI1013 64 30A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS. INC
LITTON INDUSTRIES

DRAWING NUMBER **149016-860**
UNIT ASSEMBLY NAME **CARD CAGE ASSY, A, IFCU**

LOGIC

UNIT ASSEMBLY NO. **149016**
FILE IDENT **T39CIFC6**
REV. **E**
DATE **09-03-82**
INDEX **MAE130**
PAGE **129**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA322	TDD	KQ	29B		MAE13Q	00	=		
XA322	TDD	KQ	28B		(55)	01		MAESTO 53 28B	
					MAE14I	00	=		
XA321	TDD	KI	29A		( )	01		MAE13Q 62 29A	
					MAE14N	00	=		
XA321	TDD	KN	28A		( )	01		MAECPO 60 28A	
XA321	TDD	KP	30B		MAE14P	00	=		
XA321	TDD	KP	30A		(57)	01		SPI1002 64 30A	
XA321	TDD	KQ	29B		MAE14Q	00	=		
XA321	TDD	KQ	28B		(55)	01		MAESTO 53 28B	MAIN TIMING COUNTER 100US OUT
XA325	TT3	D1	23A		MAOENR	00	=		
XA325	TT3	D1	24A		(50)	01		MAOENS MAOERA MXRSOB 52 24A 54 25A 56 26A	
XA324	TQ2	D1	24A		MAOENS	00	=		AUTO OUTPUT ENABLE FF
XA324	TQ2	D1	25A		(52)	01		MAOENR MAENOA 54 25A 56 26A	
XA332	TS8	F1	37A		MAOERA	00	=		RESET AUTO OUTPUT ENABLE F/F
XA332	TS8	F1	36A		(76)	01		MPINTO MAE13Q MAE14P MAE01O MAE02P MXCP3B SPI1013 SPI1016 71 36A 72 34A 73 36B 74 35B 75 37B 77 38B 78 38A 79 39B	
					MBCMAB	00	=		
XA143	DCF	C1	25B		( )	01		KXACMDX 46 25B	
XA345	DCF	C1	25B		( )	02	+	MXACMDX 46 25B	
					MBCMBB	00	=		
XA142	DCF	C1	25B		( )	01		KXBCMDX 46 25B	
XA344	DCF	C1	25B		( )	02	+	MXBCMDX 46 25B	
					MBENAB	00	=		
XA143	DCF	C3	30B		( )	01		KXAENDX 55 30B	
XA345	DCF	C3	30B		( )	02	+	MXAENDX 55 30B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU		LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX MBENBB PAGE 130

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					MBENBB	00	=		
XA142	DCF	C3	30B		( )	01		KXBENDX 55 30B	
XA344	DCF	C3	30B		( )	02	+	MXBENDX 55 30B	
					MBINAB	00	=		
XA143	DCF	C5	31B		( )	01		KXAINDX 60 31B	
XA345	DCF	C5	31B		( )	02	+	MXAINDX 60 31B	
					MBINBB	00	=		
XA142	DCF	C5	31B		( )	01		KXBINDX 60 31B	
XA344	DCF	C5	31B		( )	02	+	MXBINDX 60 31B	
XA318	TD4	B2	10B		MBSYOA	00	=		
XA318	TD4	B2	09A		(21)	01		MSNCIS MPFLTA MXCPIB SPI1001 14 09A 18 10A 19 09B 20 11A	
XA324	TQ2	D4	27B		MBUSYA	00	=		HARDWARE BUSY WHENLOW
XA324	TQ2	D4	25B		(51)	01		MPBZYO SPI1014 47 25B 49 26B	
XA325	TT3	B3	13B		MBUSYR	00	=		
XA325	TT3	B3	10B		(27)	01		MBUSYS MINT1A MXRSOB 21 10B 23 11B 25 12B	
XA324	TQ2	B3	10B		MBUSYS	00	=		HARWARE BUSY F/F
XA324	TQ2	B3	08B		(21)	01		MBUSYR MBSYOA 17 08B 19 09B	
					MBOPAB	00	=		
XA143	DCF	C7	25A		( )	01		KXAPCDX 43 25A	
XA345	DCF	C7	25A		( )	02	+	MXAPCDX 43 25A	
					MBOPBB	00	=		
XA142	DCF	C7	25A		( )	01		KXBPCDX 43 25A	
XA344	DCF	C7	25A		( )	02	+	MXBPCDX 43 25A	
					MBOOAB	00	=		
XA143	DCF	A1	02B		( )	01	D	KXAOCDX 07 02B	
XA345	DCF	A1	02B		( )	02	+	MXAOCDX 07 02B	
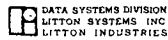
3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS INC / LITTON INDUSTRIES
DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU
LOGIC
UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6
REV. E DATE 09-03-82 INDEX MB00BB PAGE 131

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					MB00BB	00	=		
XA142	DCF	A1	02	B	( )	01		KXB0CDX 07 02B	
XA344	DCF	A1	02	B	( )	02	+	MXB0CDX 07 02B	
					MB01AB	00	=		
XA143	DCF	A3	07	B	( )	01		KXA1CDX 17 07B	
XA345	DCF	A3	07	B	( )	02	+	MXA1CDX 17 07B	
					MB01BB	00	=		
XA142	DCF	A3	07	B	( )	01		KXB1CDX 17 07B	
XA344	DCF	A3	07	B	( )	02	+	MXB1CDX 17 07B	
					MB02AB	00	=		
XA143	DCF	A5	08	B	( )	01		KXA2CDX 14 08B	
XA345	DCF	A5	08	B	( )	02	+	MXA2CDX 14 08B	
					MB02BB	00	=		
XA142	DCF	A5	08	B	( )	01		KXB2CDX 14 08B	
XA344	DCF	A5	08	B	( )	02	+	MXB2CDX 14 08B	
					MB03AB	00	=		
XA143	DCF	A7	02	A	( )	01		KXA3CDX 01 02A	
XA345	DCF	A7	02	A	( )	02	+	MXA3CDX 01 02A	
					MB03BB	00	=		
XA142	DCF	A7	02	A	( )	01		KXB3CDX 01 02A	
XA344	DCF	A7	02	A	( )	02	+	MXB3CDX 01 02A	
					MB04AB	00	=		
XA143	DCF	B1	10	B	( )	01		KXA4CDX 27 10B	
XA345	DCF	B1	10	B	( )	02	+	MXA4CDX 27 10B	

3-2880-1

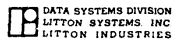|							
DATA SYSTEMS DIVISION LITTON SYSTEMS. INC LITTON INDUSTRIES	DRAWING NUMBER UNIT ASSEMBLY NAME	149016–860 CARD CAGE ASSY,A,IFCU		LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX MB04BB PAGE 132

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					MB04BB	00	=		
XA142	DCF	B1	10B		( )	01		KXB4CDX 27 10B	
XA344	DCF	B1	10B		( )	02	+	MXB4CDX 27 10B	
					MB05AB	00	=		
XA143	DCF	B3	15B		( )	01		KXA5CDX 37 15B	
XA345	DCF	B3	15B		( )	02	+	MXA5CDX 37 15B	
					MB05BB	00	=		
XA142	DCF	B3	15B		( )	01		KXB5CDX 37 15B	
XA344	DCF	B3	15B		( )	02	+	MXB5CDX 37 15B	
					MB06AB	00	=		
XA143	DCF	B5	16A		( )	01		KXA6CDX 41 16A	
XA345	DCF	B5	16A		( )	02	+	MXA6CDX 41 16A	
					MB06BB	00	=		
XA142	DCF	B5	16A		( )	01		KXB6CDX 41 16A	
XA344	DCF	B5	16A		( )	02	+	MXB6CDX 41 16A	
					MB07AB	00	=		
XA143	DCF	B7	10A		( )	01		KXA7CDX 23 10A	
XA345	DCF	B7	10A		( )	02	+	MXA7CDX 23 10A	
					MB07BB	00	=		
XA142	DCF	B7	10A		( )	01		KXB7CDX 23 10A	
XA344	DCF	B7	10A		( )	02	+	MXB7CDX 23 10A	
					MCDERI	00	=		
XA320	TDD	A1	06A		( )	01		SPI1001 08 06A	
					MCDERN	00	=		
XA320	TDD	AN	07A		( )	01		SPI1002 10 07A	
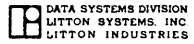
3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS. INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	MCDERP
		UNIT ASSEMBLY NAME	CARD CAGE ASSY, A, IFCU		FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	133

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA320	TDD	AP	05	B	MCDERP	00	=		
XA320	TDD	AP	05	A	(11)	01		MSRSOA 06 05A	
XA320	TDD	AQ	06	B	MCDERQ	00	=		COMPUTER DATA PARITY ERROR FF
XA320	TDD	AQ	07	B	(13)	01		MCDESA 15 07B	
XA324	TQ2	E3	30	B	MCDESA	00	=		
XA324	TQ2	E3	28	B	(57)	01		MCDESO SPI1014 53 28B 55 29B	
XA323	TQ2	A3	04	B	MCDESO	00	=		SET COMPUTER DATA PARITY ER
XA323	TQ2	A3	02	A	(09)	01		MXDPEA MXODEA 03 02A 07 03A	
XA327	TQ2	E2	28	A	MDCP00	00	=		DATA REGISTER CLOCK P0123
XA327	TQ2	E2	29	A	(60)	01		MXEDOA MXODOA 62 29A 64 30A	
XA327	TQ2	E3	30	B	MDCP10	00	=		DATA REGISTER CLOCK 4567
XA327	TQ2	E3	28	B	(57)	01		MXEDOA MXODOA 53 28B 55 29B	
XA345	DCF	D5	38	B	MDMNCDX	00	=		SEND DATA TO PRINTER IF HI
XA345	DCF	D5	36	A	(80)	01		MXGN1A 72 36A	
XA340	TQ2	B2	09	A	MDMNCO	00	=		
XA340	TQ2	B2	10	A	(14)	01		MDMNCOX SPI1017 18 10A 20 11A	
XA345	DCF	D6	38	A	MDMNCOX	00	=		
XA345	DCF	D6	37	A	(76)	01		MXGN2A 74 37A	
XA339	TQ2	B3	10	B	MDMNDA	00	=		
XA339	TQ2	B3	08	B	(21)	01		MDMNDOX MDMNCO 17 08B 19 09B	
XA345	DCF	D7	33	A	MDMNDDX	00	=		SEND DATA TO PRINTER IF LOW
XA345	DCF	D7	36	A	(61)	01		MXGN1A 72 36A	
					MDMNDI	00	=		
XA322	TDD	BI	03	B	( )	01		MDMNDO 05 03B	
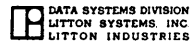
3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	MDMNDN
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU			FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	134

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					MDMNDN	00	=		
XA322	TDD	BN	02B		( )	01		MXCP1B 01 02B	
XA322	TDD	BP	04B		MDMNDP	00	=		
XA322	TDD	BP	04A		(09)	01		SPI1003 04 04A	
XA322	TDD	BQ	03A		MDMNDQ	00	=		PRINTER REQUEST LINE SYNC
XA322	TDD	BQ	02A		(07)	01		MXRSOB 03 02A	
XA340	TQ2	B3	10B		MDMNDO	00	=		
XA340	TQ2	B3	08B		(21)	01		MDMNDA SPI1017 17 08B 19 09B	
XA345	DCF	D8	34A		MDMNDOX	00	=		
XA345	DCF	D8	35A		(68)	01		MXGN2A 70 35A	
XA328	TQ2	F1	37B		MDRSOA	00	=		
XA328	TQ2	F1	38B		(75)	01		MDRS00 SPI1015 77 38B 79 39B	
XA327	TQ2	E4	33B		MDRS00	00	=		RESET DATA REGISTR
XA327	TQ2	E4	31B		(63)	01		MXODRA MXRSOB 59 31B 61 32B	
XA328	TQ2	F2	34A		MDRS1A	00	=		
XA328	TQ2	F2	36A		(72)	01		MDRS00 SPI1015 71 36A 73 36B	
					MDOPBI	00	=		
XA331	TDD	KI	29A		( )	01		KMRPCB 62 29A	
					MDOPBN	00	=		
XA331	TDD	KN	28A		( )	01		MDCP00 60 28A	
XA331	TDD	KP	30B		MDOPBP	00	=		
XA331	TDD	KP	30A		(57)	01		MDRSOA 64 30A	
XA331	TDD	KQ	29B		MDOPBQ	00	=		DATA REGISTR BIT P
XA331	TDD	KQ	28B		(55)	01		SPI1013 53 28B	

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC / LITTON INDUSTRIES

DRAWING NUMBER	149016-860				LOGIC	UNIT ASSEMBLY NO. 149016	REV. E	INDEX MD00BI
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU					FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 135

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					MD00BI	00	=		
XA331	TDD	LI	38	B	( )	01		KMR0CB 77 38B	
					MD00BN	00	=		
XA331	TDD	LN	39	B	( )	01		MDCP00 79 39B	
XA331	TDD	LP	37	A	MD00BP	00	=		
XA331	TDD	LP	37	B	(76)	01		MDRS0A 75 37B	
XA331	TDD	LQ	38	A	MD00BQ	00	=		DATA REGISTR BIT 0
XA331	TDD	LQ	39	A	(78)	01		SPI1015 80 39A	
					MD01BI	00	=		
XA331	TDD	MI	36	A	( )	01		KMR1CB 71 36A	
					MD01BN	00	=		
XA331	TDD	MN	34	A	( )	01		MDCP00 72 34A	
XA331	TDD	MP	35	A	MD01BP	00	=		
XA331	TDD	MP	36	B	(69)	01		MDRS0A 73 36B	
XA331	TDD	MQ	35	B	MD01BQ	00	=		
XA331	TDD	MQ	34	B	(74)	01		SPI1013 65 34B	
					MD02BI	00	=		
XA330	TDD	KI	29	A	( )	01		KMR2CB 62 29A	
					MD02BN	00	=		
XA330	TDD	KN	28	A	( )	01		MDCP00 60 28A	
XA330	TDD	KP	30	B	MD02BP	00	=		
XA330	TDD	KP	30	A	(57)	01		MDRS0A 64 30A	
XA330	TDD	KQ	29	B	MD02BQ	00	=		
XA330	TDD	KQ	28	B	(55)	01		SPI1013 53 28B	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO.	149016	REV. E	INDEX MD00BI
FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE 135

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					MD00BI	00	=		
XA331	TDD	LI	38B		( )	01		KMR0CB 77 38B	
					MD00BN	00	=		
XA331	TDD	LN	39B		( )	01		MDCP00 79 39B	
XA331	TDD	LP	37A		MD00BP	00	=		
XA331	TDD	LP	37B		(76)	01		MDRS0A 75 37B	
XA331	TDD	LQ	38A		MD00BQ	00	=		DATA REGISTR BIT 0
XA331	TDD	LQ	39A		(78)	01		SPI1015 80 39A	
					MD01BI	00	=		
XA331	TDD	MI	36A		( )	01		KMR1CB 71 36A	
					MD01BN	00	=		
XA331	TDD	MN	34A		( )	01		MDCP00 72 34A	
XA331	TDD	MP	35A		MD01BP	00	=		
XA331	TDD	MP	36B		(69)	01		MDRS0A 73 36B	
XA331	TDD	MQ	35B		MD01BQ	00	=		
XA331	TDD	MQ	34B		(74)	01		SPI1013 65 34B	
					MD02BI	00	=		
XA330	TDD	KI	29A		( )	01		KMR2CB 62 29A	
					MD02BN	00	=		
XA330	TDD	KN	28A		( )	01		MDCP00 60 28A	
XA330	TDD	KP	30B		MD02BP	00	=		
XA330	TDD	KP	30A		(57)	01		MDRS0A 64 30A	
XA330	TDD	KQ	29B		MD02BQ	00	=		
XA330	TDD	KQ	28B		(55)	01		SPI1013 53 28B	

3-2880-1

DATA SYSTEMS DIVISION **LITTON SYSTEMS, INC** **LITTON INDUSTRIES**	DRAWING NUMBER UNIT ASSEMBLY NAME	149016-860 CARD CAGE ASSY,A,IFCU		LOGIC		UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6		REV. E DATE 09-03-82	INDEX MD03BI PAGE 136

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					MD03BI	00	=		
XA330	TDD	LI	38B		( )	01		KMR3CB 77 38B	
					MD03BN	00	=		
XA330	TDD	LN	39B		( )	01		MDCP00 79 39B	
XA330	TDD	LP	37A		MD03BP	00	=		
XA330	TDD	LP	37B		(76)	01		MDRS0A 75 37B	
XA330	TDD	LQ	38A		MD03BQ	00	=		
XA330	TDD	LQ	39A		(78)	01		SPI1015 80 39A	
					MD04BI	00	=		
XA330	TDD	MI	36A		( )	01		KMR4CB 71 36A	
					MD04BN	00	=		
XA330	TDD	MN	34A		( )	01		MDCP10 72 34A	
XA330	TDD	MP	35A		MD04BP	00	=		
XA330	TDD	MP	36B		(69)	01		MDRS1A 73 36B	
XA330	TDD	MQ	35B		MD04BQ	00	=		
XA330	TDD	MQ	34B		(74)	01		SPI1013 65 34B	
					MD05BI	00	=		
XA329	TDD	KI	29A		( )	01		KMR5CB 62 29A	
					MD05BN	00	=		
XA329	TDD	KN	28A		( )	01		MDCP10 60 28A	
XA329	TDD	KP	30B		MD05BP	00	=		
XA329	TDD	KP	30A		(57)	01		MDRS1A 64 30A	
XA329	TDD	KQ	29B		MD05BQ	00	=		
XA329	TDD	KQ	28B		(55)	01		SPI1013 53 28B	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	MD06BI
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	137

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					MD06BI	00	=		
XA329	TDD	LI	38B		( )	01		KMR6CB 77 38B	
					MD06BN	00	=		
XA329	TDD	LN	39B		( )	01		MDCP10 79 39B	
XA329	TDD	LP	37A		MD06BP	00	=		
XA329	TDD	LP	37B		(76)	01		MDRS1A 75 37B	
XA329	TDD	LQ	38A		MD06BQ	00	=		
XA329	TDD	LQ	39A		(78)	01		SPI1015 80 39A	
					MD07BI	00	=		
XA329	TDD	MI	36A		( )	01		KMR7CB 71 36A	
					MD07BN	00	=		
XA329	TDD	MN	34A		( )	01		MDCP10 72 34A	
XA329	TDD	MP	35A		MD07BP	00	=		
XA329	TDD	MP	36B		(69)	01		MDRS1A 73 36B	
XA329	TDD	MQ	35B		MD07BQ	00	=		DATA REGISTER BIT 7
XA329	TDD	MQ	34B		(74)	01		SPI1013 65 34B	
					MFRMFI	00	=		
XA331	TDD	EI	19A		( )	01		MFRMFO 40 19A	
					MFRMFN	00	=		
XA331	TDD	EN	20A		( )	01		MXDV10 42 20A	
XA331	TDD	EP	17B		MFRMFP	00	=		I/O BYTE COUNTER BIT 2
XA331	TDD	EP	18A		(35)	01		MXRSOB 38 18A	
XA331	TDD	EQ	18B		MFRMFQ	00	=		FORM FEED COMMAND F/F
XA331	TDD	EQ	19B		(37)	01		SPI1015 39 19B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO. 149016		REV. E	INDEX MFRMFO
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT T39CIFC6		DATE 09-03-82	PAGE 138

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA327	TQ2	B3	10	B	MFRMFO	00	=		
XA327	TQ2	B3	08	B	(21)	01		MXRAF6T SPI1014 17 08B 19 09B	
XA323	TQ2	F1	37	B	MINT1A	00	=		END OF DEV COMMAND
XA323	TQ2	F1	38	B	(75)	01		MINT1O SPI1014 77 38B 79 39B	
XA318	TD4	F1	37	A	MINT1O	00	=		
XA318	TD4	F1	37	B	(76)	01		MSCI1A MLPF1A MPINTA SPI1001 75 37B 77 38B 78 38A 79 39B	
XA323	TQ2	B2	09	A	MINT2A	00	=		END DEV COMND REQ/INTERRUPT
XA323	TQ2	B2	10	A	(14)	01		MINT1O MFRMFP 18 10A 20 11A	
XA323	TQ2	B4	13	B	MKRSOA	00	=		REQUEST LINE TIMERRESET
XA323	TQ2	B4	11	B	(27)	01		MDMNDQ SPI1014 23 11B 25 12B	
XA323	TQ2	C1	18	A	MKRS1A	00	=		
XA323	TQ2	C1	19	A	(38)	01		MDMNDQ SPI1014 40 19A 42 20A	
XA323	TQ2	E4	33	B	MK03BA	00	=		REQUEST TIMER CLOCK 16 US
XA323	TQ2	E4	31	B	(63)	01		MK03B4U SPI1014 59 31B 61 32B	
XA334	DBC	C1	18	A	MK03B1U	00	=		REQUEST TIMER BITS0-1-2-3
XA334	DBC	C1	18	B	(38)	01		SPI1016 SPI1004 SPI1013 SPI1003 SPI1005 39 18B 41 19B 43 22B 45 23B 50 24A	
XA334	DBC	C2	19	A	MK03B2U	00	=		
XA334	DBC	C2	17	B	(40)	01		MXCPIB 37 17B	
XA334	DBC	C3	20	A	MK03B3U	00	=		
XA334	DBC	C3	23	A	(42)	01		SPI1012 47 23A	
XA334	DBC	C4	21	A	MK03B4U	00	=		
XA334	DBC	C4	22	A	(46)	01		SPI1018 48 22A	
XA334	DBC	C5	17	A	MK03B5U	00	=		
XA334	DBC	C5	16	B	(36)	01		MKRSOA 35 16B	
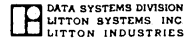
3-2880-1

| | | | | DRAWING NUMBER 149016-860 | | LOGIC | UNIT ASSEMBLY NO. 149016 | REV. E | INDEX MK04BI |
| DATA SYSTEMS DIVISION / LITTON SYSTEMS INC / LITTON INDUSTRIES | | | | UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | | | FILE IDENT T39CIFC6 | DATE 09-03-82 | PAGE 139 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					MK04BI	00	=		
XA322	TDD	EI	19A		( )	01		MK05BP 40 19A	
					MKC4BN	00	=		
XA322	TDD	EN	20A		( )	01		MK03BA 42 20A	
XA322	TDD	EP	17B		MK04BP	00	=		
XA322	TDD	EP	18A		(35)	01		MKRSOA 38 18A	
XA322	TDD	EQ	18B		MK04BQ	00	=		REQUEST TIMER BIT 4
XA322	TDD	EQ	19B		(37)	01		SPI1001 39 19B	
					MK05BI	00	=		
XA321	TDD	EI	19A		( )	01		MK04BQ 40 19A	
					MK05BN	00	=		
XA321	TDD	EN	20A		( )	01		MK03BA 42 20A	
XA321	TDD	EP	17B		MK05BP	00	=		
XA321	TDD	EP	18A		(35)	01		MKRSOA 38 18A	
XA321	TDD	EQ	18B		MK05BQ	00	=		REQUEST TIMER BIT 5
XA321	TDD	EQ	19B		(37)	01		SPI1001 39 19B	
XA323	TQ2	E3	30B		MK06BA	00	=		REQUEST TIMER CLOCK 1.024 MS
XA323	TQ2	E3	28B		(57)	01		MK06B4U SPI1014 53 28B 55 29B	
XA335	DBC	C1	18A		MK06B1U	00	=		REQUEST TIMER BITS6-7-8-9
XA335	DBC	C1		18B	(38)	01		SPI1005 SPI1004 SPI1013 SPI1003 SPI1016 39 18B 41 19B 43 22B 45 23B 50 24A	
XA335	DBC	C2	19A		MK06B2U	00	=		
XA335	DBC	C2		17B	(40)	01		MK05BP 37 17B	
XA335	DBC	C3	20A		MK06B3U	00	=		
XA335	DBC	C3	23A		(42)	01		SPI1012 47 23A	

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC / LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016 REV. E INDEX MK06B4U
FILE IDENT T39CIFC6 DATE 09-03-82 PAGE 140

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA335	DBC	C4	21	A	MK06B4U	00	=		
XA335	DBC	C4	22	A	(46)	01		SPI1018 48 22A	
XA335	DBC	C5	17	A	MK06B5U	00	=		
XA335	DBC	C5	16	B	(36)	01		MKRSOA 35 16B	
					MK10BI	00	=		
XA320	TDD	EI	19	A	( )	01		MK11BP 40 19A	
					MK10BN	00	=		
XA320	TDD	EN	20	A	( )	01		MK06BA 42 20A	
XA320	TDD	EP	17	B	MK10BP	00	=		
XA320	TDD	EP	18	A	(35)	01		MKRSOA 38 18A	
XA320	TDD	EQ	18	B	MK10BQ	00	=		REQUEST TIMER BIT 10
XA320	TDD	EQ	19	B	(37)	01		SPI1001 39 19B	
					MK11BI	00	=		
XA322	TDD	FI	16	A	( )	01		MK10BQ 34 16A	
					MK11BN	00	=		
XA322	TDD	FN	15	A	( )	01		MK06BA 30 15A	
XA322	TDD	FP	16	B	MK11BP	00	=		
XA322	TDD	FP	17	A	(33)	01		MKRSOA 36 17A	
XA322	TDD	FQ	15	B	MK11BQ	00	=		REQUEST TIMER BIT 11
XA322	TDD	FQ	14	B	(31)	01		SPI1002 29 14B	
XA323	TQ2	E2	28	A	MK12BA	00	=		REQUEST TIMER CLOCK 65.536 MS
XA323	TQ2	E2	29	A	(60)	01		MK12B4U SPI1014 62 29A 64 30A	
XA334	DBC	D1	26	A	MK12B1U	00	=		REQUEST TIMER BITS12-13-14-15
XA334	DBC	D1	26	B	(54)	01		SPI1005 SPI1004 SPI1013 SPI1003 SPI1016 53 26B 55 27B 57 29B 59 30B 63 31A	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	MK12B2U
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU			FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	141

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA334	DBC	D2	28	B	MK12B2U	00	=		
XA334	DBC	D2	25	B	(56)	01		MK11BP 51 25B	
XA334	DBC	D3	28	A	MK12B3U	00	=		
XA334	DBC	D3	31	B	(60)	01		SPI1012 61 31B	
XA334	DBC	D4	29	A	MK12B4U	00	=		
XA334	DBC	D4	30	A	(62)	01		SPI1018 64 30A	
XA334	DBC	D5	25	A	MK12B5U	00	=		
XA334	DBC	D5	24	B	(52)	01		MKRS1A 49 24B	
					MK16BI	00	=		
XA321	TDD	FI	16	A	( )	01		MK17BP 34 16A	
					MK16BN	00	=		
XA321	TDD	FN	15	A	( )	01		MK12BA 30 15A	
XA321	TDD	FP	16	B	MK16BP	00	=		
XA321	TDD	FP	17	A	(33)	01		MKRS1A 36 17A	
XA321	TDD	FQ	15	B	MK16BQ	00	=		REQUEST TIMER BIT 16
XA321	TDD	FQ	14	B	(31)	01		SPI1002 29 14B	
					MK17BI	00	=		
XA320	TDD	FI	16	A	( )	01		MK16BQ 34 16A	
					MK17BN	00	=		
XA320	TDD	FN	15	A	( )	01		MK12BA 30 15A	
XA320	TDD	FP	16	B	MK17BP	00	=		
XA320	TDD	FP	17	A	(33)	01		MKRS1A 36 17A	
XA320	TDD	FQ	15	B	MK17BQ	00	=		REQUEST TIMER BIT 17
XA320	TDD	FQ	14	B	(31)	01		SPI1002 29 14B	

3-2880-1

| DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX MK18BA PAGE 142 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA323	TQ2	D1	24A		MK18BA	00	=		REQUEST TIMER CLOCK 4.194 SEC
XA323	TQ2	D1	25A		(52)	01		MK18B4U SPI1014 54 25A 56 26A	
XA335	DBC	D1	26A		MK18B1U	00	=		REQUEST TIMER BITS18-19-20-21
XA335	DBC	D1	26B		(54)	01		SPI1005 SPI1012 SPI1003 SPI1004 SPI1013 53 26B 55 27B 57 29B 59 30B 63 31A	
XA335	DBC	D2	28B		MK18B2U	00	=		
XA335	DBC	D2	25B		(56)	01		MK17BP 51 25B	
XA335	DBC	D3	28A		MK18B3U	00	=		
XA335	DBC	D3	31B		(60)	01		SPI1018 61 31B	
XA335	DBC	D4	29A		MK18B4U	00	=		
XA335	DBC	D4	30A		(62)	01		SPI1016 64 30A	
XA335	DBC	D5	25A		MK18B5U	00	=		
XA335	DBC	D5	24B		(52)	01		MKRS1A 49 24B	
					MK22BI	00	=		
XA322	TDD	GI	25A		( )	01		MK2290 54 25A	
					MK22BN	00	=		
XA322	TDD	GN	26A		( )	01		MK18BA 56 26A	
XA322	TDD	GP	25B		MK22BP	00	=		
XA322	TDD	GP	24A		(47)	01		MKRS1A 52 24A	
XA322	TDD	GQ	26B		MK22BQ	00	=		REQUEST TIMER BIT 22
XA322	TDD	GQ	27B		(49)	01		SPI1001 51 27B	
XA323	TQ2	C4	19B		MK2290	00	=		
XA323	TQ2	C4	17B		(39)	01		MK22BQ SPI1014 35 17B 37 18B	
XA341	TLD	D1	24A		MLPDSD1	00	=		PRINTER DATA STROBE WHEN LOW
XA341	TLD	D1	25A		(52)	01		MPDSC0 SPI1017 54 25A 56 26A	

3-2880-1

	DATA SYSTEMS DIVISION	DRAWING NUMBER	149016-860	LOGIC		UNIT ASSEMBLY NO.	149016	REV. E	INDEX	MLPFFD1
	LITTON SYSTEMS, INC LITTON INDUSTRIES	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU			FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	143

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA341	TLD	D2	21A		MLPFFD1	00	=		PRINTER FORM FEED WHEN LOW
XA341	TLD	D2	22A		(46)	01		MLPF1S SPI1017 48 22A 50 23A	
XA318	TD4	A1	05B		MLPFOA	00	=		START FORM FEED COMMAND
XA318	TD4	A1	05A		(11)	01		MFRMFQ MSNC2S MBUSYS MXCP3B 06 05A 08 06A 10 07A 13 06B	
XA325	TT3	B1	11A		MLPFOR	00	=		
XA325	TT3	B1	12A		(20)	01		MLPFOS MLPF1A MXRSOB 22 12A 24 13A 26 14A	
XA324	TQ2	B1	12A		MLPFOS	00	=		FORM FEED COUNTER BIT 0
XA324	TQ2	B1	13A		(22)	01		MLPFOR MLPFOA 24 13A 26 14A	
XA323	TQ2	A2	02B		MLPF1A	00	=		
XA323	TQ2	A2	04A		(01)	01		MLPF1S MXCP3B 04 04A 05 03B	
XA325	TT3	B2	09B		MLPF1R	00	=		
XA325	TT3	B2	09A		(19)	01		MLPF1S MLPF3A MXRSOB 14 09A 17 08B 18 10A	
XA324	TQ2	B2	09A		MLPF1S	00	=		FORM FEED COUNTER BIT 1
XA324	TQ2	B2	10A		(14)	01		MLPF1R MLPF2A 18 10A 20 11A	
XA323	TQ2	A4	07B		MLPF2A	00	=		
XA323	TQ2	A4	05B		(15)	01		MLPFOS MXCP1B 11 05B 13 06B	
XA324	TQ2	A4	07B		MLPF3A	00	=		
XA324	TQ2	A4	05B		(15)	01		MLPFOR MXCP1B 11 05B 13 06B	
XA341	TLD	D3	24B		MLPRSD1	00	=		PRINTER RESET WHENLOW
XA341	TLD	D3	22B		(45)	01		MXSTOQ SPI1017 41 22B 43 23B	
XA325	TT3	A2	03A		MLPTBR	00	=		
XA325	TT3	A2	02B		(07)	01		MLPTBS MXXDDP MXRSOB 01 02B 03 02A 05 03B	
XA324	TQ2	A2	02B		MLPTBS	00	=		LOOP TEST BUSY F/F
XA324	TQ2	A2	04A		(01)	01		MLPTBR MXODOA 04 04A 05 03B	

3-2880-1

			DATA SYSTEMS DIVISION		
			LITTON SYSTEMS, INC		
			LITTON INDUSTRIES		

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX MLPTOI
PAGE 144

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG- NATOR	FACTOR	COMMENT
					MLPTOI	00	=		
XA320	TDD	BI	03B		( )	01		MXGN2A 05 03B	
					MLPTON	00	=		
XA320	TDD	BN	02B		( )	01		MLPT1A 01 02B	
XA320	TDD	BP	04B		MLPTOP	00	=		
XA320	TDD	BP	04A		(09)	01		MXRS0B 04 04A	
XA320	TDD	BQ	03A		MLPTOQ	00	=		LOOP TEST COUNTER BIT 0
XA320	TDD	BQ	02A		(07)	01		MXODOA 03 02A	
XA323	TQ2	A1	05A		MLPT1A	00	=		
XA323	TQ2	A1	06A		(06)	01		MLPT1Q MXCP3B 08 06A 10 07A	
					MLPT1I	00	=		
XA321	TDD	BI	03B		( )	01		MLPTOQ 05 03B	
					MLPT1N	00	=		
XA321	TDD	BN	02B		( )	01		MXCP1B 01 02B	
XA321	TDD	BP	04B		MLPT1P	00	=		
XA321	TDD	BP	04A		(09)	01		MXRS0B 04 04A	
XA321	TDD	BQ	03A		MLPT1Q	00	=		LOOP TEST COUNTER BIT 1
XA321	TDD	BQ	02A		(07)	01		SPII003 03 02A	
XA325	TT3	A1	04A		MLPT2R	00	=		
XA325	TT3	A1	05A		(04)	01		MLPT2S MXXDDP MXRS0B 06 05A 08 06A 10 07A	
XA324	TQ2	A1	05A		MLPT2S	00	=		LOOP TEST WAIT FORENABLE F/F
XA324	TQ2	A1	06A		(06)	01		MLPT2R MLPT1A 08 06A 10 07A	
XA341	TLD	D4	27B		MLQDSDI	00	=		PRINTER DATA STROBE WHEN HI
XA341	TLD	D4	25B		(51)	01		MPDSCA MPCRSA 47 25B 49 26B	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC.
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

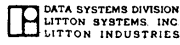UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX MLQFFD1
PAGE 145

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA341	TLD	C4		19 B	MLQFFD1	00	=		PRINTER FORM FEED WHEN HI
XA341	TLD	C4		17 B	(39)	01		MLPF1R SPI1017 35 17B 37 18B	
XA342	TLD	C4		19 B	MLQRSD1	00	=		PRINTER RESET WHE N HI
XA342	TLD	C4		17 B	(39)	01		MXSTOP SPI1017 35 17B 37 18B	
XA328	TQ2	F3	35 A		MLTEOA	00	=		START DATA INPUT ON LOOP TEST
XA328	TQ2	F3		34 B	(69)	01		MLPT2S MXEA00 65 34B 74 35B	
XA326	TD4	B2		10 B	MPBZY0	00	=		HARDWARE BUSY WHENHI
XA326	TD4	B2	09 A		(21)	01		MSNCOR MINT2A MXXDIR MLPTBR 14 09A 18 10A 19 09B 20 11A	
XA318	TD4	A2		04 B	MPCRCA	00	=		NOT USED (FOR CR AT 50B)
XA318	TD4	A2		02 B	(09)	01		MXGN2A MAE11Q MAE12P MAE00P 01 02B 04 04A 05 03B 07 03A	
XA336	TQ2	F2	34 A		MPCRC0	00	=		NOT USED
XA336	TQ2	F2	36 A		(72)	01		MPCRCA SPI1016 71 36A 73 36B	
XA317	TS8	C1		17 B	MPCRSA	00	=		
XA317	TS8	C1	15 A		(35)	01		MXGN2A MAE11Q MAE12P MAE02P MAE04Q MPFLTP MPRTOP SPI1001 30 15A 31 15B 34 16A 36 17A 37 18B 38 18A 40 19A 42 20A	
XA342	TLD	E1	31 A		MPCR1D	00	=		MPDB1B1 BUSS
XA342	TLD	E1	32 A		(66)	01		MPCRC0 SPI1018 68 32A 70 33A	
XA342	TLD	E2	28 A		MPCR3D	00	=		MPDB3B1 BUSS
XA342	TLD	E2	29 A		(60)	01		MPCRC0 SPI1018 62 29A 64 30A	
XA342	TLD	E3		30 B	MPCR4D	00	=		MPDB4B1 BUSS
XA342	TLD	E3		28 B	(57)	01		MPCRC0 SPI1018 53 28B 55 29B	
XA333	TT3	F3	39 A		MPDBCA	00	=		SEND DATA TO PRINTER 51-55US
XA333	TT3	F3	35 A		(80)	01		MAE10P MAE14P MAE00P 69 35A 76 37A 78 38A	
XA336	TQ2	F3	35 A		MPDBC0	00	=		
XA336	TQ2	F3		34 B	(69)	01		MPDBCA SPI1016 65 34B 74 35B	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC.
LITTON INDUSTRIES

DRAWING NUMBER **149016-860**
UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**

LOGIC

UNIT ASSEMBLY NO. **149016**
FILE IDENT **T39CIFC6**

REV. **E**
DATE **09-03-82**

INDEX **MPDBPDI**
PAGE **146**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA342	TLD	E4	33B		MPDBPD1	00	=		PRINTER DATA BIT P
XA342	TLD	E4	31B		(63)	01		MPDBCO MD0PBQ 59 31B 61 32B	
					MPDB1B1	00	=		
XA341	TLD	E1	31A		( )	01		MPDBID 66 31A	PRINTER DATA BIT 1
XA342	TLD	E1	31A		( )	02	+	MPCR1D 66 31A	PRINTER DATA BIT 1
XA341	TLD	E1	31A		MPDB1D	00	=		MPD1B1 BUSS
XA341	TLD	E1	32A		(66)	01		MPDBCO MD07BQ 68 32A 70 33A	
XA342	TLD	F1	37B		MPDB2D1	00	=		PRINTER DATA BIT 2
XA342	TLD	F1	38B		(75)	01		MPDBCO MD06BQ 77 38B 79 39B	
					MPDB3B1	00	=		
XA341	TLD	E2	28A		( )	01		MPDB3D 60 28A	PRINTER DATA BIT 3
XA342	TLD	E2	28A		( )	02	+	MPCR3D 60 28A	PRINTER DATA BIT 3
XA341	TLD	E2	28A		MPDB3D	00	=		MPD3B1 BUSS
XA341	TLD	E2	29A		(60)	01		MPDBCO MD05BQ 62 29A 64 30A	
					MPDB4B1	00	=		
XA341	TLD	E3	30B		( )	01		MPDB4D 57 30B	PRINTER DATA BIT 4
XA342	TLD	E3	30B		( )	02	+	MPCR4D 57 30B	PRINTER DATA BIT 4
XA341	TLD	E3	30B		MPDB4D	00	=		MPDB4B1 BUSS
XA341	TLD	E3	28B		(57)	01		MPDBCO MD04BQ 53 28B 55 29B	
XA342	TLD	F2	34A		MPDB5D1	00	=		PRINTER DATA BIT 5
XA342	TLD	F2	36A		(72)	01		MPDBCO MD03BQ 71 36A 73 36B	
XA341	TLD	F1	37B		MPDB6D1	00	=		PRINTER DATA BIT 6
XA341	TLD	F1	38B		(75)	01		MPDBCO MD02BQ 77 38B 79 39B	
XA341	TLD	F2	34A		MPDB7D1	00	=		PRINTER DATA BIT 7
XA341	TLD	F2	36A		(72)	01		MPDBCO MD01BQ 71 36A 73 36B	

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC / LITTON INDUSTRIES	DRAWING NUMBER **149016-860** / UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**	**LOGIC**	UNIT ASSEMBLY NO. **149016** / FILE IDENT **T39CIFC6**	REV. **E** / DATE **09-03-82** / INDEX **MPDSCA** / PAGE **147**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA317	TS8	B1	11	B	MPDSCA	00	=		PRINTER DATA STROBE 53-54 US
XA317	TS8	B1	09	A	(23)	01		MAE10P MAE14P MAE02P MAE04Q MPFLTP MPRTOP SPI1002 SPI1001 / 14 09A 18 10A 19 09B 20 11A 22 12A 24 13A 25 12B 26 14A	
XA323	TQ2	B3	10	B	MPDSCO	00	=		
XA323	TQ2	B3	08	B	(21)	01		MPDSCA MPCRSA / 17 08B 19 09B	
XA318	TD4	B1	11	B	MPFLIA	00	=		FAULT DETECT INHIBIT 96-98 US
XA318	TD4	B1	12	A	(23)	01		MAE13Q MAE14P MAE00Q MAE03P / 22 12A 24 13A 25 12B 26 14A	
XA324	TQ2	E4	33	B	MPFLTA	00	=		SET PRINTER FAULT F/F
XA324	TQ2	E4	31	B	(63)	01		MPFLTOX MPFLIA / 59 31B 61 32B	
XA344	DCF	D7	33	A	MPFLTDX	00	=		LINE PRINTER FAULTRECLVER
XA344	DCF	D7	36	A	(61)	01		SPI1018 / 72 36A	
					MPFLTI	00	=		
XA322	TDD	AI	06	A	( )	01		SPI1001 / 08 06A	
					MPFLTN	00	=		
XA322	TDD	AN	07	A	( )	01		SPI1002 / 10 07A	
XA322	TDD	AP	05	B	MPFLTP	00	=		
XA322	TDD	AP	05	A	(11)	01		MSRSOA / 06 05A	
XA322	TDD	AQ	06	B	MPFLTQ	00	=		
XA322	TDD	AQ	07	B	(13)	01		MPFLTA / 15 07B	LINE PRINTER FAULTF/F
XA344	DCF	D8	34	A	MPFLTOX	00	=		
XA344	DCF	D8	35	A	(68)	01		SPI1008 / 70 35A	
XA332	TS8	E1	31	B	MPINTA	00	=		END DEV COMMAND
XA332	TS8	E1	29	B	(59)	01		MPINTO MAE13Q MAE14P MAE00Q MAE01P MXCP3B SPI1013 SPI1015 / 55 29B 60 28A 61 32B 62 29A 64 30A 66 31A 68 32A 70 33A	
XA333	TT3	F1	36	B	MPINTO	00	=		
XA333	TT3	F1	37	B	(73)	01		MAE08R MPFLTP MPRTOP / 75 37B 77 38B 79 39B	

3-2880-1

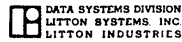|				
DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC / LITTON INDUSTRIES	DRAWING NUMBER 149016-860 / UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU	LOGIC	UNIT ASSEMBLY NO. 149016 / FILE IDENT T39CIFC6	REV. E INDEX MPRNTI / DATE 09-03-82 PAGE 148

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					MPRNTI	00	=		
XA329	TDD	FI	16A		( )	01		MPRNTO 34 16A	
					MPRNTN	00	=		
XA329	TDD	FN	15A		( )	01		MXDVIO 30 15A	
XA329	TDD	FP	16B		MPRNTP	00	=		
XA329	TDD	FP	17A		(33)	01		MXRSOB 36 17A	
XA329	TDD	FQ	15B		MPRNTQ	00	=		PRINT COMMAND F/F
XA329	TDD	FQ	14B		(31)	01		SPI1013 29 14B	
XA327	TQ2	B4	13B		MPRNTO	00	=		
XA327	TQ2	B4	11B		(27)	01		MXRAF7T SPI1014 23 11B 25 12B	
					MPRTOI	00	=		
XA321	TDD	AI	06A		( )	01		SPI1001 08 06A	
					MPRTON	00	=		
XA321	TDD	AN	07A		( )	01		SPI1002 10 07A	
XA321	TDD	AP	05B		MPRTOP	00	=		
XA321	TDD	AP	05A		(11)	01		MSRSOA 06 05A	
XA321	TDD	AQ	06B		MPRTOQ	00	=		PRINTER TIMEOUT FF
XA321	TDD	AQ	07B		(13)	01		MPTOCA 15 07B	
XA325	TT3	F1	36B		MPTOCA	00	=		SET PRINTER TIME OUT F/F
XA325	TT3	F1	37B		(73)	01		MAOENS MK22BQ MXCP3B 75 37B 77 38B 79 39B	
XA333	TT3	F2	35B		MSCI1A	00	=		REJECT NEW COMMAND IF NO BUSY
XA333	TT3	F2	34B		(74)	01		MSNC2S MBUSYR MXCP3B 65 34B 71 36A 72 34A	
XA317	TS8	E1	31B		MSNCOA	00	=		
XA317	TS8	E1	29B		(59)	01		MSNCOS MSNC2R MBUSYR MINT1A MXCP3B SPI1002 SPI1001 SPI1003 55 29B 60 28A 61 32B 62 29A 64 30A 66 31A 68 32A 70 33A	
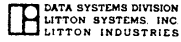
3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER	149016-860	LOGIC
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU	

UNIT ASSEMBLY NO.	149016	REV. E	INDEX	MSNCOR
FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	149

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA325	TT3	A3		07 B	MSNCOR	00	=		
XA325	TT3	A3		04 B	(15)	01		MSNCOS MINT1A MXRSOB 09 04B 11 05B 13 06B	
XA324	TQ2	A3		04 B	MSNCOS	00	=		DEV SYNC COUNTER BIT 0
XA324	TQ2	A3		02 A	(09)	01		MSNCOR MSYN1A 03 02A 07 03A	
XA323	TQ2	B1		12 A	MSNC1A	00	=		
XA323	TQ2	B1		13 A	(22)	01		MSNC2S MXCP3B 24 13A 26 14A	
XA325	TT3	C1		17 A	MSNC1R	00	=		
XA325	TT3	C1		18 A	(36)	01		MSNC1S MSNC1A MXRSOB 38 18A 40 19A 42 20A	
XA324	TQ2	C1		18 A	MSNC1S	00	=		DEV SYNC COUNTER BIT 1
XA324	TQ2	C1		19 A	(38)	01		MSNC1R MSNCOA 40 19A 42 20A	
XA327	TQ2	D2		21 A	MSNC2A	00	=		
XA327	TQ2	D2		22 A	(46)	01		MSNC1S MXCP1B 48 22A 50 23A	
XA325	TT3	C2		15 B	MSNC2R	00	=		
XA325	TT3	C2		14 B	(31)	01		MSNC2S MSNC3A MXRSOB 29 14B 30 15A 34 16A	
XA324	TQ2	C2		15 A	MSNC2S	00	=		DEV SYNCCOUNTER BIT 2
XA324	TQ2	C2		16 A	(30)	01		MSNC2R MSNC2A 34 16A 36 17A	
XA324	TQ2	B4		13 B	MSNC3A	00	=		
XA324	TQ2	B4		11 B	(27)	01		MSNC1R MXCP1B 23 11B 25 12B	
XA324	TQ2	F1		37 B	MSRSOA	00	=		
XA324	TQ2	F1		38 B	(75)	01		MSRS00 SPI1014 77 38B 79 39B	
XA325	TT3	E3		33 B	MSRS00	00	=		RESET ERROR REGISTER
XA325	TT3	E3		30 B	(63)	01		MSNC2A MXODRA MXRSOB 57 30B 59 31B 61 32B	
XA328	TQ2	B3		10 B	MSYN1A	00	=		START DEV COMMAND
XA328	TQ2	B3		08 B	(21)	01		MSYN10 MXDV10 17 08B 19 09B	

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS INC / LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO. 149016	REV. E	INDEX MSYN10
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 150

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA327	TQ2	B2	09A		MSYN10	00	=		
XA327	TQ2	B2	10A		(14)	01		MXRAF6T MXRAF7T 18 10A 20 11A	
					MXACMB4	00	=		
XA342	TLD	C2	15A		( )	01		MXACMD 30 15A	PORT A/B ENABLE LINE BUS
XA341	TLD	C2	15A		( )	02	+	MXBCMD 30 15A	PORT A/B COMMAND LINE BUS
XA342	TLD	C2	15A		MXACMD	00	=		MXACMB4 BUSS
XA342	TLD	C2	16A		(30)	01		MXAIFO MXACMOX 34 16A 36 17A	
XA345	DCF	C1	25B		MXACMDX	00	=		MBCMAB BUSS
XA345	DCF	C1	29A		(46)	01		MXAOEA 52 29A	
XA345	DCF	C2	26B		MXACMOX	00	=		
XA345	DCF	C2	27B		(47)	01		MXGN1A 49 27B	
XA328	TQ2	F4	39A		MXADEA	00	=		ODD/EVEN RECEIVER
XA328	TQ2	F4	37A		(80)	01		TXADE04 SPI1015 76 37A 78 38A	
XA336	TQ2	E4	33B		MXADRO	00	=		
XA336	TQ2	E4	31B		(63)	01		MXAD6A MXAD7A 59 31B 61 32B	
XA339	TQ2	F3	35A		MXAD6A	00	=		
XA339	TQ2	F3	34B		(69)	01		TXADE04 KMROCB 65 34B 74 35B	
XA339	TQ2	F4	39A		MXAD7A	00	=		
XA339	TQ2	F4	37A		(80)	01		MXADEA KMR7CB 76 37A 78 38A	
					MXAENB4	00	=		
XA342	TLD	C3	16B		( )	01		MXAEND 33 16B	
XA341	TLD	C3	16B		( )	02	+	MXBEND 33 16B	PORT A/B ENABLE LINE BUS
XA342	TLD	C3	16B		MXAEND	00	=		MXAENB4 BUSS
XA342	TLD	C3	14B		(33)	01		MXAIFO MXAENOX 29 14B 31 15B	
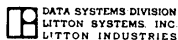
3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS. INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO. 149016	REV. E	INDEX MXAENDX
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 151

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA345	DCF	C3	30B		MXAENDX	00	=		MBENAB BUSS
XA345	DCF	C3	29A		(55)	01		MXAOEA 52 29A	
XA345	DCF	C4	29B		MXAENOX	00	=		
XA345	DCF	C4	28B		(56)	01		MXGN1A 51 28B	
XA339	TQ2	A1	05A		MXAIEA	00	=		
XA339	TQ2	A1	06A		(06)	01		MXASLOX MXXDRA 08 06A 10 07A	
XA340	TQ2	A2	02B		MXAIEO	00	=		PORT A DATA RECEIVE ENABLE
XA340	TQ2	A2	04A		(01)	01		MXAIEA SPI1017 04 04A 05 03B	
XA340	TQ2	A3	04B		MXAIFO	00	=		
XA340	TQ2	A3	02A		(09)	01		MXAIEA SPI1017 03 02A 07 03A	
XA345	DCF	C5	31B		MXAINDX	00	=		MBINAB BUSS
XA345	DCF	C5	29A		(60)	01		MXAOEA 52 29A	
XA345	DCF	C6	31A		MXAINOX	00	=		
XA345	DCF	C6	30A		(57)	01		MXDBIO 54 30A	
					MXAPCB4	00	=		
XA342	TLD	C1	18A		( )	01		MXAPCD 38 18A	PORT A/B PARITY LINE BUS
XA341	TLD	C1	18A		( )	02	+	MXBPCD 38 18A	PORT A/B PARITY LINE BUS
XA342	TLD	C1	18A		MXAPCD	00	=		MXAPCB4 BUSS
XA342	TLD	C1	19A		(38)	01		MXAIFO MXAPCOX 40 19A 42 20A	
XA345	DCF	C7	25A		MXAPCDX	00	=		MBOPAB BUSS
XA345	DCF	C7	29A		(43)	01		MXAOEA 52 29A	
XA345	DCF	C8	26A		MXAPCOX	00	=		
XA345	DCF	C8	28A		(48)	01		KXDSBPR 50 28A	
XA338	TD4	E1	31B		MXARQA	00	=		
XA338	TD4	E1	32B		(59)	01		MXASLOX MXINHR DEVINH MXXROQ 61 32B 66 31A 68 32A 70 33A	

3-2860-1

151

DATA SYSTEMS DIVISION
LITTON SYSTEMS. INC
LITTON INDUSTRIES

DRAWING NUMBER **149016-860**
UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**

LOGIC

UNIT ASSEMBLY NO. **149016**
FILE IDENT **T39CIFC6**
REV. **F**
DATE **09-03-82**
INDEX **MXARQO**
PAGE **152**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA328	TQ2	E1	31A		MXARQO	00	=		PORT A REQUEST
XA328	TQ2	E1	32A		(66)	01		MXARQA SPI1015	
								68 32A 70 33A	
XA333	TT3	B1	11A		MXARSA	00	=		PORT A IOU RESET
XA333	TT3	B1	12A		(20)	01		MXACMOX MXAENOX MXASLOX	
								22 12A 24 13A 26 14A	
XA342	TLD	D1	24A		MXAR6D1	00	=		
XA342	TLD	D1	25A		(52)	01		TXADE04 MXARQO	
								54 25A 56 26A	
XA342	TLD	D2	21A		MXAR7D1	00	=		PORT A REQUEST ODD
XA342	TLD	D2	22A		(46)	01		MXADEA MXARQO	
								48 22A 50 23A	
XA339	TQ2	B1	12A		MXASLA	00	=		PORT A SELECT
XA339	TQ2	B1	13A		(22)	01		MXASLOX SPI1017	
								24 13A 26 14A	
XA344	DCF	D1	32B		MXASLDX	00	=		KXASLB BUSS
XA344	DCF	D1	36A		(65)	01		SPI1018	
								72 36A	
XA344	DCF	D2	33B		MXASLOX	00	=		
XA344	DCF	D2	34B		(69)	01		SPI1019	
								71 34B	
XA345	DCF	D1	32B		MXASTDX4	00	=		KXASTB BUSS
XA345	DCF	D1	36A		(65)	01		MXGN1A	
								72 36A	
XA345	DCF	D2	33B		MXASTOX	00	=		
XA345	DCF	D2	34B		(69)	01		MXASLOX	
								71 34B	
					MXAOCB4	00	=		
XA342	TLD	A1	05A		( )	01		MXAOCD	PORT A/B DATA LINE0 BUS
								06 05A	
XA341	TLD	A1	05A		( )	02	+	MXBOCD	PORT A/B DATA LINE0 BUS
								06 05A	
XA342	TLD	A1	05A		MXAOCD	00	=		MXAOCB4 BUSS
XA342	TLD	A1	06A		(06)	01		MXAIEO MXAOCOX	
								08 06A 10 07A	
XA345	DCF	A1	02B		MXAOCDX	00	=		MB00AB BUSS
XA345	DCF	A1	05A		(07)	01		MXAOEA	
								06 05A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

| DRAWING NUMBER | 149016-860 |
| UNIT ASSEMBLY NAME | CARD CAGE ASSY,A,IFCU |

LOGIC

| UNIT ASSEMBLY NO. | 149016 | REV. E | INDEX | MXA0C0X |
| FILE IDENT | T39CIFC6 | DATE | 09-03-82 | PAGE | 153 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA345	DCF	A2	03	B	MXA0C0X	00	=		
XA345	DCF	A2	04	B	(09)	01		KM031B	
								11 04B	
XA338	TD4	A1	05	B	MXA0EA	00	=		PORT B DATA SEND ENABLE
XA338	TD4	A1	05	A	(11)	01		MXASL0X MXINHR DEVINH MXXCS0	
								06 05A 08 06A 10 07A 13 06B	
					MXA1CB4	00	=		
XA342	TLD	A2	02	B	( )	01		MXA1CD	
								01 02B	
XA341	TLD	A2	02	B	( )	02	+	MXB1CD	
								01 02B	
XA342	TLD	A2	02	B	MXA1CD	00	=		MXA1CB4 BUSS
XA342	TLD	A2	04	A	(01)	01		MXA1E0 MXA1C0X	
								04 04A 05 03B	
XA345	DCF	A3	07	B	MXA1CDX	00	=		MB01AB BUSS
XA345	DCF	A3	05	A	(17)	01		MXA0EA	
								06 05A	
XA345	DCF	A4	06	B	MXA1C0X	00	=		
XA345	DCF	A4	05	B	(15)	01		KM032B	
								13 05B	
					MXA2CB4	00	=		
XA342	TLD	A3	04	B	( )	01		MXA2CD	
								09 04B	
XA341	TLD	A3	04	B	( )	02	+	MXB2CD	
								09 04B	
XA342	TLD	A3	04	B	MXA2CD	00	=		MXA2CB4 BUSS
XA342	TLD	A3	02	A	(09)	01		MXA1E0 MXA2C0X	
								03 02A 07 03A	
XA345	DCF	A5	08	B	MXA2CDX	00	=		MB02AB BUSS
XA345	DCF	A5	05	A	(14)	01		MXA0EA	
								06 05A	
XA345	DCF	A6	07	A	MXA2C0X	00	=		
XA345	DCF	A6	06	A	(10)	01		KM033B	
								08 06A	
					MXA3CB4	00	=		
XA342	TLD	A4	07	B	( )	01		MXA3CD	
								15 07B	
XA341	TLD	A4	07	B	( )	02	+	MXB3CD	
								15 07B	

3-2880-1

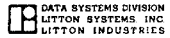| | DATA SYSTEMS DIVISION
LITTON SYSTEMS INC
LITTON INDUSTRIES | DRAWING NUMBER
UNIT ASSEMBLY NAME | 149016-860
CARD CAGE ASSY,A,IFCU | | LOGIC | | UNIT ASSEMBLY NO. I49016
FILE IDENT T39CIFC6 | | REV. E INDEX MXA3CD
DATE 09-03-82 PAGE 154 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA342	TLD	A4	07B		MXA3CD	00	=		MXA3CB4 BUSS
XA342	TLD	A4	05B		(15)	01		MXAIEO MXA3COX 11 05B 13 06B	
XA345	DCF	A7	02A		MXA3CDX	00	=		MB03AB BUSS
XA345	DCF	A7	05A		(01)	01		MXA0EA 06 05A	
XA345	DCF	A8	03A		MXA3COX	00	=		
XA345	DCF	A8	04A		(03)	01		KM034B 04 04A	
					MXA4CB4	00	=		
XA342	TLD	B1	12A		( )	01		MXA4CD 22 12A	
XA341	TLD	B1	12A		( )	02	+	MXB4CD 22 12A	
XA342	TLD	B1	12A		MXA4CD	00	=		MXA4CB4 BUSS
XA342	TLD	B1	13A		(22)	01		MXAIEO MXA4COX 24 13A 26 14A	
XA345	DCF	B1	10B		MXA4CDX	00	=		MB04AB BUSS
XA345	DCF	B1	13A		(27)	01		MXA0EA 36 13A	
XA345	DCF	B2	11B		MXA4COX	00	=		
XA345	DCF	B2	12B		(29)	01		KM471B 31 12B	
					MXA5CB4	00	=		
XA342	TLD	B2	09A		( )	01		MXA5CD 14 09A	
XA341	TLD	B2	09A		( )	02	+	MXB5CD 14 09A	
XA342	TLD	B2	09A		MXA5CD	00	=		MXA5CB4 BUSS
XA342	TLD	B2	10A		(14)	01		MXAIEO MXA5COX 18 10A 20 11A	
XA345	DCF	B3	15B		MXA5CDX	00	=		MB05AB BUSS
XA345	DCF	B3	13A		(37)	01		MXA0EA 36 13A	
XA345	DCF	B4	14B		MXA5COX	00	=		
XA345	DCF	B4	13B		(35)	01		KM472B 33 13B	

3-2680-1

DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860			LOGIC		UNIT ASSEMBLY NO.	149016		REV. E		INDEX	MXA6CB4
	UNIT ASSEMBLY NAME	CARD CAGE ASSY, A, IFCU					FILE IDENT	T39CIFC6		DATE	09-03-82	PAGE	155

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR			COMMENT
					MXA6CB4	00	=				
XA342	TLD	B3	10B		( )	01		MXA6CD 21 10B			
XA341	TLD	B3	10B		( )	02	+	MXB6CD 21 10B			
XA342	TLD	B3	10B		MXA6CD	00	=			MXA6CB4 BUSS	
XA342	TLD	B3	08B		(21)	01		MXAIEO MXA6COX 17 08B 19 09B			
XA345	DCF	B5	16A		MXA6CDX	00	=			MB06AB BUSS	
XA345	DCF	B5	13A		(41)	01		MXAOEA 36 13A			
XA345	DCF	B6	15A		MXA6COX	00	=				
XA345	DCF	B6	14A		(40)	01		KM473B 38 14A			
					MXA7CB4	00	=				
XA342	TLD	B4	13B		( )	01		MXA7CD 27 13B			PORT A/B DATA LINEBUS
XA341	TLD	B4	13B		( )	02	+	MXB7CD 27 13B			PORT A/B DATA LINE7 BUS
XA342	TLD	B4	13B		MXA7CD	00	=			MXA7CB4 BUSS	
XA342	TLD	B4	11B		(27)	01		MXAIEO MXA7COX 23 11B 25 12B			
XA345	DCF	B7	10A		MXA7CDX	00	=			MB07AB BUSS	
XA345	DCF	B7	13A		(23)	01		MXAOEA 36 13A			
XA345	DCF	B8	11A		MXA7COX	00	=				
XA345	DCF	B8	12A		(30)	01		KM474B 34 12A			
XA341	TLD	C2	15A		MXBCMD	00	=			MXACMB4 BUSS	
XA341	TLD	C2	16A		(30)	01		MXBIFO MXBCMOX 34 16A 36 17A			
XA344	DCF	C1	25B		MXBCMDX	00	=			MBCMBB BUSS	
XA344	DCF	C1	29A		(46)	01		MXBOEA 52 29A			
XA344	DCF	C2	26B		MXBCMOX	00	=				
XA344	DCF	C2	27B		(47)	01		MXGN1A 49 27B			

3-2880-1

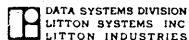| | DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX MXBEND PAGE 156 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA341	TLD	C3	16	B	MXBEND	00	=		MXAENB4 BUSS
XA341	TLD	C3	14	B	(33)	01		MXBIFO MXBENOX 29 14B 31 15B	
XA344	DCF	C3	30	B	MXBENDX	00	=		MBENBB BUSS
XA344	DCF	C3	29	A	(55)	01		MXBOEA 52 29A	
XA344	DCF	C4	29	B	MXBENOX	00	=		
XA344	DCF	C4	28	B	(56)	01		MXGN1A 51 28B	
XA339	TQ2	A2	02	B	MXBIEA	00	=		
XA339	TQ2	A2	04	A	(01)	01		MXBSLOX MXXDRA 04 04A 05 03B	
XA340	TQ2	A4	07	B	MXBIEO	00	=		PORT B DATA RECEIVE ENABLE
XA340	TQ2	A4	05	B	(15)	01		MXBIEA SPI1017 11 05B 13 06B	
XA340	TQ2	B1	12	A	MXBIFO	00	=		
XA340	TQ2	B1	13	A	(22)	01		MXBIEA SPI1017 24 13A 26 14A	
XA344	DCF	C5	31	B	MXBINDX	00	=		MBINBB BUSS
XA344	DCF	C5	29	A	(60)	01		MXBOEA 52 29A	
XA344	DCF	C6	31	A	MXBINOX	00	=		
XA344	DCF	C6	30	A	(57)	01		MXDBIO 54 30A	
XA341	TLD	C1	18	A	MXBPCD	00	=		MXAPCB4 BUSS
XA341	TLD	C1	19	A	(38)	01		MXBIFO MXBPCOX 40 19A 42 20A	
XA344	DCF	C7	25	A	MXBPCDX	00	=		MBOPBB BUSS
XA344	DCF	C7	29	A	(43)	01		MXBOEA 52 29A	
XA344	DCF	C8	26	A	MXBPCOX	00	=		
XA344	DCF	C8	28	A	(48)	01		KXDSBPR 50 28A	
XA338	TD4	E2	30	B	MXBRQA	00	=		
XA338	TD4	E2	29	B	(57)	01		MXBSLOX MXINHR DEVINH MXXROQ 55 29B 60 28A 62 29A 64 30A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES		DRAWING NUMBER **149016-860** UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**			LOGIC		UNIT ASSEMBLY NO. **149016** FILE IDENT **T39CIFC6**	REV. **E** INDEX **MXBRQO** DATE **09-03-82** PAGE **157**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA328	TQ2	E2	28A		MXBRQO	00	=		PORT B REQUEST
XA328	TQ2	E2	29A		(60)	01		MXBRQA SPI1015 62 29A 64 30A	
XA333	TT3	B2	09B		MXBRSA	00	=		PORT B IOU RESET
XA333	TT3	B2		09A	(19)	01		MXBCMOX MXBENOX MXBSLOX 14 09A 17 08B 18 10A	
XA342	TLD	D3	24B		MXBR6D1	00	=		PORT B REQUEST EVN
XA342	TLD	D3	22B		(45)	01		TXADE04 MXBRQO 41 22B 43 23B	
XA342	TLD	D4	27B		MXBR7D1	00	=		PORT A REQUEST EVN
XA342	TLD	D4	25B		(51)	01		MXADEA MXBRQO 47 25B 49 26B	
XA339	TQ2	B2	09A		MXBSLA	00	=		PORT B SELECT
XA339	TQ2	B2	10A		(14)	01		MXBSLOX SPI1017 18 10A 20 11A	
XA344	DCF	D3	37B		MXBSLDX	00	=		KXBSLB BUSS
XA344	DCF	D3		36A	(78)	01		SPI1018 72 36A	
XA344	DCF	D4	36B		MXBSLOX	00	=		
XA344	DCF	D4	35B		(75)	01		SPI1004 73 35B	
XA345	DCF	D3	37B		MXBSTDX4	00	=		KXBSTB BUSS
XA345	DCF	D3		36A	(78)	01		MXGN1A 72 36A	
XA345	DCF	D4	36B		MXBSTOX	00	=		
XA345	DCF	D4	35B		(75)	01		MXBSLOX 73 35B	
XA341	TLD	A1	05A		MXBOCD	00	=		MXAOCB4 BUSS
XA341	TLD	A1	06A		(06)	01		MXBIEO MXBOCOX 08 06A 10 07A	
XA344	DCF	A1	02B		MXBOCDX	00	=		MBOOBB BUSS
XA344	DCF	A1		05A	(07)	01		MXBOEA 06 05A	
XA344	DCF	A2	03B		MXBOCOX	00	=		
XA344	DCF	A2	04B		(09)	01		KM031B 11 04B	

3-2880-1

| | DATA SYSTEMS DIVISION LITTON SYSTEMS. INC. LITTON INDUSTRIES | DRAWING NUMBER UNIT ASSEMBLY NAME | 149016-860 CARD CAGE ASSY,A,IFCU | | LOGIC | | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX MXB0EA PAGE 158 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA338	TD4	A2	04B		MXB0EA	00	=		PORT B DATA SEND ENABLE
XA338	TD4	A2	02B		(09)	01		MXBSLOX MXINHR DEVINH MXXCS0 01 02B 04 04A 05 03B 07 03A	
XA341	TLD	A2	02B		MXB1CD	00	=		MXA1CB4 BUSS
XA341	TLD	A2	04A		(01)	01		MXBIEO MXB1COX 04 04A 05 03B	
XA344	DCF	A3	07B		MXB1CDX	00	=		MB01BB BUSS
XA344	DCF	A3	05A		(17)	01		MXB0EA 06 05A	
XA344	DCF	A4	06B		MXB1COX	00	=		
XA344	DCF	A4	05B		(15)	01		KM032B 13 05B	
XA341	TLD	A3	04B		MXB2CD	00	=		MXA2CB4 BUSS
XA341	TLD	A3	02A		(09)	01		MXBIEO MXB2COX 03 02A 07 03A	
XA344	DCF	A5	08B		MXB2CDX	00	=		MB02BB BUSS
XA344	DCF	A5	05A		(14)	01		MXB0EA 06 05A	
XA344	DCF	A6	07A		MXB2COX	00	=		
XA344	DCF	A6	06A		(10)	01		KM033B 08 06A	
XA341	TLD	A4	07B		MXB3CD	00	=		MXA3CB4 BUSS
XA341	TLD	A4	05B		(15)	01		MXBIEO MXB3COX 11 05B 13 06B	
XA344	DCF	A7	02A		MXB3CDX	00	=		MB03BB BUSS
XA344	DCF	A7	05A		(01)	01		MXB0EA 06 05A	
XA344	DCF	A8	03A		MXB3COX	00	=		
XA344	DCF	A8	04A		(03)	01		KM034B 04 04A	
XA341	TLD	B1	12A		MXB4CD	00	=		MXA4CB4 BUSS
XA341	TLD	B1	13A		(22)	01		MXBIEO MXB4COX 24 13A 26 14A	
XA344	DCF	B1	10B		MXB4CDX	00	=		MB04BB BUSS
XA344	DCF	B1	13A		(27)	01		MXB0EA 36 13A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY, A, IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX MXB4COX
PAGE 159

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA344	DCF	B2	11B	MXB4COX	00	=		
XA344	DCF	B2	12B	(29)	01		KM471B 31 12B	
XA341	TLD	B2	09A	MXB5CD	00	=		MXA5CB4 BUSS
XA341	TLD	B2	10A	(14)	01		MXBIEO MXB5COX 18 10A 20 11A	
XA344	DCF	B3	15B	MXB5CDX	00	=		MB05BB BUSS
XA344	DCF	B3	13A	(37)	01		MXBOEA 36 13A	
XA344	DCF	B4	14B	MXB5COX	00	=		
XA344	DCF	B4	13B	(35)	01		KM472B 33 13B	
XA341	TLD	B3	10B	MXB6CD	00	=		MXA6CB4 BUSS
XA341	TLD	B3	08B	(21)	01		MXBIEO MXB6COX 17 08B 19 09B	
XA344	DCF	B5	16A	MXB6CDX	00	=		MB06BB BUSS
XA344	DCF	B5	13A	(41)	01		MXBOEA 36 13A	
XA344	DCF	B6	15A	MXB6COX	00	=		
XA344	DCF	B6	14A	(40)	01		KM473B 38 14A	
XA341	TLD	B4	13B	MXB7CD	00	=		MXA7CB4 BUSS
XA341	TLD	B4	11B	(27)	01		MXBIEO MXB7COX 23 11B 25 12B	
XA344	DCF	B7	10A	MXB7CDX	00	=		MB07BB BUSS
XA344	DCF	B7	13A	(23)	01		MXBOEA 36 13A	
XA344	DCF	B8	11A	MXB7COX	00	=		
XA344	DCF	B8	12A	(30)	01		KM474B 34 12A	
XA338	TD4	F1	37A	MXCAOA	00	=		SET COMMAND ADDRESS F/F
XA338	TD4	F1	37B	(76)	01		MXADRO MXRCMS MXX050 MXROPA 75 37B 77 38B 78 38A 79 39B	
XA332	TS8	A1	05B	MXCA1A	00	=		DEV COMND BYTE 1 COMMON TERMS
XA332	TS8	A1	02B	(11)	01		MXCMAS MXXB10 MXXAOP MXXA1Q KMRPCB KMROCB MXR1CR MXR2CR 01 02B 04 04A 05 03B 06 05A 07 03A 08 06A 10 07A 13 06B	

3-2880-1

DATA SYSTEMS DIVISION **LITTON SYSTEMS INC** **LITTON INDUSTRIES**	DRAWING NUMBER	149016-860		LOGIC	UNIT ASSEMBLY NO. 149016	REV. E INDEX MXCA10
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU			FILE IDENT T39CIFC6	DATE 09-03-82 PAGE 160

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA336	TQ2	B4	13B	MXCA10	00	=		
XA336	TQ2	B4	11B	(27)	01		MXCA1A SPI1016 23 11B 25 12B	
XA338	TD4	B1	11B	MXCMAR	00	=		
XA338	TD4	B1	12A	(23)	01		MXCMAS MXX04A MXXB2A MXRSOB 22 12A 24 13A 25 12B 26 14A	
XA336	TQ2	B1	12A	MXCMAS	00	=		COMMAND ADDRESS FF
XA336	TQ2	B1	13A	(22)	01		MXCMAR MXCAOA 24 13A 26 14A	
XA328	TQ2	A2	02B	MXCP00	00	=		MXCP1B BUSS
XA328	TQ2	A2	04A	(01)	01		MXCP1A SPI1014 04 04A 05 03B	
XA327	TQ2	A4	07B	MXCP1A	00	=		PHASE 1 OF 2 PHASECLOCK
XA327	TQ2	A4	05B	(15)	01		MX1MAP MX1MBQ 11 05B 13 06B	
				MXCP1B	00	=		
XA328	TQ2	A3	04B	( )	01		MXCP10 09 04B	CLOCK PHASE 1 BUS
XA328	TQ2	A4	07B	( )	02	+	MXCP20 15 07B	CLOCK PHASE 1 BUS
XA328	TQ2	A2	02B	( )	03	+	MXCP00 01 02B	CLOCK PHASE 1 BUS
XA328	TQ2	A3	04B	MXCP10	00	=		MXCP1B BUSS
XA328	TQ2	A3	02A	(09)	01		MXCP1A SPI1014 03 02A 07 03A	
XA328	TQ2	A4	07B	MXCP20	00	=		MXCP1B BUSS
XA328	TQ2	A4	05B	(15)	01		MXCP1A SPI1014 11 05B 13 06B	
XA328	TQ2	B2	09A	MXCP3A	00	=		PHASE 3 OF 2 PHASECLOCK
XA328	TQ2	B2	10A	(14)	01		MX1MAQ MX1MBP 18 10A 20 11A	
				MXCP3B	00	=		
XA327	TQ2	A2	02B	( )	01		MXCP30 MXCP40 01 02B 09 04B	
XA327	TQ2	A2	02B	MXCP30	00	=		MXCP3B BUSS
XA327	TQ2	A2	04A	(01)	01		MXCP3A SPI1014 04 04A 05 03B	
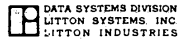
3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER	149016-860	
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU	

LOGIC

UNIT ASSEMBLY NO.	149016	REV. E
FILE IDENT	T39CIFC6	INDEX MXCP40
DATE	09-03-82	PAGE 161

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA327	TQ2	A3	04B		MXCP40	00	=		MXCP3B BUSS
XA327	TQ2	A3	02A		(09)	01		MXCP3A SPI1014 03 02A 07 03A	
XA333	TT3	E3	33B		MXDBIO	00	=		INPUT INDICATOR CONTROL
XA333	TT3	E3	30B		(63)	01		MXXCIP MXXDIP MXXDSP 57 30B 59 31B 61 32B	
XA323	TQ2	F2	34A		MXDBSO	00	=		INPUT MUX STATUS SELECT
XA323	TQ2	F2	36A		(72)	01		MXXDIP MXXDSP 71 36A 73 36B	
XA319	MUX	D1	27B		MXDBOTA	00	=		INPUT DATA MUX BITS 0-1-2-3
XA319	MUX	D1	25B		(55)	01		MD00BQ MXGN1A KMXCIB MXDBSO 51 25B 53 26B 52 25A 49 24B	
XA319	MUX	D2	31B		MXDBOTB	00	=		
XA319	MUX	D2	29B		(61)	01		MD01BQ MXGN2A 57 29B 59 30B	
XA319	MUX	D3	28A		MXDBOTC	00	=		
XA319	MUX	D3	26A		(60)	01		MD02BQ MXGN3A 54 26A 56 28B	
XA319	MUX	D4	31A		MXDBOTD	00	=		
XA319	MUX	D4	29A		(63)	01		MD03BQ MPRTOQ 62 29A 64 30A	
XA319	MUX	E1	34B		MXDB4TA	00	=		INPUT DATA MUX BITS 4-5-6-7
XA319	MUX	E1	32A		(73)	01		MD04BQ MPFLTQ KMXCIB MXDBSO 69 32A 71 33B 68 33A 66 32B	
XA319	MUX	E2	37B		MXDB4TB	00	=		
XA319	MUX	E2	35B		(79)	01		MD05BQ MCDERQ 75 35B 77 36B	
XA319	MUX	E3	36A		MXDB4TC	00	=		
XA319	MUX	E3	34A		(74)	01		MD06BQ MAOENS 70 34A 72 35A	
XA319	MUX	E4	38B		MXDB4TD	00	=		
XA319	MUX	E4	37A		(80)	01		MD07BQ MPBZYO 76 37A 78 38A	
XA328	TQ2	C1	18A		MXDEVA	00	=		
XA328	TQ2	C1	19A		(38)	01		KMR3CB SPI1015 40 19A 42 20A	
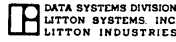
3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU	LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E INDEX MXDEVR DATE 09-03-82 PAGE 162

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA338	TD4	C2	16B		MXDEVR	00	=		
XA338	TD4	C2		15A	(33)	01		MXDEVS MXXB0A MXXB3A MXRSOB 30 15A 31 15B 34 16A 36 17A	
XA336	TQ2	C2	15A		MXDEVS	00	=		DEVICE COMMAND F/FMAYBE BSY
XA336	TQ2	C2		16A	(30)	01		MXDEVR MXDV0A 34 16A 36 17A	
XA327	TQ2	B1	12A		MXDEVO	00	=		
XA327	TQ2	B1		13A	(22)	01		MXDEVA SPI1014 24 13A 26 14A	
XA326	TD4	A2	04B		MXDPEA	00	=		AUTO OUTPUT COMND PARITY ER
XA326	TD4	A2		02B	(09)	01		MPRNTQ MXENAS KXROPPR MXXA50 01 02B 04 04A 05 03B 07 03A	
XA328	TQ2	C2	15A		MXDVCO	00	=		
XA328	TQ2	C2		16A	(30)	01		MXR090T SPI1015 34 16A 36 17A	
XA338	TD4	C1	17B		MXDVSR	00	=		
XA338	TD4	C1		18B	(35)	01		MXDVSS MXXB0A MXXB3A MXRSOB 37 18B 38 18A 40 19A 42 20A	
XA336	TQ2	C1	18A		MXDVSS	00	=		DEVICE COMMAND F/FNO BUSY
XA336	TQ2	C1		19A	(38)	01		MXDVSR MXDV5A 40 19A 42 20A	
XA326	TD4	C1	17B		MXDV0A	00	=		SET DEVICE COMMANDF/F
XA326	TD4	C1		18B	(35)	01		MXCA10 MXDEVO MXDVCO MBUSYA 37 18B 38 18A 40 19A 42 20A	
XA332	TS8	C1	17B		MXDV1A	00	=		
XA332	TS8	C1		15A	(35)	01		MXDEVS MXXB20 MXXAOP MXXA1Q MXROPA SPI1003 SPI1013 SPI1015 30 15A 31 15B 34 16A 36 17A 37 18B 38 18A 40 19A 42 20A	
XA324	TQ2	F2	34A		MXDV10	00	=		DEV COMMAND DATA BYTE STROBE
XA324	TQ2	F2		36A	(72)	01		MXDV1A SPI1014 71 36A 73 36B	
XA333	TT3	A3	07B		MXDV5A	00	=		SET DEV COMND F/F NO BUSY
XA333	TT3	A3		04B	(15)	01		MXCA10 MXDEVO MXDVCO 09 04B 11 05B 13 06B	
XA326	TD4	A1	05B		MXEA0A	00	=		SET ENABLE ADDRESSF/F
XA326	TD4	A1		05A	(11)	01		MXADRO MXRENS MXX050 MXROPA 06 05A 08 06A 10 07A 13 06B	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	MXEA00
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU			FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	163

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA324	TQ2	F4	39	A	MXEA00	00	=		
XA324	TQ2	F4	37	A	(80)	01		MXEA0A SPI1014	
								76 37A 78 38A	
XA333	TT3	C1	17	A	MXEB0A	00	=		COMMAND IS EOB
XA333	TT3	C1	18	A	(36)	01		MXCA10 MXEOB0 MXDEVA	
								38 18A 40 19A 42 20A	
					MXEB0I	00	=		
XA329	TDD	DI	10	A	( )	01		MXGN1A	
								18 10A	
					MXEB0N	00	=		
XA329	TDD	DN	09	A	( )	01		MXEB1A	
								14 09A	
XA329	TDD	DP	10	B	MXEB0P	00	=		
XA329	TDD	DP	11	A	(21)	01		MXRS0B	
								20 11A	
XA329	TDD	DQ	09	B	MXEB0Q	00	=		EOB SYNC COUNTER BIT 0
XA329	TDD	DQ	08	B	(19)	01		MXEB0A	
								17 08B	
XA328	TQ2	D3	24	B	MXEB1A	00	=		
XA328	TQ2	D3	22	B	(45)	01		MXEB1Q MXCP3B	
								41 22B 43 23B	
					MXEB1I	00	=		
XA331	TDD	DI	10	A	( )	01		MXEB0Q	
								18 10A	
					MXEB1N	00	=		
XA331	TDD	DN	09	A	( )	01		MXCP1B	
								14 09A	
XA331	TDD	DP	10	B	MXEB1P	00	=		
XA331	TDD	DP	11	A	(21)	01		MXRS0B	
								20 11A	
XA331	TDD	DQ	09	B	MXEB1Q	00	=		EOB SYNC COUNTER BIT 1
XA331	TDD	DQ	08	B	(19)	01		SPI1013	
								17 08B	
XA326	TD4	B1	11	B	MXED0A	00	=		AUTO OUTPUT DATA STROBE
XA326	TD4	B1	12	A	(23)	01		MPRNTQ MXENAS MXXB10 MXXA50	
								22 12A 24 13A 25 12B 26 14A	

3-2880-1

| | DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES | DRAWING NUMBER
UNIT ASSEMBLY NAME | 149016-860
CARD CAGE ASSY,A,IFCU | | LOGIC | | UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6 | | REV. E
DATE 09-03-82 | INDEX MXENAR
PAGE 164 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA338	TD4	B2	10B	MXENAR	00	=		
XA338	TD4	B2	09A	(21)	01		MXENAS MXX04A MXXB2A MXRSOB 14 09A 18 10A 19 09B 20 11A	
XA336	TQ2	B3	10B	MXENAS	00	=		ENABLE ADDRESS F/F
XA336	TQ2	B3	08B	(21)	01		MXENAR MXEAOA 17 03B 19 09B	
XA328	TQ2	D1	24A	MXEOBO	00	=		
XA328	TQ2	D1	25A	(52)	01		MXRO92T SPI1015 54 25A 56 26A	
XA339	TQ2	A3	04B	MXGN1A	00	=		SOFT GROUND
XA339	TQ2	A3	02A	(09)	01		SPI1013 SPI1017 03 02A 07 03A	
XA336	TQ2	C4	19B	MXGN2A	00	=		
XA336	TQ2	C4	17B	(39)	01		SPI1016 SPI1013 35 17B 37 18B	
XA327	TQ2	D4	27B	MXGN3A	00	=		
XA327	TQ2	D4	25B	(51)	01		SPI1013 SPI1014 47 25B 49 26B	
XA327	TQ2	D1	24A	MXHSTO	00	=		
XA327	TQ2	D1	25A	(52)	01		MXRO91T SPI1014 54 25A 56 26A	
XA333	TT3	C2	15B	MXHSOA	00	=		COMMAND IS STOP
XA333	TT3	C2	14B	(31)	01		MXCA10 MXHSTO MXDEVA 29 14B 30 15A 34 16A	
XA336	TQ2	A4	07B	MXINHR	00	=		
XA336	TQ2	A4	05B	(15)	01		MXINHS MXINOA 11 05B 13 06B	
XA333	TT3	A2	03A	MXINHS	00	=		DATA SEND INHIBIT F/F
XA333	TT3	A2	02B	(07)	01		MXINHR MXRSOB MXONLO 01 02B 03 02A 05 03B	
XA333	TT3	D2	23B	MXINOA	00	=		
XA333	TT3	D2	22B	(43)	01		MXRSOB MXRCMS MXONLO 41 22B 46 21A 48 22A	
XA327	TQ2	C4	19B	MXIRCO	00	=		
XA327	TQ2	C4	17B	(39)	01		MXRO94T SPI1014 35 17B 37 18B	

3-2880-1

DATA SYSTEMS DIVISION — LITTON SYSTEMS INC. — LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016   REV. E   INDEX MXIROA
FILE IDENT T39CIFC6   DATE 09-03-82   PAGE 165

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA333	TT3	B3	13	B	MXIROA	00	=		COMMAND IS ITR
XA333	TT3	B3	10	B	(27)	01		MXCA10 MXIRCO MXDEVA 21 10B 23 11B 25 12B	
					MXIROI	00	=		
XA329	TDD	CI	13	A	( )	01		MXGN1A 24 13A	
					MXIRON	00	=		
XA329	TDD	CN	14	A	( )	01		MXIR1A 26 14A	
XA329	TDD	CP	11	B	MXIROP	00	=		
XA329	TDD	CP	12	A	(23)	01		MXRSOB 22 12A	
XA329	TDD	CQ	12	B	MXIROQ	00	=		ITR SYNC COUNTER BIT 0
XA329	TDD	CQ	13	B	(25)	01		MXIROA 27 13B	
XA328	TQ2	B4	13	B	MXIR1A	00	=		
XA328	TQ2	B4	11	B	(27)	01		MXIR1Q MXCP3B 23 11B 25 12B	
					MXIR1I	00	=		
XA330	TDD	DI	10	A	( )	01		MXIROQ 18 10A	
					MXIR1N	00	=		
XA330	TDD	DN	09	A	( )	01		MXCP1B 14 09A	
XA330	TDD	DP	10	B	MXIR1P	00	=		
XA330	TDD	DP	11	A	(21)	01		MXRSOB 20 11A	
XA330	TDD	DQ	09	B	MXIR1Q	00	=		ITR SYNC COUNTER BIT 1
XA330	TDD	DQ	08	B	(19)	01		SPI1013 17 08B	
XA339	TQ2	A4	07	B	MXPRSA	00	=		CAP PANEL RESET
XA339	TQ2	A4	05	B	(15)	01		MXPRSOX SPI1017 11 05B 13 06B	
XA344	DCF	D5	38	B	MXPRSDX	00	=		KXPRSB BUSS
XA344	DCF	D5	36	A	(80)	01		SPI1018 72 36A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES		DRAWING NUMBER UNIT ASSEMBLY NAME	149016-860 CARD CAGE ASSY,A,IFCU		LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX MXPRSOX PAGE 166	
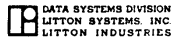
CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA344	DCF	D6	38A		MXPRSOX	00	=		
XA344	DCF	D6	37A		(76)	01		SPI1006 74 37A	
XA335	DBC	A1	04A		MXRAFOT	00	=		DATA BYTE DECODER A TO E
XA335	DBC	A1	02A		(08)	01		KMR7CB 04 02A	
XA335	DBC	A2	05A		MXRAF1T	00	=		
XA335	DBC	A2	03A		(10)	01		KMR6CB 06 03A	
XA335	DBC	A3	06A		MXRAF2T	00	=		
XA335	DBC	A3	02B		(14)	01		KMR5CB 03 02B	
XA335	DBC	A4	07A		MXRAF3T	00	=		
XA335	DBC	A4	03B		(13)	01		MXR4CR 05 03B	
XA335	DBC	A5	08B		MXRAF4T	00	=		
XA335	DBC	A5			(17)	01		SPA 4T	
XA335	DBC	A6	04B		MXRAF5T	00	=		
XA335	DBC	A6			(07)	01		SPA 5T	
XA335	DBC	A7	05B		MXRAF6T	00	=		
XA335	DBC	A7			(09)	01		SPA 6T	
XA335	DBC	A8	06B		MXRAF7T	00	=		
XA335	DBC	A8			(11)	01		SPA 7T	
XA335	DBC	A9	07B		MXRAF8T	00	=		
XA335	DBC	A9			(15)	01		SPA 8T	
XA335	DBC	AO	09A		MXRAF9T	00	=		
XA335	DBC	AO			(18)	01		SPA 9T	
XA339	TQ2	C1	18A		MXRCMR	00	=		
XA339	TQ2	C1	19A		(38)	01		MXRCMS MXRRSA 40 19A 42 20A	

3-2880-1

166

DATA SYSTEMS DIVISION · LITTON SYSTEMS INC · LITTON INDUSTRIES
DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU
LOGIC
UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX MXRCMS
PAGE 167

CONNECTOR	CIRCUIT TYPE	GROUP	AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA340	TQ2	C1	18	A	MXRCMS	00	=		I/O INPUT REG COMMAND BIT
XA340	TQ2	C1	19	A	(38)	01		MXRCMR MXACMB4 / 40 19A 42 20A	
XA339	TQ2	C2	15	A	MXRENR	00	=		
XA339	TQ2	C2	16	A	(30)	01		MXRENS MXRRSA / 34 16A 36 17A	
XA340	TQ2	C2	15	A	MXRENS	00	=		I/O INPUT REG ENABLE BIT
XA340	TQ2	C2	16	A	(30)	01		MXRENR MXAENB4 / 34 16A 36 17A	
XA339	TQ2	C3	16	B	MXRPCR	00	=		
XA339	TQ2	C3	14	B	(33)	01		KMRPCB MXRRSA / 29 14B 31 15B	
XA340	TQ2	C3			MXRPCS	00	=		KMRPCR BUSS
XA340	TQ2	C3	14	B	(33)	01		MXRPCR MXAPCB4 / 29 14B 31 15B	
XA327	TQ2	A1	05	A	MXRRSA	00	=		RESET I/O INPUT REGISTER
XA327	TQ2	A1	06	A	(06)	01		MXRRSO SPI1014 / 08 06A 10 07A	
XA328	TQ2	A1	05	A	MXRRSO	00	=		
XA328	TQ2	A1	06	A	(06)	01		MXXA6A MXRSOB / 08 06A 10 07A	
XA336	TQ2	A1	05	A	MXRSOA	00	=		LXRSOB BUSS
XA336	TQ2	A1	06	A	(06)	01		MXRSOO SPI1016 / 08 06A 10 07A	
					MXRSOB	00	=		
XA336	TQ2	A1	05	A	( )	01		MXRSOA / 06 05A	MASTER RESET BUS 0
XA336	TQ2	A2	02	B	( )	02	+	MXRS1A / 01 02B	MASTER RESET BUS 0
XA336	TQ2	A3	04	B	( )	03	+	MXRS2A / 09 04B	MASTER RESET BUS 0
XA339	TQ2	B4	13	B	MXRSOO	00	=		
XA339	TQ2	B4	11	B	(27)	01		MXST1A SPI1017 / 23 11B 25 12B	
XA336	TQ2	A2	02	B	MXRS1A	00	=		LXRSOB BUSS
XA336	TQ2	A2	04	A	(01)	01		MXRSOO SPI1016 / 04 04A 05 03B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS. INC LITTON INDUSTRIES	DRAWING NUMBER **149016-860** UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**	**LOGIC**	UNIT ASSEMBLY NO. **149016** — FILE IDENT **T39CIFC6** — REV. **E** — INDEX **MXRS1B** — DATE **09-03-82** — PAGE **168**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					MXRS1B	00	=		
XA327	TQ2	C1	18A		( )	01		MXRS3A 38 18A	MASTER RESET BUS 1
XA327	TQ2	C2	15A		( )	02	+	MXRS4A 30 15A	MASTER RESET BUS 1
XA327	TQ2	C3	16B		( )	03	+	MXRS5A 33 16B	MASTER RESET BUS 1
XA336	TQ2	A3	04B		MXRS2A	00	=		LXRSOB BUSS
XA336	TQ2	A3	02A		(09)	01		MXRS00 SPI1016 03 02A 07 03A	
XA327	TQ2	C1	18A		MXRS3A	00	=		MXRS1B BUSS
XA327	TQ2	C1	19A		(38)	01		MXRS00 SPI1014 40 19A 42 20A	
XA327	TQ2	C2	15A		MXRS4A	00	=		MXRS1B BUSS
XA327	TQ2	C2	16A		(30)	01		MXRS00 SPI1014 34 16A 36 17A	
XA327	TQ2	C3	16B		MXRS5A	00	=		MXRS1B BUSS
XA327	TQ2	C3	14B		(33)	01		MXRS00 SPI1014 29 14B 31 15B	
XA339	TQ2	D1	24A		MXROCR	00	=		
XA339	TQ2	D1	25A		(52)	01		KMROCB MXRRSA 54 25A 56 26A	
XA340	TQ2	D1			MXROCS	00	=		KMROCB BUSS
XA340	TQ2	D1	25A		(52)	01		MXROCR MXAOCB4 54 25A 56 26A	
XA336	TQ2	F1	37B		MXROPA	00	=		I/O INPUT REG PARITY ERROR
XA336	TQ2	F1	38B		(75)	01		KXROPPR SPI1016 77 38B 79 39B	
XA335	DBC	B1	12A		MXRO90T	00	=		DATA BYTE DECODER 0 TO 9
XA335	DBC	B1	10A		(24)	01		KMR7CB 20 10A	
XA335	DBC	B2	13A		MXRO91T	00	=		
XA335	DBC	B2	11A		(26)	01		KMR6CB 22 11A	
XA335	DBC	B3	14A		MXRO92T	00	=		
XA335	DBC	B3	09B		(27)	01		KMR5CB 19 09B	

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS. INC / LITTON INDUSTRIES

DRAWING NUMBER 149016-860	LOGIC	UNIT ASSEMBLY NO. 149016
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU		FILE IDENT T39CIFC6

REV. E   INDEX MXR093T   DATE 09-03-82   PAGE 169

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA335	DBC	B4	15	A	MXR093T	00	=		
XA335	DBC	B4	10	B	(30)	01		KMR4CB 21 10B	
XA335	DBC	B5	16	A	MXR094T	00	=		
XA335	DBC	B5			(33)	01		SPA 4T	
XA335	DBC	B6	11	B	MXR095T	00	=		
XA335	DBC	B6			(23)	01		SPA 5T	
XA335	DBC	B7	12	B	MXR096T	00	=		
XA335	DBC	B7			(25)	01		SPA 6T	
XA335	DBC	B8	13	B	MXR097T	00	=		
XA335	DBC	B8			(29)	01		SPA 7T	
XA335	DBC	B9	14	B	MXR098T	00	=		
XA335	DBC	B9			(31)	01		SPA 8T	
XA335	DBC	B0	15	B	MXR099T	00	=		
XA335	DBC	B0			(34)	01		SPA 9T	
XA339	TQ2	D2	21	A	MXR1CR	00	=		
XA339	TQ2	D2	22	A	(46)	01		KMR1CB MXRRSA 48 22A 50 23A	
XA340	TQ2	D2			MXR1CS	00	=		KMR1CB BUSS
XA340	TQ2	D2	22	A	(46)	01		MXR1CR MXA1CB4 48 22A 50 23A	
XA339	TQ2	D3	24	B	MXR2CR	00	=		
XA339	TQ2	D3	22	B	(45)	01		KMR2CB MXRRSA 41 22B 43 23B	
XA340	TQ2	D3			MXR2CS	00	=		KMR2CB BUSS
XA340	TQ2	D3	22	B	(45)	01		MXR2CR MXA2CB4 41 22B 43 23B	
XA339	TQ2	D4	27	B	MXR3CR	00	=		
XA339	TQ2	D4	25	B	(51)	01		KMR3CB MXRRSA 47 25B 49 26B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX MXR3CS
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE 170

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA340	TQ2	D4			MXR3CS	00	=	KMR3CB BUSS	
XA340	TQ2	D4	25B		(51)	01		MXR3CR MXA3CB4 47 25B 49 26B	
XA339	TQ2	E1	31A		MXR4CR	00	=		
XA339	TQ2	E1	32A		(66)	01		KMR4CB MXRRSA 68 32A 70 33A	
XA340	TQ2	E1			MXR4CS	00	=	KMR4CB BUSS	
XA340	TQ2	E1	32A		(66)	01		MXR4CR MXA4CB4 68 32A 70 33A	
XA339	TQ2	E2	28A		MXR5CR	00	=		
XA339	TQ2	E2	29A		(60)	01		KMR5CB MXRRSA 62 29A 64 30A	
XA340	TQ2	E2			MXR5CS	00	=	KMR5CB BUSS	
XA340	TQ2	E2	29A		(60)	01		MXR5CR MXA5CB4 62 29A 64 30A	
XA339	TQ2	E3	30B		MXR6CR	00	=		
XA339	TQ2	E3	28B		(57)	01		KMR6CB MXRRSA 53 28B 55 29B	
XA340	TQ2	E3			MXR6CS	00	=	KMR6CB BUSS	
XA340	TQ2	E3	28B		(57)	01		MXR6CR MXA6CB4 53 28B 55 29B	
XA339	TQ2	E4	33B		MXR7CR	00	=		
XA339	TQ2	E4	31B		(63)	01		KMR7CB MXRRSA 59 31B 61 32B	
XA340	TQ2	E4			MXR7CS	00	=	KMR7CB BUSS	
XA340	TQ2	E4	31B		(63)	01		MXR7CR MXA7CB4 59 31B 61 32B	
XA323	TQ2	F3	35A		MXSK0A	00	=		
XA323	TQ2	F3	34B		(69)	01		MXXC2Q MXXC3P 65 34B 74 35B	
XA328	TQ2	C4	19B		MXSK00	00	=	I/O BUFFER REGISTER CLOCK	
XA328	TQ2	C4	17B		(39)	01		MXSK0A SPI1015 35 17B 37 18B	
XA328	TQ2	D2	21A		MXSST0	00	=		
XA328	TQ2	D2	22A		(46)	01		MXR097T SPI1015 48 22A 50 23A	

3-2860-1

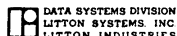|								
DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU				LOGIC		UNIT ASSEMBLY NO. 149016 REV. E INDEX MXSSOA FILE IDENT T39CIFC6 DATE 09-03-82 PAGE 171	

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA317	TS8	A1	05	B	MXSSOA	00	=		SOFWARE STOP COMMAND DECODE
XA317	TS8	A1	02	B	(11)	01		MXDVSS MXXB20 MXXAOP MXXA1Q MXSSTO MXROPA SPI1001 SPI1002 01 02B 04 04A 05 03B 06 05A 07 03A 08 06A 10 07A 13 06B	
					MXSTOI	00	=		
XA329	TDD	EI	19	A	( )	01		MXGN1A 40 19A	
					MXSTON	00	=		
XA329	TDD	EN	20	A	( )	01		MXST1A 42 20A	
XA329	TDD	EP	17	B	MXSTOP	00	=		
XA329	TDD	EP	18	A	(35)	01		SPI1015 38 18A	
XA329	TDD	EQ	18	B	MXSTOQ	00	=		STOP SYNC COUNTER BIT 0
XA329	TDD	EQ	19	B	(37)	01		MXST2A 39 19B	
XA324	TQ2	D3	24	B	MXST1A	00	=		
XA324	TQ2	D3	22	B	(45)	01		MXST1Q MXCP3B 41 22B 43 23B	
					MXST1I	00	=		
XA330	TDD	EI	19	A	( )	01		MXSTOQ 40 19A	
					MXST1N	00	=		
XA330	TDD	EN	20	A	( )	01		MXCP1B 42 20A	
XA330	TDD	EP	17	B	MXST1P	00	=		
XA330	TDD	EP	18	A	(35)	01		SPI1015 38 18A	
XA330	TDD	EQ	18	B	MXST1Q	00	=		STOP SYNC COUNTER BIT 1
XA330	TDD	EQ	19	B	(37)	01		SPI1013 39 19B	
XA327	TQ2	D3	24	B	MXST2A	00	=		
XA327	TQ2	D3	22	B	(45)	01		MXST20 SPI1014 41 22B 43 23B	
XA332	TS8	B1	11	B	MXST20	00	=		START MASTER RESETOR GATE
XA332	TS8	B1	09	A	(23)	01		MXHSOA MXSSOA MXARSA MXBRSA MXPRSA DEVINH SPI1013 SPI1015 14 09A 18 10A 19 09B 20 11A 22 12A 24 13A 25 12B 26 14A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU		LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX MXS031U PAGE 172

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA335	DBC	E1			MXS031U	00	=		KM031B BUSS
XA335	DBC	E1	33B		(70)	01		MXDB0TA MXDB0TB MXDB0TC MXDB0TD MXGN1A 71 33B 73 34B 75 35B 77 36B 80 38B	
XA335	DBC	E2			MXS032U	00	=		KM032B BUSS
XA335	DBC	E2	32A		(72)	01		MXSK00 69 32A	
XA335	DBC	E3			MXS033U	00	=		KM033B BUSS
XA335	DBC	E3	37B		(74)	01		MXGN2A 79 37B	
XA335	DBC	E4			MXS034U	00	=		KM034B BUSS
XA335	DBC	E4	38A		(76)	01		MXGN3A 78 38A	
XA335	DBC	E5	33A		MXS035U	00	=		I/O BUFFER REG BITS 0-1-2-3
XA335	DBC	E5	32B		(68)	01		SPI1016 66 32B	
XA334	DBC	E1			MXS471U	00	=		
XA334	DBC	E1	33B		(70)	01		MXDB4TA MXDB4TB MXDB4TC MXDB4TD MXGN1A 71 33B 73 34B 75 35B 77 36B 80 38B	
XA334	DBC	E2	35A		MXS472U	00	=		KM472B BUSS
XA334	DBC	E2	32A		(72)	01		MXSK00 69 32A	
XA334	DBC	E3	36A		MXS473U	00	=		KM473B BUSS
XA334	DBC	E3	37B		(74)	01		MXGN2A 79 37B	
XA334	DBC	E4			MXS474U	00	=		KM474B BUSS
XA334	DBC	E4	38A		(76)	01		MXGN3A 78 38A	
XA334	DBC	E5	33A		MXS475U	00	=		I/O BUFFER REG BIT$ 4-5-6-7
XA334	DBC	E5	32B		(68)	01		SPI1016 66 · 32B	
XA340	TQ2	C4	19B		MXXACA	00	=		
XA340	TQ2	C4	17B		(39)	01		MXXAC0 SPI1017 35 17B 37 18B	
					MXXACI	00	=		
XA329	TDD	AI	06A		( )	01		SPI1015 08 06A	

3-2880-1

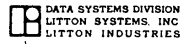|										
DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU				LOGIC		UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX MXXACN PAGE 173	

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					MXXACN	00	=		
XA329	TDD	AN	07	A	( )	01		MXXA3P 10 07A	
XA329	TDD	AP	05	B	MXXACP	00	=		
XA329	TDD	AP	05	A	(11)	01		MXXADA 06 05A	
XA329	TDD	AQ	06	B	MXXACQ	00	=		I/O STATE COUNTER CONTROL F/F
XA329	TDD	AQ	07	B	(13)	01		MXRSOB 15 07B	
XA332	TS8	D1	25	B	MXXACO	00	=		
XA332	TS8	D1	23	B	(47)	01		MXR0CR MXR1CR MXR2CR MXR3CR MXR4CR MXR5CR MXR6CR MXR7CR 43 23B 46 21A 48 22A 49 26B 50 23A 52 24A 54 25A 56 26A	
XA336	TQ2	F4	39	A	MXXADA	00	=		START I/O STATE COUNTER
XA336	TQ2	F4	37	A	(80)	01		MXXADO SPI1016 76 37A 78 38A	
XA338	TD4	D1	25	B	MXXADO	00	=		
XA338	TD4	D1	26	B	(47)	01		MXRCMR MXRENR MXRPCR MXXACA 49 26B 52 24A 54 25A 56 26A	
					MXXA0I	00	=		
XA330	TDD	AI	06	A	( )	01		MXXA3P 08 06A	
					MXXA0N	00	=		
XA330	TDD	AN	07	A	( )	01		M16MHO 10 07A	
XA330	TDD	AP	05	B	MXXA0P	00	=		
XA330	TDD	AP	05	A	(11)	01		MXXACP 06 05A	
XA330	TDD	AQ	06	B	MXXA0Q	00	=		I/O STATE COUNTER BIT 0
XA330	TDD	AQ	07	B	(13)	01		SPI1015 15 07B	
					MXXA1I	00	=		
XA331	TDD	AI	06	A	( )	01		MXXA0Q 08 06A	
					MXXA1N	00	=		
XA331	TDD	AN	07	A	( )	01		M16MHO 10 07A	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO.	149016	REV. E	INDEX	MXXA1P
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	174

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA331	TDD	AP	05B		MXXA1P	00	=		
XA331	TDD	AP	05A		(11)	01		MXXACP 06 05A	
XA331	TDD	AQ	06B		MXXA1Q	00	=		I/O STATE COUNTER BIT 1
XA331	TDD	AQ	07B		(13)	01		SPI1015 15 07B	
					MXXA2I	00	=		
XA330	TDD	BI	03B		( )	01		MXXA1Q 05 03B	
					MXXA2N	00	=		
XA330	TDD	BN	02B		( )	01		M16MHO 01 02B	
XA330	TDD	BP	04B		MXXA2P	00	=		
XA330	TDD	BP	04A		(09)	01		MXXACP 04 04A	
XA330	TDD	BQ	03A		MXXA2Q	00	=		I/O STATE COUNTER BIT 2
XA330	TDD	BQ	02A		(07)	01		SPI1013 03 02A	
					MXXA3I	00	=		
XA331	TDD	BI	03B		( )	01		MXXA2Q 05 03B	
					MXXA3N	00	=		
XA331	TDD	BN	02B		( )	01		M16MHO 01 02B	
XA331	TDD	BP	04B		MXXA3P	00	=		
XA331	TDD	BP	04A		(09)	01		MXXACP 04 04A	
XA331	TDD	BQ	03A		MXXA3Q	00	=		I/O STATE COUNTER BIT 3
XA331	TDD	BQ	02A		(07)	01		SPI1013 03 02A	
XA336	TQ2	E1	31A		MXXA4A	00	=		
XA336	TQ2	E1	32A		(66)	01		MXXA0Q MXXA3Q 68 32A 70 33A	
XA340	TQ2	F4	39A		MXXA40	00	=		I/O STATE COUNTER STATE 4
XA340	TQ2	F4	37A		(80)	01		MXXA4A SPI1017 76 37A 78 38A	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860			LOGIC		UNIT ASSEMBLY NO.	149016		REV. E	INDEX	MXXA5A
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU					FILE IDENT	T39CIFC6		DATE 09-03-82	PAGE	175

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIG- NATOR	FACTOR	COMMENT
XA336	TQ2	E2	28A	MXXA5A	00	=		
XA336	TQ2	E2	29A	(60)	01		MXXA0P MXXA1Q 62 29A 64 30A	
XA339	TQ2	F1	37B	MXXA50	00	=		I/O STATE COUNTER STATE 5
XA339	TQ2	F1	38B	(75)	01		MXXA5A SPI1017 77 38B 79 39B	
XA336	TQ2	E3	30B	MXXA6A	00	=		I/O STATE COUNTER STATE 6
XA336	TQ2	E3	28B	(57)	01		MXXA1P MXXA2Q 53 28B 55 29B	
XA339	TQ2	C4	19B	MXXBCA	00	=		RESET I/O BYTE COUNTER
XA339	TQ2	C4	17B	(39)	01		MXXBC0 SPI1017 35 17B 37 18B	
XA333	TT3	D1	23A	MXXBC0	00	=		
XA333	TT3	D1	24A	(50)	01		MXRCMR MXRENR MXRS0B 52 24A 54 25A 56 26A	
XA328	TQ2	B1	12A	MXXBK0	00	=		I/O BYTE COUNTER CLOCK
XA328	TQ2	B1	13A	(22)	01		MXXA3Q SPI1015 24 13A 26 14A	
XA336	TQ2	D1	24A	MXXB0A	00	=		
XA336	TQ2	D1	25A	(52)	01		MXXB0P MXXB2P 54 25A 56 26A	
				MXXB0I	00	=		
XA329	TDD	BI	03B	( )	01		MXXB2P 05 03B	
				MXXB0N	00	=		
XA329	TDD	BN	02B	( )	01		MXXBK0 01 02B	
XA329	TDD	BP	04B	MXXB0P	00	=		
XA329	TDD	BP	04A	(09)	01		MXXBCA 04 04A	
XA329	TDD	BQ	03A	MXXB0Q	00	=		I/O BYTE COUNTER BIT0
XA329	TDD	BQ	02A	(07)	01		SPI1013 03 02A	
XA340	TQ2	F1	37B	MXXB00	00	=		I/O BYTE COUNTER STATE 0
XA340	TQ2	F1	38B	(75)	01		MXXB0A SPI1017 77 38B 79 39B	

3-2680-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS. INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX MXXB1A
PAGE 176

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA336	TQ2	D2	21A		MXXB1A	00	=		
XA336	TQ2	D2	22A		(46)	01		MXXB0Q MXXB1P	
								48 22A 50 23A	
					MXXB1I	00	=		
XA330	TDD	CI	13A		( )	01		MXXB0Q	
								24 13A	
					MXXB1N	00	=		
XA330	TDD	CN	14A		( )	01		MXXBK0	
								26 14A	
XA330	TDD	CP	11B		MXXB1P	00	=		
XA330	TDD	CP	12A		(23)	01		MXXBCA	
								22 12A	
XA330	TDD	CQ	12B		MXXB1Q	00	=		I/O BYTE COUNTER BIT 1
XA330	TDD	CQ	13B		(25)	01		SPI1015	
								27 13B	
XA340	TQ2	F2	34A		MXXB1O	00	=		I/O BYTE COUNTER STATE 1
XA340	TQ2	F2	36A		(72)	01		MXXB1A SPI1017	
								71 36A 73 36B	
XA336	TQ2	D3	24B		MXXB2A	00	=		
XA336	TQ2	D3	22B		(45)	01		MXXB1Q MXXB2P	
								41 22B 43 23B	
					MXXB2I	00	=		
XA331	TDD	CI	13A		( )	01		MXXB1Q	
								24 13A	
					MXXB2N	00	=		
XA331	TDD	CN	14A		( )	01		MXXBK0	
								26 14A	
XA331	TDD	CP	11B		MXXB2P	00	=		
XA331	TDD	CP	12A		(23)	01		MXXBCA	
								22 12A	
XA331	TDD	CQ	12B		MXXB2Q	00	=		
XA331	TDD	CQ	13B		(25)	01		SPI1015	
								27 13B	
XA340	TQ2	F3	35A		MXXB2C	00	=		I/O BYTE COUNTER STATE 2
XA340	TQ2	F3	34B		(69)	01		MXXB2A SPI1017	
								65 34B 74 35B	

3-2860-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX MXXB3A
PAGE 177

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA336	TQ2	D4	27B		MXXB3A	00	=		I/O BYTE COUNTER STATE 3
XA336	TQ2	D4	25B		(51)	01		MXXB0Q MXXB2Q 47 25B 49 26B	
XA327	TQ2	F2	34A		MXXCIA	00	=		
XA327	TQ2	F2	36A		(72)	01		MXXCIO SPI1014 71 36A 73 36B	
					MXXCII	00	=		
XA321	TDD	LI	38B		( )	01		MXGN3A 77 38B	
					MXXCIN	00	=		
XA321	TDD	LN	39B		( )	01		MXXC4P 79 39B	
XA321	TDD	LP	37A		MXXCIP	00	=		
XA321	TDD	LP	37B		(76)	01		MXRS0B 75 37B	
XA321	TDD	LQ	38A		MXXCIQ	00	=		KMXCIB BUSS
XA321	TDD	LQ	39A		(78)	01		MXXCIA 80 39A	
XA325	TT3	F2	35B		MXXCIO	00	=		INDICATOR INPUT CONTROL
XA325	TT3	F2	34B		(74)	01		MSYN1A MXSS0A MX0D0A 65 34B 71 36A 72 34A	
XA326	TD4	E1	31B		MXXCR0	00	=		IOU INPUT STROBE COUNTR RESET
XA326	TD4	E1	32B		(59)	01		MXXCIP MXXDDP MXXDIP MXXDSP 61 32B 66 31A 68 32A 70 33A	
XA323	TQ2	F4	39A		MXXCSA	00	=		IOU INPUT STROBE COUNT STROBE
XA323	TQ2	F4	37A		(80)	01		MXXC2Q MXXC4Q 76 37A 78 38A	
XA327	TQ2	F4	39A		MXXCS0	00	=		
XA327	TQ2	F4	37A		(80)	01		MXXCSA SPI1014 76 37A 78 38A	
					MXXC0I	00	=		
XA331	TDD	GI	25A		( )	01		MXXC4P · 54 25A	
					MXXC0N	00	=		
XA331	TDD	GN	26A		( )	01		M16MI0 56 26A	

3-2880-1

	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO. 149016		REV. E	INDEX MXXCOP
DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT T39CIFC6		DATE 09-03-82	PAGE 178

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA331	TDD	GP	25B		MXXCOP	00	=		
XA331	TDD	GP		24A	(47)	01		MXXCRO 52 24A	
XA331	TDD	GQ	26B		MXXCOQ	00	=		IOU INPUT STROBE COUNT BIT 0
XA331	TDD	GQ		27B	(49)	01		SPI1015 51 27B	
					MXXC1I	00	=		
XA330	TDD	GI		25A	( )	01		MXXCOQ 54 25A	
					MXXC1N	00	=		
XA330	TDD	GN		26A	( )	01		M16MIO 56 26A	
XA330	TDD	GP	25B		MXXC1P	00	=		
XA330	TDD	GP		24A	(47)	01		MXXCRO 52 24A	
XA330	TDD	GQ	26B		MXXC1Q	00	=		
XA330	TDD	GQ		27B	(49)	01		SPI1015 51 27B	
					MXXC2I	00	=		
XA331	TDD	HI		22A	( )	01		MXXC1Q 48 22A	
					MXXC2N	00	=		
XA331	TDD	HN		21A	( )	01		M16MIO 46 21A	
XA331	TDD	HP	24B		MXXC2P	00	=		
XA331	TDD	HP		23A	(45)	01		MXXCRO 50 23A	
XA331	TDD	HQ	23B		MXXC2Q	00	=		
XA331	TDD	HQ		22B	(43)	01		SPI1013 41 22B	
					MXXC3I	00	=		
XA330	TDD	HI		22A	( )	01		MXXC2Q 48 22A	
					MXXC3N	00	=		
XA330	TDD	HN		21A	( )	01		M16MIO 46 21A	

3-2880-1

| | | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | DRAWING NUMBER 149016-860 | UNIT ASSEMBLY NAME CARD CAGE ASSY, A, IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 | FILE IDENT T39CIFC6 | REV. E | DATE 09-03-82 | INDEX MXXC3P | PAGE 179 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA330	TDD	HP	24	B	MXXC3P	00	=		
XA330	TDD	HP	23	A	(45)	01		MXXCR0 50 23A	
XA330	TDD	HQ	23	B	MXXC3Q	00	=		
XA330	TDD	HQ	22	B	(43)	01		SPI1013 41 22B	
					MXXC4I	00	=		
XA329	TDD	GI	25	A	( )	01		MXXC3Q 54 25A	
					MXXC4N	00	=		
XA329	TDD	GN	26	A	( )	01		M16MIO 56 26A	
XA329	TDD	GP	25	B	MXXC4P	00	=		
XA329	TDD	GP	24	A	(47)	01		MXXCR0 52 24A	
XA329	TDD	GQ	26	B	MXXC4Q	00	=	IOU INPUT STROBE COUNT BIT 4	
XA329	TDD	GQ	27	B	(49)	01		SPI1015 51 27B	
					MXXDDI	00	=		
XA320	TDD	LI	38	B	( )	01		MXGN3A 77 38B	
					MXXDDN	00	=		
XA320	TDD	LN	39	B	( )	01		MXXC4P 79 39B	
XA320	TDD	LP	37	A	MXXDDP	00	=		
XA320	TDD	LP	37	B	(76)	01		MXRS0B 75 37B	
XA320	TDD	LQ	38	A	MXXDDQ	00	=	IOU INPUT DATA CONTROL F/F	
XA320	TDD	LQ	39	A	(78)	01		MLTE0A 80 39A	
XA327	TQ2	F3	35	A	MXXDIA	00	=		
XA327	TQ2	F3	34	B	(69)	01		MXXDIS MXEA00 65 34B 74 35B	
					MXXDII	00	=		
XA321	TDD	MI	36	A	( )	01		MXGN3A 71 36A	

3-2880-1

DATA SYSTEMS DIVISION **LITTON SYSTEMS INC** **LITTON INDUSTRIES**	DRAWING NUMBER		149016-860		**LOGIC**	UNIT ASSEMBLY NO. 149016	REV. E	INDEX MXXDIN
	UNIT ASSEMBLY NAME		CARD CAGE ASSY,A,IFCU			FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 180

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					MXXDIN	00	=		
XA321	TDD	MN	34A		( )	01		MXXC4P 72 34A	
XA321	TDD	MP	35A		MXXDIP	00	=		
XA321	TDD	MP	36B		(69)	01		MXRSOB 73 36B	
XA321	TDD	MQ	35B		MXXDIQ	00	=		IOU INPUT INTERRUPT DATA F/F
XA321	TDD	MQ	34B		(74)	01		MXXDIA 65 34B	
XA325	TT3	F3	39A		MXXDIR	00	=		
XA325	TT3	F3	35A		(80)	01		MXXDIS MXINHR MXXDIP 69 35A 76 37A 78 38A	
XA324	TQ2	F3	35A		MXXDIS	00	=		INTERRUPT WAIT FORENABLE F/F
XA324	TQ2	F3	34B		(69)	01		MXXDIR MINT2A 65 34B 74 35B	
XA340	TQ2	A1	05A		MXXDRA	00	=		DATA RECEIVE INHIBIT IF SEND
XA340	TQ2	A1	06A		(06)	01		MXXDRO SPI1017 08 06A 10 07A	
XA333	TT3	A1	04A		MXXDRO	00	=		
XA333	TT3	A1	05A		(04)	01		MXXDDP MXXDIP MXXDSP 06 05A 08 06A 10 07A	
					MXXDSI	00	=		
XA320	TDD	MI	36A		( )	01		MXGN3A 71 36A	
					MXXDSN	00	=		
XA320	TDD	MN	34A		( )	01		MXXC4P 72 34A	
XA320	TDD	MP	35A		MXXDSP	00	=		
XA320	TDD	MP	36B		(69)	01		MXRSOB 73 36B	
XA320	TDD	MQ	35B		MXXDSQ	00	=		IOU INPUT ITR DATA F/F
XA320	TDD	MQ	34B		(74)	01		MXIR1A 65 34B	
XA327	TQ2	F1	37B		MXXRCA	00	=		SET IOU RESET CONTROL F/F
XA327	TQ2	F1	38B		(75)	01		MXXRCO MXXREP 77 38B 79 39B	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS. INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
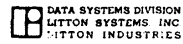UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX MXXRCI
PAGE 181

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					MXXRCI	00	=		
XA322	TDD	MI	36A		( )	01		MXGN3A 71 36A	
					MXXRCN	00	=		
XA322	TDD	MN	34A		( )	01		MXXR2P 72 34A	
XA322	TDD	MP	35A		MXXRCP	00	=		
XA322	TDD	MP	36B		(69)	01		MXRSOB 73 36B	
XA322	TDD	MQ	35B		MXXRCQ	00	=		IOU REQUEST CONTROL F/F
XA322	TDD	MQ	34B		(74)	01		MXXRCA 65 34B	
XA333	TT3	E1	30A		MXXRCO	00	=		IOU REQUST OR GATE
XA333	TT3	E1	31A		(64)	01		MAEN1A MLPT1A MINT2A 66 31A 68 32A 70 33A	
					MXXREI	00	=		
XA322	TDD	LI	38B		( )	01		MXGN3A 77 38B	
					MXXREN	00	=		
XA322	TDD	LN	39B		( )	01		MXEAOA 79 39B	
XA322	TDD	LP	37A		MXXREP	00	=		
XA322	TDD	LP	37B		(76)	01		MXRSOB 75 37B	
XA322	TDD	LQ	38A		MXXREQ	00	=		IOU REQUEST ENABLEF/F
XA322	TDD	LQ	39A		(78)	01		MXXROP 80 39A	
					MXXROI	00	=		
XA331	TDD	JI	32A		( )	01		MXXR2P 68 32A	
					MXXRON	00	=		
XA331	TDD	JN	33A		( )	01		MI6MHO 70 33A	
XA331	TDD	JP	31B		MXXROP	00	=		
XA331	TDD	JP	31A		(59)	01		MXXRCQ 66 31A	

3-2880-1

				DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860				

DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC / LITTON INDUSTRIES

DRAWING NUMBER **149016-860**
UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**
LOGIC
UNIT ASSEMBLY NO. **149016**
FILE IDENT **T39CIFC6**
REV. **E**
INDEX **MXXR0Q**
DATE **09-03-82**
PAGE **182**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA331	TDD	JQ	32B		MXXR0Q	00	=		IOU REQUEST COUNTER BIT 0
XA331	TDD	JQ	33B		(61)	01		SPI1015 63 33B	
					MXXR1I	00	=		
XA330	TDD	JI	32A		( )	01		MXXR0Q 68 32A	
					MXXR1N	00	=		
XA330	TDD	JN	33A		( )	01		M16MH0 70 33A	
XA330	TDD	JP	31B		MXXR1P	00	=		
XA330	TDD	JP	31A		(59)	01		MXXRCQ 66 31A	
XA330	TDD	JQ	32B		MXXR1Q	00	=		
XA330	TDD	JQ	33B		(61)	01		SPI1015 63 33B	
					MXXR2I	00	=		
XA329	TDD	JI	32A		( )	01		MXXR1Q 68 32A	
					MXXR2N	00	=		
XA329	TDD	JN	33A		( )	01		M16MH0 70 33A	
XA329	TDD	JP	31B		MXXR2P	00	=		
XA329	TDD	JP	31A		(59)	01		MXXRCQ 66 31A	
XA329	TDD	JQ	32B		MXXR2Q	00	=		IOU REQUEST COUNTER BIT 2
XA329	TDD	JQ	33B		(61)	01		SPI1015 63 33B	
XA336	TQ2	B2	09A		MXX04A	00	=		
XA336	TQ2	B2	10A		(14)	01		MXXB00 MXXA40 18 10A 20 11A	
XA338	TD4	F2	35A		MXX05A	00	=		I/O STATE IS 5,I/OBYTE IS 0
XA338	TD4	F2	36A		(69)	01		MXXB0P MXXB2P MXXA0P MXXA1Q 71 36A 72 34A 73 36B 74 35B	
XA339	TQ2	F2	34A		MXX050	00	=		
XA339	TQ2	F2	36A		(72)	01		MXX05A SPI1017 71 36A 73 36B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	DRAWING NUMBER UNIT ASSEMBLY NAME	149016-860 CARD CAGE ASSY,A,IFCU		LOGIC		UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6		REV. E DATE 09-03-82	INDEX MXODEA PAGE 183	

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR		FACTOR	COMMENT
XA333	TT3	C3	19B		MXODEA	00	=			OFR DATA PARITY ERROR
XA333	TT3	C3	16B		(39)	01			MXOFRS KXROPPR MXXA50 33 16B 35 17B 37 18B	
XA324	TQ2	C4	19B		MXODRA	00	=			
XA324	TQ2	C4	17B		(39)	01			MXOFRS MXXB10 35 17B 37 18B	
XA333	TT3	D3	27B		MXODOA	00	=			OFR DATA STROBE
XA333	TT3	D3	24B		(51)	01			MXOFRS MXXB20 MXXA50 45 24B 47 25B 49 26B	
XA338	TD4	D2	24B		MXOFRR	00	=			
XA338	TD4	D2	23B		(45)	01			MXOFRS MXXB0A MXXB3A MXRS0B 43 23B 46 21A 48 22A 50 23A	
XA336	TQ2	C3	16B		MXOFRS	00	=			OFR COMMAND F/F
XA336	TQ2	C3	14B		(33)	01			MXOFRR MXOROA 29 14B 31 15B	
XA328	TQ2	C3	16B		MXOFRO	00	=			
XA328	TQ2	C3	14B		(33)	01			MXRO98T SPI1015 29 14B 31 15B	
XA328	TQ2	D4	27B		MXONLO	00	=			ON LINE CONTROL
XA328	TQ2	D4	25B		(51)	01			MXASLA MXBSLA 47 25B 49 26B	
XA326	TD4	C2	16B		MXOROA	00	=			COMMAND IS OFR
XA326	TD4	C2	15A		(33)	01			MXCA10 MXOEVA MXOFRO MBUSYA 30 15A 31 15B 34 16A 36 17A	
					MX1MAI	00	=			
XA331	TDD	FI	16A		( )	01			MX1MBP 34 16A	
					MX1MAN	00	=			
XA331	TDD	FN	15A		( )	01			MO4MZO 30 15A	
XA331	TDD	FP	16B		MX1MAP	00	=			
XA331	TDD	FP	17A		(33)	01			SPI1013 36 17A	
XA331	TDD	FQ	15B		MX1MAQ	00	=			2 PHASE CLK BIT 0
XA331	TDD	FQ	14B		(31)	01			SPI1003 29 14B	

3-2880-1

| | DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES | DRAWING NUMBER UNIT ASSEMBLY NAME | 149016-860 CARD CAGE ASSY,A,IFCU | | LOGIC | | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | | REV. E DATE 09-03-82 | INDEX MX1MBI PAGE 184 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG- NATOR	FACTOR		COMMENT
					MX1MBI	00	=			
XA330	TDD	FI	16A		( )	01		MX1MAQ 34 16A		
					MX1MBN	00	=			
XA330	TDD	FN	15A		( )	01		M04MZO 30 15A		
XA330	TDD	FP	16B		MX1MBP	00	=			
XA330	TDD	FP	17A		(33)	01		SPI1003 36 17A		
XA330	TDD	FQ	15B		MX1MBQ	00	=		2 PHASE CLOCK BIT 1
XA330	TDD	FQ	14B		(31)	01		SPI1004 29 14B		
XA340	TQ2	B4	13B		M04MZO	00	=		4 MHZ RECEIVER
XA340	TQ2	B4	11B		(27)	01		T04MHK SPI1017 23 11B 25 12B	
XA327	TQ2	E1	31A		M16MHA	00	=		16 MHZ RECEIVER
XA327	TQ2	E1	32A		(65)	01		T16MHA SPI1014 68 32A 70 33A	
XA328	TQ2	E3	30B		M16MHO	00	=			
XA328	TQ2	E3	28B		(57)	01		M16MHA SPI1015 53 28B 55 29B	
XA328	TQ2	E4	33B		M16MIO	00	=			
XA328	TQ2	E4	31B		(63)	01		M16MHA SPI1015 59 31B 61 32B	
					TACMAB	00	=			
XA245	DCF	C1	25B		( )	01		LXACMDX 46 25B	
XA446	DCF	C5	31B		( )	02	+	TXACMDX 60 31B	
					TACMBB	00	=			
XA244	DCF	C1	25B		( )	01		LXBCMDX 46 25B	
XA445	DCF	C5	31B		( )	02	+	TXBCMDX 60 31B	
XA511	TQ2	B2	09A		TADSAA	00	=			
XA511	TQ2	B2	10A		(14)	01		TADSAOX SPI020 18 10A 20 11A	

3-2880-1

184

| | DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC / LITTON INDUSTRIES | DRAWING NUMBER 149016-860 / UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 / FILE IDENT T39CIFC6 | REV. E / DATE 09-03-82 | INDEX TADSADX4 / PAGE 185 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA545	DCF	C3	30B	TADSADX4	00	=		FILE PROTECT 2 RECEIVER
XA545	DCF	C3	29A	(55)	01		SPI029 / 52 29A	
XA545	DCF	C4	29B	TADSAOX	00	=		
XA545	DCF	C4	28B	(56)	01		SPI030 / 51 28B	
XA545	DCF	D3	37B	TADSBDX4	00	=		REWINDING 2 RECEIVER
XA545	DCF	D3	36A	(78)	01		SPI029 / 72 36A	
XA545	DCF	D4	36B	TADSBOX	00	=		
XA545	DCF	D4	35B	(75)	01		SPI030 / 73 35B	
XA545	DCF	A3	07B	TADSCDX4	00	=		BOT 2 RECEIVER
XA545	DCF	A3	05A	(17)	01		SPI029 / 06 05A	
XA545	DCF	A4	06B	TADSCOX	00	=		
XA545	DCF	A4	05B	(15)	01		SPI030 / 13 05B	
XA545	DCF	B3	15B	TADSDDX4	00	=		EOT 2 RECEIVER
XA545	DCF	B3	13A	(37)	01		SPI029 / 36 13A	
XA545	DCF	B4	14B	TADSDOX	00	=		
XA545	DCF	B4	13B	(35)	01		SPI030 / 33 13B	
XA421	MUX	C1	17A	TADSW1X	00	=		BOT MULTIPLEXER
XA421	MUX	C1	16B	(35)	01		TADSAA TADS00 TADS10 SPI008 TADSAOX SPI007 SPI006 SPI003 / 35 16B 37 17B 39 18B 41 19B 43 22B 45 23B 47 23A 50 24A	
XA421	MUX	C2	18A	TADSW2X	00	=		
XA421	MUX	C2	21A	(38)	01		TADSBOX TADSCOX TADSDOX TXGN6A / 46 21A 42 20A 40 19A 48 22A	
XA422	MUX	C1	17A	TADSK1X	00	=		EOT MULTIPLEXER
XA422	MUX	C1	16B	(36)	01		TEOT10X TADSDOX UEOT30X SPI003 UEOT40X SPI006 SPI007 SPI008 / 35 16B 37 17B 39 18B 41 19B 43 22B 45 23B 47 23A 50 24A	
XA422	MUX	C2	18A	TADSX2X	00	=		
XA422	MUX	C2	21A	(38)	01		TTS2BS TTS3BS TTS4BS TXGN6A / 46 21A 42 20A 40 19A 48 22A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	TADS00
	UNIT ASSEMBLY NAME	CARD CAGE ASSY, A, IFCU			FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	186

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA517	TQ2	D1	24A		TADS00	00	=		
XA517	TQ2	D1	25A		(52)	01		TADSAA SPI021	
								54 25A 56 26A	
XA543	TLD	E1	31A		TADS1D4	00	=		MTT 1 ADDRESS SELECT
XA543	TLD	E1	32A		(66)	01		TTS1BR SPI029	
								68 32A 70 33A	
XA517	TQ2	D2	21A		TADS10	00	=		
XA517	TQ2	D2	22A		(46)	01		TADSAA SPI021	
								48 22A 50 23A	
XA543	TLD	E2	28A		TADS2D4	00	=		
XA543	TLD	E2	29A		(60)	01		TTS2BR SPI029	
								62 29A 64 30A	
XA543	TLD	E3	30B		TADS3D4	00	=		
XA543	TLD	E3	28B		(57)	01		TTS3BR SPI029	
								53 28B 55 29B	
XA543	TLD	E4	33B		TADS4D4	00	=		MTT 4 ADDRESS SELECT
XA543	TLD	E4	31B		(63)	01		TTS4BR SPI029	
								59 31B 61 32B	
					TAENAB	00	=		
XA245	DCF	C3	30B		( )	01		LXAENDX	
								55 30B	
XA446	DCF	C7	25A		( )	02	+	TXAENDX	
								43 25A	
					TAENBB	00	=		
XA244	DCF	C3	30B		( )	01		LXBENDX	
								55 30B	
XA445	DCF	C7	25A		( )	02	+	TXBENDX	
								43 25A	
					TAINAB	00	=		
XA245	DCF	C5	31B		( )	01		LXAINDX	
								60 31B	
XA446	DCF	C3	30B		( )	02	+	TXAINDX	
								55 30B	
					TAINBB	00	=		
XA244	DCF	C5	31B		( )	01		LXBINDX	
								60 31B	
XA445	DCF	C3	30B		( )	02	+	TXBINDX	
								55 30B	

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC / LITTON INDUSTRIES

DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO. 149016	REV. E	INDEX TAOPAB
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 187

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TAOPAB	00	=		
XA245	DCF	C7	25A		( )	01		LXAPCDX 43 25A	
XA446	DCF	CI	25B		( )	02	+	TXAPCDX 46 25B	
					TAOPBB	00	=		
XA244	DCF	C7	25A		( )	01		LXBPCDX 43 25A	
XA445	DCF	CI	25B		( )	02	+	TXBPCDX 46 25B	
					TAOOAB	00	=		
XA245	DCF	A1	02B		( )	01		LXAOCDX 07 02B	
XA446	DCF	A1	02B		( )	02	+	TXAOCDX 07 02B	
					TAOOBB	00	=		
XA244	DCF	A1	02B		( )	01		LXBOCDX 07 02B	
XA445	DCF	A1	02B		( )	02	+	TXBOCDX 07 02B	
					TAO1AB	00	=		
XA245	DCF	A3	07B		( )	01		LXA1CDX 17 07B	
XA446	DCF	A3	07B		( )	02	+	TXA1CDX 17 07B	
					TAO1BB	00	=		
XA244	DCF	A3	07B		( )	01		LXB1CDX 17 07B	
XA445	DCF	A3	07B		( )	02	+	TXB1CDX 17 07B	
					TAO2AB	00	=		
XA245	DCF	A5	08B		( )	01		LXA2CDX 14 08B	
XA446	DCF	A5	08B		( )	02	+	TXA2CDX 14 08B	
					TAO2BB	00	=		
XA244	DCF	A5	08B		( )	01		LXB2CDX 14 08B	
XA445	DCF	A5	08B		( )	02	+	TXB2CDX 14 08B	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER **149016-860**
UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX TA03AB
PAGE 188

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TA03AB	00	=		
XA245	DCF	A7	02A		( )	01		LXA3CDX 01 02A	
XA446	DCF	A7	02A		( )	02	+	TXA3CDX 01 02A	
					TA03BB	00	=		
XA244	DCF	A7	02A		( )	01		LXB3CDX 01 02A	
XA445	DCF	A7	02A		( )	02	+	TXB3CDX 01 02A	
					TA04AB	00	=		
XA245	DCF	B1	10B		( )	01		LXA4CDX 27 10B	
XA446	DCF	B1	10B		( )	02	+	TXA4CDX 27 10B	
					TA04BB	00	=		
XA244	DCF	B1	10B		( )	01		LXB4CDX 27 10B	
XA445	DCF	B1	10B		( )	02	+	TXB4CDX 27 10B	
					TA05AB	00	=		
XA245	DCF	B3	15B		( )	01		LXA5CDX 37 15B	
XA446	DCF	B3	15B		( )	02	+	TXA5CDX 37 15B	
					TA05BB	00	=		
XA244	DCF	B3	15B		( )	01		LXB5CDX 37 15B	
XA445	DCF	B3	15B		( )	02	+	TXB5CDX 37 15B	
					TA06AB	00	=		
XA245	DCF	B5	16A		( )	01		LXA6CDX 41 16A	
XA446	DCF	B5	16A		( )	02	+	TXA6CDX 41 16A	
					TA06BB	00	=		
XA244	DCF	B5	16A		( )	01		LXB6CDX 41 16A	
XA445	DCF	B5	16A		( )	02	+	TXB6CDX 41 16A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC.
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU
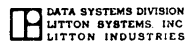
LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX TA07AB
PAGE 189

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TA07AB	00	=		
XA245	DCF	B7	10A		( )	01		LXA7CDX 23 10A	
XA446	DCF	B7	10A		( )	02	+	TXA7CDX 23 10A	
					TA07BB	00	=		
XA244	DCF	B7	10A		( )	01		LXB7CDX 23 10A	
XA445	DCF	B7	10A		( )	02	+	TXB7CDX 23 10A	
XA519	TQ2	C1	18A		TBCP00	00	=		BUFFER REG CLOCK BITS 0 TO 3
XA519	TQ2	C1	19A		(38)	01		TRWC0A TLPT1A 40 19A 42 20A	
XA519	TQ2	C2	15A		TBCP10	00	=		
XA519	TQ2	C2	16A		(30)	01		TRWC0A TLPT1A 34 16A 36 17A	
XA519	TQ2	C3	16B		TBCP20	00	=		
XA519	TQ2	C3	14B		(33)	01		TRWC0A TLPT1A 29 14B 31 15B	
XA519	TQ2	C4	19B		TBCP30	00	=		
XA519	TQ2	C4	17B		(39)	01		TRWC0A TLPT1A 35 17B 37 18B	
XA519	TQ2	D1	24A		TBCP40	00	=		
XA519	TQ2	D1	25A		(52)	01		TRWC0A TLPT1A 54 25A 56 26A	
XA519	TQ2	D2	21A		TBCP50	00	=		
XA519	TQ2	D2	22A		(46)	01		TRWC0A TLPT1A 48 22A 50 23A	
XA519	TQ2	D3	24B		TBCP60	00	=		
XA519	TQ2	D3	22B		(45)	01		TRWC0A TLPT1A 41 22B 43 23B	
XA519	TQ2	D4	27B		TBCP70	00	=		BUFFER REG CLOCK BITS 28 TO 31
XA519	TQ2	D4	25B		(51)	01		TRWC0A TLPT1A 47 25B 49 26B	
XA502	TS8	B1	11B		TBSY0A	00	=		NEW COMMAND BUSY INHIBIT
XA502	TS8	B1	09A		(23)	01		TSNC1S TRDY10X TADSW2X TBSY2A TFPE2A TCILK0 TSCK1B SPI018 14 09A 18 10A 19 09B 20 11A 22 12A 24 13A 25 12B 26 14A	

3-2880-1

| | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | DRAWING NUMBER | 149016-860 | | LOGIC | | UNIT ASSEMBLY NO. | 149016 | | REV. E | | INDEX | TBSY2A |
| | | UNIT ASSEMBLY NAME | CARD CAGE ASSY,A,IFCU | | | | FILE IDENT | T39CIFC6 | | DATE 09-03-82 | | PAGE | 190 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA505	TQ2	A2		02B	TBSY2A	00	=		
XA505	TQ2	A2	04A		(01)	01		TDIRSP TBOTOS 04 04A 05 03B	
XA523	TQ2	C2		15A	TBUSYA	00	=		
XA523	TQ2	C2	16A		(30)	01		TBUSYO SPIO22 34 16A 36 17A	
XA410	TD4	C1		17B	TBUSYR	00	=		
XA410	TD4	C1	18B		(35)	01		TBUSYS TINT1A TINT5A TXRS1B 37 18B 38 18A 40 19A 42 20A	
XA412	TQ2	C4		19B	TBUSYS	00	=		TAPE MOTION BUSY F/F
XA412	TQ2	C4	17B		(39)	01		TBUSYR TBSYOA 35 17B 37 18B	
XA522	TQ2	C2		15A	TBUSYO	00	=		
XA522	TQ2	C2	16A		(30)	01		TBUSYR TCSDOR 34 16A 36 17A	
XA523	TQ2	D3		24B	TBOTCA	00	=		
XA523	TQ2	D3	22B		(45)	01		TBOT1OX SPIO22 41 22B 43 23B	
XA523	TQ2	C1		18A	TBOTOA	00	=		
XA523	TQ2	C1	19A		(38)	01		TBOT1OX TSCL3B 40 19A 42 20A	
XA523	TQ2	C3		16B	TBOTOR	00	=		
XA523	TQ2	C3	14B		(33)	01		TBOTOS TBOT1A 29 14B 31 15B	
XA522	TQ2	C3		16B	TBOTOS	00	=		BEGIN OF TAPE(BOT)F/F
XA522	TQ2	C3	14B		(33)	01		TBOTOR TBOTOA 29 14B 31 15B	
XA525	TD4	C1		17B	TBOT1A	00	=		
XA525	TD4	C1	18B		(35)	01		TBOTCA TSTPOR TBOT1R TSCL3B 37 18B 38 18A 40 19A 42 20A	
XA545	DCF	A1		02B	TBOT1DX4	00	=		BOT 1 RECEIVER
XA545	DCF	A1	05A		(07)	01		SPIO29 06 05A	
XA524	TT3	D1		23A	TBOT1R	00	=		
XA524	TT3	D1	24A		(50)	01		TBOT1S TBOT3A TBOTOS 52 24A 54 25A 56 26A	

3-2860-1

| DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX TBOT1S PAGE 191 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND / OR	EQUATION	TERM	DESIG-NATOR	FACTOR		COMMENT
XA522	TQ2	D1	24A	TBOT1S	00	=		BOT COUNTER BIT 1	
XA522	TQ2	D1	25A	(52)	01		TBOT1R TBOT2A		
							54 25A 56 26A		
XA545	DCF	A2	03B	TBOT1OX	00	=			
XA545	DCF	A2	04B	(09)	01		SPI028		
							11 04B		
XA524	TT3	C1	17A	TBOT2A	00	=			
XA524	TT3	C1	18A	(36)	01		TBOTOS TBOT2R TSCL1B		
							38 18A 40 19A 42 20A		
XA523	TQ2	C4	19B	TBOT2R	00	=			
XA523	TQ2	C4	17B	(39)	01		TBOT2S TBOTOS		
							35 17B 37 18B		
XA522	TQ2	C4	19B	TBOT2S	00	=		BOT COUNTER BIT 2	
XA522	TQ2	C4	17B	(39)	01		TBOT2R TBOT4A		
							35 17B 37 18B		
XA523	TQ2	D2	21A	TBOT3A	00	=		BUFFER REG BIT 8	
XA523	TQ2	D2	22A	(46)	01		TBOT2S TSCL1B		
							48 22A 50 23A		
XA523	TQ2	D1	24A	TBOT4A	00	=			
XA523	TQ2	D1	25A	(52)	01		TBOT1S TSCL3B		
							54 25A 56 26A		
				TB00BI	00	=			
XA533	TDD	EI	19A	( )	01		TD00BQ		
							40 19A		
				TB00BN	00	=			
XA533	TDD	EN	20A	( )	01		TBCP00		
							42 20A		
XA533	TDD	EP	17B	TB00BP	00	=			
XA533	TDD	EP	18A	(35)	01		SPI025		
							38 18A		
XA533	TDD	EQ	18B	TB00BQ	00	=		BUFFER REG BIT 0	
XA533	TDD	EQ	19B	(37)	01		SPI024		
							39 19B		
				TB01BI	00	=			
XA533	TDD	FI	16A	( )	01		TD01BQ		
							34 16A		

3-2880-1

| | DATA SYSTEMS DIVISION
LITTON SYSTEMS. INC
LITTON INDUSTRIES | DRAWING NUMBER
UNIT ASSEMBLY NAME | 149016-860
CARD CAGE ASSY,A,IFCU | | LOGIC | UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6 | REV. E
DATE 09-03-82 | INDEX TB01BN
PAGE 192 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TB01BN	00	=		
KA533	TDD	FN	15A		( )	01		TBCP00 30 15A	
KA533	TDD	FP	16B		TB01BP	00	=		
KA533	TDD	FP	17A		(33)	01		SPI023 36 17A	
KA533	TDD	FQ	15B		TB01BQ	00	=		
KA533	TDD	FQ	14B		(31)	01		SPI008 29 14B	
					TB02BI	00	=		
KA533	TDD	GI	25A		( )	01		TD02BQ 54 25A	
					TB02BN	00	=		
KA533	TDD	GN	26A		( )	01		TBCP00 56 26A	
KA533	TDD	GP	25B		TB02BP	00	=		
KA533	TDD	GP	24A		(47)	01		SPI025 52 24A	
KA533	TDD	GQ	26B		TB02BQ	00	=		
KA533	TDD	GQ	27B		(49)	01		SPI024 51 27B	
					TB03BI	00	=		
KA533	TDD	HI	22A		( )	01		TD03BQ 48 22A	
					TB03BN	00	=		
KA533	TDD	HN	21A		( )	01		TBCP00 46 21A	
KA533	TDD	HP	24B		TB03BP	00	=		
KA533	TDD	HP	23A		(45)	01		SPI023 50 23A	
KA533	TDD	HQ	23B		TB03BQ	00	=		
KA533	TDD	HQ	22B		(43)	01		SPI008 41 22B	
					TB04BI	00	=		
KA533	TDD	JI	32A		( )	01		TD04BQ 68 32A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU	LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX TB04BN PAGE 193

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TB04BN	00	=		
XA533	TDD	JN		33A	( )	01		TBCP10 70 33A	
XA533	TDD	JP		31B	TB04BP	00	=		
XA533	TDD	JP		31A	(59)	01		SPI025 66 31A	
XA533	TDD	JQ		32B	TB04BQ	00	=		
XA533	TDD	JQ		33B	(61)	01		SPI024 63 33B	
					TB05BI	00	=		
XA533	TDD	KI		29A	( )	01		TDO5BQ 62 29A	
					TB05BN	00	=		
XA533	TDD	KN		28A	( )	01		TBCP10 60 28A	
XA533	TDD	KP		30B	TB05BP	00	=		
XA533	TDD	KP		30A	(57)	01		SPI023 64 30A	
XA533	TDD	KQ		29B	TB05BQ	00	=		
XA533	TDD	KQ		28B	(55)	01		SPI008 53 28B	
					TB06BI	00	=		
XA533	TDD	LI		38B	( )	01		TDO6BQ 77 38B	
					TB06BN	00	=		
XA533	TDD	LN		39B	( )	01		TBCP10 79 39B	
XA533	TDD	LP		37A	TB06BP	00	=		
XA533	TDD	LP		37B	(76)	01		SPI025 75 37B	
XA533	TDD	LQ		38A	TB06BQ	00	=		
XA533	TDD	LQ		39A	(78)	01		SPI024 80 39A	
					TB07BI	00	=		
XA533	TDD	MI		36A	( )	01		TD07BQ 71 36A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

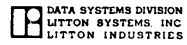UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX TB07BN
PAGE 194

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					TB07BN	00	=		
XA533	TDD	MN	34A		( )	01		TBCP10 72 34A	
XA533	TDD	MP	35A		TB07BP	00	=		
XA533	TDD	MP	36B		(69)	01		SPI023 73 36B	
XA533	TDD	MQ	35B		TB07BQ	00	=		BUFFER REG BIT 7
XA533	TDD	MQ	34B		(74)	01		SPI008 65 34B	
					TB08BI	00	=		
XA534	TDD	AI	06A		( )	01		TD08BQ 08 06A	
					TB08BN	00	=		
XA534	TDD	AN	07A		( )	01		TBCP20 10 07A	
XA534	TDD	AP	05B		TB08BP	00	=		
XA534	TDD	AP	05A		(11)	01		SPI025 06 05A	
XA534	TDD	AQ	06B		TB08BQ	00	=		
XA534	TDD	AQ	07B		(13)	01		SPI024 15 07B	
					TB09BI	00	=		
XA534	TDD	BI	03B		( )	01		TD09BQ 05 03B	
					TB09BN	00	=		
XA534	TDD	BN	02B		( )	01		TBCP20 01 02B	
XA534	TDD	BP	04B		TB09BP	00	=		
XA534	TDD	BP	04A		(09)	01		SPI023 04 04A	
XA534	TDD	BQ	03A		TB09BQ	00	=		
XA534	TDD	BQ	02A		(07)	01		SPI008 03 02A	
					TB10BI	00	=		
XA534	TDD	CI	13A		( )	01		TD10BQ 24 13A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO. 149016		REV. E	INDEX	TB10BN
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT T39CIFC6		DATE 09-03-82	PAGE	195

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					TB10BN	00	=		
XA534	TDD	CN	14A		( )	01		TBCP20 26 14A	
XA534	TDD	CP	11B		TB10BP	00	=		
XA534	TDD	CP	12A		(23)	01		SPI025 22 12A	
XA534	TDD	CQ	12B		TB10BQ	00	=		
XA534	TDD	CQ	13B		(25)	01		SPI024 27 13B	
					TB11BI	00	=		
XA534	TDD	DI	10A		( )	01		TD11BQ 18 10A	
					TB11BN	00	=		
XA534	TDD	DN	09A		( )	01		TBCP20 14 09A	
XA534	TDD	DP	10B		TB11BP	00	=		
XA534	TDD	DP	11A		(21)	01		SPI023 20 11A	
XA534	TDD	DQ	09B		TB11BQ	00	=		
XA534	TDD	DQ	08B		(19)	01		SPI008 17 08B	
					TB12BI	00	=		
XA534	TDD	EI	19A		( )	01		TD12BQ 40 19A	
					TB12BN	00	=		
XA534	TDD	EN	20A		( )	01		TBCP30 42 20A	
XA534	TDD	EP	17B		TB12BP	00	=		
XA534	TDD	EP	18A		(35)	01		SPI025 38 18A	
XA534	TDD	EQ	18B		TB12BQ	00	=		
XA534	TDD	EQ	19B		(37)	01		SPI024 39 19B	
					TB13BI	00	=		
XA534	TDD	FI	16A		( )	01		TD13BQ 34 16A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS. INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860			LOGIC		UNIT ASSEMBLY NO.	149016	REV. E	INDEX TB13BN
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU					FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE 196

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG- NATOR	FACTOR	COMMENT
					TB13BN	00	=		
XA534	TDD	FN	15A		( )	01		TBCP30 30 15A	
XA534	TDD	FP	16B		TB13BP	00	=		
XA534	TDD	FP	17A		(33)	01		SPI023 36 17A	
XA534	TDD	FQ	15B		TB13BQ	00	=		
XA534	TDD	FQ	14B		(31)	01		SPI008 29 14B	
					TB14BI	00	=		
XA534	TDD	GI	25A		( )	01		TD14BQ 54 25A	
					TB14BN	00	=		
XA534	TDD	GN	26A		( )	01		TBCP30 56 26A	
XA534	TDD	GP	25B		TB14BP	00	=		
XA534	TDD	GP	24A		(47)	01		SPI025 52 24A	
XA534	TDD	GQ	26B		TB14BQ	00	=		
XA534	TDD	GQ	27B		(49)	01		SPI024 51 27B	
					TB15BI	00	=		
XA534	TDD	HI	22A		( )	01		TD15BQ 48 22A	
					TB15BN	00	=		
XA534	TDD	HN	21A		( )	01		TBCP30 46 21A	
XA534	TDD	HP	24B		TB15BP	00	=		
XA534	TDD	HP	23A		(45)	01		SPI023 50 23A	
XA534	TDD	HQ	23B		TB15BQ	00	=		BUFFER REG BIT 15
XA534	TDD	HQ	22B		(43)	01		SPI008 41 22B	
					TB16BI	00	=		
XA534	TDD	JI	32A		( )	01		TD16BQ 68 32A	
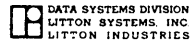
3-2880-1

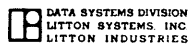| | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY, A, IFCU | | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX TB16BN PAGE 197 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					TB16BN	00	=		
XA534	TDD	JN	33A		( )	01		TBCP40 70 33A	
XA534	TDD	JP	31B		TB16BP	00	=		
XA534	TDD	JP	31A		(59)	01		SPI025 66 31A	
XA534	TDD	JQ	32B		TB16BQ	00	=		BUFFER REG BIT 16
XA534	TDD	JQ	33B		(61)	01		SPI024 63 33B	
					TB17BI	00	=		
XA534	TDD	KI	29A		( )	01		TD17BQ 62 29A	
					TB17BN	00	=		
XA534	TDD	KN	28A		( )	01		TBCP40 60 28A	
XA534	TDD	KP	30B		TB17BP	00	=		
XA534	TDD	KP	30A		(57)	01		SPI023 64 30A	
XA534	TDD	KQ	29B		TB17BQ	00	=		
XA534	TDD	KQ	28B		(55)	01		SPI008 53 28B	
					TB18BI	00	=		
XA534	TDD	LI	38B		( )	01		TD18BQ 77 38B	
					TB18BN	00	=		
XA534	TDD	LN	39B		( )	01		TBCP40 79 39B	
XA534	TDD	LP	37A		TB18BP	00	=		
XA534	TDD	LP	37B		(76)	01		SPI025 75 37B	
XA534	TDD	LQ	38A		TB18BQ	00	=		
XA534	TDD	LQ	39A		(78)	01		SPI024 80 39A	
					TB19BI	00	=		
XA534	TDD	MI	36A		( )	01		TD19BQ 71 36A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES — DRAWING NUMBER 149016-860 — UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU — LOGIC — UNIT ASSEMBLY NO. 149016 — FILE IDENT T39CIFC6 — REV. E — DATE 09-03-82 — INDEX TB19BN — PAGE 198

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TB19BN	00	=		
KA534	TDD	MN	34A		( )	01		TBCP40 72 34A	
KA534	TDD	MP	35A		TB19BP	00	=		
KA534	TDD	MP	36B		(69)	01		SPI023 73 36B	
KA534	TDD	MQ	35B		TB19BQ	00	=		
KA534	TDD	MQ	34B		(74)	01		SPI008 65 34B	
					TB20BI	00	=		
KA535	TDD	AI	06A		( )	01		TD20BQ 08 06A	
					TB20BN	00	=		
KA535	TDD	AN	07A		( )	01		TBCP50 10 07A	
KA535	TDD	AP	05B		TB20BP	00	=		
KA535	TDD	AP	05A		(11)	01		SPI025 06 05A	
KA535	TDD	AQ	06B		TB20BQ	00	=		
KA535	TDD	AQ	07B		(13)	01		SPI024 15 07B	
					TB21BI	00	=		
KA535	TDD	BI	03B		( )	01		TD21BQ 05 03B	
					TB21BN	00	=		
KA535	TDD	BN	02B		( )	01		TBCP50 01 02B	
KA535	TDD	BP	04B		TB21BP	00	=		
KA535	TDD	BP	04A		(09)	01		SPI023 04 04A	
KA535	TDD	BQ	03A		TB21BQ	00	=		
KA535	TDD	BQ	02A		(07)	01		SPI008 03 02A	
					TB22BI	00	=		
KA535	TDD	CI	13A		( )	01		TD22BQ 24 13A	

3-2880-1

| | DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES | DRAWING NUMBER | 149016-860 | LOGIC | UNIT ASSEMBLY NO. | 149016 | REV. E | INDEX | TB22BN |
| | | UNIT ASSEMBLY NAME | CARD CAGE ASSY,A,IFCU | | FILE IDENT | T39CIFC6 | DATE | 09-03-82 | PAGE | 199 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					TB22BN	00	=		
XA535	TDD	CN	14A		( )	01		TBCP50 26 14A	
XA535	TDD	CP	11B		TB22BP	00	=		
XA535	TDD	CP	12A		(23)	01		SPI025 22 12A	
XA535	TDD	CQ	12B		TB22BQ	00	=		
XA535	TDD	CQ	13B		(25)	01		SPI024 27 13B	
					TB23BI	00	=		
XA535	TDD	DI	10A		( )	01		TD23BQ 18 10A	
					TB23BN	00	=		
XA535	TDD	DN	09A		( )	01		TBCP50 14 09A	
XA535	TDD	DP	10B		TB23BP	00	=		
XA535	TDD	DP	11A		(21)	01		SPI023 20 11A	
XA535	TDD	DQ	09B		TB23BQ	00	=		BUFFER REG BIT 23
XA535	TDD	DQ	08B		(19)	01		SPI008 17 08B	
					TB24BI	00	=		
XA535	TDD	EI	19A		( )	01		TD24BQ 40 19A	
					TB24BN	00	=		
XA535	TDD	EN	20A		( )	01		TBCP60 42 20A	
XA535	TDD	EP	17B		TB24BP	00	=		
XA535	TDD	EP	18A		(35)	01		SPI025 38 18A	
XA535	TDD	EQ	18B		TB24BQ	00	=		BUFFER REG BIT 24
XA535	TDD	EQ	19B		(37)	01		SPI024 39 19B	
					TB25BI	00	=		
XA535	TDD	FI	16A		( )	01		TD25BQ 34 16A	

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC / LITTON INDUSTRIES

DRAWING NUMBER	149016-860			LOGIC	UNIT ASSEMBLY NO.	149016	REV. E
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT	T39CIFC6	INDEX TB25BN
					DATE	09-03-82	PAGE 200

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TB25BN	00	=		
KA535	TDD	FN	15A		( )	01		TBCP60 30 15A	
KA535	TDD	FP	16B		TB25BP	00	=		
KA535	TDD	FP	17A		(33)	01		SPI023 36 17A	
KA535	TDD	FQ	15B		TB25BQ	00	=		
KA535	TDD	FQ	14B		(31)	01		SPI008 29 14B	
					TB26BI	00	=		
KA535	TDD	GI	25A		( )	01		TD26BQ 54 25A	
					TB26BN	00	=		
KA535	TDD	GN	26A		( )	01		TBCP60 56 26A	
KA535	TDD	GP	25B		TB26BP	00	=		
KA535	TDD	GP	24A		(47)	01		SPI025 52 24A	
KA535	TDD	GQ	26B		TB26BQ	00	=		
KA535	TDD	GQ	27B		(49)	01		SPI024 51 27B	
					TB27BI	00	=		
KA535	TDD	HI	22A		( )	01		TD27BQ 48 22A	
					TB27BN	00	=		
KA535	TDD	HN	21A		( )	01		TBCP60 46 21A	
KA535	TDD	HP	24B		TB27BP	00	=		
KA535	TDD	HP	23A		(45)	01		SPI023 50 23A	
KA535	TDD	HQ	23B		TB27BQ	00	=		
KA535	TDD	HQ	22B		(43)	01		SPI008 41 22B	
					TB28BI	00	=		
KA535	TDD	JI	32A		( )	01		TD28BQ 68 32A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

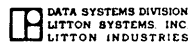UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX TB28BN
PAGE 201

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TB28BN	00	=		
XA535	TDD	JN	33A		( )	01		TBCP70 70 33A	
XA535	TDD	JP	31B		TB28BP	00	=		
XA535	TDD	JP	31A		(59)	01		SPI025 66 31A	
XA535	TDD	JQ	32B		TB28BQ	00	=		
XA535	TDD	JQ	33B		(61)	01		SPI024 63 33B	
					TB29BI	00	=		
XA535	TDD	KI	29A		( )	01		TD29BQ 62 29A	
					TB29BN	00	=		
XA535	TDD	KN	28A		( )	01		TBCP70 60 28A	
XA535	TDD	KP	30B		TB29BP	00	=		
XA535	TDD	KP	30A		(57)	01		SPI023 64 30A	
XA535	TDD	KQ	29B		TB29BQ	00	=		
XA535	TDD	KQ	28B		(55)	01		SPI008 53 28B	
					TB30BI	00	=		
XA535	TDD	LI	38B		( )	01		TD30BQ 77 38B	
					TB30BN	00	=		
XA535	TDD	LN	39B		( )	01		TBCP70 79 39B	
XA535	TDD	LP	37A		TB30BP	00	=		
XA535	TDD	LP	37B		(76)	01		SPI025 75 37B	
XA535	TDD	LQ	38A		TB30BQ	00	=		
XA535	TDD	LQ	39A		(78)	01		SPI024 80 39A	
					TB31BI	00	=		
XA535	TDD	MI	36A		( )	01		TD31BQ 71 36A	

3-2880-1

| | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | DRAWING NUMBER UNIT ASSEMBLY NAME | 149016-860 CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX TB31BN PAGE 202 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					TB31BN	00	=		
XA535	TDD	MN	34A		( )	01		TBCP70 72 34A	
XA535	TDD	MP	35A		TB31BP	00	=		
XA535	TDD	MP	36B		(69)	01		SPI023 73 36B	
XA535	TDD	MQ	35B		TB31BQ	00	=		BUFFER REG BIT 31
XA535	TDD	MQ	34B		(74)	01		SPI008 65 34B	
XA411	TQ2	A1	05A		TCCP00	00	=		MAIN TIMING COUNTER CLK 00-04
XA411	TQ2	A1	06A		(06)	01		TXCP3A T009SA 08 06A 10 07A	
XA412	TQ2	A1	05A		TCCP1C	00	=		
XA412	TQ2	A1	06A		(06)	01		TC04BP SPI004 08 06A 10 07A	
XA411	TQ2	A2	02B		TCCP20	00	=		
XA411	TQ2	A2	04A		(01)	01		TC14BP SPI001 04 04A 05 03B	
XA412	TQ2	A2	02B		TCCP30	00	=		
XA412	TQ2	A2	04A		(01)	01		TC24BP SPI004 04 04A 05 03B	
XA411	TQ2	A3	04B		TCCP40	00	=		
XA411	TQ2	A3	02A		(09)	01		TC34BP SPI001 03 02A 07 03A	
XA412	TQ2	A3	04B		TCCP50	00	=		
XA412	TQ2	A3	02A		(09)	01		TC44BP SPI004 03 02A 07 03A	
XA411	TQ2	A4	07B		TCCP60	00	=		MAIN TIMING COUNTER CLK 60-64
XA411	TQ2	A4	05B		(15)	01		TC54BP SPI001 11 05B 13 06B	
XA411	TQ2	B1	12A		TCCP70	00	=		WRITE TIMING COUNTER CLK 0-4
XA411	TQ2	B1	13A		(22)	01		TXCP3A SPI001 24 13A 26 14A	
XA412	TQ2	B1	12A		TCCP80	00	=		
XA412	TQ2	B1	13A		(22)	01		TC74BP SPI004 24 13A 26 14A	

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS INC / LITTON INDUSTRIES

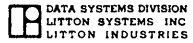DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

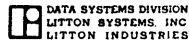UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX TCCP90
PAGE 203

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA411	TQ2	B2	09A		TCCP90	00	=		WRITE TIMING COUNTER CLK 90/1
XA411	TQ2	B2	10A		(14)	01		TC84BP SPI001 18 10A 20 11A	
XA444	TLD	C4	19B		TCILKD4	00	=		CABLE INTERLOCK DRIVER
XA444	TLD	C4	17B		(39)	01		SPI012 SPI017 35 17B 37 18B	
XA412	TQ2	D4	27B		TCILKO	00	=		CABLE INTERLOCK RECEIVER
XA412	TQ2	D4	25B		(51)	01		TCILKA4 SPI004 47 25B 49 26B	
XA510	TT3	F1	36B		TCRSCA	00	=		
XA510	TT3	F1	37B		(73)	01		TKA01Q TKA02P TSCL3B 75 37B 77 38B 79 39B	
XA412	TQ2	B2	09A		TCRSOA	00	=		TCRSOB BUSS
XA412	TQ2	B2	10A		(14)	01		TCRS00 SPI004 18 10A 20 11A	
					TCRSOB	00	=		
XA412	TQ2	B2	09A		( )	Q1		TCRSOA 14 09A	
XA412	TQ2	B3	10B		( )	02	+	TCRS1A 21 10B	
XA412	TQ2	B4	13B		( )	03	+	TCRS2A 27 13B	
XA418	TS8	A1	05B		TCRS00	00	=		MAIN TIMING COUNTER RESET
XA418	TS8	A1	02B		(11)	01		TSTPRA TSTRRA TFSTRA TLADRA TCRSCA TWRGRA TXRS1B TSTR3A 01 02B 04 04A 05 03B 06 05A 07 03A 08 06A 10 07A 13 06B	
XA412	TQ2	B3	10B		TCRS1A	00	=		TCRSOB BUSS
XA412	TQ2	B3	08B		(21)	01		TCRS00 SPI004 17 08B 19 09B	
XA412	TQ2	B4	13B		TCRS2A	00	=		TCRSOB BUSS
XA412	TQ2	B4	11B		(27)	01		TCRS00 SPI004 23 11B 25 12B	
XA412	TQ2	C1	18A		TCRS7A	00	=		
XA412	TQ2	C1	19A		(38)	01		TCRS70 SPI004 40 19A 42 20A	
XA410	TD4	A1	05B		TCRS70	00	=		WRITE TIMING COUNTER RESET
XA410	TD4	A1	05A		(11)	01		TWRIRA TLRCRA TWRGRA TXRS1B 06 05A 08 06A 10 07A 13 06B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS. INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU				LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX TCSDRA PAGE 204

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND / OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
KA523	TQ2	A1	05A	TCSDRA	00	=		
KA523	TQ2	A1	06A	(06)	01		TCSDRO SPI022 08 06A 10 07A	
KA524	TT3	A1	04A	TCSDRO	00	=		INPUT DELAY COUNTER RESET
KA524	TT3	A1	05A	(04)	01		TCSDOP TTSC00 TRWOCA 06 05A 08 06A 10 07A	
KA525	TD4	A2	04B	TCSDOA	00	=		START NEW TAPE MOTION COMMAND
KA525	TD4	A2	02B	(09)	01		TCSD00 TCSD1P TCSD2Q TSCL1B 01 02B 04 04A 05 03B 07 03A	
				TCSD01	00	=		
KA417	TDD	LI	38B	( )	01		SPI005 77 38B	
				TCSDON	00	=		
KA417	TDD	LN	39B	( )	01		TCSD2P 79 39B	
KA417	TDD	LP	37A	TCSDOP	00	=		
KA417	TDD	LP	37B	(76)	01		TSYN1A 75 37B	
KA417	TDD	LQ	38A	TCSDOQ	00	=		INPUT DELAY CONTROL F/F
KA417	TDD	LQ	39A	(78)	01		TXRS2B 80 39A	
KA524	TT3	A2	03A	TCSDOR	00	=		
KA524	TT3	A2	02B	(07)	01		TCSDOS TSNC1A TXRS2B 01 02B 03 02A 05 03B	
KA523	TQ2	A2	02B	TCSDOS	00	=		INPUT DELAY BUSY F/F
KA523	TQ2	A2	04A	(01)	01		TCSDOR TSYN1A 04 04A 05 03B	
KA527	TS8	C1	17B	TCSD00	00	=		
KA527	TS8	C1	15A	(35)	01		TREWIP TREWDP TSPACP TREADP TWRITP TWRIEP TSPAFP THISPP 30 15A 31 15B 34 16A 36 17A 37 18B 38 18A 40 19A 42 20A	
				TCSD1I	00	=		
KA417	TDD	JI	32A	( )	01		TCSD2P 68 32A	
				TCSD1N	00	=		
KA417	TDD	JN	33A	( )	01		TSCK3B 70 33A	
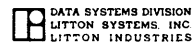
3-2880-1

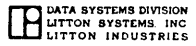|							
DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860			UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU	LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82 INDEX TCSD1P PAGE 205

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA417	TDD	JP	31B		TCSD1P	00	=		
XA417	TDD	JP	31A		(59)	01		TCSDRA 66 31A	
XA417	TDD	JQ	32B		TCSD1Q	00	=		
XA417	TDD	JQ	33B		(61)	01		SPI006 63 33B	
XA407	TQ2	B3	10B		TCSD1O	00	=		
XA407	TQ2	B3	08B		(21)	01		TREWIP TREWDP 17 08B 19 09B	
XA525	TD4	B1	11B		TCSD2A	00	=		
XA525	TD4	B1	12A		(23)	01		TREWDP TCSD1P TCSD2Q TSCL1B 22 12A 24 13A 25 12B 26 14A	
					TCSD2I	00	=		
XA415	TDD	KI	29A		( )	01		TCSD1Q 62 29A	
					TCSD2N	00	=		
XA415	TDD	KN	28A		( )	01		TSCK3B 60 28A	
XA415	TDD	KP	30B		TCSD2P	00	=		
XA415	TDD	KP	30A		(57)	01		TCSDRA 64 30A	
XA415	TDD	KQ	29B		TCSD2Q	00	=		INPUT DELAY COUNTER BIT 2
XA415	TDD	KQ	28B		(55)	01		SPI002 53 28B	
XA523	TQ2	F1	37B		TCSD2O	00	=		
XA523	TQ2	F1	38B		(75)	01		TCSD2A SPI022 77 38B 79 39B	
XA418	TS8	B1	11B		TCZR0A	00	=		MAIN TIMING COUNTER IS ZERO
XA418	TS8	B1	09A		(23)	01		TC00BQ TC04BQ TC10BQ TC14BQ TC20BQ TC24BQ TCZR1O SPI007 14 09A 18 10A 19 09B 20 11A 22 12A 24 13A 25 12B 26 14A	
XA412	TQ2	C2	15A		TCZR0O	00	=	.	
XA412	TQ2	C2	16A		(30)	01		TCZR0A SPI004 34 16A 36 17A	
XA418	TS8	C1	17B		TCZR1A	00	=		
XA418	TS8	C1	15A		(35)	01		TC30BQ TC34BQ TC40BQ TC44BQ TC50BQ TC54BQ TC60BQ TC64BQ 30 15A 31 15B 34 16A 36 17A 37 18B 38 18A 40 19A 42 20A	

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC / LITTON INDUSTRIES

DRAWING NUMBER	149016-860		LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	TCZR10
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU			FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	206

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA412	TQ2	C3	16B		TCZR10	00	=		
XA412	TQ2	C3	14B		(33)	01		TCZR1A SPI004 29 14B 31 15B	
XA521	TS8	A1	05B		TCZR7A	00	=		WRITE TIMING COUNTER IS ZERO
XA521	TS8	A1	02B		(11)	01		TC70BQ TC74BQ TC80BQ TC84BQ TC90BQ TC91BQ SPI022 SPI019 01 02B 04 04A 05 03B 06 05A 07 03A 08 06A 10 07A 13 06B	
XA520	TQ2	B3	10B		TCZR70	00	=		
XA520	TQ2	B3	08B		(21)	01		TCZR7A SPI021 17 08B 19 09B	
					TC00BI	00	=		
XA413	TDD	AI	06A		( )	01		TC04BP 08 06A	
					TC00BN	00	=		
XA413	TDD	AN	07A		( )	01		TCCP00 10 07A	
XA413	TDD	AP	05B		TC00BP	00	=		
XA413	TDD	AP	05A		(11)	01		SPI004 06 05A	
XA413	TDD	AQ	06B		TC00BQ	00	=		
XA413	TDD	AQ	07B		(13)	01		TCRSOB 15 07B	
					TC01BI	00	=		
XA414	TDD	AI	06A		( )	01		TC00BQ 08 06A	
					TC01BN	00	=		
XA414	TDD	AN	07A		( )	01		TCCP00 10 07A	
XA414	TDD	AP	05B		TC01BP	00	=		
XA414	TDD	AP	05A		(11)	01		SPI004 06 05A	
XA414	TDD	AQ	06B		TC01BQ	00	=		
XA414	TDD	AQ	07B		(13)	01		TCRSOB 15 07B	
					TC02BI	00	=		
XA415	TDD	AI	06A		( )	01		TC01BQ 08 06A	

3-2880-1

DATA SYSTEMS DIVISION		DRAWING NUMBER	149016-860			LOGIC	UNIT ASSEMBLY NO. 149016	REV. E	INDEX TC02BN
LITTON SYSTEMS INC		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 207
LITTON INDUSTRIES									

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TC02BN	00	=		
XA415	TDD	AN	07A		( )	01		TCCP00 10 07A	
XA415	TDD	AP	05B		TC02BP	00	=		
XA415	TDD	AP	05A		(11)	01		SPI005 06 05A	
XA415	TDD	AQ	06B		TC02BQ	00	=		
XA415	TDD	AQ	07B		(13)	01		TCRS0B 15 07B	
					TC03BI	00	=		
XA416	TDD	AI	06A		( )	01		TC02BQ 08 06A	
					TC03BN	00	=		
XA416	TDD	AN	07A		( )	01		TCCP00 10 07A	
XA416	TDD	AP	05B		TC03BP	00	=		
XA416	TDD	AP	05A		(11)	01		SPI005 06 05A	
XA416	TDD	AQ	06B		TC03BQ	00	=		
XA416	TDD	AQ	07B		(13)	01		TCRS0B 15 07B	
					TC04BI	00	=		
XA417	TDD	AI	06A		( )	01		TC03BQ 08 06A	
					TC04BN	00	=		
XA417	TDD	AN	07A		( )	01		TCCP00 10 07A	
XA417	TDD	AP	05B		TC04BP	00	=		
XA417	TDD	AP	05A		(11)	01		SPI005 06 05A	
XA417	TDD	AQ	06B		TC04BQ	00	=		MAIN TIMING COUNTER 1 0US
XA417	TDD	AQ	07B		(13)	01		TCRS0B 15 07B	
					TC10BI	00	=		
XA413	TDD	BI	03B		( )	01		TC14BP 05 03B	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS INC
LITTON INDUSTRIES

DRAWING NUMBER **149016-860**
UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**

LOGIC

UNIT ASSEMBLY NO. **149016**
FILE IDENT **T39CIFC6**
REV. **E**
DATE **09-03-82**
INDEX **TC10BN**
PAGE **208**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TC10BN	00	=		
XA413	TDD	BN	02B		( )	01		TCCP10 01 02B	
XA413	TDD	BP	04B		TC10BP	00	=		
XA413	TDD	BP	04A		(09)	01		SPI002 04 04A	
XA413	TDD	BQ	03A		TC10BQ	00	=		
XA413	TDD	BQ	02A		(07)	01		TCRS08 03 02A	
					TC11BI	00	=		
XA414	TDD	BI	03B		( )	01		TC10BQ 05 03B	
					TC11BN	00	=		
XA414	TDD	BN	02B		( )	01		TCCP10 01 02B	
XA414	TDD	BP	04B		TC11BP	00	=		
XA414	TDD	BP	04A		(09)	01		SPI002 04 04A	
XA414	TDD	BQ	03A		TC11BQ	00	=		
XA414	TDD	BQ	02A		(07)	01		TCRS08 03 02A	
					TC12BI	00	=		
XA415	TDD	BI	03B		( )	01		TC11BQ 05 03B	
					TC12BN	00	=		
XA415	TDD	BN	02B		( )	01		TCCP10 01 02B	
XA415	TDD	BP	04B		TC12BP	00	=		
XA415	TDD	BP	04A		(09)	01		SPI002 04 04A	
XA415	TDD	BQ	03A		TC12BQ	00	=		
XA415	TDD	BQ	02A		(07)	01		TCRS08 03 02A	
					TC13BI	00	=		
XA416	TDD	BI	03B		( )	01		TC12BQ 05 03B	

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS INC / LITTON INDUSTRIES		DRAWING NUMBER 149016-860 / UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU			LOGIC		UNIT ASSEMBLY NO. 149016 / FILE IDENT T39CIFC6	REV. E / DATE 09-03-82	INDEX TC13BN / PAGE 209

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					TC13BN	00	=		
XA416	TDD	BN	02B		( )	01		TCCP10 / 01 02B	
XA416	TDD	BP	04B		TC13BP	00	=		
XA416	TDD	BP	04A		(09)	01		SPI002 / 04 04A	
XA416	TDD	BQ	03A		TC13BQ	00	=		
XA416	TDD	BQ	02A		(07)	01		TCRSOB / 03 02A	
					TC14BI	00	=		
XA417	TDD	BI	03B		( )	01		TC13BQ / 05 03B	
					TC14BN	00	=		
XA417	TDD	BN	02B		( )	01		TCCP10 / 01 02B	
XA417	TDD	BP	04B		TC14BP	00	=		
XA417	TDD	BP	04A		(09)	01		SPI006 / 04 04A	
XA417	TDD	BQ	03A		TC14BQ	00	=		MAIN TIMING COUNTER 1 000S
XA417	TDD	BQ	02A		(07)	01		TCRSOB / 03 02A	
					TC20BI	00	=		
XA413	TDD	CI	13A		( )	01		TC24BP / 24 13A	
					TC20BN	00	=		
XA413	TDD	CN	14A		( )	01		TCCP20 / 26 14A	
XA413	TDD	CP	11B		TC20BP	00	=		
XA413	TDD	CP	12A		(23)	01		SPI004 / 22 12A	
XA413	TDD	CQ	12B		TC20BQ	00	=		
XA413	TDD	CQ	13B		(25)	01		TCRSOB / 27 13B	
					TC21BI	00	=		
XA414	TDD	CI	13A		( )	01		TC20BQ / 24 13A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC.
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
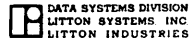INDEX TC21BN
PAGE 210

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					TC21BN	00	=		
XA414	TDD	CN	14A		( )	01		TCCP20 26 14A	
XA414	TDD	CP	11B		TC21BP	CO	=		
XA414	TDD	CP	12A		(23)	01		SPI005 22 12A	
XA414	TDD	CQ	12B		TC21BQ	00	=		
XA414	TDD	CQ	13B		(25)	01		TCRS0B 27 13B	
					TC22BI	00	=		
XA415	TDD	CI	13A		( )	01		TC21BQ 24 13A	
					TC22BN	00	=		
XA415	TDD	CN	14A		( )	01		TCCP20 26 14A	
XA415	TDD	CP	11B		TC22BP	CO	=		
XA415	TDD	CP	12A		(23)	01		SPI005 22 12A	
XA415	TDD	CQ	12B		TC22BQ	00	=		
XA415	TDD	CQ	13B		(25)	01		TCRS0B 27 13B	
					TC23BI	00	=		
XA416	TDD	CI	13A		( )	01		TC22BQ 24 13A	
					TC23BN	00	=		
XA416	TDD	CN	14A		( )	01		TCCP20 26 14A	
XA416	TDD	CP	11B		TC23BP	CO	=		
XA416	TDD	CP	12A		(23)	01		SPI005 22 12A	
XA416	TDD	CQ	12B		TC23BQ	00	=		
XA416	TDD	CQ	13B		(25)	01		TCRS0B 27 13B	
					TC24BI	00	=		
XA417	TDD	CI	13A		( )	01		TC23BQ 24 13A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860		LOGIC		UNIT ASSEMBLY NO. 149016	REV. E	INDEX TC24BN
	UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU				FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 211

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG- NATOR	FACTOR	COMMENT
					TC24BN	00	=		
XA417	TDD	CN	14A		( )	01		TCCP20 26 14A	
XA417	TDD	CP	11B		TC24BP	00	=		
XA417	TDD	CP	12A		(23)	01		SPI005 22 12A	
XA417	TDD	CQ	12B		TC24BQ	00	=		MAIN TIMING COUNTER 1MS
XA417	TDD	CQ	13B		(25)	01		TCRSOB 27 13B	
					TC30BI	00	=		
XA413	TDD	DI	10A		( )	01		TC34BP 18 10A	
					TC30BN	00	=		
XA413	TDD	DN	09A		( )	01		TCCP30 14 09A	
XA413	TDD	DP	10B		TC30BP	00	=		
XA413	TDD	DP	11A		(21)	01		SPI002 20 11A	
XA413	TDD	DQ	09B		TC30BQ	00	=		
XA413	TDD	DQ	08B		(19)	01		TCRSOB 17 08B	
					TC31BI	00	=		
XA414	TDD	DI	10A		( )	01		TC30BQ 18 10A	
					TC31BN	00	=		
XA414	TDD	DN	09A		( )	01		TCCP30 14 09A	
XA414	TDD	DP	10B		TC31BP	00	=		
XA414	TDD	DP	11A		(21)	01		SPI002 20 11A	
XA414	TDD	DQ	09B		TC31BQ	00	=		
XA414	TDD	DQ	08B		(19)	01		TCRSOB 17 08B	
					TC32BI	00	=		
XA415	TDD	DI	10A		( )	01		TC31BQ 18 10A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX TC32BN
PAGE 212

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					TC32BN	00	=		
XA415	TDD	DN	09A		( )	01		TCCP30 14 09A	
XA415	TDD	DP	10B		TC32BP	00	=		
XA415	TDD	DP	11A		(21)	01		SPI002 20 11A	
XA415	TDD	DQ	09B		TC32BQ	00	=		
XA415	TDD	DQ	08B		(19)	01		TCRSOB 17 08B	
					TC33BI	00	=		
XA416	TDD	DI	10A		( )	01		TC32BQ 18 10A	
					TC33BN	00	=		
XA416	TDD	DN	09A		( )	01		TCCP30 14 09A	
XA416	TDD	DP	10B		TC33BP	00	=		
XA416	TDD	DP	11A		(21)	01		SPI002 20 11A	
XA416	TDD	DQ	09B		TC33BQ	00	=		
XA416	TDD	DQ	08B		(19)	01		TCRSOB 17 08B	
					TC34BI	00	=		
XA417	TDD	DI	10A		( )	01		TC33BQ 18 10A	
					TC34BN	00	=		
XA417	TDD	DN	09A		( )	01		TCCP30 14 09A	
XA417	TDD	DP	10B		TC34BP	00	=		
XA417	TDD	DP	11A		(21)	01		SPI006 20 11A	
XA417	TDD	DQ	09B		TC34BQ	00	=		MAIN TIMING COUNTER 1 OMS
XA417	TDD	DQ	08B		(19)	01		TCRSOB 17 08B	
					TC40BI	00	=		
XA413	TDD	EI	19A		( )	01		TC44BP 40 19A	

3-2860-1

DATA SYSTEMS DIVISION **LITTON SYSTEMS, INC** **LITTON INDUSTRIES**	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX TC40BN
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE 213

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OP	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TC40BN	00	=		
XA413	TDD	EN	20A		( )	01		TCCP40 42 20A	
XA413	TDD	EP	17B		TC40BP	00	=		
XA413	TDD	EP	18A		(35)	01		SPI004 38 18A	
XA413	TDD	EQ	18B		TC40BQ	00	=		
XA413	TDD	EQ	19B		(37)	01		TCRSOB 39 19B	
					TC41BI	00	=		
XA414	TDD	EI	19A		( )	01		TC40BQ 40 19A	
					TC41BN	00	=		
XA414	TDD	EN	20A		( )	01		TCCP40 42 20A	
XA414	TDD	EP	17B		TC41BP	00	=		
XA414	TDD	EP	18A		(35)	01		SPI005 38 18A	
XA414	TDD	EQ	18B		TC41BQ	00	=		
XA414	TDD	EQ	19B		(37)	01		TCRSOB 39 19B	
					TC42BI	00	=		
XA415	TDD	EI	19A		( )	01		TC41BQ 40 19A	
					TC42BN	00	=		
XA415	TDD	EN	20A		( )	01		TCCP40 42 20A	
XA415	TDD	EP	17B		TC42BP	00	=		
XA415	TDD	EP	18A		(35)	01		SPI005 38 18A	
XA415	TDD	EQ	18B		TC42BQ	00	=		
XA415	TDD	EQ	19B		(37)	01		TCRSOB 39 19B	
					TC43BI	00	=		
XA416	TDD	EI	19A		( )	01		TC42BQ 40 19A	

3-2880-1

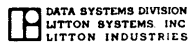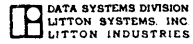| DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU	LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX TC43BN PAGE 214

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TC43BN	00	=		
XA416	TDD	EN	20A		( )	01		TCCP40 42 20A	
XA416	TDD	EP	17B		TC43BP	00	=		
XA416	TDD	EP	18A		(35)	01		SPI005 38 18A	
XA416	TDD	EQ	18B		TC43BQ	00	=		
XA416	TDD	EQ	19B		(37)	01		TCRSOB 39 19B	
					TC44BI	00	=		
XA417	TDD	EI	19A		( )	01		TC43BQ 40 19A	
					TC44BN	00	=		
XA417	TDD	EN	20A		( )	01		TCCP40 42 20A	
XA417	TDD	EP	17B		TC44BP	00	=		
XA417	TDD	EP	18A		(35)	01		SPI005 38 18A	
XA417	TDD	EQ	18B		TC44BQ	00	=		MAIN TIMING COUNTER 1 OOMS
XA417	TDD	EQ	19B		(37)	01		TCRSOB 39 19B	
					TC50BI	00	=		
XA413	TDD	FI	16A		( )	01		TC54BP 34 16A	
					TC50BN	00	=		
XA413	TDD	FN	15A		( )	01		TCCP50 30 15A	
XA413	TDD	FP	16B		TC50BP	00	=		
XA413	TDD	FP	17A		(33)	01		SPI002 36 17A	
XA413	TDD	FQ	15B		TC50BQ	00	=		
XA413	TDD	FQ	14B		(31)	01		TCRSOB 29 14B	
					TC51BI	00	=		
XA414	TDD	FI	16A		( )	01		TC50BQ 34 16A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU			LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX TC51BN PAGE 215	

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TC51BN	00	=		
XA414	TDD	FN	15A		( )	01		TCCP50 30 15A	
XA414	TDD	FP	16B		TC51BP	00	=		
XA414	TDD	FP	17A		(33)	01		SPI002 36 17A	
XA414	TDD	FQ	15B		TC51BQ	00	=		
XA414	TDD	FQ	14B		(31)	01		TCRSOB 29 14B	
					TC52BI	00	=		
XA415	TDD	FI	16A		( )	01		TC51BQ 34 16A	
					TC52BN	00	=		
XA415	TDD	FN	15A		( )	01		TCCP50 30 15A	
XA415	TDD	FP	16B		TC52BP	00	=		
XA415	TDD	FP	17A		(33)	01		SPI002 36 17A	
XA415	TDD	FQ	15B		TC52BQ	00	=		
XA415	TDD	FQ	14B		(31)	01		TCRSOB 29 14B	
					TC53BI	00	=		
XA416	TDD	FI	16A		( )	01		TC52BQ 34 16A	
					TC53BN	00	=		
XA416	TDD	FN	15A		( )	01		TCCP50 30 15A	
XA416	TDD	FP	16B		TC53BP	00	=		
XA416	TDD	FP	17A		(33)	01		SPI002 36 17A	
XA416	TDD	FQ	15B		TC53BQ	00	=		
XA416	TDD	FQ	14B		(31)	01		TCRSOB 29 14B	
					TC54BI	00	=		
XA417	TDD	FI	16A		( )	01		TC53BQ 34 16A	

3-2880-1

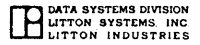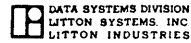| | | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | DRAWING NUMBER UNIT ASSEMBLY NAME | 149016-860 CARD CAGE ASSY,A,IFCU | | LOGIC | | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX TC54BN PAGE 216 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TC54BN	00	=		
XA417	TDD	FN	15A		( )	01		TCCP50 30 15A	
XA417	TDD	FP	16B		TC54BP	00	=		
XA417	TDD	FP	17A		(33)	01		SPI006 36 17A	
XA417	TDD	FQ	15B		TC54BQ	00	=		
XA417	TDD	FQ	14B		(31)	01		TCRS0B 29 14B	
					TC60BI	00	=		
XA413	TDD	GI	25A		( )	01		TC64BP 54 25A	
					TC60BN	00	=		
XA413	TDD	GN	26A		( )	01		TCCP60 56 26A	
XA413	TDD	GP	25B		TC60BP	00	=		
XA413	TDD	GP	24A		(47)	01		SPI004 52 24A	
XA413	TDD	GQ	26B		TC60BQ	00	=		
XA413	TDD	GQ	27B		(49)	01		TCRS0B 51 27B	
					TC61BI	00	=		
XA414	TDD	GI	25A		( )	01		TC60BQ 54 25A	
					TC61BN	00	=		
XA414	TDD	GN	26A		( )	01		TCCP60 56 26A	
XA414	TDD	GP	25B		TC61BP	00	=		
XA414	TDD	GP	24A		(47)	01		SPI005 52 24A	
XA414	TDD	GQ	26B		TC61BQ	00	=		
XA414	TDD	GQ	27B		(49)	01		TCRS0B 51 27B	
					TC62BI	00	=		
XA415	TDD	GI	25A		( )	01		TC61BQ 54 25A	
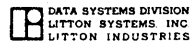
3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC.
LITTON INDUSTRIES

DRAWING NUMBER **149016-860**
UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**

LOGIC

UNIT ASSEMBLY NO. **149016**
FILE IDENT **T39CIFC6**
REV. **E**
DATE **09-03-82**
INDEX **TC62BN**
PAGE **217**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					TC62BN	00	=		
XA415	TDD	GN	26A		( )	01		TCCP60 56 26A	
XA415	TDD	GP	25B		TC62BP	00	=		
XA415	TDD	GP	24A		(47)	01		SPI005 52 24A	
XA415	TDD	GQ	26B		TC62BQ	00	=		
XA415	TDD	GQ	27B		(49)	01		TCRS0B 51 27B	
					TC63BI	00	=		
XA416	TDD	GI	25A		( )	01		TC62BQ 54 25A	
					TC63BN	00	=		
XA416	TDD	GN	26A		( )	01		TCCP60 56 26A	
XA416	TDD	GP	25B		TC63BP	00	=		
XA416	TDD	GP	24A		(47)	01		SPI005 52 24A	
XA416	TDD	GQ	26B		TC63BQ	00	=		
XA416	TDD	GQ	27B		(49)	01		TCRS0B 51 27B	
					TC64BI	00	=		
XA417	TDD	GI	25A		( )	01		TC63BQ 54 25A	
					TC64BN	00	=		
XA417	TDD	GN	26A		( )	01		TCCP60 56 26A	
XA417	TDD	GP	25B		TC64BP	00	=		
XA417	TDD	GP	24A		(47)	01		SPI005 52 24A	
XA417	TDD	GQ	26B		TC64BQ	00	=		MAIN TIMING COUNTER 1 0S
XA417	TDD	GQ	27B		(49)	01		TCRS0B 51 27B	
					TC70BI	00	=		
XA413	TDD	HI	22A		( )	01		TC74BP 48 22A	

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC / LITTON INDUSTRIES

| DRAWING NUMBER | 149016-860 |
| UNIT ASSEMBLY NAME | CARD CAGE ASSY,A,IFCU |

LOGIC

| UNIT ASSEMBLY NO. | 149016 | REV. E | INDEX | TC70BN |
| FILE IDENT | T39CIFC6 | DATE 09-03-82 | PAGE | 218 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					TC70BN	00	=		
XA413	TDD	HN	21A		( )	01		TCCP70 46 21A	
XA413	TDD	HP	24B		TC70BP	00	=		
XA413	TDD	HP	23A		(45)	01		SPI002 50 23A	
XA413	TDD	HQ	23B		TC70BQ	00	=		
XA413	TDD	HQ	22B		(43)	01		TCRS7A 41 22B	
					TC71BI	00	=		
XA414	TDD	HI	22A		( )	01		TC70BQ 48 22A	
					TC71BN	00	=		
XA414	TDD	HN	21A		( )	01		TCCP70 46 21A	
XA414	TDD	HP	24B		TC71BP	00	=		
XA414	TDD	HP	23A		(45)	01		SPI002 50 23A	
XA414	TDD	HQ	23B		TC71BQ	00	=		
XA414	TDD	HQ	22B		(43)	01		TCRS7A 41 22B	
					TC72BI	00	=		
XA415	TDD	HI	22A		( )	01		TC71BQ 48 22A	
					TC72BN	00	=		
XA415	TDD	HN	21A		( )	01		TCCP70 46 21A	
XA415	TDD	HP	24B		TC72BP	00	=		
XA415	TDD	HP	23A		(45)	01		SPI002 50 23A	
XA415	TDD	HQ	23B		TC72BQ	00	=		
XA415	TDD	HQ	22B		(43)	01		TCRS7A 41 22B	
					TC73BI	00	=		
XA416	TDD	HI	22A		( )	01		TC72BQ 48 22A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC	UNIT ASSEMBLY NO. 149016	REV. E	INDEX TC73BN
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU			FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 219

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	N. TERM.	DESIG-NATOR	FACTOR	COMMENT
					TC73BN	00	=		
XA416	TDD	HN	21A		( )	01		TCCP70 46 21A	
XA416	TDD	HP	24B		TC73BP	00	=		
XA416	TDD	HP	23A		(45)	01		SPI002 50 23A	
XA416	TDD	HQ	23B		TC73BQ	00	=		
XA416	TDD	HQ	22B		(43)	01		TCRS7A 41 22B	
					TC74BI	00	=		
XA417	TDD	HI	22A		( )	01		TC73BQ 48 22A	
					TC74BN	00	=		
XA417	TDD	HN	21A		( )	01		TCCP70 46 21A	
XA417	TDD	HP	24B		TC74BP	00	=		
XA417	TDD	HP	23A		(45)	01		SPI006 50 23A	
XA417	TDD	HQ	23B		TC74BQ	00	=		WRITE TIMING COUNTER 1 OUS
XA417	TDD	HQ	22B		(43)	01		TCRS7A 41 22B	
					TC80BI	00	=		
XA413	TDD	JI	32A		( )	01		TC84BP 68 32A	
					TC80BN	00	=		
XA413	TDD	JN	33A		( )	01		TCCP80 70 33A	
XA413	TDD	JP	31B		TC80BP	00	=		
XA413	TDD	JP	31A		(59)	01		SPI004 66 31A	
XA413	TDD	JQ	32B		TC80BQ	00	=		
XA413	TDD	JQ	33B		(61)	01		TCRS7A 63 33B	
					TC81BI	00	=		
XA414	TDD	JI	32A		( )	01		TC80BQ 68 32A	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS. INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU	LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX TC81BN PAGE 220

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TC81BN	00	=		
XA414	TDD	JN	33A		( )	01		TCCP80 70 33A	
XA414	TDD	JP	31B		TC81BP	00	=		
XA414	TDD	JP	31A		(59)	01		SPI005 66 31A	
XA414	TDD	JQ	32B		TC81BQ	00	=		
XA414	TDD	JQ	33B		(61)	01		TCRS7A 63 33B	
					TC82BI	00	=		
XA415	TDD	JI	32A		( )	01		TC81BQ 68 32A	
					TC82BN	00	=		
XA415	TDD	JN	33A		( )	01		TCCP80 70 33A	
XA415	TDD	JP	31B		TC82BP	00	=		
XA415	TDD	JP	31A		(59)	01		SPI005 66 31A	
XA415	TDD	JQ	32B		TC82BQ	00	=		
XA415	TDD	JQ	33B		(61)	01		TCRS7A 63 33B	◆
					TC83BI	00	=		
XA416	TDD	JI	32A		( )	01		TC82BQ 68 32A	
					TC83BN	00	=		
XA416	TDD	JN	33A		( )	01		TCCP80 70 33A	
XA416	TDD	JP	31B		TC83BP	00	=		
XA416	TDD	JP	31A		(59)	01		SPI005 66 31A	
XA416	TDD	JQ	32B		TC83BQ	00	=		
XA416	TDD	JQ	33B		(61)	01		TCRS7A 63 33B	
					TC84BI	00	=		
XA417	TDD	MI	36A		( )	01		TC83BQ 71 36A	

3-2880-1

| | DATA SYSTEMS DIVISION LITTON SYSTEMS. INC. LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | | LOGIC | | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX TC84BN PAGE 221 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TC84BN	00	=		
XA417	TDD	MN	34A		( )	01		TCCP80 72 34A	
XA417	TDD	MP	35A		TC84BP	00	=		
XA417	TDD	MP	36B		(69)	01		SPI005 73 36B	
XA417	TDD	MQ	35B		TC84BQ	00	=		INPUT DELAY COUNTER BIT 1
XA417	TDD	MQ	34B		(74)	01		TCRS7A 65 34B	
					TC90BI	00	=		
XA413	TDD	KI	29A		( )	01		TC91BP 62 29A	
					TC90BN	00	=		
XA413	TDD	KN	28A		( )	01		TCCP90 60 28A	
XA413	TDD	KP	30B		TC90BP	00	=		
XA413	TDD	KP	30A		(57)	01		SPI002 64 30A	
XA413	TDD	KQ	29B		TC90BQ	00	=		
XA413	TDD	KQ	28B		(55)	01		TCRS7A 53 28B	
					TC91BI	00	=		
XA414	TDD	KI	29A		( )	01		TC90BQ 62 29A	
					TC91BN	00	=		
XA414	TDD	KN	28A		( )	01		TCCP90 60 28A	
XA414	TDD	KP	30B		TC91BP	00	=		
XA414	TDD	KP	30A		(57)	01		SPI002 64 30A	
XA414	TDD	KQ	29B		TC91BQ	00	=		WRITE TIMING COUNTER 40 OUS
XA414	TDD	KQ	28B		(55)	01		TCRS7A 53 28B	
XA520	TQ2	C1	18A		TDCP00	00	=		INPUT DATA REG CLKBITS 0-3
XA520	TQ2	C1	19A		(38)	01		TXED0A TX0D0A 40 19A 42 20A	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO. 149016	REV. E	INDEX TDCP10
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 222

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA520	TQ2	C2	15A		TDCP10	00	=		
XA520	TQ2	C2	16A		(30)	01		TXED0A TX0D0A 34 16A 36 17A	
XA520	TQ2	C3	16B		TDCP20	00	=		
XA520	TQ2	C3	14B		(33)	01		TXED1A TX0D1A 29 14B 31 15B	
XA520	TQ2	C4	19B		TDCP30	00	=		
XA520	TQ2	C4	17B		(39)	01		TXED1A TX0D1A 35 17B 37 18B	
XA520	TQ2	D1	24A		TDCP40	00	=		
XA520	TQ2	D1	25A		(52)	01		TXED2A TX0D2A 54 25A 56 26A	
XA520	TQ2	D2	21A		TDCP50	00	=		
XA520	TQ2	D2	22A		(46)	01		TXED2A TX0D2A 48 22A 50 23A	
XA520	TQ2	D3	24B		TDCP60	00	=		
XA520	TQ2	D3	22B		(45)	01		TXED3A TX0D3A 41 22B 43 23B	
XA520	TQ2	D4	27B		TDCP70	00	=		INPUT DATA REG CLKBITS 28-31
XA520	TQ2	D4	25B		(51)	01		TXED3A TX0D3A 47 25B 49 26B	
XA543	TLD	D4	27B		TDIRCD4	00	=		DIRECTION DRIVER
XA543	TLD	D4	25B		(51)	01		TDIRIS SPI029 47 25B 49 26B	
XA406	TQ2	C1	18A		TDIRIR	00	=		
XA406	TQ2	C1	19A		(38)	01		TDIRIS TDRI1A 40 19A 42 20A	
XA407	TQ2	C1	18A		TDIRIS	00	=		OLD DIRECTION F/F
XA407	TQ2	C1	19A		(38)	01		TDIRIR TDRI0A 40 19A 42 20A	
					TDIRSI	00	=		
XA541	TDD	C1	13A		( )	01		TXR4CS 24 13A	
					TDIRSN	00	=		
XA541	TDD	CN	14A		( )	01		TXDV1B 26 14A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY, A, IFCU

LOGIC
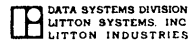
UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX TDIRSP
PAGE 223

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA541	TDD	CP	11B		TDIRSP	00	=		
XA541	TDD	CP	12A		(23)	01		TRDCAB 22 12A	
XA541	TDD	CQ	12B		TDIRSQ	00	=		NEW DIRECTION F/F
XA541	TDD	CQ	13B		(25)	01		SPI026 27 13B	
XA406	TQ2	D1	24A		TDRI0A	00	=		
XA406	TQ2	D1	25A		(52)	01		TDIRSQ TSTP2S 54 25A 56 26A	
XA408	TQ2	D4	27B		TDRI1A	00	=		
XA408	TQ2	D4	25B		(51)	01		TDIRSP TSTP2S 47 25B 49 26B	
XA437	TS8	F1	37A		TDRSCA	00	=		CLEAR INPUT DATA REG 4TH BYTE
XA437	TS8	F1	36A		(76)	01		TRTDCO TKB00P TKB01P TKA01Q TKA02P TSCL3B SPI006 SPI011 71 36A 72 34A 73 36B 74 35B 75 37B 77 38B 78 38A 79 39B	
XA406	TQ2	E3	30B		TDRS0A	00	=		
XA406	TQ2	E3	28B		(57)	01		TDRS00 SPI001 53 28B 55 29B	
XA518	TT3	B2	09B		TDRS00	00	=		
XA518	TT3	B2	09A		(19)	01		TDRSCA TXODRA TXRS2B 14 09A 17 08B 18 10A	
XA520	TQ2	E2	28A		TDRS1A	00	=		
XA520	TQ2	E2	29A		(60)	01		TDRS00 SPI021 62 29A 64 30A	
XA520	TQ2	E3	30B		TDRS2A	00	=		
XA520	TQ2	E3	28B		(57)	01		TDRS00 SPI022 53 28B 55 29B	
XA520	TQ2	E4	33B		TDRS3A	00	=		
XA520	TQ2	E4	31B		(63)	01		TDRS00 SPI022 59 31B 61 32B	
XA520	TQ2	F1	37B		TDRS4A	00	=		
XA520	TQ2	F1	38B		(75)	01		TDRS00 SPI022 77 38B 79 39B	
XA520	TQ2	F2	34A		TDRS5A	00	=		
XA520	TQ2	F2	36A		(72)	01		TDRS00 SPI022 71 36A 73 36B	
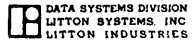
3-2880-1

H78-16 633

| | | | DRAWING NUMBER | 149016-860 | | | LOGIC | | UNIT ASSEMBLY NO. 149016 | | REV. E | INDEX TDRS6A |
DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC / LITTON INDUSTRIES — UNIT ASSEMBLY NAME: CARD CAGE ASSY,A,IFCU — FILE IDENT T39CIFC6 — DATE 09-03-82 — PAGE 224

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA520	TQ2	F3	35A		TDRS6A	00	=		
XA520	TQ2	F3	34B		(69)	01		TDRS00 SPI022 / 65 34B 74 35B	
XA520	TQ2	F4	39A		TDRS7A	00	=		
XA520	TQ2	F4	37A		(80)	01		TDRS00 SPI022 / 76 37A 78 38A	
XA407	TQ2	C4	19B		TDSC0A	00	=		
XA407	TQ2	C4	17B		(39)	01		TDSC1ER TDSC2ER / 35 17B 37 18B	
XA406	TQ2	C4	19B		TDSC00	00	=		
XA406	TQ2	C4	17B		(39)	01		TDSC0A SPI001 / 35 17B 37 18B	
XA540	EOR	B1	10B		TDSC1ER	00	=		
XA540	EOR	B1	09B		(19)	01		TDIRSQ TDIRIR / 17 09B 15 08B	
XA540	EOR	B2	13B		TDSC2ER	00	=		
XA540	EOR	B2	12B		(27)	01		TSPNSQ TSPNIR / 23 12B 21 11B	
					TD00BI	00	=		
XA528	TDD	AI	06A		( )	01		TXROCS / 08 06A	
					TD00BN	00	=		
XA528	TDD	AN	07A		( )	01		TDCP00 / 10 07A	
XA528	TDD	AP	05B		TD00BP	00	=		
XA528	TDD	AP	05A		(11)	01		TDRS0A / 06 05A	
XA528	TDD	AQ	06B		TD00BQ	00	=		INPUT DATA REG BIT0
XA528	TDD	AQ	07B		(13)	01		TR00CA / 15 07B	
					TD01BI	00	=		
XA528	TDD	BI	03B		( )	01		TXRICS / 05 03B	
					TD01BN	00	=		
XA528	TDD	BN	02B		( )	01		TDCP00 / 01 02B	

3-2880-1

| | | | | | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX TD01BP PAGE 225 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA528	TDD	BP	04	B	TD01BP	00	=		
XA528	TDD	BP	04	A	(09)	01		TDRS0A 04 04A	
XA528	TDD	BQ	03	A	TD01BQ	00	=		
XA528	TDD	BQ	02	A	(07)	01		TR01CA 03 02A	
					TD02BI	00	=		
XA528	TDD	CI	13	A	( )	01		TXR2CS 24 13A	
					TD02BN	00	=		
XA528	TDD	CN	14	A	( )	01		TDCP00 26 14A	
XA528	TDD	CP	11	B	TD02BP	00	=		
XA528	TDD	CP	12	A	(23)	01		TDRS0A 22 12A	
XA528	TDD	CQ	12	B	TD02BQ	00	=		
XA528	TDD	CQ	13	B	(25)	01		TR02CA 27 13B	
					TD03BI	00	=		
XA528	TDD	DI	10	A	( )	01		TXR3CS 18 10A	
					TD03BN	00	=		
XA528	TDD	DN	09	A	( )	01		TDCP00 14 09A	
XA528	TDD	DP	10	B	TD03BP	00	=		
XA528	TDD	DP	11	A	(21)	01		TDRS0A 20 11A	
XA528	TDD	DQ	09	B	TD03BQ	00	=		
XA528	TDD	DQ	08	B	(19)	01		TR03CA 17 08B	
					TD04BI	00	=		
XA528	TDD	EI	19	A	( )	01		TXR4CS 40 19A	
					TD04BN	00	=		
XA528	TDD	EN	20	A	( )	01		TDCP10 42 20A	

3-2880-1

| DATA SYSTEMS DIVISION / LITTON SYSTEMS INC / LITTON INDUSTRIES | DRAWING NUMBER 149016-860 | | | | LOGIC | | UNIT ASSEMBLY NO. 149016 | REV. E | INDEX TD04BP |
| UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | | | | | | | FILE IDENT T39CIFC6 | DATE 09-03-82 | PAGE 226 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
KA528	TDD	EP	17B		TD04BP	00	=		
KA528	TDD	EP	18A		(35)	01		TDRS1A 38 18A	
KA528	TDD	EQ	18B		TD04BQ	00	=		
KA528	TDD	EQ	19B		(37)	01		TR04CA 39 19B	
					TD05BI	00	=		
KA528	TDD	FI	16A		( )	01		TXR5CS 34 16A	
					TD05BN	00	=		
KA528	TDD	FN	15A		( )	01		TDCP10 30 15A	
KA528	TDD	FP	16B		TD05BP	00	=		
KA528	TDD	FP	17A		(33)	01		TDRS1A 36 17A	
KA528	TDD	FQ	15B		TD05BQ	00	=		
KA528	TDD	FQ	14B		(31)	01		TR05CA 29 14B	
					TD06BI	00	=		
KA528	TDD	GI	25A		( )	01		TXR6CS 54 25A	
					TD06BN	00	=		
KA528	TDD	GN	26A		( )	01		TDCP10 56 26A	
KA528	TDD	GP	25B		TD06BP	00	=		
KA528	TDD	GP	24A		(47)	01		TDRS1A 52 24A	
KA528	TDD	GQ	26B		TD06BQ	00	=		
KA528	TDD	GQ	27B		(49)	01		TR06CA 51 27B	
					TD07BI	00	=		
KA528	TDD	HI	22A		( )	01		TXR7CS 48 22A	
					TD07BN	00	=		
KA528	TDD	HN	21A		( )	01		TDCP10 46 21A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU		LOGIC		UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX TD07BP PAGE 227	

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA528	TDD	HP	24	B	TD07BP	00	=		
XA528	TDD	HP	23	A	(45)	01		TDRS1A 50 23A	
XA528	TDD	HQ	23	B	TD07BQ	00	=		INPUT DATA REG BIT7
XA528	TDD	HQ	22	B	(43)	01		TR07CA 41 22B	
					TD08BI	00	=		
XA528	TDD	JI	32	A	( )	01		TXR0CS 68 32A	
					TD08BN	00	=		
XA528	TDD	JN	33	A	( )	01		TDCP20 70 33A	
XA528	TDD	JP	31	B	TD08BP	00	=		
XA528	TDD	JP	31	A	(59)	01		TDRS2A 66 31A	
XA528	TDD	JQ	32	B	TD08BQ	00	=		INPUT DATA REG BIT8
XA528	TDD	JQ	33	B	(61)	01		TR08CA 63 33B	
					TD09BI	00	=		
XA528	TDD	KI	29	A	( )	01		TXR1CS 62 29A	
					TD09BN	00	=		
XA528	TDD	KN	28	A	( )	01		TDCP20 60 28A	
XA528	TDD	KP	30	B	TD09BP	00	=		
XA528	TDD	KP	30	A	(57)	01		TDRS2A 64 30A	
XA528	TDD	KQ	29	B	TD09BQ	00	=		
XA528	TDD	KQ	28	B	(55)	01		TR09CA 53 28B	
					TD10BI	00	=		
XA528	TDD	LI	38	B	( )	01		TXR2CS 77 38B	
					TD10BN	00	=		
XA528	TDD	LN	39	B	( )	01		TDCP20 79 39B	

3-2880-1

227

DATA SYSTEMS DIVISION **LITTON SYSTEMS INC** **LITTON INDUSTRIES**	DRAWING NUMBER	149016-860		**LOGIC**	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	TD10BP
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU			FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	228

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA528	TDD	LP	37A		TD10BP	00	=		
XA528	TDD	LP	37B		.(76)	01		TDRS2A 75 37B	
XA528	TDD	LQ	38A		TD10BQ	00	=		
XA528	TDD	LQ	39A		(78)	01		TR10CA 80 39A	
					TD11BI	00	=		
XA528	TDD	MI	36A		( )	01		TXR3CS 71 36A	
					TD11BN	00	=		
XA528	TDD	MN	34A		( )	01		TDCP20 72 34A	
XA528	TDD	MP	35A		TD11BP	00	=		
XA528	TDD	MP	36B		(69)	01		TDRS2A 73 36B	
XA528	TDD	MQ	35B		TD11BQ	00	=		
XA528	TDD	MQ	34B		(74)	01		TR11CA 65 34B	
					TD12BI	00	=		
XA529	TDD	AI	06A		( )	01		TXR4CS 08 06A	
					TD12BN	00	=		
XA529	TDD	AN	07A		( )	01		TDCP30 10 07A	
XA529	TDD	AP	05B		TD12BP	00	=		
XA529	TDD	AP	05A		(11)	01		TDRS3A 06 05A	
XA529	TDD	AQ	06B		TD12BQ	00	=		
XA529	TDD	AQ	07B		(13)	01		TR12CA 15 07B	
					TD13BI	00	=		
XA529	TDD	BI	03B		( )	01		TXR5CS 05 03B	
					TD13BN	00	=		
XA529	TDD	BN	02B		( )	01		TDCP30 01 02B	

3-2880-1
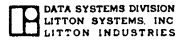
DATA SYSTEMS DIVISION DRAWING NUMBER 149016-860
LITTON SYSTEMS, INC UNIT ASSEMBLY NAME CARD CAGE ASSY, A, IFCU
LITTON INDUSTRIES

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX TD13BP
PAGE 229

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA529	TDD	BP	04B		TD13BP	00	=		
XA529	TDD	BP	04A		(09)	01		TDRS3A	
								04 04A	
XA529	TDD	BQ	03A		TD13BQ	00	=		
XA529	TDD	BQ	02A		(07)	01		TR13CA	
								03 02A	
					TD14BI	00	=		
XA529	TDD	CI	13A		( )	01		TXR6CS	
								24 13A	
					TD14BN	00	=		
XA529	TDD	CN	14A		( )	01		TDCP30	
								26 14A	
XA529	TDD	CP	11B		TD14BP	00	=		
XA529	TDD	CP	12A		(23)	01		TDRS3A	
								22 12A	
XA529	TDD	CQ	12B		TD14BQ	00	=		
XA529	TDD	CQ	13B		(25)	01		TR14CA	
								27 13B	
					TD15BI	00	=		
XA529	TDD	DI	10A		( )	01		TXR7CS	
								18 10A	
					TD15BN	00	=		
XA529	TDD	DN	09A		( )	01		TDCP30	
								14 09A	
XA529	TDD	DP	10B		TD15BP	00	=		
XA529	TDD	DP	11A		(21)	01		TDRS3A	
								20 11A	
XA529	TDD	DQ	09B		TD15BQ	00	=		INPUT DATA REG BIT15
XA529	TDD	DQ	08B		(19)	01		TR15CA	
								17 08B	
					TD16BI	00	=		
XA529	TDD	EI	19A		( )	01		TXR0CS	
								40 19A	
					TD16BN	00	=		
XA529	TDD	EN	20A		( )	01		TDCP40	
								42 20A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS. INC
LITTON INDUSTRIES

DRAWING NUMBER **149016-860**
UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**

LOGIC

UNIT ASSEMBLY NO. **149016**
FILE IDENT **T39CIFC6**

REV. **E**
DATE **09-03-82**

INDEX **TD16BP**
PAGE **230**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA529	TDD	EP	17B		TD16BP	00	=		
XA529	TDD	EP	18A		(35)	01		TDRS4A 38 18A	
XA529	TDD	EQ	18B		TD16BQ	00	=		INPUT DATA REG BIT16
XA529	TDD	EQ	19B		(37)	01		TR16CA 39 19B	
	TDD	FI	16A		TD17BI	00	=		
XA529	TDD	FI	16A		( )	01		TXR1CS 34 16A	
					TD17BN	00	=		
XA529	TDD	FN	15A		( )	01		TDCP40 30 15A	
XA529	TDD	FP	16B		TD17BP	00	=		
XA529	TDD	FP	17A		(33)	01		TDRS4A 36 17A	
XA529	TDD	FQ	15B		TD17BQ	00	=		
XA529	TDD	FQ	14B		(31)	01		TR17CA 29 14B	
	TDD	GI	25A		TD18BI	00	=		
XA529	TDD	GI	25A		( )	01		TXR2CS 54 25A	
					TD18BN	00	=		
XA529	TDD	GN	26A		( )	01		TDCP40 56 26A	
XA529	TDD	GP	25B		TD18BP	00	=		
XA529	TDD	GP	24A		(47)	01		TDRS4A 52 24A	
XA529	TDD	GQ	26B		TD18BQ	00	=		
XA529	TDD	GQ	27B		(49)	01		TR18CA 51 27B	
	TDD	HI	22A		TD19BI	00	=		
XA529	TDD	HI	22A		( )	01		TXR3CS 48 22A	
					TD19BN	00	=		
XA529	TDD	HN	21A		( )	01		TDCP40 46 21A	

3-2880-1

230

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER **149016-860** UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**		**LOGIC**	UNIT ASSEMBLY NO. **149016** FILE IDENT **T39CIFC6**	REV. **E** DATE **09-03-82**	INDEX **TD19BP** PAGE **231**		

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA529	TDD	HP	24	B	TD19BP	00	=		
XA529	TDD	HP	23	A	(45)	01		TDRS4A 50 23A	
XA529	TDD	HQ	23	B	TD19BQ	00	=		
XA529	TDD	HQ	22	B	(43)	01		TR19CA 41 22B	
					TD20BI	00	=		
XA529	TDD	JI	32	A	( )	01		TXR4CS 68 32A	
					TD20BN	00	=		
XA529	TDD	JN	33	A	( )	01		TDCP50 70 33A	
XA529	TDD	JP	31	B	TD20BP	00	=		
XA529	TDD	JP	31	A	(59)	01		TDRS5A 66 31A	
XA529	TDD	JQ	32	B	TD20BQ	00	=		
XA529	TDD	JQ	33	B	(61)	01		TR20CA 63 33B	
					TD21BI	00	=		
XA529	TDD	KI	29	A	( )	01		TXR5CS 62 29A	
					TD21BN	00	=		
XA529	TDD	KN	28	A	( )	01		TDCP50 60 28A	
XA529	TDD	KP	30	B	TD21BP	00	=		
XA529	TDD	KP	30	A	(57)	01		TDRS5A 64 30A	
XA529	TDD	KQ	29	B	TD21BQ	00	=		
XA529	TDD	KQ	28	B	(55)	01		TR21CA 53 28B	
					TD22BI	00	=		
XA529	TDD	LI	38	B	( )	01		TXR6CS 77 38B	
					TD22BN	00	=		
XA529	TDD	LN	39	B	( )	01		TDCP50 79 39B	

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS INC / LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
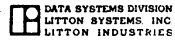FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX TD22BP
PAGE 232

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA529	TDD	LP	37A		TD22BP	00	=		
XA529	TDD	LP	37B		(76)	01		TDRS5A 75 37B	
XA529	TDD	LQ	38A		TD22BQ	00	=		
XA529	TDD	LQ	39A		(78)	01		TR22CA 80 39A	
					TD23BI	00	=		
XA529	TDD	MI	36A		( )	01		TXR7CS 71 36A	
					TD23BN	00	=		
XA529	TDD	MN	34A		( )	01		TDCP50 72 34A	
XA529	TDD	MP	35A		TD23BP	00	=		
XA529	TDD	MP	36B		(69)	01		TDRS5A 73 36B	
XA529	TDD	MQ	35B		TD23BC	00	=		INPUT DATA REG BIT23
XA529	TDD	MQ	34B		(74)	01		TR23CA 65 34B	
					TD24BI	00	=		
XA530	TDD	AI	06A		( )	01		TXR0CS 08 06A	
					TD24BN	00	=		
XA530	TDD	AN	07A		( )	01		TDCP60 10 07A	
XA530	TDD	AP	05B		TD24BP	00	=		
XA530	TDD	AP	05A		(11)	01		TDRS6A 06 05A	
XA530	TDD	AQ	06B		TD24BQ	00	=		INPUT DATA REG BIT24
XA530	TDD	AQ	07B		(13)	01		TR24CA 15 07B	
					TD25BI	00	=		
XA530	TDD	BI	03B		( )	01		TXR1CS 05 03B	
					TD25BN	00	=		
XA530	TDD	BN	02B		( )	01		TDCP60 01 02B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES | DRAWING NUMBER **149016-860** | UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU** | LOGIC | UNIT ASSEMBLY NO. **149016** | FILE IDENT **T39CIFC6** | REV. **E** | DATE **09-03-82** | INDEX **TD25BP** | PAGE **233**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA530	TDD	BP	04B		TD25BP	00	=		READ/NO INTERRUPT COMMAND F/F
XA530	TDD	BP	04A		(09)	01		TDRS6A 04 04A	
XA530	TDD	BQ	03A		TD25BQ	00	=		
XA530	TDD	BQ	02A		(07)	01		TR25CA 03 02A	
		CI			TD26BI	00	=		
XA530	TDD	CI	13A		( )	01		TXR2CS 24 13A	
		CN			TD26BN	00	=		
XA530	TDD	CN	14A		( )	01		TDCP60 26 14A	
XA530	TDD	CP	11B		TD26BP	00	=		
XA530	TDD	CP	12A		(23)	01		TDRS6A 22 12A	
XA530	TDD	CQ	12B		TD26BQ	00	=		
XA530	TDD	CQ	13B		(25)	01		TR26CA 27 13B	
		DI			TD27BI	00	=		
XA530	TDD	DI	10A		( )	01		TXR3CS 18 10A	
		DN			TD27BN	00	=		
XA530	TDD	DN	09A		( )	01		TDCP60 14 09A	
XA530	TDD	DP	10B		TD27BP	00	=		
XA530	TDD	DP	11A		(21)	01		TDRS6A 20 11A	
XA530	TDD	DQ	09B		TD27BQ	00	=		
XA530	TDD	DQ	08B		(19)	01		TR27CA 17 08B	
		EI			TD28BI	00	=		
XA530	TDD	EI	19A		( )	01		TXR4CS 40 19A	
		EN			TD28BN	00	=		
XA530	TDD	EN	20A		( )	01		TDCP70 42 20A	

3-2880-1

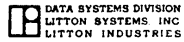| | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | DRAWING NUMBER 149016-860 | | UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX TD28BP PAGE 234 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS (AND/OR)	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA530	TDD	EP	17B	TD28BP	00	=		
XA530	TCD	EP	18A	(35)	01		TDRS7A 38 18A	
XA530	TDD	EQ	18B	TD28BQ	00	=		
XA530	TDD	EQ	19B	(37)	01		TR28CA 39 19B	
				TD29BI	00	=		
XA530	TDD	FI	16A	( )	01		TXR5CS 34 16A	
				TD29BN	00	=		
XA530	TDD	FN	15A	( )	01		TDCP70 30 15A	
XA530	TDD	FP	16B	TD29BP	00	=		
XA530	TDD	FP	17A	(33)	01		TDRS7A 36 17A	
XA530	TDD	FQ	15B	TD29BQ	00	=		
XA530	TDD	FQ	14B	(31)	01		TR29CA 29 14B	
				TD30BI	00	=		
XA530	TDD	GI	25A	( )	01		TXR6CS 54 25A	
				TD30BN	00	=		
XA530	TDD	GN	26A	( )	01		TDCP70 56 26A	
XA530	TDD	GP	25B	TD30BP	00	=		
XA530	TDD	GP	24A	(47)	01		TDRS7A 52 24A	
XA530	TDD	GQ	26B	TD30BQ	00	=		
XA530	TDD	GQ	27B	(49)	01		TR30CA 51 27B	
				TD31BI	00	=		
XA530	TDD	HI	22A	( )	01		TXR7CS 48 22A	
				TD31BN	00	=		
XA530	TDD	HN	21A	( )	01		TDCP70 46 21A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS. INC
LITTON INDUSTRIES

DRAWING NUMBER	149016-860	
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU	

LOGIC

UNIT ASSEMBLY NO.	149016	REV. E	INDEX	TD31BP
FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	235

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA530	TDD	HP	24B		TD31BP	00	=		
XA530	TDD	HP		23A	(45)	01		TDRS7A 50 23A	
XA530	TDD	HQ	23B		TD31BQ	00	=		INPUT DATA REG BIT31
XA530	TDD	HQ		22B	(43)	01		TR31CA 41 22B	
XA527	TS8	A1	05B		TEBZRA	00	=		END OF BLOCK COUNTER IS ZERO
XA527	TS8	A1		02B	(11)	01		TEB0BP TEB1BP TEB2BP TEB3BP TEB4BP TEB5BP SPI019 SPI022 01 02B 04 04A 05 03B 06 05A 07 03A 08 06A 10 07A 13 06B	
XA428	TQ2	E1	31A		TEBZRO	00	=		
XA428	TQ2	E1		32A	(66)	01		TEBZRA SPI010 68 32A 70 33A	
					TEB0BI	00	=		
XA436	TDD	GI		25A	( )	01		TEB09ER 54 25A	
					TEB0BN	00	=		
XA436	TDD	GN		26A	( )	01		TEB1BQ 56 26A	
XA436	TDD	GP	25B		TEB0BP	00	=		
XA436	TDD	GP		24A	(47)	01		TEB0RA 52 24A	
XA436	TDD	GQ	26B		TEB0BQ	00	=		EOB COUNTER BIT 0
XA436	TDD	GQ		27B	(49)	01		TEB0SA 51 27B	
XA527	TS8	B1	11B		TEB0DA	00	=		
XA527	TS8	B1		09A	(23)	01		TXDEVS TXXB20 TXRAF7T TXRAF3T TXRAF5T SPI022 TXXA0Q TXXA3Q 14 09A 18 10A 19 09B 20 11A 22 12A 24 13A 25 12B 26 14A	
XA428	TQ2	C1	18A		TEB0RA	00	=		
XA428	TQ2	C1		19A	(38)	01		TEB0RO SPI007 40 19A 42 20A	
XA431	TT3	C1	17A		TEB0RC	00	=		EOB COUNTER BIT 0 RESET
XA431	TT3	C1		18A	(36)	01		TEB0DA SPI013 TXRS0B 38 18A 40 19A 42 20A	
XA431	TT3	D2	23B		TEB0SA	00	=		EOB COUNTER BIT 0 SET
XA431	TT3	D2		22B	(43)	01		TTAS10 TXR0CS TXDV1B 41 22B 46 21A 48 22A	

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS INC / LITTON INDUSTRIES

| DRAWING NUMBER | 149016-860 |
| UNIT ASSEMBLY NAME | CARD CAGE ASSY,A,IFCU |

LOGIC

| UNIT ASSEMBLY NO. | 149016 | REV. E | INDEX | TEB09ER |
| FILE IDENT | T39CIFC6 | DATE 09-03-82 | PAGE | 236 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA540	EOR	F4	36A		TEB09ER	00	=		
XA540	EOR	F4	35A		(74)	01		TEB0BQ TXDEVR 72 35A 70 34A	
					TEB1BI	00	=		
XA435	TDD	HI	22A		( )	01		TEB19ER 48 22A	
					TEB1BN	00	=		
XA435	TDD	HN	21A		( )	01		TEB2BQ 46 21A	
XA435	TDD	HP	24B		TEB1BP	00	=		
XA435	TDD	HP	23A		(45)	01		TEB1RA 50 23A	
XA435	TDD	HQ	23B		TEB1BQ	00	=		
XA435	TDD	HQ	22B		(43)	01		TEB1SA 41 22B	
XA428	TQ2	C2	15A		TEB1RA	00	=		
XA428	TQ2	C2	16A		(30)	01		TEB1RO SPIO10 34 16A 36 17A	
XA431	TT3	C2	15B		TEB1RO	00	=		
XA431	TT3	C2	14B		(31)	01		TEB0DA SPIO13 TXRSOB 29 14B 30 15A 34 16A	
XA431	TT3	E2	29B		TEB1SA	00	=		
XA431	TT3	E2	28B		(55)	01		TTAS10 TXR1CS TXDV1B 53 28B 60 28A 62 29A	
XA540	EOR	A2	07B		TEB19ER	00	=		
XA540	EOR	A2	06B		(11)	01		TEB1BQ TXDEVR 09 06B 07 05B	
					TEB2BI	00	=		
XA434	TDD	JI	32A		( )	01		TEB29ER 68 32A	
					TEB2BN	00	=		
XA434	TDD	JN	33A		( )	01		TEB3BQ 70 33A	
XA434	TDD	JP	31B		TEB2BP	00	=		
XA434	TDD	JP	31A		(59)	01		TEB2RA 66 31A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU	LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX TEB2BQ PAGE 237

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA434	TDD	JQ	32B		TEB2BQ	00	=		
XA434	TDD	JQ	33B		(61)	01		TEB2SA 63 33B	
XA428	TQ2	C3	16B		TEB2RA	00	=		
XA428	TQ2	C3	14B		(33)	01		TEB2RO SPI010 29 14B 31 15B	
XA431	TT3	C3	19B		TEB2RO	00	=		
XA431	TT3	C3	16B		(39)	01		TEBODA SPI013 TXRSOB 33 16B 35 17B 37 18B	
XA431	TT3	E3	33B		TEB2SA	00	=		
XA431	TT3	E3	30B		(63)	01		TTAS10 TXR2CS TXDV1B 57 30B 59 31B 61 32B	
XA540	EOR	A3	07A		TEB29ER	00	=		
XA540	EOR	A3	06A		(13)	01		TEB2BQ TXDEVR 14 06A 10 05A	
					TEB3BI	00	=		
XA436	TDD	HI	22A		( )	01		TEB39ER 48 22A	
					TEB3BN	00	=		
XA436	TDD	HN	21A		( )	01		TEB4BQ 46 21A	
XA436	TDD	HP	24B		TEB3BP	00	=		
XA436	TDD	HP	23A		(45)	01		TEB3RA 50 23A	
XA436	TDD	HQ	23B		TEB3BQ	00	=		
XA436	TDD	HQ	22B		(43)	01		TEB3SA 41 22B	
XA428	TQ2	C4	19B		TEB3RA	00	=		
XA428	TQ2	C4	17B		(39)	01		TEB3RO SPI010 35 17B 37 18B	
XA431	TT3	D1	23A		TEB3RO	00	=		
XA431	TT3	D1	24A		(50)	01		TEBODA SPI013 TXRSOB 52 24A 54 25A 56 26A	
XA431	TT3	F1	36B		TEB3SA	00	=		
XA431	TT3	F1	37B		(73)	01		TTAS10 TXR3CS TXDV1B 75 37B 77 38B 79 39B	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS. INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
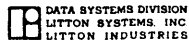UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX TEB39ER
PAGE 238

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
KA540	EOR	A4		04A	TEB39ER	00	=		
KA540	EOR	A4		03A	(08)	01		TEB3BQ TXDEVR 06 03A 04 02A	
					TEB4BI	00	=		
KA435	TDD	J1		32A	( )	01		TEB49ER 68 32A	
					TEB4BN	00	=		
KA435	TDD	JN		33A	( )	01		TEB5BQ 70 33A	
KA435	TDD	JP		31B	TEB4BP	00	=		
KA435	TDD	JP		31A	(59)	01		TEB4RA 66 31A	
KA435	TDD	JQ		32B	TEB4BQ	00	=		
KA435	TDD	JQ		33B	(61)	01		TEB4SA 63 33B	
KA439	TQ2	E2		28A	TEB4RA	00	=		
KA439	TQ2	E2		29A	(60)	01		TEB4RO SPIO11 62 29A 64 30A	
KA426	TQ2	F3		35A	TEB4RO	00	=		
KA426	TQ2	F3		34B	(69)	01		TEB5RA TXRS2B 65 34B 74 35B	
KA432	TQ2	D3		24B	TEB4SA	00	=		
KA432	TQ2	D3		22B	(45)	01		TEB4SO TXDV1B 41 22B 43 23B	
KA428	TQ2	E3		30B	TEB4SO	00	=		
KA428	TQ2	E3		28B	(57)	01		TXR2CR TXRAF5T 53 28B 55 29B	
KA540	EOR	A1		04B	TEB49ER	00	=		
KA540	EOR	A1		03B	(05)	01		TEB4BQ TXDEVR 03 03B 01 02B	
					TEB5BI	00	=		
KA434	TDD	K1		29A	( )	01		TEB59O 62 29A	
					TEB5BN	00	=		
KA434	TDD	KN		28A	( )	01		TEB5KA 60 28A	

3-2880-1

| | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | DRAWING NUMBER UNIT ASSEMBLY NAME | 149016-860 CARD CAGE ASSY,A,IFCU | | LOGIC | | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX TEB5BP PAGE 239 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND / OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA434	TDD	KP	30B	TEB5BP	00	=		
XA434	TDD	KP	30A	(57)	01		TEB4RA 64 30A	
XA434	TDD	KQ	29B	TEB5BQ	00	=		EOB COUNTER BIT 5
XA434	TDD	KQ	28B	(55)	01		TEB5SA 53 28B	
XA409	TT3	A3	07B	TEB5KA	00	=		EOB COUNTER CLOCK
XA409	TT3	A3	04B	(15)	01		TXEB1Q TEBZRA TXCP30 09 04B 11 05B 13 06B	
XA430	TT3	B3	13B	TEB5RA	00	=		
XA430	TT3	B3	10B	(27)	01		TXDEVS TXXB1P SPIO14 21 10B 23 11B 25 12B	
XA426	TQ2	F2	34A	TEB5SA	00	=		
XA426	TQ2	F2	36A	(72)	01		TEB5SO TXDV1B 71 36A 73 36B	
XA428	TQ2	E4	33B	TEB5SO	00	=		
XA428	TQ2	E4	31B	(63)	01		TXR3CR TXRAF5T 59 31B 61 32B	
XA428	TQ2	D3	24B	TEB59O	00	=		
XA428	TQ2	D3	22B	(45)	01		TEB5BQ SPIO10 41 22B 43 23B	
XA522	TQ2	D3	24B	TEOTCA	00	=		
XA522	TQ2	D3	22B	(45)	01		TEOT1OX SPIO22 41 22B 43 23B	
XA522	TQ2	C1	18A	TEOTOA	00	=		
XA522	TQ2	C1	19A	(38)	01		TEOT1OX TSCL3B 40 19A 42 20A	
XA522	TQ2	B3	10B	TEOTOR	00	=		
XA522	TQ2	B3	08B	(21)	01		TEOTOS TEOT1A 17 08B 19 09B	
XA523	TQ2	B3	10B	TEOTOS	00	=		END OF TAPE (EOT) F/F
XA523	TQ2	B3	08B	(21)	01		TEOTOR TEOTOA 17 08B 19 09B	
XA525	TD4	B2	10B	TEOT1A	00	=		
XA525	TD4	B2	09A	(21)	01		TEOTCA TSTPOR UEOT1R TSCL3B 14 09A 18 10A 19 09B 20 11A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER UNIT ASSEMBLY NAME	149016-860 CARD CAGE ASSY,A,IFCU		LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6		REV. E DATE 09-03-82	INDEX TEOT1DX4 PAGE 240

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG- NATOR	FACTOR	COMMENT
XA545	DCF	B1	10B		TEOT1DX4	00	=		EOT 1 RECEIVER
XA545	DCF	B1	13A		(27)	01		SPI029	
								36 13A	
XA545	DCF	B2	11B		TEOT10X	00	=		
XA545	DCF	B2	12B		(29)	01		SPI028	
								31 12B	
XA515	TD4	B2	10B		TFPE1A	00	=		
XA515	TD4	B2	09A		(21)	01		TWENCO TWDBSA TSNC2S TSCK3B	
								14 09A 18 10A 19 09B 20 11A	
XA519	TQ2	B3	10B		TFPE2A	00	=		
XA519	TQ2	B3	08B		(21)	01		TWENCO TWDBSA	
								17 08B 19 09B	
XA545	DCF	C1	25B		TFPR1DX4	00	=		FILE PROTECT 1 RECEIVER
XA545	DCF	C1	29A		(46)	01		SPI029	
								52 29A	
XA545	DCF	C2	26B		TFPR10X	00	=		
XA545	DCF	C2	27B		(47)	01		SPI028	
								49 27B	
XA406	TQ2	F4	39A		TFSTRA	00	=		
XA406	TQ2	F4	37A		(80)	01		TFSTOS TFST1R	
								76 37A 78 38A	
XA418	TS8	F1	37A		TFSTOA	00	=		FLYING START
XA418	TS8	F1	36A		(76)	01		TSNC2S TBUSYS SPI001 TDSCO0 TSTPOR TSTP1R TSTP2R TSCK3B	
								71 36A 72 34A 73 36B 74 35B 75 37B 77 38B 78 38A 79 39B	
XA409	TT3	D1	23A		TFSTOR	00	=		
XA409	TT3	D1	24A		(50)	01		TFSTOS TFST1A TBUSYS	
								52 24A 54 25A 56 26A	
XA410	TD4	E2	30B		TFSTOS	00	=		FLYING START COUNTER BIT 0
XA410	TD4	E2	29B		(57)	01		TFSTOR TFSTOA TNSGKA SPI016	
								55 29B 60 28A 62 29A 64 30A	
XA408	TQ2	E3	30B		TFST1A	00	=		
XA408	TQ2	E3	28B		(57)	01		TFST2S TSCK3B	
								53 28B 55 29B	
XA408	TQ2	F2	34A		TFST1R	00	=		
XA408	TQ2	F2	36A		(72)	01		TFST1S TFSTOS	
								71 36A 73 36B	

3-2880-1

| DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX TFST1S PAGE 241 |

CONNECTOR	CIRCUIT TYPE	GROUP	AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA407	TQ2	F2	34A		TFST1S	00	=		FLYING START COUNTER BIT 1
XA407	TQ2	F2		36A	(72)	01		TFST1R TFST2A 71 36A 73 36B	
XA409	TT3	D2	23B		TFST2A	00	=		
XA409	TT3	D2		22B	(43)	01		TFST0S TCZR00 TSCK1B 41 22B 46 21A 48 22A	
XA409	TT3	F3	39A		TFST2R	00	=		
XA409	TT3	F3		35A	(80)	01		TFST2S TFST3A TXRS1B 69 35A 76 37A 78 38A	
XA407	TQ2	F3	35A		TFST2S	00	=		FLYING START COUNTER BIT 2
XA407	TQ2	F3		34B	(69)	01		TFST2R TFST4A 65 34B 74 35B	
XA406	TQ2	F2	34A		TFST3A	00	=		
XA406	TQ2	F2		36A	(72)	01		TFST1R TSCK1B 71 36A 73 36B	
XA409	TT3	D3	27B		TFST4A	00	=		
XA409	TT3	D3		24B	(51)	01		TFST1S T033M0 TSCK1B 45 24B 47 25B 49 26B	
XA508	TD4	C2	16B		TFST6A	00	=		
XA508	TD4	C2		15A	(33)	01		THISPQ TWRG2S TSCK3B SPI020 30 15A 31 15B 34 16A 36 17A	
					THISPI	00	=		
XA425	TDD	EI		19A	( )	01		THIS10 40 19A	
					THISPN	00	=		
XA425	TDD	EN		20A	( )	01		TXDV1B 42 20A	
XA425	TDD	EP	17B		THISPP	00	=		
XA425	TDD	EP		18A	(35)	01		TRDCAB 38 18A	
XA425	TDD	EQ	18B		THISPQ	00	=		NEW SPEED F/F
XA425	TDD	EQ		19B	(37)	01		SPI007 39 19B	
XA426	TQ2	D1	24A		THIS10	00	=		
XA426	TQ2	D1		25A	(52)	01		TXR092T TXRAF2T 54 25A 56 26A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO.	149016	REV. E	INDEX	THSPRA
	UNIT ASSEMBLY NAME	CARD CAGE ASSY, A, IFCU				FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	242

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
KA524	TT3	E2	29B		THSPRA	00	=		
KA524	TT3	E2	28B		(55)	01		TO30MO THSPRQ TSCL1B 53 28B 60 28A 62 29A	
					THSPRI	00	=		
KA514	TDD	KI	29A		( )	01		TXGN2A 62 29A	
					THSPRN	00	=		
KA514	TDD	KN	28A		( )	01		THSPRA 60 28A	
KA514	TDD	KP	30B		THSPRP	00	=		
KA514	TDD	KP	30A		(57)	01		TBUSYS 64 30A	
KA514	TDD	KQ	29B		THSPRQ	00	=		
KA514	TDD	KQ	28B		(55)	01		TFST6A 53 28B	
KA505	TQ2	F4	39A		TINT1A	00	=		
KA505	TQ2	F4	37A		(80)	01		TINT10 SPI018 76 37A 78 38A	
KA503	TS8	F1	37A		TINT10	00	=		COMMAND END AND INTERRUPT
KA503	TS8	F1	36A		(76)	01		TSCI1A TRWS2A TNSGDA TNSGMA TNSGAA TRWS4A TNDASA SPI012 71 36A 72 34A 73 36B 74 35B 75 37B 77 38B 78 38A 79 39B	
KA508	TD4	F2	35A		TINT2A	00	=		
KA508	TD4	F2	36A		(69)	01		TINT10 TREDBP TREWDP TTASLP 71 36A 72 34A 73 36B 74 35B	
KA509	TT3	D2	23B		TINT5A	00	=		
KA509	TT3	D2	22B		(43)	01		TINT50 TCSDOQ TRW14A 41 22B 46 21A 48 22A	
KA506	TQ2	B4	13B		TINT50	00	=		BOT OR EOT END AND INTERRUPT
KA506	TQ2	B4	11B		(27)	01		UINT7A TINT9A 23 11B 25 12B	
KA502	TS8	F1	37A		TINT6A	00	=		
KA502	TS8	F1	36A		(76)	01		TINT50 TCSDOQ TRW14A TREDBP TREWDP TTASLP TLAD2R SPI018 71 36A 72 34A 73 36B 74 35B 75 37B 77 38B 78 38A 79 39B	
KA509	TT3	E2	29B		TINT9A	00	=		
KA509	TT3	E2	28B		(55)	01		T80T1S TDIRIR TSCL3B 53 28B 60 28A 62 29A	

3-2880-1

242

DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU	LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX TKA001 PAGE 243

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TKA00I	00	=		
XA513	TDD	GI	25A		(.)		01	SPI020 54 25A	
					TKA00N	00	=		
XA513	TDD	GN	26A		( )		01	TKA02P 56 26A	
XA513	TDD	GP	25B		TKA00P	00	=		
XA513	TDD	GP	24A		(47)		01	TKRS0A 52 24A	
XA513	TDD	GQ	26B		TKA00Q	00	=		BYTE TIMING COUNT CONTROL F/F
XA513	TDD	GQ	27B		(49)		01	TXRS1B 51 27B	
					TKA01I	00	=		
XA514	TDD	GI	25A		( )		01	TKA02P 54 25A	
					TKA01N	00	=		
XA514	TDD	GN	26A		( )		01	TSCL1B 56 26A	
XA514	TDD	GP	25B		TKA01P	00	=		
XA514	TDD	GP	24A		(47)		01	TKA00P 52 24A	
XA514	TDD	GQ	26B		TKA01Q	00	=		BYTE TIMING COUNTER BIT 1
XA514	TDD	GQ	27B		(49)		01	SPI020 51 27B	
XA412	TQ2	F1	37B		TKA010	00	=		
XA412	TQ2	F1	38B		(75)		01	TKA01P SPI004 77 38B 79 39B	
					TKA02I	00	=		
XA526	TDD	JI	32A		( )		01	TKA01Q 68 32A	
					TKA02N	00	=		
XA526	TDD	JN	33A		( )		01	TSCL1B 70 33A	
XA526	TDD	JP	31B		TKA02P	00	=		
XA526	TDD	JP	31A		(59)		01	TKA00P 66 31A	

3-2680-1

| | DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES | DRAWING NUMBER UNIT ASSEMBLY NAME | 149016-860 CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX TKA02Q PAGE 244 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA526	TDD	JQ	32B		TKA02Q	00	=		BUFFER TIMING COUNTER BIT 2
XA526	TDD	JQ	33B		(61)	01		SPIO19 63 33B	
XA505	TQ2	E3	30B		TKBCP0	00	=		
XA505	TQ2	E3	28B		(57)	01		TKA02Q TNSG1R 53 28B 55 29B	
XA505	TQ2	E2	28A		TKBRSA	00	=		
XA505	TQ2	E2	29A		(60)	01		TKBRS0 SPIO18 62 29A 64 30A	
XA508	TD4	E2	30B		TKBRS0	00	=		
XA508	TD4	E2	29B		(57)	01		TRENOA TNSGOA TNSG5A TXRS2B 55 29B 60 28A 62 29A 64 30A	
					TKB00I	00	=		
XA513	TDD	HI	22A		( )	01		TKB01P 48 22A	
					TKB00N	00	=		
XA513	TDD	HN	21A		( )	01		TKBCP0 46 21A	
XA513	TDD	HP	24B		TKB00P	00	=		
XA513	TDD	HP	23A		(45)	01		TKBRSA 50 23A	
XA513	TDD	HQ	23B		TKB00Q	00	=		BYTE COUNTER BIT 0
XA513	TDD	HQ	22B		(43)	01		SPIO19 41 22B	
					TKB01I	00	=		
XA514	TDD	HI	22A		( )	01		TKB00Q 48 22A	
					TKB01N	00	=		
XA514	TDD	HN	21A		( )	01		TKBCP0 46 21A	
XA514	TDD	HP	24B		TKB01P	00	=		
XA514	TDD	HP	23A		(45)	01		TKBRSA 50 23A	
XA514	TDD	HQ	23B		TKB01Q	00	=		BYTE COUNTER BIT 1
XA514	TDD	HQ	22B		(43)	01		SPIO19 41 22B	

3-2880-1

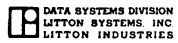| | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX TKC00I PAGE 245 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					TKC00I	00	=		
XA514	TDD	JI	32A		( )	01		TKC02P 68 32A	
					TKC00N	00	=		
XA514	TDD	JN	33A		( )	01		TKBCP0 70 33A	
XA514	TDD	JP	31B		TKC00P	00	=		
XA514	TDD	JP	31A		(59)	01		TKBRSA 66 31A	
XA514	TDD	JQ	32B		TKC00Q	00	=		FIRST BYTE COUNTERBIT 0
XA514	TDD	JQ	33B		(61)	01		SPI020 63 33B	
					TKC01I	00	=		
XA513	TDD	JI	32A		( )	01		TKC00Q 68 32A	
					TKC01N	00	=		
XA513	TDD	JN	33A		( )	01		TKBCPQ 70 33A	
XA513	TDD	JP	31B		TKC01P	00	=		
XA513	TDD	JP	31A		(59)	01		TKBRSA 66 31A	
XA513	TDD	JQ	32B		TKC01Q	00	=		FIRST BYTE COUNTERBIT 1
XA513	TDD	JQ	33B		(61)	01		SPI020 63 33B	
					TKC02I	00	=		
XA513	TDD	KI	29A		( )	01		TKC290 62 29A	
					TKC02N	00	=		
XA513	TDD	KN	28A		( )	01		TKBCP0 .60 28A	
XA513	TDD	KP	30B		TKC02P	00	=		
XA513	TDD	KP	30A		(57)	01		TKBRSA 64 30A	
XA513	TDD	KQ	29B		TKC02Q	00	=		FIRST BYTE COUNTERBIT 2
XA513	TDD	KQ	28B		(55)	01		SPI019 53 28B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY, A, IFCU	LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82 INDEX TKC29A PAGE 246

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA412	TQ2	F2	34A	TKC29A	00	=		
XA412	TQ2	F2	36A	(72)	01		TKC01P TKC02Q 71 36A 73 36B	
XA406	TQ2	D3	24B	TKC290	00	=		
XA406	TQ2	D3	22B	(45)	01		TKC01P TKC29A 41 22B 43 23B	
XA505	TQ2	D4	27B	TKRS0A	00	=		START BYTE TIMING COUNTER
XA505	TQ2	D4	25B	(51)	01		TKRS00 SPI018 47 25B 49 26B	
XA506	TQ2	D1	24A	TKRS00	00	=		
XA506	TQ2	D1	25A	(52)	01		TTOP8P TKRS1A 54 25A 56 26A	
XA505	TQ2	D2	21A	TKRS1A	00	=		
XA505	TQ2	D2	22A	(46)	01		TKRS10 SPI018 48 22A 50 23A	
XA503	TS8	E1	31B	TKRS10	00	=		
XA503	TS8	E1	29B	(59)	01		TT00BP TT01BP TT02BP TT03BP TT04BP TT05BP TT06BP TT07BP 55 29B 60 28B 61 32B 62 29A 64 30A 66 31A 68 32A 70 33A	
XA407	TQ2	F4	39A	TLADRA	00	=		
XA407	TQ2	F4	37A	(80)	01		TLAD0S TLAD1R 76 37A 78 38A	
XA509	TT3	F1	36B	TLAD0A	00	=		
XA509	TT3	F1	37B	(73)	01		TLAD0S TCZR00 TSCK1B 75 37B 77 38B 79 39B	
XA509	TT3	F2	35B	TLAD0R	00	=		
XA509	TT3	F2	34B	(74)	01		TLAD0S TLAD1A TXRS2B 65 34B 71 36A 72 34A	
XA510	TT3	F2	35B	TLAD0S	00	=		LOOK AHEAD DELAY COUNT BIT 0
XA510	TT3	F2	34B	(74)	01		TLADOR TINT1A TINT5A 65 34B 71 36A 72 34A	
XA506	TQ2	C4	19B	TLAD1A	00	=		
XA506	TQ2	C4	17B	(39)	01		TLAD2S TSCL3B 35 17B 37 18B	
XA506	TQ2	C2	15A	TLAD1R	00	=		
XA506	TQ2	C2	16A	(30)	01		TLAD1S TLAD0S 34 16A 36 17A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS. INC. LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU				LOGIC		UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6		REV. E DATE 09-03-82	INDEX TLAD1S PAGE 247	

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA505	TQ2	C3	16B		TLAD1S	00	=		LOOK AHEAD DELAY COUNT BIT 1
XA505	TQ2	C3	14B		(33)	01		TLAD1R TLADOA 29 14B 31 15B	
XA509	TT3	D1	23A		TLAD2A	00	=		
XA509	TT3	D1	24A		(50)	01		TLAD1S T003MO TSCK1B 52 24A 54 25A 56 26A	
XA506	TQ2	A1	05A		TLAD2R	00	=		
XA506	TQ2	A1	06A		(06)	01		TLAD2S TSNC1A 08 06A 10 07A	
XA518	TT3	E3	33B		TLAD2S	00	=		LOOK AHEAD DELAY COUNT BIT 2
XA518	TT3	E3	30B		(63)	01		TLAD2R TLAD2A TXRS1B 57 30B 59 31B 61 32B	
XA505	TQ2	C4	19B		TLAD3A	00	=		
XA505	TQ2	C4	17B		(39)	01		TLAD1R TSCK1B 35 17B 37 18B	
XA509	TT3	C1	17A		TLAD3R	00	=		
XA509	TT3	C1	18A		(36)	01		TLAD3S TLAD3A TXRS1B 38 18A 40 19A 42 20A	
XA506	TQ2	A2	02B		TLAD3S	00	=		LOOK AHEAD DELAY COUNT BIT 3
XA506	TQ2	A2	04A		(01)	01		TLAD3R TLAD2A 04 04A 05 03B	
XA515	TD4	A1	05B		TLCCOA	00	=		
XA515	TD4	A1	05A		(11)	01		TWRITQ TXEB1Q TEBZRO TSCK3B 06 05A 08 06A 10 07A 13 06B	
XA518	TT3	C1	17A		TLCCOR	00	=		
XA518	TT3	C1	18A		(36)	01		TLCCOS TLCC1A TXRS2B 38 18A 40 19A 42 20A	
XA517	TQ2	D3	24B		TLCCOS	00	=		WRITE LRC CHAR COUNT BIT 0
XA517	TQ2	D3	22B		(45)	01		TLCCOR TLCCOA 41 22B 43 23B	
XA512	TQ2	B4	13B		TLCC1A	00	=		
XA512	TQ2	B4	11B		(27)	01		TLCC3S TSCK3B 23 11B 25 12B	
XA524	TT3	E3	33B		TLCC1R	00	=		
XA524	TT3	E3	30B		(63)	01		TLCC1S TLCC1A TXRS2B 57 30B 59 31B 61 32B	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
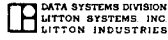UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX TLCC1S
PAGE 248

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
KA525	TD4	E2	30B		TLCC1S	00	=		WRITE LRC CHAR COUNT BIT 1
KA525	TD4	E2	29B		(57)	01		TLCC1R TLCC2A SPIO22 SPIO21	
								55 29B 60 28A 62 29A 64 30A	
KA515	TD4	F2	35A		TLCC2A	00	=		
KA515	TD4	F2	36A		(69)	01		TLCCOS TWRG1R TWRIOR TSCL3B	
								71 36A 72 34A 73 36B 74 35B	
KA511	TQ2	E4	33B		TLCC2R	00	=		
KA511	TQ2	E4	31B		(63)	01		TLCC2S TLCC1S	
								59 31B 61 32B	
KA512	TQ2	E3	30B		TLCC2S	00	=		WRITE LRC CHAR COUNT BIT 2
KA512	TQ2	E3	28B		(57)	01		TLCC2R TLCC4A	
								53 28B 55 29B	
KA512	TQ2	E4	33B		TLCC3A	00	=		
KA512	TQ2	E4	31B		(63)	01		TLCC2R TSCK1B	
								59 31B 61 32B	
KA510	TT3	E1	30A		TLCC3R	00	=		
KA510	TT3	E1	31A		(64)	01		TLCC3S TLCC3A TXRS2B	
								66 31A 68 32A 70 33A	
KA511	TQ2	E3	30B		TLCC3S	00	=		WRITE LRC CHAR COUNT BIT 3
KA511	TQ2	E3	28B		(57)	01		TLCC3R TLCC6A	
								53 28B 55 29B	
KA518	TT3	D2	23B		TLCC4A	00	=		
KA518	TT3	D2	22B		(43)	01		TLCC1S TCZR70 TSCL1B	
								41 22B 46 21A 48 22A	
KA518	TT3	D3	27B		TLCC6A	00	=		
KA518	TT3	D3	24B		(51)	01		TLCC2S T399U0 TSCL1B	
								45 24B 47 25B 49 26B	
KA524	TT3	B1	11A		TLPTBR	00	=		
KA524	TT3	B1	12A		(20)	01		TLPTBS TXXDDP TXRS2B	
								22 12A 24 13A 26 14A	
KA523	TQ2	B1	12A		TLPTBS	00	=		LOOP TEST BUSY F/F
KA523	TQ2	B1	13A		(22)	01		TLPTBR TXOD3A	
								24 13A 26 14A	
					TLPTOI	00	=		
KA413	TDD	M1	36A		( )	01		TXGN4A	
								71 36A	

3-2880-1

| | DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX TLPTON PAGE 249 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TLPTON	00	=		
XA413	TDD	MN	34A		( )	01		TLPT1A 72 34A	
XA413	TDD	MP	35A		TLPTOP	00	=		
XA413	TDD	MP	36B		(69)	01		TXRS2B 73 36B	
XA413	TDD	MQ	35B		TLPTOQ	00	=		LOOP TEST COUNT BIT 0
XA413	TDD	MQ	34B		(74)	01		TX0D3A 65 34B	
XA522	TQ2	D2	21A		TLPT1A	00	=		
XA522	TQ2	D2	22A		(46)	01		TLPT1Q TXCP30 48 22A 50 23A	
					TLPT1I	00	=		
XA414	TDD	MI	36A		( )	01		TLPTOQ 71 36A	
					TLPT1N	00	=		
XA414	TDD	MN	34A		( )	01		TXCP10 72 34A	
XA414	TDD	MP	35A		TLPT1P	00	=		
XA414	TDD	MP	36B		(69)	01		TXRS2B 73 36B	
XA414	TDD	MQ	35B		TLPT1Q	00	=		LOOP TEST COUNT BIT 1
XA414	TDD	MQ	34B		(74)	01		SPI005 65 34B	
					TLPT2I	00	=		
XA415	TDD	MI	36A		( )	01		TXGN4A 71 36A	
					TLPT2N	00	=		
XA415	TDD	MN	34A		( )	01		TLPT5A 72 34A	
XA415	TDD	MP	35A		TLPT2P	00	=		
XA415	TDD	MP	36B		(69)	01		TXRS2B 73 36B	
XA415	TDD	MQ	35B		TLPT2Q	00	=		LOOP TEST COUNT BIT 2
XA415	TDD	MQ	34B		(74)	01		TLPT1A 65 34B	

1-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

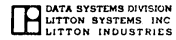UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX TLPT3I
PAGE 250

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TLPT3I	00	=		
XA416	TDD	MI	36A		( )	01		TLPT2Q 71 36A	
					TLPT3N	00	=		
XA416	TDD	MN	34A		( )	01		TXCP1O 72 34A	
XA416	TDD	MP	35A		TLPT3P	00	=		
XA416	TDD	MP	36B		(69)	01		TXRS2B 73 36B	
XA416	TDD	MQ	35B		TLPT3Q	00	=		LOOP TEST COUNT BIT 3
XA416	TDD	MQ	34B		(74)	01		SPI005 65 34B	
XA524	TT3	A3	07B		TLPT4R	00	=		
XA524	TT3	A3	04B		(15)	01		TLPT4S TXXDDP TXRS2B 09 04B 11 05B 13 06B	
XA523	TQ2	A3	04B		TLPT4S	00	=		LOOP TEST COUNT BIT 4
XA523	TQ2	A3	02A		(09)	01		TLPT4R TLPT5A 03 02A 07 03A	
XA432	TQ2	B4	13B		TLPT5A	00	=		
XA432	TQ2	B4	11B		(27)	01		TLPT3Q TXCP30 23 11B 25 12B	
XA507	TS8	D1	25B		TLRCAA	00	=		
XA507	TS8	D1	23B		(47)	01		TLRC0Q TLRC1Q TLRC2Q TLRC3Q TLRC4Q TLRC5Q TLRC6Q TLRC7Q 43 23B 46 21A 48 22A 49 26B 50 23A 52 24A 54 25A 56 26A	
XA407	TQ2	E3	30B		TLRCAO	00	=		
XA407	TQ2	E3	28B		(57)	01		TLRCAA SPI001 53 28B 55 29B	
XA408	TQ2	E4	33B		TLRCBA	00	=		LRC REG ALL ONE
XA408	TQ2	E4	31B		(63)	01		TLRCPQ TLRCAO 59 31B 61 32B	
XA505	TQ2	C1	18A		TLRCBO	00	=		
XA505	TQ2	C1	19A		(38)	01		TLRCBA SPI018 40 19A 42 20A	
XA518	TT3	D1	23A		TLRCCA	00	=		
XA518	TT3	D1	24A		(50)	01		TLRCCO TSNC1S TSCL1B 52 24A 54 25A 56 26A	
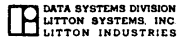
3-2080-1

| | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | DRAWING NUMBER 149016-860 | UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX TLRCCO PAGE 251 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA515	TD4	A2	04B		TLRCCO	00	=		
XA515	TD4	A2		02B	(09)	01		TREADP TSPACP TWENCA TSPAFP / 01 02B 04 04A 05 03B 07 03A	
XA540	EOR	D4	23A		TLRCPER	00	=		
XA540	EOR	D4	22A		(50)	01		TLRCPQ SPI026 / 48 22A 46 21A	
					TLRCPI	00	=		
XA541	TDD	DI	10A		( )	01		TLRCPER / .. 10A	
					TLRCPN	00	=		
XA541	TDD	DN	09A		( )	01		TTOPBQ / 14 09A	
XA541	TDD	DP	10B		TLRCPP	00	=		
XA541	TDD	DP	11A		(21)	01		SPI028 / 20 11A	
XA541	TDD	DQ	09B		TLRCPQ	00	=		LRC REG BIT P
XA541	TDD	DQ	08B		(19)	01		TLRCSA / 17 08B	
XA512	TQ2	F1	37B		TLRCRA	00	=		
XA512	TQ2	F1	38B		(75)	01		TLCC1S TLCC2R / 77 38B 79 39B	
XA517	TQ2	C1	18A		TLRCSA	00	=		
XA517	TQ2	C1	19A		(38)	01		TLRCSO SPI021 / 40 19A 42 20A	
XA516	TQ2	D2	21A		TLRCSO	00	=		
XA516	TQ2	D2	22A		(46)	01		TLRCCA TXRS1B / 48 22A 50 23A	
XA540	EOR	E1	30B		TLRCOER	00	=		
XA540	EOR	E1	29B		(59)	01		TLRCOQ SPI026 / 55 29B 53 28B	
					TLRCOI	00	=		
XA541	TDD	EI	19A		( )	01		TLRCOER / 40 19A	
					TLRCON	00	=		
XA541	TDD	EN	20A		( )	01		TTOOBQ / 42 20A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES | DRAWING NUMBER 149016-860 | UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX TLRCOP PAGE 252

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA541	TDD	EP	17B		TLRCOP	00	=		
XA541	TDD	EP	18A		(35)	01		SPI026 38 18A	
XA541	TDD	EQ	18B		TLRCOQ	00	=		LRC REG BIT 0
XA541	TDD	EQ	19B		(37)	01		TLRCSA 39 19B	
XA540	EOR	E2	33B		TLRC1ER	00	=		
XA540	EOR	E2	32B		(65)	01		TLRC1Q SPI026 63 32B 61 31B	
					TLRC1I	00	=		
XA541	TDD	FI	16A		( )	01		TLRC1ER 34 16A	
					TLRC1N	00	=		
XA541	TDD	FN	15A		( )	01		TT01BQ 30 15A	
XA541	TDD	FP	16B		TLRC1P	00	=		
XA541	TDD	FP	17A		(33)	01		SPI028 36 17A	
XA541	TDD	FQ	15B		TLRC1Q	00	=		LRC REG BIT 1
XA541	TDD	FQ	14B		(31)	01		TLRCSA 29 14B	
XA540	EOR	E3	33A		TLRC2ER	00	=		
XA540	EOR	E3	32A		(68)	01		TLRC2Q SPI026 66 32A 64 31A	
					TLRC2I	00	=		
XA541	TDD	GI	25A		( )	01		TLRC2ER 54 25A	
					TLRC2N	00	=		
XA541	TDD	GN	26A		( )	01		TT02BQ 56 26A	
XA541	TDD	GP	25B		TLRC2P	00	=		
XA541	TDD	GP	24A		(47)	01		SPI026 52 24A	
XA541	TDD	GQ	26B		TLRC2Q	00	=		LRC REG BIT 2
XA541	TDD	GQ	27B		(49)	01		TLRCSA 51 27B	

3-2880-1

| | | DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX TLRC3ER PAGE 253 |

CONNECTOR	CIRCUIT	PLUG	TEST POINTS AND/OR	EQUATION	P REF	DESIG NATOR	FACTOR	COMMENT
XA540	EOR	E4	30A	TLRC3ER	00	=		
XA540	EOR	E4	29A	(62)	01		TLRC3Q SPI026 60 29A 57 28A	
				TLRC3I	00	=		
XA541	TDD	HI	22A	( )	01		TLRC3ER 48 22A	
				TLRC3N	00	=		
XA541	TDD	HN	21A	( )	01		TT038Q 46 21A	
XA541	TDD	HP	24B	TLRC3P	00	=		
XA541	TDD	HP	23A	(45)	01		SPI028 50 23A	
XA541	TDD	HQ	23B	TLRC3Q	00	=		
XA541	TDD	HQ	22B	(43)	01		TLRCSA 41 22B	LRC REG BIT 3
XA540	EOR	F1	36B	TLRC4ER	00	=		
XA540	EOR	F1	35B	(73)	01		TLRC4Q SPI026 71 35B 69 34B	
				TLRC4I	00	=		
XA541	TDD	JI	32A	( )	01		TLRC4ER 68 32A	
				TLRC4N	00	=		
XA541	TDD	JN	33A	( )	01		TT048Q 70 33A	
XA541	TDD	JP	31B	TLRC4P	00	=		
XA541	TDD	JP	31A	(59)	01		SPI026 66 31A	
XA541	TDD	JQ	32B	TLRC4Q	00	=		
XA541	TDD	JQ	33B	(61)	01		TLRCSA 63 33B	LRC REG BIT 4
XA540	EOR	F2	39B	TLRC5ER	00	=		
XA540	EOR	F2	38B	(79)	01		TLRC5Q SPI026 77 38B 75 37B	
				TLRC5I	00	=		
XA541	TDD	KI	29A	( )	01		TLRC5ER 62 29A	

3 2880 1
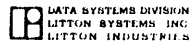
H78-16 663

CONNECTOR			TEST POINTS AND/OR	EQUATION			FACTOR	COMMENT
KA541	TDD	KN	28A	TLRC5N ( )	00 01	=	TT05BQ 60 28A	
KA541	TDD	KP	30B	TLRC5P	00	=		
KA541	TDD	KP	30A	(57)	01		SPI028 64 30A	
KA541	TDD	KQ	29B	TLRC5Q	00	=		LRC REG BIT 5
KA541	TDD	KQ	28B	(55)	01		TLRCSA 53 28B	
KA540	EOR	F3	39A	TLRC6ER	00	=		
KA540	EOR	F3	38A	(80)	01		TLRC6Q SPI026 78 38A 76 37A	
KA541	TDD	LI	38B	TLRC6I ( )	00 01	=	TLRC6ER 77 38B	
KA541	TDD	LN	39B	TLRC6N ( )	00 01	=	TT06BQ 79 39B	
KA541	TDD	LP	37A	TLRC6P	00	=		
KA541	TDD	LP	37B	(76)	01		SPI026 75 37B	
KA541	TDD	LQ	38A	TLRC6Q	00	=		LRC REG BIT 6
KA541	TDD	LQ	39A	(78)	01		TLRCSA 80 39A	
KA541	TDD	MI	36A	TLRC7I ( )	00 01	=	TLRC7Q 71 36A	
KA541	TDD	MN	34A	TLRC7N ( )	00 01	=	TT07BQ 72 34A	
KA541	TDD	MP	35A	TLRC7P	00	=		
KA541	TDD	MP	36B	(69)	01		SPI028 73 36B	
KA541	TDD	MQ	35B	TLRC7Q	00	=		LRC REG BIT 7
KA541	TDD	MQ	34B	(74)	01		TLRCSA 65 34B	
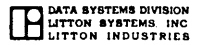
3 2880 1

254

DATA SYSTEMS DIVISION / LITTON SYSTEMS INC / LITTON INDUSTRIES

DRAWING NUMBER	149016-860	LOGIC
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU	

UNIT ASSEMBLY NO. 149016 REV. E INDEX TLRC70
FILE IDENT T39CIFC6 DATE 09-03-82 PAGE 255

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA428	TQ2	D1	24A		TLRC70	00	=		
XA428	TQ2	D1	25A		(52)	01		TLRC7Q SPI010 / 54 25A 56 26A	
XA516	TQ2	E2	28A		TLTEOA	00	=		
XA516	TQ2	E2	29A		(60)	01		TLPT4S TXEA00 / 62 29A 64 30A	
XA515	TD4	E2	30B		TMCPOA	00	=		
XA515	TD4	E2	29B		(57)	01		TS29CP TM03BQ TM04BQ TSCL3B / 55 29B 60 28A 62 29A 64 30A	
XA517	TQ2	E2	28A		TMCP00	00	=		
XA517	TQ2	E2	29A		(60)	01		TMCPOA SPI021 / 62 29A 64 30A	
XA517	TQ2	E1	31A		TMRSOA	00	=		
XA517	TQ2	E1	32A		(66)	01		TMRS00 SPI021 / 68 32A 70 33A	
XA524	TT3	E1	30A		TMRS00	00	=		
XA524	TT3	E1	31A		(64)	01		TRENOA TXOD3A TXRS1B / 66 31A 68 32A 70 33A	
					TMWCBI	00	=		
XA514	TDD	FI	16A		( )	01		TM02BQ / 34 16A	
					TMWCBN	00	=		
XA514	TDD	FN	15A		( )	01		TMCP00 / 30 15A	
XA514	TDD	FP	16B		TMWCBP	00	=		
XA514	TDD	FP	17A		(33)	01		TMRSOA / 36 17A	
XA514	TDD	FQ	15B		TMWCBQ	00	=		BUFFER REG FULL F/F
XA514	TDD	FQ	14B		(31)	01		SPI019 / 29 14B	
XA511	TQ2	A4	07B		TMDCPA	00	=		
XA511	TQ2	A4	05B		(15)	01		TM02BQ TM04BQ / 11 05B 13 06B	
					TM00BI	00	=		
XA513	TDD	EI	19A		( )	01		TXGN1A / 40 19A	

3-2860-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860				LOGIC		UNIT ASSEMBLY NO. 149016	REV. E	INDEX TM00BN
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU						FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 256

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					TM00BN	00	=		
XA513	TDD	EN	20A		( )	01		TMOCPA 42 20A	
XA513	TDD	EP	17B		TM00BP	00	=		
XA513	TDD	EP	18A		(35)	01		TXRS1B 38 18A	
XA513	TDD	EQ	18B		TM00BQ	00	=		BUFFER INPUT CONTROL F/F
XA513	TDD	EQ	19B		(37)	01		TM00SA 39 19B	
XA512	TQ2	A2	02B		TM00SA	00	=		
XA512	TQ2	A2	04A		(01)	01		TM00SO SPI020 04 04A 05 03B	
XA511	TQ2	A2	02B		TM00SO	00	=		
XA511	TQ2	A2	04A		(01)	01		TRMROA TWRQ5A 04 04A 05 03B	
					TM01BI	00	=		
XA513	TDD	FI	16A		( )	01		TXGN1A 34 16A	
					TM01BN	00	=		
XA513	TDD	FN	15A		( )	01		TM1CPA 30 15A	
XA513	TDD	FP	16B		TM01BP	00	=		
XA513	TDD	FP	17A		(33)	01		TXRS1B 36 17A	
XA513	TDD	FQ	15B		TM01BQ	00	=		BUFFER OUTPUT CONTROL F/F
XA513	TDD	FQ	14B		(31)	01		TM01SA 29 14B	
XA512	TQ2	A3	04B		TM01SA	00	=		
XA512	TQ2	A3	02A		(09)	01		TM01SO SPI020 03 02A 07 03A	
XA511	TQ2	A3	04B		TM01SO	00	=		
XA511	TQ2	A3	02A		(09)	01		TREQ2A TWRI2A 03 02A 07 03A	
					TM02BI	00	=		
XA526	TDD	MI	36A		( )	01		TM003Q 71 36A	
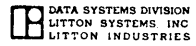
3-2860-1

| DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX TM02BN PAGE 257 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR		COMMENT
					TM02BN	00	=			
XA526	TDD	MN	34A		( )	01		TM03BQ 72 34A		
XA526	TDD	MP	35A		TM02BP	00	=			
XA526	TDD	MP	36B		(69)	01		SPI022 73 36B		
XA526	TDD	MQ	35B		TM02BQ	00	=			BYTE TIMING COUNTER BIT 2
XA526	TDD	MQ	34B		(74)	01		SPI019 65 34B		
					TM03BI	00	=			
XA514	TDD	EI	19A		( )	01		TM04BP 40 19A		
					TM03BN	00	=			
XA514	TDD	EN	20A		( )	01		TSCL1B 42 20A		
XA514	TDD	EP	17B		TM03BP	00	=			
XA514	TDD	EP	18A		(35)	01		TM03RA 38 18A		
XA514	TDD	EQ	18B		TM03BQ	00	=			BUFFER TIMING COUNTER BIT 3
XA514	TDD	EQ	19B		(37)	01		SPI020 39 19B		
XA511	TQ2	B1	12A		TM03RA	00	=			
XA511	TQ2	B1	13A		(22)	01		TM00BP TM01BP 24 13A 26 14A		
					TM04BI	00	=			
XA526	TDD	KI	29A		( )	01		TM03BQ 62 29A		
					TM04BN	00	=			
XA526	TDD	KN	28A		( )	01		TSCL1B 60 28A		
XA526	TDD	KP	30B		TM04BP	00	=			
XA526	TDD	KP	30A		(57)	01		TM03RA 64 30A		
XA526	TDD	KQ	29B		TM04BQ	00	=			BUFFER TIMING COUNTER BIT 4
XA526	TDD	KQ	28B		(55)	01		SPI023 53 28B		

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES		DRAWING NUMBER UNIT ASSEMBLY NAME	149016-860 CARD CAGE ASSY,A,IFCU		LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX TM1CPA PAGE 258	

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA512	TQ2	A4	07B		TM1CPA	00	=		
XA512	TQ2	A4	05B		(15)	01		TM02BP TM04BQ 11 05B 13 06B	
XA509	TT3	D3	27B		TNDASA	00	=		NO DATA ERROR
XA509	TT3	D3	24B		(51)	01		TNDA10 TRW14A TNDA3A 45 24B 47 25B 49 26B	
XA515	TD4	D2	24B		TNDA1A	00	=		
XA515	TD4	D2	23B		(45)	01		TWRIOS TNSGOR TC41BP TSCL3B 43 23B 46 21A 48 22A 50 23A	
XA512	TQ2	D3	24B		TNDA10	00	=		
XA512	TQ2	D3	22B		(45)	01		TNDA1A TNDA2A 41 22B 43 23B	
XA503	TS8	B1	11B		TNDA2A	00	=		
XA503	TS8	B1	09A		(23)	01		TSTR2S TSPNSQ TC60BP TWRIEP TSCK3B SPI003 SPI012 SPI018 14 09A 18 10A 19 09B 20 11A 22 12A 24 13A 25 12B 26 14A	
XA409	TT3	E1	30A		TNDA3A	00	=		
XA409	TT3	E1	31A		(64)	01		TSPACQ TXASLA TXBSLA 66 31A 68 32A 70 33A	
XA509	TT3	B3	13B		TNSGAA	00	=		SPACE REC/FILE, HIPT
XA509	TT3	B3	10B		(27)	01		TNSGAO TNSG2S TSCK3B 21 10B 23 11B 25 12B	
XA505	TQ2	F2	34A		TNSGAO	00	=		
XA505	TQ2	F2	36A		(72)	01		TREADP TWRITP 71 36A 73 36B	
XA510	TT3	B2	09B		TNSGCA	00	=		SPACE RECORD REQUEST/START
XA510	TT3	B2	09A		(19)	01		TSPACQ TNSG2S TSCK3B 14 09A 17 08B 18 10A	
XA410	TD4	F1	37A		TNSGDA	00	=		
XA410	TD4	F1	37B		(76)	01		TNSGDO TXEB1Q TEBZRO TSCK3B 75 37B 77 38B 78 38A 79 39B	
XA508	TD4	A1	05B		TNSGDO	00	=		
XA508	TD4	A1	05A		(11)	01		TSPACP TSPAFP THISPP SPI020 06 05A 08 06A 10 07A 13 06B	
XA508	TD4	A2	04B		TNSGEA	00	=		SPACE FILE REQUEST
XA508	TD4	A2	02B		(09)	01		TSPAFQ TTMDCO TNSG2S TSCK3B 01 02B 04 04A 05 03B 07 03A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER **149016-860** UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**		**LOGIC**		UNIT ASSEMBLY NO. **149016** FILE IDENT **T39CIFC6**	REV. **E** DATE **09-03-82**	INDEX **TNSGIA** PAGE **259**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA508	TD4	D2	24B		TNSGIA	00	=		TAPE MARK DETECTED
XA508	TD4	D2		23B	(45)	01		TTMDCO TNSG2S TSCL3B SPIO20 43 23B 46 21A 48 22A 50 23A	
XA508	TD4	B2	10B		TNSGJA	00	=		LRC PARITY ERROR DECTECTED
XA508	TD4	B2		09A	(21)	01		TDIRIS TLRCBA TNSG2S TSCK3B 14 09A 18 10A 19 09B 20 11A	
XA510	TT3	B3	13B		TNSGKA	00	=		SPACE FILE START
XA510	TT3	B3		10B	(27)	01		TNSGKO TNSG2S TSCK3B 21 10B 23 11B 25 12B	
XA505	TQ2	D1	24A		TNSGKO	00	=		
XA505	TQ2	D1		25A	(52)	01		TSPAFP TSPACP 54 25A 56 26A	
XA509	TT3	F3	39A		TNSGMA	00	=		ERASE STOP
XA509	TT3	F3		35A	(80)	01		TWRIEQ TWRG2S TSCL3B 69 35A 76 37A 78 38A	
XA503	TS8	A1	05B		TNSGOA	00	=		SET CHARACTER DETECT
XA503	TS8	A1		02B	(11)	01		TKCOOP TKCO2P TKAO10 TKAO2P TSCK3B SPIO18 SPIO12 SPIO03 01 02B 04 04A 05 03B 06 05A 07 03A 08 06A 10 07A 13 06B	
XA508	TD4	D1	25B		TNSGOR	00	=		
XA508	TD4	D1		26B	(47)	01		TNSGOS TNSG1A TRENOS TXRS2B 49 26B 52 24A 54 25A 56 26A	
XA512	TQ2	D1	24A		TNSGOS	00	=		GAP DETECT COUNTERBIT 0
XA512	TQ2	D1		25A	(52)	01		TNSGOR TNSGOA 54 25A 56 26A	
XA509	TT3	C2	15B		TNSG1A	00	=		
XA509	TT3	C2		14B	(31)	01		TNSG1S TSCK3B SPIO20 29 14B 30 15A 34 16A	
XA508	TD4	C1	17B		TNSG1R	00	=		
XA508	TD4	C1		18B	(35)	01		TNSG1S TNSG3A TRENOS TXRS1B 37 18B 38 18A 40 19A 42 20A	
XA512	TQ2	D2	21A		TNSG1S	00	=		GAP DETECT COUNTERBIT 1
XA512	TQ2	D2		22A	(46)	01		TNSG1R TNSG2A 48 22A 50 23A	
XA508	TD4	B1	11B		TNSG2A	00	=		
XA508	TD4	B1		12A	(23)	01		TNSGOS TSPNIS TO80U0 TSCK1B 22 12A 24 13A 25 12B 26 14A	

3-2880-1

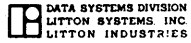|	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER UNIT ASSEMBLY NAME	149016-860 CARD CAGE ASSY,A,IFCU	LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX TNSG2R PAGE 260

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA509	TT3	B1	11A		TNSG2R	00	=		
XA509	TT3	B1	12A		(20)	01		TNSG2S TNSG5A TXRS1B 22 12A 24 13A 26 14A	
XA512	TQ2	C3	16B		TNSG2S	00	=		GAP DETECT COUNTERBIT 2
XA512	TQ2	C3	14B		(33)	01		TNSG2R TNSG4A. 29 14B 31 15B	
XA511	TQ2	D2	21A		TNSG3A	00	=		
XA511	TQ2	D2	22A		(46)	01		TNSG2S TSCK3B 48 22A 50 23A	
XA509	TT3	B2	09B		TNSG3R	00	=		
XA509	TT3	B2	09A		(19)	01		TNSG3S TNSG7A TXRS1B 14 09A 17 08B 18 10A	
XA506	TQ2	F4	39A		TNSG3S	00	=		GAP DETECT COUNTERBIT 3
XA506	TQ2	F4	37A		(80)	01		TNSG3R TNSG6A 76 37A 78 38A	
XA510	TT3	B1	11A		TNSG4A	00	=		
XA510	TT3	B1	12A		(20)	01		TNSG1S T002M0 TSCK1B 22 12A 24 13A 26 14A	
XA512	TQ2	C4	19B		TNSG5A	00	=		
XA512	TQ2	C4	17B		(39)	01		TNSG3S TSCL1B 35 17B 37 18B	
XA511	TQ2	C3	16B		TNSG6A	00	=		
XA511	TQ2	C3	14B		(33)	01		TNSG2S TSCK3B 29 14B 31 15B	
XA511	TQ2	C4	19B		TNSG7A	00	=		
XA511	TQ2	C4	17B		(39)	01		TNSG2R TSCK3B 35 17B 37 18B	
XA519	TQ2	E1	31A		TRCP00	00	=		OUTPUT DATA REG CLK BITS 0-3
XA519	TQ2	E1	32A		(66)	01		TRRC0A TLPT5A 68 32A 70 33A	
XA519	TQ2	E2	28A		TRCP10	00	=		
XA519	TQ2	E2	29A		(60)	01		TRRC0A TLPT5A 62 29A 64 30A	
XA519	TQ2	E3	30B		TRCP20	00	=		
XA519	TQ2	E3	28B		(57)	01		TRRC0A TLPT5A 53 28B 55 29B	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	TRCP30
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	261

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA519	TQ2	E4	33B		TRCP30	00	=		
XA519	TQ2	E4		31B	(63)	01		TRRCOA TLPT5A 59 31B 61 32B	
XA519	TQ2	F1	37B		TRCP40	00	=		
XA519	TQ2	F1		38B	(75)	01		TRRCOA TLPT5A 77 38B 79 39B	
XA519	TQ2	F2	34A		TRCP50	00	=		
XA519	TQ2	F2		36A	(72)	01		TRRCOA TLPT5A 71 36A 73 36B	
XA519	TQ2	F3	35A		TRCP60	00	=		
XA519	TQ2	F3		34B	(69)	01		TRRCOA TLPT5A 65 34B 74 35B	
XA519	TQ2	F4	39A		TRCP70	00	=		OUTPUT DATA REG CLK BIT 28-31
XA519	TQ2	F4		37A	(80)	01		TRRCOA TLPT5A 76 37A 78 38A	
XA516	TQ2	D1	24A		TRDBCA	00	=		
XA516	TQ2	D1		25A	(52)	01		TRDBCOX SPI021 54 25A 56 26A	
XA546	DCF	C3	30B		TRDBCDX4	00	=		READ CLOCK RECEIVER
XA546	DCF	C3		29A	(55)	01		SPI029 52 29A	
XA546	DCF	C4	29B		TRDBCOX	00	=		
XA546	DCF	C4		28B	(56)	01		SPI030 51 28B	
XA543	TLD	D1	24A		TRDBED4	00	=		READ ENABLE DRIVER
XA543	TLD	D1		25A	(52)	01		TRENOS SPI029 54 25A 56 26A	
XA546	DCF	C1	25B		TRDBPDX4	00	=		TAPE DATA P RECEIVER
XA546	DCF	C1		29A	(46)	01		SPI029 52 29A	
XA546	DCF	C2	26B		TRDBPOX	00	=		
XA546	DCF	C2		27B	(47)	01		SPI028 49 27B	
XA546	DCF	A1	02B		TRDBODX4	00	=		TAPE DATA O RECEIVER
XA546	DCF	A1		05A	(07)	01		SPI029 06 05A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	TRDB00X
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	262

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA546	DCF	A2	03B		TRDB00X	00	=		
XA546	DCF	A2	04B		(09)	01		SPI028 11 04B	
XA546	DCF	A3	07B		TRDB1DX4	00	=		TAPE DATA 1 RECEIVER
XA546	DCF	A3	05A		(17)	01		SPI029 06 05A	
XA546	DCF	A4	06B		TRDB10X	00	=		
XA546	DCF	A4	05B		(15)	01		SPI030 13 05B	
XA546	DCF	A5	08B		TRDB2DX4	00	=		TAPE DATA 2 RECEIVER
XA546	DCF	A5	05A		(14)	01		SPI029 06 05A	
XA546	DCF	A6	07A		TRDB20X	00	=		
XA546	DCF	A6	06A		(10)	01		SPI013 08 06A	
XA546	DCF	A7	02A		TRDB3DX4	00	=		TAPE DATA 3 RECEIVER
XA546	DCF	A7	05A		(01)	01		SPI029 06 05A	
XA546	DCF	A8	03A		TRDB30X	00	=		
XA546	DCF	A8	04A		(03)	01		SPI015 04 04A	
XA546	DCF	B1	10B		TRDB4DX4	00	=		TAPE DATA 4 RECEIVER
XA546	DCF	B1	13A		(27)	01		SPI029 36 13A	
XA546	DCF	B2	11B		TRDB40X	00	=		
XA546	DCF	B2	12B		(29)	01		SPI028 31 12B	
XA546	DCF	B3	15B		TRDB5DX4	00	=		TAPE DATA 5 RECEIVER
XA546	DCF	B3	13A		(37)	01		SPI029 36 13A	
XA546	DCF	B4	14B		TRDB50X	00	=		
XA546	DCF	B4	13B		(35)	01		SPI030 33 13B	
XA546	DCF	B5	16A		TRDB6DX4	00	=		TAPE DATA 6 RECEIVER
XA546	DCF	B5	13A		(41)	01		SPI029 36 13A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS. INC.
LITTON INDUSTRIES

DRAWING NUMBER	149016-860		UNIT ASSEMBLY NO.	149016	REV. E	INDEX TRDB60X
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU	LOGIC	FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE 263

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA546	DCF	B6		15A	TRDB60X	00	=		
XA546	DCF	B6		14A	(40)	01		SPI013 / 38 14A	
XA546	DCF	B7		10A	TRDB7DX4	00	=		TAPE DATA 7 RECEIVER
XA546	DCF	B7		13A	(23)	01		SPI029 / 36 13A	
XA546	DCF	B8		11A	TRDB7GX	00	=		
XA546	DCF	B8		12A	(30)	01		SPI015 / 34 12A	
					TRDCAB	00	=		
XA412	TQ2	D1		24A	( )	01		TRDCCA / 52 24A	
XA412	TQ2	D2		21A	( )	02	+	TRDCDA / 46 21A	
XA412	TQ2	D1		24A	TRDCCA	00	=		TRDCAB BUSS
XA412	TQ2	D1		25A	(52)	01		TRDCCO SPI004 / 54 25A 56 26A	
XA439	TQ2	E4		33B	TRDCCO	00	=		
XA439	TQ2	E4		31B	(63)	01		TXRS0B SPI011 / 59 31B 61 32B	
XA412	TQ2	D2		21A	TRDCDA	00	=		TRDCAB BUSS
XA412	TQ2	D2		22A	(46)	01		TRDCCO SPI004 / 48 22A 50 23A	
XA522	TQ2	F3		35A	TRDY1A	00	=		
XA522	TQ2	F3		34B	(69)	01		TADSW2X TRDY10X / 65 34B 74 35B	
XA546	DCF	D1		32B	TRDY1DX4	00	=		READY 1 RECEIVER
XA546	DCF	D1		36A	(65)	01		SPI029 / 72 36A	
XA546	DCF	D2		33B	TRDY10X	00	=		
XA546	DCF	D2		34B	(69)	01		SPI028 / 71 34B	
					TREADI	00	=		
XA425	TDD	JI		32A	( )	01		TRED10 / 68 32A	
					TREADN	00	=		
XA425	TDD	JN		33A	( )	01		TXDV1B / 70 33A	
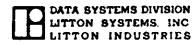
3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	TREADP
	UNIT ASSEMBLY NAME	CARD CAGE ASSY, A, IFCU		FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	264

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR				COMMENT
XA425	TDD	JP	31B		TREADP	00	=					
XA425	TDD	JP	31A		(59)	01		TRDCAB				
								66 31A				
XA425	TDD	JQ	32B		TREADQ	00	=					READ/INTERRUPT COMMAND F/F
XA425	TDD	JQ	33B		(61)	01		SPI007				
								63 33B				
					TREDB1	00	=					
XA425	TDD	KI	29A		( )	01		TRED20				
								62 29A				
					TREDBN	00	=					
XA425	TDD	KN	28A		( )	01		TXDV1B				
								60 28A				
XA425	TDD	KP	30B		TREDBP	00	=					
XA425	TDD	KP	30A		(57)	01		TRDCAB				
								64 30A				
XA425	TDD	KQ	29B		TREDBQ	00	=					
XA425	TDD	KQ	28B		(55)	01		SPI006				
								53 28B				
XA426	TQ2	D3	24B		TRED10	00	=					
XA426	TQ2	D3	22B		(45)	01		TXRAF3T	TXRAF4T			
								41 22B	43 23B			
XA426	TQ2	C2	15A		TRED20	00	=					
XA426	TQ2	C2	16A		(30)	01		TXRAF4T	SPI007			
								34 16A	36 17A			
XA508	TD4	F1	37A		TREG00	00	=					ERASE STOP
XA508	TD4	F1	37B		(76)	01		TREG1A	TREG2A	TREG3A	T009SA	
								75 37B	77 38B	78 38A	79 39B	
XA506	TQ2	E2	28A		TREG1A	00	=					
XA506	TQ2	E2	29A		(60)	01		TEBZR0	TC40BP			
								62 29A	64 30A			
XA506	TQ2	E3	30B		TREG2A	00	=					
XA506	TQ2	E3	28B		(57)	01		TEB4BP	TC52BP			
								53 28B	55 29B			
XA506	TQ2	F1	37B		TREG3A	00	=					
XA506	TQ2	F1	38B		(75)	01		TEB5BP	TC54BP			
								77 38B	79 39B			
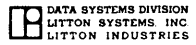
3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES		**DRAWING NUMBER** 149016-860			**LOGIC**	**UNIT ASSEMBLY NO.** 149016	**REV. E**	**INDEX** TRENOA
		UNIT ASSEMBLY NAME CARD CAGE ASSY, A, IFCU				**FILE IDENT** T39CIFC6	**DATE** 09-03-82	**PAGE** 265

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA516	TQ2	F4	39A		TRENOA	00	=		
XA516	TQ2	F4	37A		(80)	01		TSPNIS TSTR90 76 37A 78 38A	
XA518	TT3	E1	30A		TRENOR	00	=		
XA518	TT3	E1	31A		(64)	01		TRENOS TLADOR TXRS1B 66 31A 68 32A 70 33A	
XA517	TQ2	F2	34A		TRENOS	00	=		READ REG READ ENABLE F/F
XA517	TQ2	F2	36A		(72)	01		TRENOR TRENOA 71 36A 73 36B	
XA515	TD4	F1	37A		TREN1A	00	=		
XA515	TD4	F1	37B		(76)	01		TREADQ TXEB1Q TEBZRO TSCL3B 75 37B 77 38B 78 38A 79 39B	
XA521	TS8	F1	37A		TREN1R	00	=		
XA521	TS8	F1	36A		(76)	01		TREN1S TREN1A TBOTOR SPI023 TS29CP TNSG1R TXRS1B TNSGMA 71 36A 72 34A 73 36B 74 35B 75 37B 77 38B 78 38A 79 39B	
XA517	TQ2	F3	35A		TREN1S	00	=		FORWARD READ ENABLE F/F
XA517	TQ2	F3	34B		(69)	01		TREN1R TREN2A 65 34B 74 35B	
XA518	TT3	F2	35B		TREN2A	00	=		
XA518	TT3	F2	34B		(74)	01		TSPNIS TDIRIS TSTR90 65 34B 71 36A 72 34A	
XA507	TS8	F1	37A		TREN2R	00	=		
XA507	TS8	F1	36A		(76)	01		TREN2S TREN1A TNSG5A TXXDIA TXRS2B TREN3A SPI003 SPI020 71 36A 72 34A 73 36B 74 35B 75 37B 77 38B 78 38A 79 39B	
XA506	TQ2	F2	34A		TREN2S	00	=		
XA506	TQ2	F2	36A		(72)	01		TREN2R TREN2A 71 36A 73 36B	
XA517	TQ2	F4	39A		TREN3A	00	=		
XA517	TQ2	F4	37A		(80)	01		TREDBQ TS2890 76 37A 78 38A	
XA506	TQ2	D2	21A		TREQCA	00	=		
XA506	TQ2	D2	22A		(46)	01		TXXDDQ TXXCSO 48 22A 50 23A	
					TREQCI	00	=		
XA425	TDD	M1	36A		( )	01		SPI006 71 36A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER **149016-860** UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**			**LOGIC**	UNIT ASSEMBLY NO. **149016** FILE IDENT **T39CIFC6**	REV. **E** DATE **09-03-82**	INDEX **TREQCN** PAGE **266**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND / OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
				TREQCN	00	=		
XA425	TDD	MN	34A	( )	01		TREQ3A 72 34A	
XA425	TDD	MP	35A	TREQCP	00	=		
XA425	TDD	MP	36B	(69)	01		TREQRA 73 36B	
XA425	TDD	MQ	35B	TREQCQ	00	=		READ REQUEST DELAYCONTROL FF
XA425	TDD	MQ	34B	(74)	01		TXRS2B 65 34B	
XA506	TQ2	D3	24B	TREQDA	00	=		
XA506	TQ2	D3	22B	(45)	01		TXXDIQ TXXCSO 41 22B 43 23B	
XA506	TQ2	D4	27B	TREQRA	00	=		
XA506	TQ2	D4	25B	(51)	01		TREQRO SPIO18 47 25B 49 26B	
XA505	TQ2	E4	33B	TREQRO	00	=		
XA505	TQ2	E4	31B	(63)	01		TREQCA TREQDA 59 31B 61 32B	
XA504	TS8	F1	37A	TREQOA	00	=		
XA504	TS8	F1	36A	(76)	01		TREQ1R TREN2S TREADQ TMWCBQ TSCK1B SPIO03 SPIO12 SPIO18 71 36A 72 34A 73 36B 74 35B 75 37B 77 38B 78 38A 79 39B	
				TREQOI	00	=		
XA513	TDD	CI	13A	( )	01		TREQIP 24 13A	
				TREQON	00	=		
XA513	TDD	CN	14A	( )	01		TSCL1B 26 14A	
XA513	TDD	CP	11B	TREQOP	00	=		
XA513	TDD	CP	12A	(23)	01		TREQCP 22 12A	
XA513	TDD	CQ	12B	TREQOQ	00	=		READ REQUEST DELAYBIT O
XA513	TDD	CQ	13B	(25)	01		SPIO20 27 13B	
XA510	TT3	E2	29B	TREQOR	00	=		
XA510	TT3	E2	28B	(55)	01		TREQOS TREQ1A TXRS2B 53 28B 60 28A 62 29A	

3-2880-1

			DATA SYSTEMS DIVISION / LITTON SYSTEMS. INC / LITTON INDUSTRIES					

DRAWING NUMBER **149016-860**
UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**

LOGIC

UNIT ASSEMBLY NO. **149016**   REV. **E**   INDEX **TREQ0S**
FILE IDENT **T39CIFC6**   DATE **09-03-82**   PAGE **267**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA506	TQ2	E1	31A		TREQ0S	00	=		
XA506	TQ2	E1	32A		(66)	01		TREQ0R TREQ0A 68 32A 70 33A	
XA506	TQ2	F3	35A		TREQ1A	00	=		
XA506	TQ2	F3	34B		(69)	01		TREQ1S TSCK1B 65 34B 74 35B	
					TREQ1I	00	=		
XA514	TDD	CI	13A		( )	01		TREQ0Q 24 13A	
					TREQ1N	00	=		
XA514	TDD	CN	14A		( )	01		TSCL1B 26 14A	
XA514	TDD	CP	11B		TREQ1P	00	=		
XA514	TDD	CP	12A		(23)	01		TREQCP 22 12A	
XA514	TDD	CQ	12B		TREQ1Q	00	=		
XA514	TDD	CQ	13B		(25)	01		SPI020 27 13B	
XA510	TT3	E3	33B		TREQ1R	00	=		
XA510	TT3	E3	30B		(63)	01		TREQ1S TREQ3A TXRS2B 57 30B 59 31B 61 32B	
XA512	TQ2	C2	15A		TREQ1S	00	=		
XA512	TQ2	C2	16A		(30)	01		TREQ1R TREQ2A 34 16A 36 17A	
XA505	TQ2	B4	13B		TREQ2A	00	=		
XA505	TQ2	B4	11B		(27)	01		TREQ0S TSCK3B 23 11B 25 12B	
					TREQ2I	00	=		
XA513	TDD	LI	38B		( )	01		TREQ5A 77 38B	
					TREQ2N	00	=		
XA513	TDD	LN	39B		( )	01		TREQ1P 79 39B	
XA513	TDD	LP	37A		TREQ2P	00	=		
XA513	TDD	LP	37B		(76)	01		TREQCP 75 37B	

3-2880-1

| | DATA SYSTEMS DIVISION / LITTON SYSTEMS INC / LITTON INDUSTRIES | DRAWING NUMBER 149016-860 / UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 / FILE IDENT T39CIFC6 | REV. E / DATE 09-03-82 | INDEX TREQ2Q / PAGE 268 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA513	TDD	LQ		38A	TREQ2Q	00	=		
XA513	TDD	LQ		39A	(78)	01		SPI019 80 39A	
XA525	TD4	A1		05B	TREQ3A	00	=		
XA525	TD4	A1		05A	(11)	01		TREQ2Q TREQ3P TREQ4Q TSCL3B 06 05A 08 06A 10 07A 13 06B	
					TREQ3I	00	=		
XA514	TDD	DI		10A	( )	01		TREQ4P 18 10A	
					TREQ3N	00	=		
XA514	TDD	DN		09A	( )	01		TREQ2P 14 09A	
XA514	TDD	DP		10B	TREQ3P	00	=		
XA514	TDD	DP		11A	(21)	01		TREQCP 20 11A	
XA514	TDD	DQ		09B	TREQ3Q	00	=		
XA514	TDD	DQ		08B	(19)	01		SPI019 17 08B	
XA507	TS8	E1		31B	TREQ4A	00	=		
XA507	TS8	E1		29B	(59)	01		TREQ1S TREN2S TM02BP TM03BP TM04BQ TS29CP TSCL3B SPI020 55 29B 60 28A 61 32B 62 29A 64 30A 66 31A 68 32A 70 33A	
					TREQ4I	00	=		
XA526	TDD	LI		38B	( )	01		TREQ3Q 77 38B	
					TREQ4N	00	=		
XA526	TDD	LN		39B	( )	01		TREQ2P 79 39B	
XA526	TDD	LP		37A	TREQ4P	00	=		
XA526	TDD	LP		37B	(76)	01		TREQCP 75 37B	
XA526	TDD	LQ		38A	TREQ4Q	00	=		READ REQUEST DELAYBIT 4
XA526	TDD	LQ		39A	(78)	01		SPI022 80 39A	
XA524	TT3	F2		35B	TREQ5A	00	=		
XA524	TT3	F2		34B	(74)	01		TREQ2Q SPI024 SPI025 65 34B 71 36A 72 34A	

3-2880-1

H78-16 678

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA506	TQ2	E4	33B		TREWCA	00	=		
XA506	TQ2	E4	31B		(63)	01		TCSD10 TRUNCO 59 31B 61 32B	
XA543	TLD	D3	24B		TREWCD4	00	=		REWIND DRIVER
XA543	TLD	D3	22B		(45)	01		TRUNAS TREWCO 41 22B 43 23B	
XA511	TQ2	D1	24A		TREWCO	00	=		
XA511	TQ2	D1	25A		(52)	01		SPI020 TREWCA 54 25A 56 26A	
					TREWDI	00	=		
XA425	TDD	BI	03B		( )	01		TREW20 05 03B	
					TREWDN	00	=		
XA425	TDD	BN	02B		( )	01		TXDV1B 01 02B	
XA425	TDD	BP	04B		TREWDP	00	=		
XA425	TDD	BP	04A		(09)	01		TRDCAB 04 04A	
XA425	TDD	BQ	03A		TREWDQ	00	=		REWIND/NO INTERRUPT CMND F/F
XA425	TDD	BQ	02A		(07)	01		SPI007 03 02A	
					TREWII	00	=		
XA413	TDD	LI	38B		( )	01		TXIRCO 77 38B	
					TREWIN	00	=		
XA413	TDD	LN	39B		( )	01		TXDV1B 79 39B	
XA413	TDD	LP	37A		TREWIP	00	=		
XA413	TDD	LP	37B		(76)	01		TRDCAB 75 37B	
XA413	TDD	LQ	38A		TREWIQ	00	=		REWIND/INTERRUPT COMMAND F/F
XA413	TDD	LQ	39A		(78)	01		SPI004 80 39A	
XA545	DCF	D1	32B		TREW1DX4	00	=		REWINDING 1 RECEIVER
XA545	DCF	D1	36A		(65)	01		SPI029 72 36A	

3-2880-1

	DATA SYSTEMS DIVISION	DRAWING NUMBER	149016-860		LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	TREW1I
	LITTON SYSTEMS INC LITTON INDUSTRIES	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU			FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	270

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TREW1I	QO	=		
XA425	TDD	AI	06A		( )	01		TRW190 08 06A	
					TREW1N	00	=		
XA425	TDD	AN	07A		( )	01		TXDV1B 10 07A	
XA425	TDD	AP	05B		TREW1P	00	=		
XA425	TDD	AP	05A		(11)	01		TRW12A 06 05A	
XA425	TDD	AQ	06B		TREW1Q	00	=		REWINDING 1 REMEMBER F/F
XA425	TDD	AQ	07B		(13)	01		TXRS1B 15 07B	
XA545	DCF	D2	33B		TREW10X	00	=		
XA545	DCF	D2	34B		(69)	01		SPI028 71 34B	
					TREW2I	00	=		
XA414	TDD	LI	38B		( )	01		TRW290 77 38B	
					TREW2N	00	=		
XA414	TDD	LN	39B		( )	01		TXDV1B 79 39B	
XA414	TDD	LP	37A		TREW2P	00	=		
XA414	TDD	LP	37B		(76)	01		TRW22A 75 37B	
XA414	TDD	LQ	38A		TREW2Q	00	=		REWINDING 2 REMEMBER F/F
XA414	TDD	LQ	39A		(78)	01		TXRS2B 80 39A	
XA426	TQ2	B2	09A		TREW2O	00	=		
XA426	TQ2	B2	10A		(14)	01		TXR095T SPI007 18 10A 20 11A	
XA439	TQ2	E3	30B		TREW3A	00	=		
XA439	TQ2	E3	28B		(57)	01		TREW30 SPI011 53 28B 55 29B	
					TREW3I	00	=		
XA415	TDD	LI	38B		( )	01		TRW390 77 38B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU				LOGIC	UNIT ASSEMBLY NO. 149016 REV. E INDEX TREW3N FILE IDENT T39CIFC6 DATE 09-03-82 PAGE 271	

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND / OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
				TREW3N	00	=		
XA415	TDD	LN	39B	( )	01		TXDV1B 79 39B	
XA415	TDD	LP	37A	TREW3P	00	=		
XA415	TDD	LP	37B	(76)	01		TRW3ZA 75 37B	
XA415	TDD	LQ	38A	TREW3Q	00	=		REWINDING 3 REMEMBER F/F
XA415	TDD	LQ	39A	(78)	01		TXRS2B 80 39A	
XA429	TD4	E2	30B	TREW3O	00	=		
XA429	TD4	E2	29B	(57)	01		TXR094T TXR095T TXR092T TXRAF2T 55 29B 60 28A 62 29A 64 30A	
				TREW4I	00	=		
XA416	TDD	LI	38B	( )	01		TRW49O 77 38B	
				TREW4N	00	=		
XA416	TDD	LN	39B	( )	01		TXDV1B 79 39B	
XA416	TDD	LP	37A	TREW4P	00	=		
XA416	TDD	LP	37B	(76)	01		TRW42A 75 37B	
XA416	TDD	LQ	38A	TREW4Q	00	=		REWINDING 4 REMEMBER F/F
XA416	TDD	LQ	39A	(78)	01		TXRS2B 80 39A	
XA502	TS8	D1	25B	TRMROA	00	=		INPUT REQUEST TO BUFFER
XA502	TS8	D1	23B	(47)	01		TRTDCO TREN1S TKB00P TKB01Q TKA01P TKA02Q TSCL3B SPI018 43 23B 46 21A 48 22A 49 26B 50 23A 52 24A 54 25A 56 26A	
XA521	TS8	E1	31B	TRRCOA	00	=		TRANSFER BUFFER TO OUTPUT
XA521	TS8	E1	29B	(59)	01		TWTSTP TS29CP TM02BP TM03BP TM04BQ TSCL3B SPI019 SPI022 55 29B 60 28A 61 32B 62 29A 64 30A 66 31A 68 32A 70 33A	
XA516	TQ2	B1	12A	TRRSOA	00	=		OUTPUT DATA REG EVEN RESET
XA516	TQ2	B1	13A	(22)	01		TEB4RO SPI020 24 13A 26 14A	
XA516	TQ2	C1	18A	TRRS1A	00	=		OUTPUT DATA REG ODD RESET
XA516	TQ2	C1	19A	(36)	01		TEB4RO SPI021 40 19A 42 20A	

3-2880-1

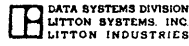| | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | DRAWING NUMBER / UNIT ASSEMBLY NAME | 149016-860 CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 / FILE IDENT T39CIFC6 | REV. E / DATE 09-03-82 | INDEX TRRS2A / PAGE 272 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
KA516	TQ2	B2	09A		TRRS2A	00	=		
KA516	TQ2	B2	10A		(14)	01		TEB4R0 SPI020 18 10A 20 11A	
KA516	TQ2	C2	15A		TRRS3A	00	=		
KA516	TQ2	C2	16A		(30)	01		TEB4R0 SPI021 34 16A 36 17A	
KA516	TQ2	B3	10B		TRRS4A	00	=		
KA516	TQ2	B3	08B		(21)	01		TEB4R0 SPI020 17 08B 19 09B	
KA516	TQ2	C3	16B		TRRS5A	00	=		
KA516	TQ2	C3	14B		(33)	01		TEB4R0 SPI021 29 14B 31 15B	
KA516	TQ2	B4	13B		TRRS6A	00	=		
KA516	TQ2	B4	11B		(27)	01		TEB4R0 SPI020 23 11B 25 12B	
KA516	TQ2	C4	19B		TRRS7A	00	=		
KA516	TQ2	C4	17B		(39)	01		TEB4R0 SPI021 35 17B 37 18B	
KA516	TQ2	A1	05A		TRST0A	00	=		OUTPUT DATA REG EVEN SET
KA516	TQ2	A1	06A		(06)	01		TRST00 SPI020 08 06A 10 07A	
KA517	TQ2	A1	05A		TRST00	00	=		
KA517	TQ2	A1	06A		(06)	01		TWRT6A SPI021 08 06A 10 07A	
KA516	TQ2	A2	02B		TRST1A	00	=		OUTPUT DATA REG ODD SET
KA516	TQ2	A2	04A		(01)	01		TRST10 SPI020 04 04A 05 03B	
KA517	TQ2	A2	02B		TRST10	00	=		
KA517	TQ2	A2	04A		(01)	01		TWRT7A SPI021 04 04A 05 03B	
KA516	TQ2	A3	04B		TRST4A	00	=		
KA516	TQ2	A3	02A		(09)	01		TRST00 SPI020 03 02A 07 03A	
KA516	TQ2	A4	07B		TRST5A	00	=		
KA516	TQ2	A4	05B		(15)	01		TRST10 SPI020 11 05B 13 06B	

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS. INC. / LITTON INDUSTRIES

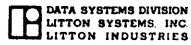DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 REV. E DATE 09-03-82 INDEX TRTDCO PAGE 273

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA412	TQ2	E1	31A		TRTDCO	00	=		
XA412	TQ2	E1	32A		(66)	01		TREADP SPI004 68 32A 70 33A	
XA431	TT3	B2	09B		TRTDEA	00	=		
XA431	TT3	B2	09A		(19)	01		TREADQ TREN2S TXEA00 14 09A 17 08B 18 10A	
XA503	TS8	C1	17B		TRTDPA	00	=		SET LATERAL PARITYERROR
XA503	TS8	C1	15A		(35)	01		TREN1S TTOPBPR TKA01Q TKA02Q TSCL3B SPI018 SPI012 SPI003 30 15A 31 15B 34 16A 36 17A 37 18B 38 18A 40 19A 42 20A	
XA504	TS8	A1	05B		TRTDOA	00	=		TRANSFER BYTE 0
XA504	TS8	A1	02B		(11)	01		TRTDCO TREN1S TKB00P TKB01P TKA01Q TKA02Q TSCK3B SPI018 01 02B 04 04A 05 03B 06 05A 07 03A 08 06A 10 07A 13 06B	
XA505	TQ2	F3	35A		TRTD00	00	=		
XA505	TQ2	F3	34B		(69)	01		TRTDOA SPI018 65 34B 74 35B	
XA504	TS8	B1	11B		TRTD1A	00	=		TRANSFER BYTE 1
XA504	TS8	B1	09A		(23)	01		TRTDCO TREN1S TKB00Q TKB01P TKA01Q TKA02Q TSCK3B SPI018 14 09A 18 10A 19 09B 20 11A 22 12A 24 13A 25 12B 26 14A	
XA412	TQ2	E2	28A		TRTD10	00	=		
XA412	TQ2	E2	29A		(60)	01		TRTD1A SPI004 62 29A 64 30A	
XA504	TS8	C1	17B		TRTD2A	00	=		TRANSFER BYTE 2
XA504	TS8	C1	15A		(35)	01		TRTDCO TREN1S TKB00Q TKB01Q TKA01Q TKA02Q TSCL3B SPI018 30 15A 31 15B 34 16A 36 17A 37 18B 38 18A 40 19A 42 20A	
XA412	TQ2	E3	30B		TRTD20	00	=		
XA412	TQ2	E3	28B		(57)	01		TRTD2A SPI004 53 28B 55 29B	
XA504	TS8	D1	25B		TRTD3A	00	=		TRANSFER BYTE 3
XA504	TS8	D1	23B		(47)	01		TRTDCO TREN1S TKB00P TKB01Q TKA01Q TKA02Q TSCK3B SPI018 43 23B 46 21A 48 22A 49 26B 50 23A 52 24A 54 25A 56 26A	
XA412	TQ2	E4	33B		TRTD30	00	=		
XA412	TQ2	E4	31B		(63)	01		TRTD3A SPI004 59 31B 61 32B	
XA521	TS8	B1	11B		TRTOCA	00	=		READ COMMAND ICU TIMEOUT
XA521	TS8	B1	09A		(23)	01		TREADQ TXONLO TREN1S TMWCBQ TM02BQ TM03BQ TM04BP TSCL3B 14 09A 18 10A 19 09B 20 11A 22 12A 24 13A 25 12B 26 14A	

3-2880-1

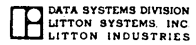|								
DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY, A, IFCU				LOGIC		UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E INDEX TRUNAR DATE 09-03-82 PAGE 274

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
KA502	TS8	A1	05B	TRUNAR	00	=		
KA502	TS8	A1	02B	(11)	01		TRUNAS TSTP6A SPI009 TRUN3A TXRS1B SPI018 SPI003 SPI012	
							01 02B 04 04A 05 03B 06 05A 07 03A 08 06A 10 07A 13 06B	
KA505	TQ2	A3	04B	TRUNAS	00	=		MOTOR RUN CONTROL F/F
KA505	TQ2	A3	02A	(09)	01		TRUNAR TSTR2A	
							03 02A 07 03A	
KA519	TQ2	B4	13B	TRUNCA	00	=		
KA519	TQ2	B4	11B	(27)	01		TDIRIR TSPNIR	
							23 11B 25 12B	
KA543	TLD	D2	21A	TRUNCD4	00	=		RUN DRIVER
KA543	TLD	D2	22A	(46)	01		TRUNAS TREWCA	
							48 22A 50 23A	
KA520	TQ2	B4	13B	TRUNCO	00	=		
KA520	TQ2	B4	11B	(27)	01		TRUNCA SPI021	
							23 11B 25 12B	
KA408	TQ2	D1	24A	TRUN3A	00	=		
KA408	TQ2	D1	25A	(52)	01		TDIRIR TBOT1OX	
							54 25A 56 26A	
KA521	TS8	C1	17B	TRWCOA	00	=		WRITE INTO BUFFER REG
KA521	TS8	C1	15A	(35)	01		TS29CP TM02BQ TM03BP TM04BQ TSCL3B SPI003 SPI022 SPI019	
							30 15A 31 15B 34 16A 36 17A 37 18B 38 18A 40 19A 42 20A	
KA406	TQ2	B4	13B	TRWSOA	00	=		
KA406	TQ2	B4	11B	(27)	01		TRWSOS TSCK3B	
							23 11B 25 12B	
KA409	TT3	A1	04A	TRWSOR	00	=		
KA409	TT3	A1	05A	(04)	01		TRWSOS TRWS1A TXRS1B	
							06 05A 08 06A 10 07A	
KA407	TQ2	A3	04B	TRWSOS	00	=		REWIND COUNTER BITO
KA407	TQ2	A3	02A	(09)	01		TRWSOR TSTR6A	
							03 02A 07 03A	
KA406	TQ2	A4	07B	TRWS1A	00	=		
KA406	TQ2	A4	05B	(15)	01		TRWS1S TSCK1B	
							11 05B 13 06B	
KA409	TT3	A2	03A	TRWS1R	00	=		
KA409	TT3	A2	02B	(07)	01		TRWS1S TRWS3A TXRS1B	
							01 02B 03 02A 05 03B	

3-2880-1

			DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC		UNIT ASSEMBLY NO. 149016	REV. E	INDEX TRWS1S
				UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU			FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 275

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA407	TQ2	A4	07B		TRWS1S	00	=		REWIND COUNTER BIT1
XA407	TQ2	A4	05B		(15)	01		TRWS1R TRWSOA 11 05B 13 06B	
XA409	TT3	B2	09B		TRWS2A	00	=		
XA409	TT3	B2	09A		(19)	01		TREWDQ TRWSOS TSCK3B 14 09A 17 08B 18 10A	
XA406	TQ2	A3	04B		TRWS3A	00	=		
XA406	TQ2	A3	02A		(09)	01		TRWSOR TSCK3B 03 02A 07 03A	
XA410	TD4	B2	10B		TRWS4A	00	=		
XA410	TD4	B2	09A		(21)	01		TCSD10 TRWOCA TRWSOS TSCK3B 14 09A 18 10A 19 09B 20 11A	
XA523	TQ2	A4	07B		TRWOCA	00	=		
XA523	TQ2	A4	05B		(15)	01		TREW10X SPIO22 11 05B 13 06B	
XA523	TQ2	E1	31A		TRW10A	00	=		
XA523	TQ2	E1	32A		(66)	01		TTS1BS TREW1Q 68 32A 70 33A	
XA522	TQ2	E1	31A		TRW12A	00	=		
XA522	TQ2	E1	32A		(66)	01		TTS1BS TCSD20 68 32A 70 33A	
XA523	TQ2	D4	27B		TRW14A	00	=		
XA523	TQ2	D4	25B		(51)	01		TRW140 SPIO22 47 25B 49 26B	
XA525	TD4	D1	25B		TRW140	00	=		
XA525	TD4	D1	26B		(47)	01		TRW10A TRW20A TRW30A TRW40A 49 26B 52 24A 54 25A 56 26A	
XA536	TQ2	E1	31A		TRW19A	00	=		
XA536	TQ2	E1	32A		(66)	01		TTS190 TREW20 68 32A 70 33A	
XA537	TQ2	E1	31A		TRW190	00	=		
XA537	TQ2	E1	32A		(66)	01		TRW19A TREW1P 68 32A 70 33A	
XA523	TQ2	E2	28A		TRW20A	00	=		
XA523	TQ2	E2	29A		(60)	01		TTS2BS TREW2Q 62 29A 64 30A	
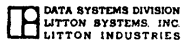
3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC.
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX TRW22A
PAGE 276

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA522	TQ2	E2	28A		TRW22A	00	=		
XA522	TQ2	E2	29A		(60)	01		TTS2BS TCSD20 62 29A 64 30A	
XA536	TQ2	E2	28A		TRW29A	00	=		
XA536	TQ2	E2	29A		(60)	01		TTS290 TREW20 62 29A 64 30A	
XA537	TQ2	E2	28A		TRW290	00	=		
XA537	TQ2	E2	29A		(60)	01		TRW29A TREW2P 62 29A 64 30A	
XA523	TQ2	E3	30B		TRW30A	00	=		
XA523	TQ2	E3	28B		(57)	01		TTS3BS TREW3Q 53 28B 55 29B	
XA522	TQ2	E3	30B		TRW32A	00	=		
XA522	TQ2	E3	28B		(57)	01		TTS3BS TCSD20 53 28B 55 29B	
XA536	TQ2	E3	30B		TRW39A	00	=		
XA536	TQ2	E3	28B		(57)	01		TTS390 TREW20 53 28B 55 29B	
XA537	TQ2	E3	30B		TRW390	00	=		
XA537	TQ2	E3	28B		(57)	01		TRW39A TREW3P 53 28B 55 29B	
XA523	TQ2	E4	33B		TRW40A	00	=		
XA523	TQ2	E4	31B		(63)	01		TTS4BS TREW4Q 59 31B 61 32B	
XA522	TQ2	E4	33B		TRW42A	00	=		
XA522	TQ2	E4	31B		(63)	01		TTS4BS TCSD20 59 31B 61 32B	
XA536	TQ2	E4	33B		TRW49A	00	=		
XA536	TQ2	E4	31B		(63)	01		TTS490 TREW20 59 31B 61 32B	
XA537	TQ2	E4	33B		TRW490	00	=		
XA537	TQ2	E4	31B		(63)	01		TRW49A TREW4P 59 31B 61 32B	
					TR00BI	00	=		
XA530	TDD	JI	32A		( )	01		TB00BQ 68 32A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER UNIT ASSEMBLY NAME	149016-860 CARD CAGE ASSY,A,IFCU	LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX TR00BN PAGE 277

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TR00BN	00	=		
XA530	TDD	JN	33A		( )	01		TRCP00 70 33A	
XA530	TDD	JP	31B		TR00BP	00	=		
XA530	TDD	JP	31A		(59)	01		TRRS0A 66 31A	
XA530	TDD	JQ	32B		TR00BQ	00	=		OUTPUT DATA REG BIT 0
XA530	TDD	JQ	33B		(61)	01		TRST0A 63 33B	
XA536	TQ2	A1	05A		TR00CA	00	=		
XA536	TQ2	A1	06A		(06)	01		TT00BQ TRTD00 08 06A 10 07A	
					TR01BI	00	=		
XA530	TDD	KI	29A		( )	01		TB01BQ 62 29A	
					TR01BN	00	=		
XA530	TDD	KN	28A		( )	01		TRCP00 60 28A	
XA530	TDD	KP	30B		TR01BP	00	=		
XA530	TDD	KP	30A		(57)	01		TRRS1A 64 30A	
XA530	TDD	KQ	29B		TR01BQ	00	=		
XA530	TDD	KQ	28B		(55)	01		TRST1A 53 28B	
XA536	TQ2	A2	02B		TR01CA	00	=		
XA536	TQ2	A2	04A		(01)	01		TT01BQ TRTD00 04 04A 05 03B	
					TR02BI	00	=		
XA530	TDD	LI	38B		( )	01		TB02BQ 77 38B	
					TR02BN	00	=		
XA530	TDD	LN	39B		( )	01		TRCP00 79 39B	
XA530	TDD	LP	37A		TR02BP	00	=		
XA530	TDD	LP	37B		(76)	01		TRRS0A 75 37B	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX TR02BQ
PAGE 278

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA530	TDD	LQ	38A		TR02BQ	00	=		
XA530	TDD	LQ	39A		(78)	01		TRSTOA 80 39A	
XA536	TQ2	A3	04B		TR02CA	00	=		
XA536	TQ2	A3	02A		(09)	01		TT02BQ TRTD00 03 02A 07 03A	
					TR03BI	00	=		
XA530	TDD	MI	36A		( )	01		TB03BQ 71 36A	
					TR03BN	00	=		
XA530	TDD	MN	34A		( )	01		TRCP00 72 34A	
XA530	TDD	MP	35A		TR03BP	00	=		
XA530	TDD	MP	36B		(69)	01		TRRS1A 73 36B	
XA530	TDD	MQ	35B		TR03BQ	00	=		
XA530	TDD	MQ	34B		(74)	01		TRST1A 65 34B	
XA536	TQ2	A4	07B		TR03CA	00	=		
XA536	TQ2	A4	05B		(15)	01		TT03BQ TRTD00 11 05B 13 06B	
					TR04BI	00	=		
XA531	TDD	AI	06A		( )	01		TB04BQ 08 06A	
					TR04BN	00	=		
XA531	TDD	AN	07A		( )	01		TRCP10 10 07A	
XA531	TDD	AP	05B		TR04BP	00	=		
XA531	TDD	AP	05A		(11)	01		TRRSOA 06 05A	
XA531	TDD	AQ	06B		TR04BQ	00	=		
XA531	TDD	AQ	07B		(13)	01		TRSTOA 15 07B	
XA536	TQ2	B1	12A		TR04CA	00	=		
XA536	TQ2	B1	13A		(22)	01		TT04BQ TRTD00 24 13A 26 14A	

3-2880-1

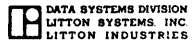|								
DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES		DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU			LOGIC		UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E INDEX TR05BI DATE 09-03-82 PAGE 279

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TR05BI	00	=		
XA531	TDD	BI	03B		( )	01		TB05BQ 05 03B	
					TR05BN	00	=		
XA531	TDD	BN	02B		( )	01		TRCP10 01 02B	
XA531	TDD	BP	04B		TR05BP	00	=		
XA531	TDD	BP	04A		(09)	01		TRRS1A 04 04A	
XA531	TDD	BQ	03A		TR05BQ	00	=		
XA531	TDD	BQ	02A		(07)	01		TRST1A 03 02A	
XA536	TQ2	B2	09A		TR05CA	00	=		
XA536	TQ2	B2	10A		(14)	01		TT05BQ TRTD00 18 10A 20 11A	
					TR06BI	00	=		
XA531	TDD	CI	13A		( )	01		TB06BQ 24 13A	
					TR06BN	00	=		
XA531	TDD	CN	14A		( )	01		TRCP10 26 14A	
XA531	TDD	CP	11B		TR06BP	00	=		
XA531	TDD	CP	12A		(23)	01		TRRS0A 22 12A	
XA531	TDD	CQ	12B		TR06BQ	00	=		
XA531	TDD	CQ	13B		(25)	01		TRST0A 27 13B	
XA536	TQ2	B3	10B		TR06CA	00	=		
XA536	TQ2	B3	08B		(21)	01		TT06BQ TRTD00 17 08B 19 09B	
					TR07BI	00	=		
XA531	TDD	DI	10A		( )	01		TB07BQ 18 10A	
					TR07BN	00	=		
XA531	TDD	DN	09A		( )	01		TRCP10 14 09A	

3-2880-1

				LOGIC		UNIT ASSEMBLY NO. 149016	REV. E	INDEX TR07BP

DATA SYSTEMS DIVISION
LITTON SYSTEMS. INC.
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

FILE IDENT T39CIFC6
DATE 09-03-82   PAGE 280

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA531	TDD	DP	10B		TR07BP	00	=		
XA531	TDD	DP	11A		(21)	01		TRRS1A 20 11A	
XA531	TDD	DQ	09B		TR07BQ	00	=		OUTPUT DATA REG BIT 7
XA531	TDD	DQ	08B		(19)	01		TRST1A 17 08B	
XA536	TQ2	B4	13B		TR07CA	00	=		
XA536	TQ2	B4	11B		(27)	01		TT07BQ TRTD00 23 11B 25 12B	
					TR08BI	00	=		
XA531	TDD	EI	19A		( )	01		TB08BQ 40 19A	
					TR08BN	00	=		
XA531	TDD	EN	20A		( )	01		TRCP20 42 20A	
XA531	TDD	EP	17B		TR08BP	00	=		
XA531	TDD	EP	18A		(35)	01		TRRS2A 38 18A	
XA531	TDD	EQ	18B		TR08BQ	00	=		OUTPUT DATA REG BIT 8
XA531	TDD	EQ	19B		(37)	01		TRST0A 39 19B	
XA536	TQ2	C1	18A		TR08CA	00	=		
XA536	TQ2	C1	19A		(38)	01		TT00BQ TRTD10 40 19A 42 20A	
					TR09BI	00	=		
XA531	TDD	FI	16A		( )	01		TB09BQ 34 16A	
					TR09BN	00	=		
XA531	TDD	FN	15A		( )	01		TRCP20 30 15A	
XA531	TDD	FP	16B		TR09BP	00	=		
XA531	TDD	FP	17A		(33)	01		TRRS3A 36 17A	
XA531	TDD	FQ	15B		TR09BQ	00	=		
XA531	TDD	FQ	14B		(31)	01		TRST1A 29 14B	

.3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC / LITTON INDUSTRIES

DRAWING NUMBER	149016-860	
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU	
LOGIC		
UNIT ASSEMBLY NO.	149016	REV. E
FILE IDENT	T39CIFC6	DATE 09-03-82
INDEX	TR09CA	PAGE 281

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA536	TQ2	C2	15A		TR09CA	00	=		
XA536	TQ2	C2	16A		(30)	01		TT01BQ TRTD10 34 16A 36 17A	
					TR10BI	00	=		
XA531	TDD	GI	25A		( )	01		TB10BQ 54 25A	
					TR10BN	00	=		
XA531	TDD	GN	26A		( )	01		TRCP20 56 26A	
XA531	TDD	GP	25B		TR10BP	00	=		
XA531	TDD	GP	24A		(47)	01		TRRS2A 52 24A	
XA531	TDD	GQ	26B		TR10BQ	00	=		
XA531	TDD	GQ	27B		(49)	01		TRST0A 51 27B	
XA536	TQ2	C3	16B		TR10CA	00	=		
XA536	TQ2	C3	14B		(33)	01		TT02BQ TRTD10 29 14B 31 15B	
					TR11BI	00	=		
XA531	TDD	HI	22A		( )	01		TB11BQ 48 22A	
					TR11BN	00	=		
XA531	TDD	HN	21A		( )	01		TRCP20 46 21A	
XA531	TDD	HP	24B		TR11BP	00	=		
XA531	TDD	HP	23A		(45)	01		TRRS3A 50 23A	
XA531	TDD	HQ	23B		TR11BQ	00	=		
XA531	TDD	HQ	22B		(43)	01		TRST1A 41 22B	
XA536	TQ2	C4	19B		TR11CA	00	=		
XA536	TQ2	C4	17B		(39)	01		TT03BQ TRTD10 35 17B 37 18B	
					TR12BI	00	=		
XA531	TDD	JI	32A		( )	01		TB12BQ 68 32A	

3-2880-1

	DRAWING NUMBER 149016-860			LOGIC	UNIT ASSEMBLY NO. 149016	REV. E	INDEX TR12BN
DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC / LITTON INDUSTRIES	UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU				FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 282

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					TR12BN	00	=		
XA531	TDD	JN	33A		( )	01		TRCP30 70 33A	
XA531	TDD	JP	31B		TR12BP	00	=		
XA531	TDD	JP	31A		(59)	01		TRRS2A 66 31A	
XA531	TDD	JQ	32B		TR12BQ	00	=		
XA531	TDD	JQ	33B		(61)	01		TRSTOA 63 33B	
XA536	TQ2	D1	24A		TR12CA	00	=		
XA536	TQ2	D1	25A		(52)	01		TT04BQ TRTD10 54 25A 56 26A	
					TR13BI	00	=		
XA531	TDD	KI	29A		( )	01		TB13BQ 62 29A	
					TR13BN	00	=		
XA531	TDD	KN	28A		( )	01		TRCP30 60 28A	
XA531	TDD	KP	30B		TR13BP	00	=		
XA531	TDD	KP	30A		(57)	01		TRRS3A 64 30A	
XA531	TDD	KQ	29B		TR13BQ	00	=		
XA531	TDD	KQ	28B		(55)	01		TRST1A 53 28B	
XA536	TQ2	D2	21A		TR13CA	00	=		
XA536	TQ2	D2	22A		(46)	01		TT05BQ TRTD10 48 22A 50 23A	
					TR14BI	00	=		
XA531	TDD	LI	38B		( )	01		TB14BQ 77 38B	
					TR14BN	00	=		
XA531	TDD	LN	39B		( )	01		TRCP30 79 39B	
XA531	TDD	LP	37A		TR14BP	00	=		
XA531	TDD	LP	37B		(76)	01		TRRS2A 75 37B	OUTPUT DATA REG BIT 15

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS INC / LITTON INDUSTRIES

DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO.	149016
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT	T39CIFC6

REV. E INDEX TR14BQ DATE 09-03-82 PAGE 283

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA531	TDD	LQ	38A		TR14BQ	00	=		
XA531	TDD	LQ	39A		(78)	01		TRST0A 80 39A	
XA536	TQ2	D3	24B		TR14CA	00	=		
XA536	TQ2	D3	22B		(45)	01		TT06BQ TRTD10 41 22B 43 23B	
					TR15BI	00	=		
XA531	TDD	MI	36A		( )	01		TB15BQ 71 36A	
					TR15BN	00	=		
XA531	TDD	MN	34A		( )	01		TRCP30 72 34A	
XA531	TDD	MP	35A		TR15BP	00	=		
XA531	TDD	MP	36B		(69)	01		TRRS3A 73 36B	
XA531	TDD	MQ	35B		TR15BQ	00	=		
XA531	TDD	MQ	34B		(74)	01		TRST1A 65 34B	
XA536	TQ2	D4	27B		TR15CA	00	=		
XA536	TQ2	D4	25B		(51)	01		TT07BQ TRTD10 47 25B 49 26B	
					TR16BI	00	=		
XA532	TDD	AI	06A		( )	01		TB16BQ 08 06A	
					TR16BN	00	=		
XA532	TDD	AN	07A		( )	01		TRCP40 10 07A	
XA532	TDD	AP	05B		TR16BP	00	=		
XA532	TDD	AP	05A		(11)	01		TRRS4A 06 05A	
XA532	TDD	AQ	06B		TR16BQ	00	=		OUTPUT DATA REG BIT 16
XA532	TDD	AQ	07B		(13)	01		TRST4A 15 07B	
XA537	TQ2	A1	05A		TR16CA	00	=		
XA537	TQ2	A1	06A		(06)	01		TT00BQ TRTD20 08 06A 10 07A	

3-2880-1

	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO. 149016		REV. E		INDEX TR17BI
DATA SYSTEMS DIVISION LITTON SYSTEMS. INC LITTON INDUSTRIES	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT T39CIFC6		DATE 09-03-82		PAGE 284

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TR17BI	00	=		
XA532	TDD	BI	03B		( )	01		TB17BQ 05 03B	
					TR17BN	00	=		
XA532	TDD	BN	02B		( )	01		TRCP40 01 02B	
XA532	TDD	BP	04B		TR17BP	00	=		
XA532	TDD	BP	04A		(09)	01		TRRS5A 04 04A	
XA532	TDD	BQ	03A		TR17BQ	00	=		
XA532	TDD	BQ	02A		(07)	01		TRST5A 03 02A	
XA537	TQ2	A2	02B		TR17CA	00	=		
XA537	TQ2	A2	04A		(01)	01		TT01BQ TRTD20 04 04A 05 03B	
					TR18BI	00	=		
XA532	TDD	CI	13A		( )	01		TB18BQ 24 13A	
					TR18BN	00	=		
XA532	TDD	CN	14A		( )	01		TRCP40 26 14A	
XA532	TDD	CP	11B		TR18BP	00	=		
XA532	TDD	CP	12A		(23)	01		TRRS4A 22 12A	
XA532	TDD	CQ	12B		TR18BQ	00	=		
XA532	TDD	CQ	13B		(25)	01		TRST4A 27 13B	
XA537	TQ2	A3	04B		TR18CA	00	=		
XA537	TQ2	A3	02A		(09)	01		TT02BQ TRTD20 03 02A 07 03A	
					TR19BI	00	=		
XA532	TDD	DI	10A		( )	01		TB19BQ 18 10A	
					TR19BN	00	=		
XA532	TDD	DN	09A		( )	01		TRCP40 14 09A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC.
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX TR19BP
PAGE 285

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA532	TDD	DP	10B		TR19BP	00	=		
XA532	TDD	DP		11A	(21)	01		TRRS5A	
								20 11A	
XA532	TDD	DQ	09B		TR19BQ	00	=		
XA532	TDD	DQ		08B	(19)	01		TRST5A	
								17 08B	
XA537	TQ2	A4	07B		TR19CA	00	=		
XA537	TQ2	A4		05B	(15)	01		TT03BQ TRTD20	
								11 05B 13 06B	
					TR20BI	00	=		
XA532	TDD	EI		19A	( )	01		TB20BQ	
								40 19A	
					TR20BN	00	=		
XA532	TDD	EN		20A	( )	01		TRCP50	
								42 20A	
XA532	TDD	EP	17B		TR20BP	00	=		
XA532	TDD	EP		18A	(35)	01		TRRS4A	
								38 18A	
XA532	TDD	EQ	18B		TR20BQ	00	=		
XA532	TDD	EQ		19B	(37)	01		TRST4A	
								39 19B	
XA537	TQ2	B1	12A		TR20CA	00	=		
XA537	TQ2	B1		13A	(22)	01		TT04BQ TRTD20	
								24 13A 26 14A	
					TR21BI	00	=		
XA532	TDD	FI		16A	( )	01		TB21BQ	
								34 16A	
					TR21BN	00	=		
XA532	TDD	FN		15A	( )	01		TRCP50	
								30 15A	
XA532	TDD	FP	16B		TR21BP	00	=.		
XA532	TDD	FP		17A	(33)	01		TRRS5A	
								36 17A	
XA532	TDD	FQ	15B		TR21BQ	00	=		
XA532	TDD	FQ		14B	(31)	01		TRST5A	
								29 14B	

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS INC / LITTON INDUSTRIES

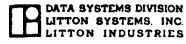DRAWING NUMBER **149016-860** UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU** **LOGIC** UNIT ASSEMBLY NO. **149016** FILE IDENT **T39CIFC6** REV. **E** DATE **09-03-82** INDEX **TR21CA** PAGE **286**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
KA537	TQ2	B2	09A	TR21CA	00	=		
KA537	TQ2	B2	10A	(14)	01	.	TT05BQ TRTD20 18 10A 20 11A	
				TR22BI	00	=		
KA532	TDD	GI	25A	( )	01		TB22BQ 54 25A	
				TR22BN	00	=		
KA532	TDD	GN	26A	( )	01		TRCP50 56 26A	
KA532	TDD	GP	25B	TR22BP	00	=		
KA532	TDD	GP	24A	(47)	01		TRRS4A 52 24A	
KA532	TDD	GQ	26B	TR22BQ	C0	=		
KA532	TDD	GQ	27B	(49)	01		TRST4A 51 27B	
KA537	TQ2	B3	10B	TR22CA	00	=		
KA537	TQ2	B3	08B	(21)	01		TT06BQ TRTD20 17 08B 19 09B	
				TR23BI	00	=		
KA532	TDD	HI	22A	( )	01		TB23BQ 48 22A	
				TR23BN	00	=		
KA532	TDD	HN	21A	( )	01		TRCP50 46 21A	
KA532	TDD	HP	24B	TR23BP	00	=		
KA532	TDD	HP	23A	(45)	01		TRRS5A 50 23A	
KA532	TDD	HQ	23B	TR23BQ	00	=		OUTPUT DATA REG BIT 23
KA532	TDD	HQ	22B	(43)	01		TRST5A 41 22B	
KA537	TQ2	B4	13B	TR23CA	00	=		
KA537	TQ2	B4	11B	(27)	01		TT07BQ TRTD20 23 11B 25 12B	
				TR24BI	00	=		
KA532	TDD	JI	32A	( )	01		TB24BQ 68 32A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC.
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX TR24BN
PAGE 287

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG- NATOR	FACTOR	COMMENT
					TR24BN	00	=		
XA532	TDD	JN	33A		( )	01		TRCP60 70 33A	
XA532	TDD	JP	31B		TR24BP	00	=		
XA532	TDD	JP	31A		(59)	01		TRRS6A · 66 31A	
XA532	TDD	JQ	32B		TR24BQ	00	=		OUTPUT DATA REG BIT 24
XA532	TDD	JQ	33B		(61)	01		TRST4A 63 33B	
XA537	TQ2	C1	18A		TR24CA	00	=		
XA537	TQ2	C1	19A		(38)	01		TT00BQ TRTD30 40 19A 42 20A	
					TR25BI	00	=		
XA532	TDD	KI	29A		( )	01		TB25BQ 62 29A	
					TR25BN	00	=		
XA532	TDD	KN	28A		( )	01		TRCP60 60 28A	
XA532	TDD	KP	30B		TR25BP	00	=		
XA532	TDD	KP	30A		(57)	01		TRRS7A 64 30A	
XA532	TDD	KQ	29B		TR25BQ	00	=		
XA532	TDD	KQ	28B		(55)	01		TRST5A 53 28B	
XA537	TQ2	C2	15A		TR25CA	00	=		
XA537	TQ2	C2	16A		(30)	01		TT01BQ TRTD30 34 16A 36 17A	
					TR26BI	00	=		
XA532	TDD	LI	38B		( )	01		TB26BQ 77 38B	
					TR26BN	00	=		
XA532	TDD	LN	39B		( )	01		TRCP60 79 39B	
XA532	TDD	LP	37A		TR26BP	00	=		
XA532	TDD	LP	37B		(76)	01		TRRS6A 75 37B	

3-2880-1

287

		DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC		UNIT ASSEMBLY NO. 149016		REV. E	INDEX TR26BQ
			UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU			FILE IDENT T39CIFC6		DATE 09-03-82	PAGE 288

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR		COMMENT
XA532	TDD	LQ	38A		TR26BQ	00	=			
XA532	TDD	LQ	39A		(78)	01		TRST4A		
								80 39A		
XA537	TQ2	C3	16B		TR26CA	00	=			
XA537	TQ2	C3	14B		(33)	01		TT02BQ TRTD30		
								29 14B 31 15B.		
					TR27BI	00	=			
XA532	TDD	MI	36A		( )	01		TB27BQ		
								71 36A		
					TR27BN	00	=			
XA532	TDD	MN	34A		( )	01		TRCP60		
								72 34A		
XA532	TDD	MP	35A		TR27BP	00	=			
XA532	TDD	MP	36B		(69)	01		TRRS7A		
								73 36B		
XA532	TDD	MQ	35B		TR27BQ	00	=			
XA532	TDD	MQ	34B		(74)	01		TRST5A		
								65 34B		
XA537	TQ2	C4	19B		TR27CA	00	=			
XA537	TQ2	C4	17B		(39)	01		TT03BQ TRTD30		
								35 17B 37 18B		
					TR28BI	00	=			
XA533	TDD	AI	06A		( )	01		TB28BQ		
								08 06A		
					TR28BN	00	=			
XA533	TDD	AN	07A		( )	01		TRCP70		
								10 07A		
XA533	TDD	AP	05B		TR28BP	00	=			
XA533	TDD	AP	05A		(11)	01		TRRS6A		
								06 05A		
XA533	TDD	AQ	06B		TR28BQ	00	=			
XA533	TDD	AQ	07B		(13)	01		TRST4A		
								15 07B		
XA537	TQ2	D1	24A		TR28CA	00	=			
XA537	TQ2	D1	25A		(52)	01		TT04BQ TRTD30		
								54 25A 56 26A		
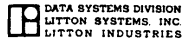
3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC.
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
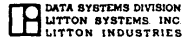UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX TR29BI
PAGE 289

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TR29BI	00	=		
XA533	TDD	BI	03B		( )	01		TB29BQ 05 03B	
					TR29BN	00	=		
XA533	TDD	BN	02B		( )	01		TRCP70 01 02B	
XA533	TDD	BP	04B		TR29BP	00	=		
XA533	TDD	BP	04A		(09)	01		TRRS7A 04 04A	
XA533	TDD	BQ	03A		TR29BQ	00	=		
XA533	TDD	BQ	02A		(07)	01		TRST5A 03 02A	
XA537	TQ2	D2	21A		TR29CA	00	=		
XA537	TQ2	D2	22A		(46)	01		TT05BQ TRTD30 48 22A 50 23A	
					TR30BI	00	=		
XA533	TDD	CI	13A		( )	01		TB30BQ 24 13A	
					TR30BN	00	=		
XA533	TDD	CN	14A		( )	01		TRCP70 26 14A	
XA533	TDD	CP	11B		TR3CBP	00	=		
XA533	TDD	CP	12A		(23)	01		TRRS6A 22 12A	
XA533	TDD	CQ	12B		TR30BQ	00	=		
XA533	TDD	CQ	13B		(25)	01		TRST4A 27 13B	
XA537	TQ2	D3	24B		TR30CA	00	=		
XA537	TQ2	D3	22B		(45)	01		TT06BQ TRTD30 41 22B 43 23B	
					TR31BI	00	=		
XA533	TDD	DI	10A		( )	01		TB31BQ 18 10A	
					TR31BN	00	=		
XA533	TDD	DN	09A		( )	01		TRCP70 14 09A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS. INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO.	149016	REV. E	INDEX	TR31BP
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	290

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA533	TDD	DP	10B		TR31BP	00	=		
XA533	TDD	DP	11A		(21)	01		TRRS7A 20 11A	
XA533	TDD	DQ	09B		TR31BQ	00	=		OUTPUT DATA REG BIT 31
XA533	TDD	DQ	08B		(19)	01		TRST5A 17 08B	
XA537	TQ2	D4	27B		TR31CA	00	=		
XA537	TQ2	D4	25B		(51)	01		TT07BQ TRTD30 47 25B 49 26B	
XA503	TS8	D1	25B		TSBZY0	00	=		CONTROLLER BUSY
XA503	TS8	D1	23B		(47)	01		TCSD0R TSNC0R TINT2A .TINT6A TXXDIR TLPTBR SPI012 SPI018 43 23B 46 21A 48 22A 49 26B 50 23A 52 24A 54 25A 56 26A	
XA509	TT3	E3	33B		TSCI1A	00	=		
XA509	TT3	E3	30B		(63)	01		TSNC2S TBUSYR TSCL3B 57 30B 59 31B 61 32B	
	TQ2	C1	18A		TSCK1B	00	=		
XA411	TQ2	C1	18A		( )	01		TSCK10 TSCL10 TSCM10 TSCN10 38 18A 30 15A 33 16B 39 19B	PHASE 1 OF 2 PHASECLOCK
XA411	TQ2	C1	18A		TSCK10	00	=		TSCK1B BUSS
XA411	TQ2	C1	19A		(38)	01		TXCP1A SPI001 40 19A 42 20A	
	TQ2	E1	31A		TSCK3B	00	=		
XA411	TQ2	E1	31A		( )	01		TSCK30 TSCL30 TSCM30 TSCN30 66 31A 60 28A 57 30B 63 33B	PHASE 3 OF 2 PHASECLOCK
XA411	TQ2	E1	31A		TSCK30	00	=		TSCK3B BUSS
XA411	TQ2	E1	32A		(66)	01		TXCP3A SPI001 68 32A 70 33A	
	TQ2	D1	24A		TSCL1B	00	=		
XA411	TQ2	D1	24A		( )	01		TSCP10 TSCQ10 TSCR10 TSCS10 52 24A 46 21A 45 24B 51 27B	
XA411	TQ2	C2	15A		TSCL10	00	=		TSCK1B BUSS
XA411	TQ2	C2	16A		(30)	01		TXCP1A SPI001 34 16A 36 17A	
	TQ2	F1	37B		TSCL3B	00	=		
XA411	TQ2	F1	37B		( )	01		TSCP30 TSCQ30 TSCR30 TSCS30 75 37B 72 34A 69 35A 80 39A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC.
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU
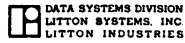
LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX TSCL30
PAGE 291

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR		COMMENT
XA411	TQ2	E2	28A		TSCL30	00	=		TSCK3B	BUSS
XA411	TQ2	E2	29A		(60)	01		TXCP3A SPI001		
								62 29A 64 30A		
XA411	TQ2	C3	16B		TSCM10	00	=		TSCK1B	BUSS
XA411	TQ2	C3	14B		(33)	01		TXCP1A SPI001		
								29 14B 31 15B		
XA411	TQ2	E3	30B		TSCM30	00	=		TSCK3B	BUSS
XA411	TQ2	E3	28B		(57)	01		TXCP3A SPI001		
								53 28B 55 29B		
XA411	TQ2	C4	19B		TSCN10	00	=		TSCK1B	BUSS
XA411	TQ2	C4	17B		(39)	01		TXCP1A SPI001		
								35 17B 37 18B		
XA411	TQ2	E4	33B		TSCN30	00	=		TSCK3B	BUSS
XA411	TQ2	E4	31B		(63)	01		TXCP3A SPI001		
								59 31B 61 32B		
XA411	TQ2	D1	24A		TSCP10	00	=		TSCL1B	BUSS
XA411	TQ2	D1	25A		(52)	01		TXCP1A SPI001		
								54 25A 56 26A		
XA411	TQ2	F1	37B		TSCP30	00	=		TSCL3B	BUSS
XA411	TQ2	F1	38B		(75)	01		TXCP3A SPI004		
								77 38B 79 39B		
XA411	TQ2	D2	21A		TSCQ10	00	=		TSCL1B	BUSS
XA411	TQ2	D2	22A		(46)	01		TXCP1A SPI001		
								48 22A 50 23A		
XA411	TQ2	F2	34A		TSCQ30	00	=		TSCL3B	BUSS
XA411	TQ2	F2	36A		(72)	01		TXCP3A SPI004		
								71 36A 73 36B		
XA411	TQ2	D3	24B		TSCR10	00	=		TSCL1B	BUSS
XA411	TQ2	D3	22B		(45)	01		TXCP1A SPI001		
								41 22B 43 23B		
XA411	TQ2	F3	35A		TSCR30	00	=		TSCL3B	BUSS
XA411	TQ2	F3	34B		(69)	01		TXCP3A SPI004		
								65 34B 74 35B		
XA411	TQ2	D4	27B		TSCS10	00	=		TSCL1B	BUSS
XA411	TQ2	D4	25B		(51)	01		TXCP1A SPI001		
								47 25B 49 26B		

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	TSCS30
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	292

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA411	TQ2	F4	39	A	TSCS30	00	=		
XA411	TQ2	F4	37	A	(80)	01		TXCP3A SPI004 76 37A 78 38A	TSCL3B BUSS
XA502	TS8	C1	17	B	TSNC0A	00	=		
XA502	TS8	C1	15	A	(35)	01		TSNC0S TSNC2R TBUSYR TLAD2S TSCL3B SPI003 SPI018 SPI012 30 15A 31 15B 34 16A 36 17A 37 18B 38 18A 40 19A 42 20A	.
XA410	TD4	D1	25	B	TSNC0R	00	=		
XA410	TD4	D1	26	B	(47)	01		TSNC0S TINT1A TINT5A TXRS1B 49 26B 52 24A 54 25A 56 26A	
XA412	TQ2	D3	24	B	TSNC0S	00	=		INPUT SYNC COUNTERBIT 0
XA412	TQ2	D3	22	B	(45)	01		TSNC0R TCSD0A 41 22B 43 23B	
XA511	TQ2	A1	05	A	TSNC1A	00	=		
XA511	TQ2	A1	06	A	(06)	01		TSNC2S TSCK3B 08 06A 10 07A	
XA506	TQ2	B1	12	A	TSNC1R	00	=		
XA506	TQ2	B1	13	A	(22)	01		TSNC1S TSNC1A 24 13A 26 14A	
XA505	TQ2	B1	12	A	TSNC1S	00	=		INPUT SYNC COUNTERBIT 1
XA505	TQ2	B1	13	A	(22)	01		TSNC1R TSNC0A 24 13A 26 14A	
XA506	TQ2	B2	09	A	TSNC2A	00	=		
XA506	TQ2	B2	10	A	(14)	01		TSNC1S TSCK1B 18 10A 20 11A	
XA506	TQ2	B3	10	B	TSNC2R	00	=		
XA506	TQ2	B3	08	B	(21)	01		TSNC2S TSNC3A 17 08B 19 09B	
XA505	TQ2	B3	10	B	TSNC2S	00	=		INPUT SYNC COUNTERBIT 2
XA505	TQ2	B3	08	B	(21)	01		TSNC2R TSNC2A 17 08B 19 09B	
XA505	TQ2	B2	09	A	TSNC3A	00	=		
XA505	TQ2	B2	10	A	(14)	01		TSNC1R TSCK1B 18 10A 20 11A	
					TSPAC1	00	=		
XA425	TDD	C1	13	A	( )	01		TSPA10 24 13A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC.
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
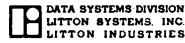FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX TSPACN
PAGE 293

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TSPACN	00	=		
XA425	TDD	CN	14	A	( )	01		TXDV1B 26 14A	
XA425	TDD	CP	11	B	TSPACP	00	=		
XA425	TDD	CP	12	A	(23)	01		TRDCAB 22 12A	
XA425	TDD	CQ	12	B	TSPACQ	00	=		SPACE FOR/REV COMMAND F/F
XA425	TDD	CQ	13	B	(25)	01		SPI007 27 13B	
					TSPAFI	00	=		
XA425	TDD	DI	10	A	( )	01		TSPA20 18 10A	
					TSPAFN	00	=		
XA425	TDD	DN	09	A	( )	01		TXDV1B 14 09A	
XA425	TDD	DP	10	B	TSPAFP	00	=		
XA425	TDD	DP	11	A	(21)	01		TRDCAB 20 11A	
XA425	TDD	DQ	09	B	TSPAFQ	00	=		SPACE FILE FOR COMMAND F/F
XA425	TDD	DQ	08	B	(19)	01		SPI006 17 08B	
XA426	TQ2	D2	21	A	TSPA10	00	=		
XA426	TQ2	D2	22	A	(46)	01		TXR090T TXR098T 48 22A 50 23A	
XA426	TQ2	C1	18	A	TSPA20	00	=		
XA426	TQ2	C1	19	A	(38)	01		TXR099T SPI007 40 19A 42 20A	
XA543	TLD	F1	37	B	TSPDCD4	00	=		SPEED DRIVER
XA543	TLD	F1	38	B	(75)	01		TSPNIS SPI029 77 38B 79 39B	
XA406	TQ2	D2	21	A	TSPIOA	00	=		
XA406	TQ2	D2	22	A	(46)	01		TSPNSO TSTP2S 48 22A 50 23A	
XA407	TQ2	D4	27	B	TSPI1A	00	=		
XA407	TQ2	D4	25	B	(51)	01		TSPNSP TSTP2S 47 25B 49 26B	

3-2080-1

DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES

DRAWING NUMBER	149016-860		
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU	LOGIC	
UNIT ASSEMBLY NO.	149016	REV. E	INDEX TSPNIR
FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE 294

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA406	TQ2	C2	15A		TSPNIR	00	=		
XA406	TQ2	C2	16A		(30)	01		TSPNIS TSPI1A 34 16A 36 17A	
XA407	TQ2	C2	15A		TSPNIS	00	=		OLD SPEED F/F (7.5OR 60IPS)
XA407	TQ2	C2	16A		(30)	01		TSPNIR TSPI0A 34 16A 36 17A	
					TSPNSI	00	=		
XA542	TDD	CI	13A		( )	01		TREW3A 24 13A	
					TSPNSN	00	=		
XA542	TDD	CN	14A		( )	01		TXDV1B 26 14A	
XA542	TDD	CP	11B		TSPNSP	00	=		
XA542	TDD	CP	12A		(23)	01		TRDCAB 22 12A	
XA542	TDD	CQ	12B		TSPNSQ	00	=		NEW SPEED
XA542	TDD	CQ	13B		(25)	01		SPI029 27 13B	
XA406	TQ2	C3	16B		TSRS0A	00	=		
XA406	TQ2	C3	14B		(33)	01		TSRS00 SPI001 29 14B 31 15B	
XA409	TT3	C3	19B		TSRS00	00	=		
XA409	TT3	C3	16B		(39)	01		TSNC2A TXRS1B SPI001 33 16B 35 17B 37 18B	
XA407	TQ2	C3	16B		TSRS1A	00	=		
XA407	TQ2	C3	14B		(33)	01		TSRS00 SPI001 29 14B 31 15B	
XA407	TQ2	E2	28A		TSTPRA	00	=		
XA407	TQ2	E2	29A		(60)	01		TSTP0S TSTP1R 62 29A 64 30A	
XA510	TT3	C1	17A		TSTP0R	00	=		
XA510	TT3	C1	18A		(36)	01		TSTP0S TSTP1A TXRS1B 38 18A 40 19A 42 20A	
XA410	TD4	E1	31B		TSTP0S	00	=		STOP DELAY BIT 0
XA410	TD4	E1	32B		(59)	01		TSTP0R TINT5A TSTP2A TSTP4A 61 32B 66 31A 68 32A 70 33A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS. INC. LITTON INDUSTRIES

DRAWING NUMBER **149016-860**
UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**

LOGIC

UNIT ASSEMBLY NO. **149016**   REV. **E**   INDEX **TSTP1A**
FILE IDENT **T39CIFC6**   DATE **09-03-82**   PAGE **295**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA408	TQ2	E1	31A		TSTP1A	00	=		
XA408	TQ2	E1	32A		(66)	01		TSTP2S TSCK3B 68 32A 70 33A	
XA408	TQ2	E2	28A		TSTP1R	00	=		
XA408	TQ2	E2	29A		(60)	01		TSTP1S TSTP0S 62 29A 64 30A	
XA407	TQ2	E1	31A		TSTP1S	00	=		STOP DELAY BIT 1
XA407	TQ2	E1	32A		(66)	01		TSTP1R TSTP6A 68 32A 70 33A	
XA409	TT3	E2	29B		TSTP2A	00	=		
XA409	TT3	E2	28B		(55)	01		TLAD3S TSNC0R TSCK3B 53 28B 60 28A 62 29A	
XA408	TQ2	F1	37B		TSTP2R	00	=		
XA408	TQ2	F1	38B		(75)	01		TSTP2S TSTR2A 77 38B 79 39B	
XA409	TT3	F2	35B		TSTP2S	00	=		STOP DELAY BIT 2
XA409	TT3	F2	34B		(74)	01		TSTP2R TSTP8A TXRS1B 65 34B 71 36A 72 34A	
XA433	TD4	F1	37A		TSTP4A	00	=		
XA433	TD4	F1	37B		(76)	01		TSNC2S TBUSYS TDSC0A TSCL3B 75 37B 77 38B 78 38A 79 39B	
XA409	TT3	E3	33B		TSTP6A	00	=		
XA409	TT3	E3	30B		(63)	01		TSTP0S TCZR00 TSCK1B 57 30B 59 31B 61 32B	
XA431	TT3	F2	35B		TSTP8A	00	=		
XA431	TT3	F2	34B		(74)	01		TSTP1S TSTP90 TSCL1B 65 34B 71 36A 72 34A	
XA408	TQ2	F3	35A		TSTP9A	00	=		
XA408	TQ2	F3	34B		(69)	01		TSPNIS T082M0 65 34B 74 35B	
XA432	TQ2	C4	19B		TSTP90	00	=		
XA432	TQ2	C4	17B		(39)	01		TSTP9A TC51BQ 35 17B 37 18B	
XA409	TT3	C2	15B		TSTRC0	00	=		
XA409	TT3	C2	14B		(31)	01		TSTP0R TSTP1R TSTP2R 29 14B 30 15A 34 16A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860				LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	TSTRRA
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU					FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	296

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA509	TT3	A3	07B		TSTRRA	00	=		
XA509	TT3	A3	04B		(15)	01		TSTR1R TSTROS TSTPOR 09 04B 11 05B 13 06B	
XA525	TD4	C2	16B		TSTROA	00	=		
XA525	TD4	C2	15A		(33)	01		TSNC2R TBUSYS TSTRCO TSCL3B 30 15A 31 15B 34 16A 36 17A	
XA409	TT3	F1	36B		TSTROR	00	=		
XA409	TT3	F1	37B		(73)	01		TSTROS TSTR1A TBUSYS 75 37B 77 38B 79 39B	
XA406	TQ2	D4	27B		TSTROS	00	=		START DELAY BIT 0
XA406	TQ2	D4	25B		(51)	01		TSTROR TSTROA 47 25B 49 26B	
XA406	TQ2	F3	35A		TSTR1A	00	=		
XA406	TQ2	F3	34B		(69)	01		TSTR2S TSCK3B 65 34B 74 35B	
XA409	TT3	B1	11A		TSTR1R	00	=		
XA409	TT3	B1	12A		(20)	01		TSTR1S TSTROS TSTPOR 22 12A 24 13A 26 14A	
XA408	TQ2	B1	12A		TSTR1S	00	=		START DELAY BIT 1
XA408	TQ2	B1	13A		(22)	01		TSTR1R TSTR2A 24 13A 26 14A	
XA410	TD4	B1	11B		TSTR2A	00	=		
XA410	TD4	B1	12A		(23)	01		TSTROS TSTPOR TCZROO TSCK1B 22 12A 24 13A 25 12B 26 14A	
XA431	TT3	F3	39A		TSTR2R	00	=		
XA431	TT3	F3	35A		(80)	01		TSTR2S TSTP6A TXRSOB 69 35A 76 37A 78 38A	
XA409	TT3	C1	17A		TSTR2S	00	=		START DELAY BIT 2
XA409	TT3	C1	18A		(36)	01		TSTR2R TSTR4A TSTR6A 38 18A 40 19A 42 20A	
XA406	TQ2	E1	31A		TSTR3A	00	=		
XA406	TQ2	E1	32A		(66)	01		TSTR1S TBOTOS 68 32A 70 33A	
XA406	TQ2	E2	28A		TSTR3R	00	=		
XA406	TQ2	E2	29A		(60)	01		TSTR3S TSTR1S 62 29A 64 30A	

3-2880-1

296

DATA SYSTEMS DIVISION **LITTON SYSTEMS, INC.** **LITTON INDUSTRIES**	DRAWING NUMBER **149016-860** UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**	**LOGIC**	UNIT ASSEMBLY NO. **149016** FILE IDENT **T39CIFC6**	REV. **E** DATE **09-03-82**	INDEX **TSTR3S** PAGE **297**		

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA407	TQ2	D1	24A		TSTR3S	00	=		START DELAY BIT 3
XA407	TQ2	D1	25A		(52)	01		TSTR3R TSTR3A 54 25A 56 26A	
XA410	TD4	C2	16B		TSTR4A	00	=		
XA410	TD4	C2	15A		(33)	01		TSTR3S TBOTOR TSTR80 TSCK1B 30 15A 31 15B 34 16A 36 17A	
XA408	TQ2	F4	39A		TSTR5A	00	=		
XA408	TQ2	F4	37A		(80)	01		T033MO TSPNIS 76 37A 78 38A	
XA410	TD4	D2	24B		TSTR6A	00	=		
XA410	TD4	D2	23B		(45)	01		TSTR1S TSTR3R TSTR60 TSCK1B 43 23B 46 21A 48 22A 50 23A	
XA407	TQ2	E4	33B		TSTR60	00	=		
XA407	TQ2	E4	31B		(63)	01		TSTR5A T066MA 59 31B 61 32B	
XA407	TQ2	D2	21A		TSTR7A	00	=		
XA407	TQ2	D2	22A		(46)	01		T200MO TWRITP 48 22A 50 23A	
XA408	TQ2	D2	21A		TSTR80	00	=		
XA408	TQ2	D2	22A		(46)	01		TSTR7A T300MA 48 22A 50 23A	
XA525	TD4	E1	31B		TSTR90	00	=		WRITE COUNT 78US
XA525	TD4	E1	32B		(59)	01		TSTR4A TSTR6A TFST4A THSPRA 61 32B 66 31A 68 32A 70 33A	
XA418	TS8	D1	25B		TSYN1A	00	=		MOTION COMMAND START
XA418	TS8	D1	23B		(47)	01		TXDV1B TXR091T TXR093T TXR096T TXR097T SPI006 SPI007 SPI003 43 23B 46 21A 48 22A 49 26B 50 23A 52 24A 54 25A 56 26A	
					TS14BI	00	=		
XA526	TDD	AI	06A		( )	01		SPI022 08 06A	
					TS14BN	00	=		
XA526	TDD	AN	07A		( )	01		SPI019 10 07A	
XA526	TDD	AP	05B		TS14BP	00	=		
XA526	TDD	AP	05A		(11)	01		TSRSOA 06 05A	

3-2880-1

297

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860		UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU		LOGIC		UNIT ASSEMBLY NO. 149016	REV. E	INDEX TS14BQ
							FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 298

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA526	TDD	AQ	06B	TS14BQ	00	=		TAPE MARK DETECTEDF/F
XA526	TDD	AQ	07B	(13)	01		TNSGIA 15 07B	
XA406	TQ2	B3	10B	TS1590	00	=		
XA406	TQ2	B3	08B	(21)	01		TCILKO SPI001 17 08B 19 09B	
				TS23BI	00	=		
XA526	TDD	BI	03B	( )	01		SPI003 05 03B	
				TS23BN	00	=		
XA526	TDD	BN	02B	( )	01		SPI008 01 02B	
XA526	TDD	BP	04B	TS23BP	00	=		
XA526	TDD	BP	04A	(09)	01		TSRS0A 04 04A	
XA526	TDD	BQ	03A	TS23BQ	00	=		COMPUTER DATA PARITY ERROR
XA526	TDD	BQ	02A	(07)	01		TS23SA 03 02A	
XA407	TQ2	F1	37B	TS23SA	00	=		
XA407	TQ2	F1	38B	(75)	01		TS23S0 SPI001 77 38B 79 39B	
XA406	TQ2	F1	37B	TS23S0	00	=		
XA406	TQ2	F1	38B	(75)	01		TXDPEA TXODEA 77 38B 79 39B	
				TS26CI	00	=		
XA526	TDD	EI	19A	( )	01		SPI022 40 19A	
				TS26CN	00	=		
XA526	TDD	EN	20A	( )	01		SPI019 42 20A	
XA526	TDD	EP	17B	TS26CP	00	=		
XA526	TDD	EP	18A	(35)	01		TSRS1A 38 18A	
XA526	TDD	EQ	18B	TS26CQ	00	=		FILE PROTECT ERROR
XA526	TDD	EQ	19B	(37)	01		TFPE1A 39 19B	
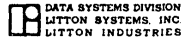
A-2880-1

		DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860				LOGIC		UNIT ASSEMBLY NO. 149016		REV. E	INDEX TS2890
			UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU						FILE IDENT T39CIFC6		DATE 09-03-82	PAGE 299

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA409	TT3	B3	13B		TS2890	00	=		
XA409	TT3	B3		10B	(27)	01		TS23BP TS30BP TS31BP 21 10B 23 11B 25 12B	
					TS29CI	00	=		
XA526	TDD	FI	16A		( )	01		SPI003 34 16A	
					TS29CN	00	=		
XA526	TDD	FN	15A		( )	01		SPI008 30 15A	
XA526	TDD	FP	16B		TS29CP	00	=		
XA526	TDD	FP	17A		(33)	01		TSRS1A 36 17A	
XA526	TDD	FQ	15B		TS29CQ	00	=		TIMING ERROR
XA526	TDD	FQ	14B		(31)	01		TS29SA 29 14B	
XA506	TQ2	A4	07B		TS29SA	00	=		
XA506	TQ2	A4	05B		(15)	01		TS29SO SPI018 11 05B 13 06B	
XA505	TQ2	A4	07B		TS29SO	00	=		
XA505	TQ2	A4	05B		(15)	01		TRTOCA TWTOCA 11 05B 13 06B	
					TS30BI	00	=		
XA526	TDD	CI	13A		( )	01		SPI022 24 13A	
					TS30BN	00	=		
XA526	TDD	CN	14A		( )	01		SPI019 26 14A	
XA526	TDD	CP	11B		TS30BP	00	=		
XA526	TDD	CP	12A		(23)	01		TSRSOA 22 12A	
XA526	TDD	CQ	12B		TS30BQ	00	=		LONGITUDINAL PARITY ERROR
XA526	TDD	CQ	13B		(25)	01		TNSGJA 27 13B	
					TS30CI	00	=		
XA526	TDD	GI	25A		( )	01		SPI022 54 25A	
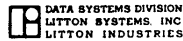
3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX TS30CN
PAGE 300

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TS30CN	00	=		
XA526	TDD	GN	26A		( )	01		SPI019 56 26A	
XA526	TDD	GP	25B		TS30CP	00	=		
XA526	TDD	GP	24A		(47)	01		TSRS1A 52 24A	
XA526	TDD	GQ	26B		TS30CQ	00	=		NO DATA ERROR
XA526	TDD	GQ	27B		(49)	01		TNDASA 51 27B	
					TS31BI	00	=		
XA526	TDD	DI	10A		( )	01		SPI003 18 10A	
					TS31BN	00	=		
XA526	TDD	DN	09A		( )	01		SPI008 14 09A	
XA526	TDD	DP	10B		TS31BP	00	=		
XA526	TDD	DP	11A		(21)	01		TSRS0A 20 11A	
XA526	TDD	DQ	09B		TS31BQ	00	=		LATERAL PARITY ERROR
XA526	TDD	DQ	08B		(19)	01		TRTDPA 17 08B	
					TS31CI	00	=		
XA526	TDD	HI	22A		( )	01		SPI003 48 22A	
					TS31CN	00	=		
XA526	TDD	HN	21A		( )	01		SPI008 46 21A	
XA526	TDD	HP	24B		TS31CP	00	=		
XA526	TDD	HP	23A		(45)	01		TSRS1A 50 23A	
XA526	TDD	HQ	23B		TS31CQ	00	=		MOTOR ERROR
XA526	TDD	HQ	22B		(43)	01		TRWS4A 41 22B	
XA432	TQ2	B3	10B		TTASLA	00	=		
XA432	TQ2	B3	08B		(21)	01		TTAS10 TXDV1B 17 08B 19 09B	

3-2880-1

300

DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC / LITTON INDUSTRIES
DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU
LOGIC
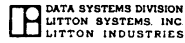UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX TTASLI
PAGE 301

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TTASLI	00	=		
XA539	TDD	BI	03B		( )	01		TTAS10 05 03B	
					TTASLN	00	=		
XA539	TDD	BN	02B		( )	01		TXDV1B 01 02B	
XA539	TDD	BP	04B		TTASLP	00	=		
XA539	TDD	BP	04A		(09)	01		TRDCAB 04 04A	
XA539	TDD	BQ	03A		TTASLQ	00	=		LOAD EOB COUNTER COMMAND F/F
XA539	TDD	BQ	02A		(07)	01		SPI026 03 02A	
XA426	TQ2	A4	07B		TTAS10	00	=		
XA426	TQ2	A4	05B		(15)	01		TXR093T SPI007 11 05B 13 06B	
XA517	TQ2	B1	12A		TTCP00	00	=		
XA517	TQ2	B1	13A		(22)	01		TRDBCA SPI021 24 13A 26 14A	
XA517	TQ2	B2	09A		TTCP10	00	=		
XA517	TQ2	B2	10A		(14)	01		TRDBCA SPI021 18 10A 20 11A	
XA510	TT3	F3	39A		TTMDCA	00	=		
XA510	TT3	F3	35A		(80)	01		SPI003 TKCOOP TKC01Q 69 35A 76 37A 78 38A	
XA505	TQ2	C2	15A		TTMDCO	00	=		
XA505	TQ2	C2	16A		(30)	01		TTMDCA SPI018 34 16A 36 17A	
XA524	TT3	F3	39A		TTRSCA	00	=		
XA524	TT3	F3	35A		(80)	01		TKA01P TKA02Q TSCL3B 69 35A 76 37A 78 38A	
XA517	TQ2	B3	10B		TTRS0A	00	=		
XA517	TQ2	B3	08B		(21)	01		TTRS00 SPI021 17 08B 19 09B	
XA518	TT3	B3	13B		TTRS00	00	=		
XA518	TT3	B3	10B		(27)	01		TTRSCA TRENOS TWRIEP 21 10B 23 11B 25 12B	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX TTRS1A
PAGE 302

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA517	TQ2	B4	13B		TTRS1A	00	=		
XA517	TQ2	B4	11B		(27)	01		TTRS00 SPI021 23 11B 25 12B	
XA410	TD4	A2	04B		TTSC00	00	=		
XA410	TD4	A2	02B		(09)	01		TTSC1A TTSC2A TTSC3A TTSC4A 01 02B 04 04A 05 03B 07 03A	
XA408	TQ2	A1	05A		TTSC1A	00	=		
XA408	TQ2	A1	06A		(06)	01		TTS1BQ TTS1BS 08 06A 10 07A	
XA408	TQ2	A2	02B		TTSC2A	00	=		
XA408	TQ2	A2	04A		(01)	01		TTS2BQ TTS2BS 04 04A 05 03B	
XA408	TQ2	A3	04B		TTSC3A	00	=		
XA408	TQ2	A3	02A		(09)	01		TTS3BQ TTS3BS 03 02A 07 03A	
XA408	TQ2	A4	07B		TTSC4A	00	=		
XA408	TQ2	A4	05B		(15)	01		TTS4BQ TTS4BS 11 05B 13 06B	
XA407	TQ2	B4	13B		TTSC90	00	=		
XA407	TQ2	B4	11B		(27)	01		TS1P2R SPI001 23 11B 25 12B	
					TTS1BI	00	=		
XA541	TDD	A1	06A		( )	01		TTS190 08 06A	
					TTS1BN	00	=		
XA541	TDD	AN	07A		( )	01		TXDV1B 10 07A	
XA541	TDD	AP	05B		TTS1BP	00	=		
XA541	TDD	AP	05A		(11)	01		TXRS0B 06 05A	
XA541	TDD	AQ	06B		TTS1BQ	00	=		TRANSPORT 1 SELECTED NEW
XA541	TDD	AQ	07B		(13)	01		SPI026 15 07B	
XA406	TQ2	A1	05A		TTS1BR	00	=		
XA406	TQ2	A1	06A		(06)	01		TTS1BS TTS11A 08 06A 10 07A	

3-2880-1

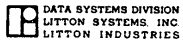| | DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES | DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6 | REV. E INDEX TTS1BS
DATE 09-03-82 PAGE 303 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA407	TQ2	A1	05A		TTS1BS	00	=		
XA407	TQ2	A1	06A		(06)	01		TTS1BR TTS10A 08 06A 10 07A	TRANSPORT 1 SELECTED OLD
XA408	TQ2	B2	09A		TTS10A	00	=		
XA408	TQ2	B2	10A		(14)	01		· TTS1BQ TTSC90 18 10A 20 11A	
XA408	TQ2	B3	10B		TTS11A	00	=		
XA408	TQ2	B3	08B		(21)	01		TTS1BP TTSC90 17 08B 19 09B	
XA536	TQ2	F1	37B		TTS19A	00	=		
XA536	TQ2	F1	38B		(75)	01		TXR0CR TXR1CR 77 38B 79 39B	
XA537	TQ2	F1	37B		TTS190	00	=		
XA537	TQ2	F1	38B		(75)	01		TTS19A SPI025 77 38B 79 39B	
					TTS2BI	00	=		
XA541	TDD	BI	03B		( )	01		TTS290 05 03B	
					TTS2BN	00	=		
XA541	TDD	BN	02B		( )	01		TXDV1B 01 02B	
XA541	TDD	BP	04B		TTS2BP	00	=		
XA541	TDD	BP	04A		(09)	01		TXRS0B 04 04A	
XA541	TDD	BQ	03A		TTS2BQ	00	=		
XA541	TDD	BQ	02A		(07)	01		SPI024 03 02A	TRANSPORT 2 SELECTED NEW
XA406	TQ2	A2	02B		TTS2BR	00	=		
XA406	TQ2	A2	04A		(01)	01		TTS2BS TTS21A 04 04A 05 03B	
XA407	TQ2	A2	02B		TTS2BS	00	=		
XA407	TQ2	A2	04A		(01)	01		TTS2BR TTS20A 04 04A 05 03B	TRANSPORT 2 SELECTED OLD
XA408	TQ2	B4	13B		TTS20A	00	=		
XA408	TQ2	B4	11B		(27)	01		TTS2BQ TTSC90 23 11B 25 12B	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS. INC.
LITTON INDUSTRIES

DRAWING NUMBER	149016-860	
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU	

LOGIC

UNIT ASSEMBLY NO.	149016	REV. E
FILE IDENT	T39CIFC6	INDEX TTS21A
		DATE 09-03-82 PAGE 304

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
KA408	TQ2	C1	18A		TTS21A	00	=		
KA408	TQ2	C1	19A		(38)	01		TTS2BP TTSC90 40 19A 42 20A	
KA536	TQ2	F2	34A		TTS29A	00	=		
KA536	TQ2	F2	36A		(72)	01		TXROCR TXRICS 71 36A 73 36B	
KA537	TQ2	F2	34A		TTS290	00	=		
KA537	TQ2	F2	36A		(72)	01		TTS29A SPI025 71 36A 73 36B	
					TTS3BI	00	=		
KA542	TDD	AI	06A		( )	01		TTS390 08 06A	
					TTS3BN	00	=		
KA542	TDD	AN	07A		( )	01		TXDV1B 10 07A	
KA542	TDD	AP	05B		TTS3BP	00	=		
KA542	TDD	AP	05A		(11)	01		TXRSOB 06 05A	
KA542	TDD	AQ	06B		TTS3BQ	00	=		TRANSPORT 3 SELECTED NEW
KA542	TDD	AQ	07B		(13)	01		SPI029 15 07B	
KA406	TQ2	B1	12A		TTS3BR	00	=		
KA406	TQ2	B1	13A		(22)	01		TTS3BS TTS31A 24 13A 26 14A	
KA407	TQ2	B1	12A		TTS3BS	00	=		TRANSPORT 3 SELECTED OLD
KA407	TQ2	B1	13A		(22)	01		TTS3BR TTS30A 24 13A 26 14A	
KA408	TQ2	C2	15A		TTS30A	00	=		
KA408	TQ2	C2	16A		(30)	01		TTS3BQ TTSC90 34 16A 36 17A	
KA408	TQ2	C3	16B		TTS31A	00	=		
KA408	TQ2	C3	14B		(33)	01		TTS3BP TTSC90 29 14B 31 15B	
KA536	TQ2	F3	35A		TTS39A	00	=		
KA536	TQ2	F3	34B		(69)	01		TXROCS TXR1CR 65 34B 74 35B	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	TTS390
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	305

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA537	TQ2	F3	35A		TTS390	00	=		
XA537	TQ2	F3	34B		(69)	01		TTS39A SPI025 65 34B 74 35B	
					TTS4BI	00	=		
XA542	TDD	BI	03B		( )	01		TTS490 05 03B	
					TTS4BN	00	=		
XA542	TDD	BN	02B		( )	01		TXDV1B 01 02B	
XA542	TDD	BP	04B		TTS4BP	00	=		
XA542	TDD	BP	04A		(09)	01		TXRSOB 04 04A	
XA542	TDD	BQ	03A		TTS4BQ	00	=		TRANSPORT 4 SELECTED NEW
XA542	TDD	BQ	02A		(07)	01		SPI028 03 02A	
XA406	TQ2	B2	09A		TTS4BR	00	=		
XA406	TQ2	B2	10A		(14)	01		TTS4BS TTS41A 18 10A 20 11A	
XA407	TQ2	B2	09A		TTS4BS	00	=		TRANSPORT 4 SELECTED OLD
XA407	TQ2	B2	10A		(14)	01		TTS4BR TTS40A 18 10A 20 11A	
XA408	TQ2	C4	19B		TTS40A	00	=		
XA408	TQ2	C4	17B		(39)	01		TTS4BQ TTSC90 35 17B 37 18B	
XA408	TQ2	D3	24B		TTS41A	00	=		
XA408	TQ2	D3	22B		(45)	01		TTS4BP TTSC90 41 22B 43 23B	
XA536	TQ2	F4	39A		TTS49A	00	=		
XA536	TQ2	F4	37A		(80)	01		TXROCS TXRICS 76 37A 78 38A	
XA537	TQ2	F4	39A		TTS490	00	=		
XA537	TQ2	F4	37A		(80)	01		TTS49A SPI025 76 37A 78 38A	
					TTOPBI	00	=		
XA542	TDD	DI	10A		( )	01		TRDBPOX 18 10A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX TTOPBN
PAGE 306

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					TTOPBN	00	=		
XA542	TDD	DN	09A		( )	01		TTCPG0 14 09A	
XA542	TDD	DP	10B		TTOPBP	00	=		
XA542	TDD	DP	11A		(21)	01		TTRSOA 20 11A	
XA438	PAR	F1	39A		TTOPBPR	00	=		READ REGISTER PARITY CHECKER
XA438	PAR	F1	35B		(80)	01		TT00BQ TT01BQ TT02BQ TT03BQ TT04BQ TT05BQ TT06BQ TT07BQ 71 35B 73 36B 75 37B 77 38B 76 37A 74 36A 72 35A 70 34A	
XA438	PAR	F1	39B		( )	02	+	TTOPBQ 79 39B	
XA542	TDD	DQ	09B		TTOPBQ	00	=		READ REG BIT P
XA542	TDD	DQ	08B		(19)	01		SPI028 17 08B	
					TT00BI	00	=		
XA542	TDD	EI	19A		( )	01		TRDBG0X 40 19A	
					TT00BN	00	=		
XA542	TDD	EN	20A		( )	01		TTCP00 42 20A	
XA542	TDD	EP	17B		TT00BP	00	=		
XA542	TDD	EP	18A		(35)	01		TTRSOA 38 18A	
XA542	TDD	EQ	18B		TT00BQ	00	=		READ REG BIT 0
XA542	TDD	EQ	19B		(37)	01		SPI029 39 19B	
					TT01BI	00	=		
XA542	TDD	FI	16A		( )	01		TRDB10X 34 16A	
					TT01BN	00	=		
XA542	TDD	FN	15A		( )	01		TTCP00 30 15A	
XA542	TDD	FP	16B		TT01BP	00	=		
XA542	TDD	FP	17A		(33)	01		TTRSOA 36 17A	
XA542	TDD	FQ	15B		TT01BQ	00	=		READ REG BIT 1
XA542	TDD	FQ	14B		(31)	01		SPI028 29 14B	
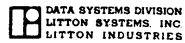
3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX TT02BI
PAGE 307

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					TT02BI	00	=		
XA542	TDD	GI	25A		( )	01		TRDB20X 54 25A	
					TT02BN	00	=		
XA542	TDD	GN	26A		( )	01		TTCP00 56 26A	
XA542	TDD	GP	25B		TT02BP	00	=		
XA542	TDD	GP	24A		(47)	01		TTRSOA 52 24A	
XA542	TDD	GQ	26B		TT02BQ	00	=		READ REG BIT 2
XA542	TDD	GQ	27B		(49)	01		SPI029 51 27B	
					TT03BI	00	=		
XA542	TDD	HI	22A		( )	01		TRDB30X 48 22A	
					TT03BN	00	=		
XA542	TDD	HN	21A		( )	01		TTCP00 46 21A	
XA542	TDD	HP	24B		TT03BP	00	=		
XA542	TDD	HP	23A		(45)	01		TTRSOA 50 23A	
XA542	TDD	HQ	23B		TT03BQ	00	=		READ REG BIT 3
XA542	TDD	HQ	22B		(43)	01		SPI028 41 22B	
					TT04BI	00	=		
XA542	TDD	JI	32A		( )	01		TRDB40X 68 32A	
					TT04BN	00	=		
XA542	TDD	JN	33A		( )	01		TTCP10 70 33A	
XA542	TDD	JP	31B		TT04BP	00	=		
XA542	TDD	JP	31A		(59)	01		TTRS1A 66 31A	
XA542	TDD	JQ	32B		TT04BQ	00	=		READ REG BIT 4
XA542	TDD	JQ	33B		(61)	01		SPI029 63 33B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860		UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU		LOGIC		UNIT ASSEMBLY NO. 149016		REV. E	INDEX TT05BI
								FILE IDENT T39CIFC6		DATE 09-03-82	PAGE 308

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TT05BI	00	=		
XA542	TDD	KI	29A		( )	01		TRDB50X 62 29A	
					TT05BN	00	=		
XA542	TDD	KN	28A		( )	01		TTCP10 60 28A	
XA542	TDD	KP	30B		TT05BP	00	=		
XA542	TDD	KP	30A		(57)	01		TTRS1A 64 30A	
XA542	TDD	KQ	29B		TT05BQ	00	=		READ REG BIT 5
XA542	TDD	KQ	28B		(55)	01		SPI028 53 28B	
					TT06BI	00	=		
XA542	TDD	LI	38B		( )	01		TRDB60X 77 38B	
					TT06BN	00	=		
XA542	TDD	LN	39B		( )	01		TTCP10 79 39B	
XA542	TDD	LP	37A		TT06BP	00	=		
XA542	TDD	LP	37B		(76)	01		TTRS1A 75 37B	
XA542	TDD	LQ	38A		TT06BQ	00	=		READ REG BIT 6
XA542	TDD	LQ	39A		(78)	01		SPI029 80 39A	
					TT07BI	00	=		
XA542	TDD	MI	36A		( )	01		TRDB70X 71 36A	
					TT07BN	00	=		
XA542	TDD	MN	34A		( )	01		TTCP10 72 34A	
XA542	TDD	MP	35A		TT07BP	00	=		
XA542	TDD	MP	36B		(69)	01		TTRS1A 73 36B	
XA542	TDD	MQ	35B		TT07BQ	00	=		READ REG BIT 7
XA542	TDD	MQ	34B		(74)	01		SPI028 65 34B	

3-2880-1

| DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX TWDBCA PAGE 309 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA509	TT3	C3	19B		TWDBCA	00	=		
XA509	TT3	C3	16B		(39)	01		TWDDEPR TC71BQ TC72BP 33 16B 35 17B 37 18B	
XA543	TLD	C2	15A		TWDBCD4	00	=		WRITE STROBE DRIVER
XA543	TLD	C2	16A		(30)	01		TWDBCO TWRI2S 34 16A 36 17A	
XA511	TQ2	D3	24B		TWDBCO	00	=		
XA511	TQ2	D3	22B		(45)	01		TWDBCA SPIO20 41 22B 43 23B	
XA543	TLD	C3	16B		TWDBED4	00	=		WRITE ENABLE DRIVER
XA543	TLD	C3	14B		(33)	01		TWEN30 SPIO29 29 14B 31 15B	
					TWDBPB4	00	=		
XA543	TLD	C1	18A		( )	01		TWDBPD 38 18A	WRITE DATA P DRIVERS
XA443	TLD	D4	27B		( )	02	+	UWLCPD 51 27B	
XA543	TLD	C1	18A		TWDBPD	00	=		TWDBPB4 BUSS
XA543	TLD	C1	19A		(38)	01		TWO7BPR TWDDFO 40 19A 42 20A	
XA517	TQ2	D4	27B		TWDBSA	00	=		
XA517	TQ2	D4	25B		(51)	01		TFPR1CX SPIO21 47 25B 49 26B	
					TWDBOB4	00	=		
XA543	TLD	A1	05A		( )	01		TWDBOD 06 05A	WRITE DATA 0 DRIVERS
XA443	TLD	E1	31A		( )	02	+	UWLCOD 66 31A	
XA543	TLD	A1	05A		TWDBOD	00	=		TWDBOB4 BUSS
XA543	TLD	A1	06A		(06)	01		TWOODTA TWDDEO 08 06A 10 07A	
					TWDB1B4	00	=		
XA543	TLD	A2	02B		( )	01		TWDB1D 01 02B	
XA443	TLD	E2	28A		( )	02	+	UWLC1D 60 28A	
XA543	TLD	A2	02B		TWDB1D	00	=		WRITE DATA 1 DRIVERS
XA543	TLD	A2	04A		(01)	01		TWOODTB TWDDEO 04 04A 05 03B	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	TWDB2B4
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	310

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TWDB2B4	00	=		
XA543	TLD	A3	04B		( )	01		TWDB2D 09 04B	WRITE DATA 2 DRIVERS
XA443	TLD	E3	30B		( )	02	+	UWLC2D 57 30B	
XA543	TLD	A3	04B		TWDB2D	00	=		TWDB2B4 BUSS
XA543	TLD	A3	02A		(09)	01		TWOODTC TWDDE0 03 02A 07 03A	
					TWDB3B4	00	=		
XA543	TLD	A4	07B		( )	01		TWDB3D 15 07B	WRITE DATA 3 DRIVERS
XA443	TLD	E4	33B		( )	02	+	UWLC3D 63 33B	
XA543	TLD	A4	07B		TWDB3D	00	=		TWDB3B4 BUSS
XA543	TLD	A4	05B		(15)	01		TWOODTD TWDDE0 11 05B 13 06B	
					TWDB4B4	00	=		
XA543	TLD	B1	12A		( )	01		TWDB4D 22 12A	WRITE DATA 4 DRIVERS
XA443	TLD	F1	37B		( )	02	+	UWLC4D 75 37B	
XA543	TLD	B1	12A		TWDB4D	00	=		TWDB4B4 BUSS
XA543	TLD	B1	13A		(22)	01		TWO4DTA TWDDF0 24 13A 26 14A	
					TWDB5B4	00	=		
XA543	TLD	B2	09A		( )	01		TWDB5D 14 09A	WRITE DATA 5 DRIVERS
XA443	TLD	F2	34A		( )	02	+	UWLC5D 72 34A	
XA543	TLD	B2	09A		TWDB5D	00	=		TWDB5B4 BUSS
XA543	TLD	B2	10A		(14)	01		TWO4DTB TWDDF0 18 10A 20 11A	
					TWDB6B4	00	=		
XA543	TLD	B3	10B		( )	01		TWDB6D 21 10B	
XA443	TLD	F3	35A		( )	02	+	UWLC6D 69 35A	
XA543	TLD	B3	10B		TWDB6D	00	=		WRITE DATA 6 DRIVERS
XA543	TLD	B3	08B		(21)	01		TWO4DTC TWDDF0 17 08B 19 09B	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS. INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860		UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU		LOGIC		UNIT ASSEMBLY NO. 149016	REV. E	INDEX TWDB7B4

FILE IDENT T39CIFC6   DATE 09-03-82   PAGE 311

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TWDB7B4	00	=		
XA543	TLD	B4	13B		( )	01		TWDB7D 27 13B	WRITE DATA 7 DRIVERS
XA443	TLD	F4	39A		( )	02	+	UWLC7D 80 39A	
XA543	TLD	B4	13B		TWDB7D	00	=		TWDB7B4 BUSS
XA543	TLD	B4	11B		(27)	01		TWO4DTD TWDOFO 23 11B 25 12B	
XA518	TT3	C2	15B		TWDDEA	00	=		
XA518	TT3	C2	14B		(31)	01		TWDDEPR TC70BQ TC73BP 29 14B 30 15A 34 16A	
XA438	PAR	E1	33A		TWDDEPR	00	=		WRITE STROBE GENERATED
XA438	PAR	E1	29B		(68)	01		SPI013 SPI014 SPI015 TC83BQ TC84BQ SPI012 SPI003 SPI011 55 29B 59 30B 61 31B 63 32B 64 31A 62 30A 60 29A 57 28A	
XA438	PAR	E1	33B		( )	02	+	SPI008 65 33B	
XA511	TQ2	F1	37B		TWDDEO	00	=		
XA511	TQ2	F1	38B		(75)	01		TWDDEA SPI020 77 38B 79 39B	
XA511	TQ2	F2	34A		TWDDFO	00	=		
XA511	TQ2	F2	36A		(72)	01		TWDDEA SPI020 71 36A 73 36B	
XA506	TQ2	C1	18A		TWENCA	00	=		
XA506	TQ2	C1	19A		(38)	01		TWENCO SPI018 40 19A 42 20A	
XA516	TQ2	F1	37B		TWENCO	00	=		
XA516	TQ2	F1	38B		(75)	01		TWRITP TWRIEP 77 38B 79 39B	
XA515	TD4	B1	11B		TWENOA	00	=		
XA515	TD4	B1	12A		(23)	01		TWENCO TFPR10X TSNC1S TSCL1B 22 12A 24 13A 25 12B 26 14A	
XA507	TS8	A1	05B		TWENOR	00	=		
XA507	TS8	A1	02B		(11)	01		TWENOS TWEN1A TFPR10X TRDY10X TXRS1B SPI018 SPI003 SPI019 01 02B 04 04A 05 03B 06 05A 07 03A 08 06A 10 07A 13 06B	
XA512	TQ2	A1	05A		TWENOS	00	=		WRITE ENABLE F/F
XA512	TQ2	A1	06A		(06)	01		TWENOR TWENOA 08 06A 10 07A	

3-2880-1

DATA SYSTEMS DIVISION **LITTON SYSTEMS, INC** **LITTON INDUSTRIES**	**DRAWING NUMBER** **UNIT ASSEMBLY NAME**	149016-860 CARD CAGE ASSY,A,IFCU	**LOGIC**	**UNIT ASSEMBLY NO.** 149016 **FILE IDENT** T39CIFC6	**REV.** E **DATE** 09-03-82	**INDEX** TWEN1A **PAGE** 312

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND / OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA524	TT3	C2	15B	TWEN1A	00	=		
XA524	TT3	C2	14B	(31)	01		TWENCA TSNC1S TSCL1B 29 14B 30 15A 34 16A	
XA524	TT3	C3	19B	TWEN2A	00	=		
XA524	TT3	C3	16B	(39)	01		TWENCO TFPR1OX TSNC1S 33 16B 35 17B 37 18B	
XA520	TQ2	E1	31A	TWEN3O	00	=		
XA520	TQ2	E1	32A	(66)	01		TWEN2A TWENOR 68 32A 70 33A	
XA543	TLD	C4	19B	TWLRCD4	00	=		
XA543	TLD	C4	17B	(39)	01		TWLRCO SPI029 35 17B 37 18B	
XA525	TD4	F1	37A	TWLRCO	00	=		
XA525	TD4	F1	37B	(76)	01		TWENOS TSNC2R TLCC3R SPI013 75 37B 77 38B 78 38A 79 39B	
XA511	TQ2	F3	35A	TWPE00	00	=		
XA511	TQ2	F3	34B	(69)	01		TRTOPA TNSGJA 65 34B 74 35B	
XA522	TQ2	D4	27B	TWRGRA	00	=		
XA522	TQ2	D4	25B	(51)	01		TWRGOS TWRG1R 47 25B 49 26B	
XA516	TQ2	E3	30B	TWRGOA	00	=		
XA516	TQ2	E3	28B	(57)	01		TWRGOO TSTR90 53 28B 55 29B	
XA515	TD4	D1	25B	TWRGOR	00	=		
XA515	TD4	D1	26B	(47)	01		TWRGOS TWRG1A UINT7A TXRS1B 49 26B 52 24A 54 25A 56 26A	
XA517	TQ2	E3	30B	TWRGOS	00	=		WRITE DELAY BIT 0
XA517	TQ2	E3	28B	(57)	01		TWRGOR TWRGOA 53 28B 55 29B	
XA524	TT3	D3	27B	TWRG00	00	=		
XA524	TT3	D3	24B	(51)	01		TWRITP TWRIEP THISPP 45 24B 47 25B 49 26B	
XA516	TQ2	F3	35A	TWRG1A	00	=		
XA516	TQ2	F3	34B	(69)	01		TWRG2S TSCL3B 65 34B 74 35B	
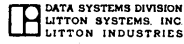
3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER	149016-860		UNIT ASSEMBLY NO.	149016	REV. E	INDEX TWRG1R
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU	LOGIC	FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE 313

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA516	TQ2	E4	33B		TWRG1R	00	=		
XA516	TQ2	E4	31B		(63)	01		TWRG1S TWRG0S	
								59 31B 61 32B	
XA517	TQ2	E4	33B		TWRG1S	00	=		WRITE DELAY BIT 1
XA517	TQ2	E4	31B		(63)	01		TWRG1R TWRG2A	
								59 31B 61 32B	
XA515	TD4	E1	31B		TWRG2A	00	=		
XA515	TD4	E1	32B		(59)	01		TWRG0S TCZR00 TCZR70 TSCL1B	
								61 32B 66 31A 68 32A 70 33A	
XA518	TT3	F1	36B		TWRG2R	00	=		
XA518	TT3	F1	37B		(73)	01		TWRG2S TWRG3A TXRS1B	
								75 37B 77 38B 79 39B	
XA410	TD4	F2	35A		TWRG2S	00	=		WRITE DELAY BIT 2
XA410	TD4	F2	36A		(69)	01		TWRG2R TWRG4A TWRG6A TWRG8A	
								71 36A 72 34A 73 36B 74 35B	
XA517	TQ2	F1	37B		TWRG3A	00	=		
XA517	TQ2	F1	38B		(75)	01		TWRG1R TSCL1B	
								77 38B 79 39B	
XA515	TD4	C2	16B		TWRG4A	00	=		
XA515	TD4	C2	15A		(33)	01		THISPQ TWRG1S TO80U0 TSCL1B	
								30 15A 31 15B 34 16A 36 17A	
XA515	TD4	C1	17B		TWRG6A	00	=		
XA515	TD4	C1	18B		(35)	01		TWRIT0 TWRG1S TC40BP TSCL1B	
								37 18B 38 18A 40 19A 42 20A	
XA524	TT3	D2	23B		TWRG8A	00	=		
XA524	TT3	D2	22B		(43)	01		TWRG1S TREG00 TSCL1B	
								41 22B 46 21A 48 22A	
					TWRIEI	00	=		
XA425	TDD	FI	16A		( )	01		TWRT20	
								34 16A	
					TWRIEN	00	=		
XA425	TDD	FN	15A		( )	01		TXDV1B	
								30 15A	
XA425	TDD	FP	16B		TWRIEP	00	=		
XA425	TDD	FP	17A		(33)	01		TRDCAB	
								36 17A	
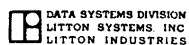
3-28180-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860		LOGIC	UNIT ASSEMBLY NO. 149016	REV. E	INDEX TWRIEQ
	UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU			FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 314

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA425	TDD	FQ	15B	TWRIEQ	00	=		ERASE COMMAND F/F
XA425	TDD	FQ	14B	(31)	01		SPI006 29 14B	
XA505	TQ2	E1	31A	TWRIRA	00	=	·	
XA505	TQ2	E1	32A	(66)	01		TWRI1S TWRI2R 68 32A 70 33A	
XA425	TDD	HI	22A	TWRITI	00	=		
XA425	TDD	HI	22A	( )	01		TWRTIO 48 22A	
XA425	TDD	HN	21A	TWRITN	00	=		
XA425	TDD	HN	21A	( )	01		TXDVIB 46 21A	
XA425	TDD	HP	24B	TWRITP	00	=		
XA425	TDD	HP	23A	(45)	01		TRDCAB 50 23A	
XA425	TDD	HQ	23B	TWRITQ	00	=		WRITE COMMAND F/F
XA425	TDD	HQ	22B	(43)	01		SPI006 41 22B	
XA428	TQ2	D2	21A	TWRITO	00	=		
XA428	TQ2	D2	22A	(46)	01		TWRITP SPI010 48 22A 50 23A	
XA507	TS8	B1	11B	TWRIOR	00	=		
XA507	TS8	B1	09A	(23)	01		TWRIOS TREN1S TWRI1A SPI020 TXDPEA TXRS1B SPI019 SPI018 14 09A 18 10A 19 09B 20 11A 22 12A 24 13A 25 12B 26 14A	
XA512	TQ2	B1	12A	TWRIOS	00	=		WRITE COUNTER BIT 0
XA512	TQ2	B1	13A	(22)	01		TWRIOR TWRG6A 24 13A 26 14A	
XA504	TS8	E1	31B	TWRI1A	00	=		
XA504	TS8	E1	29B	(59)	01		TLCCOS TWRG2R TMWCBP TWRI1R TSCK1B SPI003 SPI012 SPI018 55 29B 60 28A 61 32B 62 29A 64 30A 66 31A 68 32A 70 33A	
XA510	TT3	D1	23A	TWRI1R	00	=		
XA510	TT3	D1	24A	(50)	01		TWRI1S TWRI3A TWRIOS 52 24A 54 25A 56 26A	
XA511	TQ2	D4	27B	TWRI1S	00	=		WRITE COUNTER BIT 1
XA511	TQ2	D4	25B	(51)	01		TWRI1R TWRI2A 47 25B 49 26B	
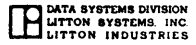
3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC.
LITTON INDUSTRIES

DRAWING NUMBER **149016-860**
UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**

LOGIC

UNIT ASSEMBLY NO. **149016**
FILE IDENT **T39CIFC6**
REV. **E**
DATE **09-03-82**
INDEX **TWRI2A**
PAGE **315**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA508	TD4	E1	31B		TWRI2A	00	=		
XA508	TD4	E1	32B		(59)	01		TWRIOS TWRI2R TWRI3R TSCL3B 61 32B 66 31A 68 32A 70 33A	
XA512	TQ2	E1	31A		TWRI2R	00	=		
XA512	TQ2	E1	32A		(66)	01		TWRI2S TWRI1S 68 32A 70 33A	
XA511	TQ2	E1	31A		TWRI2S	00	=		WRITE COUNTER BIT 2
XA511	TQ2	E1	32A		(66)	01		TWRI2R TWRI4A 68 32A 70 33A	
XA512	TQ2	D4	27B		TWRI3A	00	=		
XA512	TQ2	D4	25B		(51)	01		TWRI3S TSCK3B 47 25B 49 26B	
XA510	TT3	D3	27B		TWRI3R	00	=		
XA510	TT3	D3	24B		(51)	01		TWRI3S TWRI5A TXRS2B 45 24B 47 25B 49 26B	
XA505	TQ2	D3	24B		TWRI3S	00	=		WRITE COUNTER BIT 3
XA505	TQ2	D3	22B		(45)	01		TWRI3R TWRI6A 41 22B 43 23B	
XA518	TT3	C3	19B		TWRI4A	00	=		
XA518	TT3	C3	16B		(39)	01		TWRI1S TCZR70 TSCL1B 33 16B 35 17B 37 18B	
XA511	TQ2	E2	28A		TWRI5A	00	=		
XA511	TQ2	E2	29A		(60)	01		TWRI2R TSCK1B 62 29A 64 30A	
XA510	TT3	D2	23B		TWRI6A	00	=		
XA510	TT3	D2	22B		(43)	01		TWRI2S T198U0 TSCK1B 41 22B 46 21A 48 22A	
					TWRQCI	00	=		
XA425	TDD	LI	38B		( )	01		SPI007 77 38B	
					.QCN	00	=		
XA425	TDD	LN	39B		( )	01		TWRQ4P 79 39B	
XA425	TDD	LP	37A		TWRQCP	00	=		
XA425	TDD	LP	37B		(76)	01		TWRQ5A 75 37B	
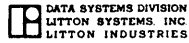
3-2880-1

	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO.	149016	REV. E	INDEX	TWRQCQ
DATA SYSTEMS DIVISION LITTON SYSTEMS. INC. LITTON INDUSTRIES	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	316

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA425	TDD	LQ	38A		TWRQCQ	00	=		WRITE REQUEST DELAY CONTROL
XA425	TDD	LQ	39A		(78)	01		TXRS2B 80 39A	
XA507	TS8	C1	17B		TWRQ0A	00	=		
XA507	TS8	C1	15A		(35)	01		TWRITQ TLCCOR TWRQ3P TWRQ4Q TSCL3B TWRQ0P TWRQ1P TWRQ2Q 30 15A 31 15B 34 16A 36 17A 37 18B 39 18A 40 19A 42 20A	
					TWRQ0I	00	=		
XA514	TDD	AI	06A		( )	01		TWRQ1P 08 06A	
					TWRQ0N	00	=		
XA514	TDD	AN	07A		( )	01		TSCK1B 10 07A	
XA514	TDD	AP	05B		TWRQ0P	00	=		
XA514	TDD	AP	05A		(11)	01		TWRQCP 06 05A	
XA514	TDD	AQ	06B		TWRQ0Q	00	=		WRITE REQUEST DELAY BIT 0
XA514	TDD	AQ	07B		(13)	01		SPI020 15 07B	
XA510	TT3	A1	04A		TWRQ0R	00	=		
XA510	TT3	A1	05A		(04)	01		TWRQ0S TWRQ1A TXRS1B 06 05A 08 06A 10 07A	
XA509	TT3	A1	04A		TWRQ0S	00	=		
XA509	TT3	A1	05A		(04)	01		TWRQ0R TWRQ6A TWRQ0A 06 05A 08 06A 10 07A	
XA511	TQ2	B3	10B		TWRQ1A	00	=		
XA511	TQ2	B3	08B		(21)	01		TWRQ1S TSCK3B 17 08B 19 09B	
					TWRQ1I	00	=		
XA513	TDD	AI	06A		( )	01		TWRQ0Q 08 06A	
					TWRQ1N	00	=		
XA513	TDD	AN	07A		( )	01		TSCK1B 10 07A	
XA513	TDD	AP	05B		TWRQ1P	00	=		
XA513	TDD	AP	05A		(11)	01		TWRQCP 06 05A	
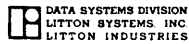
3-2880-1

316

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER 149016-860				LOGIC	UNIT ASSEMBLY NO. 149016	REV. E	INDEX TWRQ1Q
	UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU					FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 317

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA513	TDD	AQ	06B		TWRQ1Q	00	=		
XA513	TDD	AQ	07B		(13)	01		SPI020 15 07B	
XA510	TT3	A2	03A		TWRQ1R	00	=		
XA510	TT3	A2	02B		(07)	01		TWRQ1S TWRQ3A TXRS1B 01 02B 03 02A 05 03B	
XA516	TQ2	E1	31A		TWRQ1S	00	=		
XA516	TQ2	E1	32A		(66)	01		TWRQ1R TWRQ2A 68 32A 70 33A	
XA512	TQ2	B2	09A		TWRQ2A	00	=		
XA512	TQ2	B2	10A		(14)	01		TWRQ0S TSCL1B 18 10A 20 11A	
					TWRQ2I	00	=		
XA514	TDD	LI	38B		( )	01		TWRQ9A 77 38B	
					TWRQ2N	00	=		
XA514	TDD	LN	39B		( )	01		TWRQ1P 79 39B	
XA514	TDD	LP	37A		TWRQ2P	00	=		
XA514	TDD	LP	37B		(76)	01		TWRQCP 75 37B	
XA514	TDD	LQ	38A		TWRQ2Q	00	=		
XA514	TDD	LQ	39A		(78)	01		SPI019 80 39A	
XA510	TT3	C2	15B		TWRQ2R	00	=		
XA510	TT3	C2	14B		(31)	01		TWRQ2S TWRQ5A TMRS0A 29 14B 30 15A 34 16A	
XA511	TQ2	C1	18A		TWRQ2S	00	=		
XA511	TQ2	C1	19A		(38)	01		TWRQ2R TXED3A 40 19A 42 20A	
XA512	TQ2	B3	10B		TWRQ3A	00	=		
XA512	TQ2	B3	08B		(21)	01		TWRQ0R TSCL1B 17 08B 19 09B	
					TWRQ3I	00	=		
XA513	TDD	BI	03B		( )	01		TWRQ4P 05 03B	

3-2880-1

| | | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | DRAWING NUMBER / UNIT ASSEMBLY NAME | 149016-860 CARD CAGE ASSY,A,IFCU | LOGIC | | UNIT ASSEMBLY NO. 149016 / FILE IDENT T39CIFC6 | REV. E / DATE 09-03-82 | INDEX TWRQ3N / PAGE 318 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					TWRQ3N	00	=		
XA513	TDD	BN		02B	( )	01		TWRQ2P 01 02B	
XA513	TDD	BP		04B	TWRQ3P	00	=		
XA513	TDD	BP		04A	(09.)	01		TWRQCP 04 04A	
XA513	TDD	BQ		03A	TWRQ3Q	00	=		
XA513	TDD	BQ		02A	(07)	01		SPIO19 03 02A	
XA510	TT3	C3		19B	TWRQ3R	00	=		
XA510	TT3	C3		16B	(39)	01		TWRQ3S TWRQ7A TMRSOA 33 16B 35 17B 37 18B	
XA512	TQ2	C1		18A	TWRQ3S	00	=		
XA512	TQ2	C1		19A	(38)	01		TWRQ3R TWRQ4A 40 19A 42 20A	
XA510	TT3	A3		07B	TWRQ4A	00	=		
XA510	TT3	A3		04B	(15)	01		TWRQ2S TMWCBP TSCK1B 09 04B 11 05B 13 06B	
					TWRQ4I	00	=		
XA436	TDD	FI		16A	( )	01		TWRQ3Q 34 16A	
					TWRQ4N	00	=		
XA436	TDD	FN		15A	( )	01		TWRQ2P 30 15A	
XA436	TDD	FP		16B	TWRQ4P	00	=		
XA436	TDD	FP		17A	(33)	01		TWRQCP 36 17A	
XA436	TDD	FQ		15B	TWRQ4Q	00	=		WRITE REQUEST DELAY BIT 4
XA436	TDD	FQ		14B	(31)	01		SPIO11 29 14B	
XA509	TT3	A2		03A	TWRQ5A	00	=		
XA509	TT3	A2		02B	(07)	01		TWRQ3S TSCK3B SPIO20 01 02B 03 02A 05 03B	
XA511	TQ2	B4		13B	TWRQ6A	00	=		
XA511	TQ2	B4		11B	(27)	01		TWRITQ TSTR90 23 11B 25 12B	
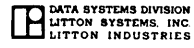
3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC. / LITTON INDUSTRIES
DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU
LOGIC
UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX TWRQ7A
PAGE 319

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA511	TQ2	C2	15A		TWRQ7A	00	=		
XA511	TQ2	C2	16A		(30)	01		TWRQ2R TSCL1B 34 16A 36 17A	
XA505	TQ2	F1	37B		TWRQ9A	00	=		
XA505	TQ2	F1	38B		(75)	01		TWRQ2Q SPI018 77 38B 79 39B	
XA426	TQ2	D4	27B		TWRT10	00	=		
XA426	TQ2	D4	25B		(51)	01		TXRAF7T TXRAF5T 47 25B 49 26B	
XA426	TQ2	C4	19B		TWRT20	00	=		
XA426	TQ2	C4	17B		(39)	01		TXRAF6T SPI007 35 17B 37 18B	
XA426	TQ2	C3	16B		TWRT30	00	=		
XA426	TQ2	C3	14B		(33)	01		TXRAF5T SPI007 29 14B 31 15B	
XA518	TT3	A1	04A		TWRT6A	00	=		
XA518	TT3	A1	05A		(04)	01		TWRT30 TXR2CS TXDV1B 06 05A 08 06A 10 07A	
XA518	TT3	A2	03A		TWRT7A	00	=		
XA518	TT3	A2	02B		(07)	01		TWRT30 TXR3CS TXDV1B 01 02B 03 02A 05 03B	
					TWTSTI	00	=		
XA425	TDD	GI	25A		( )	01		TWRT30 54 25A	
					TWTSTN	00	=		
XA425	TDD	GN	26A		( )	01		TXDV1B 56 26A	
XA425	TDD	GP	25B		TWTSTP	00	=		
XA425	TDD	GP	24A		(47)	01		TRDCAB 52 24A	
XA425	TDD	GQ	26B		TWTSTQ	00	=		WRITE TEST COMMANDE/F
XA425	TDD	GQ	27B		(49)	01		SPI007 51 27B	
XA521	TS8	D1	25B		TWTOCA	00	=		WRITE COMMAND IOU TIMEOUT
XA521	TS8	D1	23B		(47)	01		TWRITQ TXONLO TLCCOR TMWCBP TM02BP TM03BQ TM04BP TSCL3B 43 23B 46 21A 48 22A 49 26B 50 23A 52 24A 54 25A 56 26A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS. INC.
LITTON INDUSTRIES

DRAWING NUMBER: 149016-860
UNIT ASSEMBLY NAME: CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT: T39CIFC6
REV. E
DATE 09-03-82
INDEX TWO0DTA
PAGE 320

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA423	MUX	D1	27B		TWO0DTA	00	=		WRITE DATA BIT 0 MULTIPLEXER
XA423	MUX	D1	25B		(55)	01		TWO1DTA TWO2DTA TWRI2R TC90BP 51 25B 53 26B 52 25A 49 24B	
XA423	MUX	D2	31B		TWO0DTB	00	=		
XA423	MUX	D2	29B		(61)	01		TWO1DTB TWO2DTB 57 29B 59 30B	
XA423	MUX	D3	28A		TWO0DTC	00	=		
XA423	MUX	D3	26A		(60)	01		TWO1DTC TWO2DTC 54 26A 56 28B	
XA423	MUX	D4	31A		TWO0DTD	00	=		
XA423	MUX	D4	29A		(63)	01		TWO1DTD TWO2DTD 62 29A 64 30A	
XA421	MUX	E1	34B		TWO1DTA	00	=		
XA421	MUX	E1	32A		(73)	01		TR00BQ TR08BQ TXGN6A TC84BP 69 32A 71 33B 68 33A 66 32B	
XA421	MUX	E2	37B		TWO1DTB	00	=		
XA421	MUX	E2	35B		(79)	01		TR01BQ TR09BQ 75 35B 77 36B	
XA421	MUX	E3	36A		TWO1DTC	00	=		
XA421	MUX	E3	34A		(74)	01		TR02BQ TR10BQ 70 34A 72 35A	
XA421	MUX	E4	38B		TWO1DTD	00	=		
XA421	MUX	E4	37A		(80)	01		TR03BQ TR11BQ 76 37A 78 38A	
XA422	MUX	E1	34B		TWO2DTA	00	=		
XA422	MUX	E1	32A		(73)	01		TR16BQ TR24BQ TXGN6A TC84BP 69 32A 71 33B 68 33A 66 32B	
XA422	MUX	E2	37B		TWO2DTB	00	=		
XA422	MUX	E2	35B		(79)	01		TR17BQ TR25BQ 75 35B 77 36B	
XA422	MUX	E3	36A		TWO2DTC	00	=		
XA422	MUX	E3	34A		(74)	01		TR18BQ TR26BQ 70 34A 72 35A	
XA422	MUX	E4	38B		TWO2DTD	00	=		
XA422	MUX	E4	37A		(80)	01		TR19BQ TR27BQ 76 37A 78 38A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER 149016-860		UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU	LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX TW04DTA PAGE 321

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA422	MUX	D1	27B		TW04DTA	00	=		WRITE DATA BIT 4 MULTIPLEXER
XA422	MUX	D1	25B		(55)	01		TW05DTA TW06DTA TWRI2R TC90BP 51 25B 53 26B 52 25A 49 24B	
XA422	MUX	D2	31B		TW04DTB	00	=		
XA422	MUX	D2	29B		(61)	01		TW05DTB TW06DTB 57 29B 59 30B	
XA422	MUX	D3	28A		TW04DTC	00	=		
XA422	MUX	D3	26A		(60)	01		TW05DTC TW06DTC 54 26A 56 28B	
XA422	MUX	D4	31A		TW04DTD	00	=		
XA422	MUX	D4	29A		(63)	01		TW05DTD TW06DTD 62 29A 64 30A	
XA423	MUX	E1	34B		TW05DTA	00	=		
XA423	MUX	E1	32A		(73)	01		TR04BQ TR12BQ TXGN6A TC84BP 69 32A 71 33B 68 33A 66 32B	
XA423	MUX	E2	37B		TW05DTB	00	=		
XA423	MUX	E2	35B		(79)	01		TR05BQ TR13BQ 75 35B 77 36B	
XA423	MUX	E3	36A		TW05DTC	00	=		
XA423	MUX	E3	34A		(74)	01		TR06BQ TR14BQ 70 34A 72 35A	
XA423	MUX	E4	38B		TW05DTD	00	=		
XA423	MUX	E4	37A		(80)	01		TR07BQ TR15BQ 76 37A 78 38A	
XA424	MUX	E1	34B		TW06DTA	00	=		
XA424	MUX	E1	32A		(73)	01		TR20BQ TR28BQ TXGN6A TC84BP 69 32A 71 33B 68 33A 66 32B	
XA424	MUX	E2	37B		TW06DTB	00	=		
XA424	MUX	E2	35B		(79)	01		TR21BQ TR29BQ 75 35B 77 36B	
XA424	MUX	E3	36A		TW06DTC	00	=		
XA424	MUX	E3	34A		(74)	01		TR22BQ TR30BQ 70 34A 72 35A	
XA424	MUX	E4	38B		TW06DTD	00	=		
XA424	MUX	E4	37A		(80)	01		TR23BQ TR31BQ 76 37A 78 38A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS. INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX TW07BPR
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU			FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE 322

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR								COMMENT
XA438	PAR	C1	20A		TW07BPR	00	=								WRITE DATA	PARITY GENERATOR
XA438	PAR	C1	15B		(42)	01		TW00DTA 31 15B	TW00DTB 33 16B	TW00DTC 35 17B	TW00DTD 37 18B	TW04DTA 38 18A	TW04DTB 36 17A	TW04DTC 34 16A	TW04DTD 30 15A
XA438	PAR	C1	19B		( )	02	+	TWRI2R 39 19B							
					TXACMB4	00	=								
XA444	TLD	C2	15A		( )	01		TXACMD 30 15A							
XA443	TLD	C2	15A		( )	02	+	TXBCMD 30 15A							
XA444	TLD	C2	15A		TXACMD	00	=								TXACMB4	BUSS
XA444	TLD	C2	16A		(30)	01		TXAIFO 34 16A	TXACMOX 36 17A						
XA446	DCF	C5	31B		TXACMDX	00	=								TACMAB BUSS	
XA446	DCF	C5	29A		(60)	01		TXAOEA 52 29A							
XA446	DCF	C6	31A		TXACMOX	00	=									
XA446	DCF	C6	30A		(57)	01		TXGN1A 54 30A							
XA441	TQ2	E4	33B		TXADEA	00	=									
XA441	TQ2	E4	31B		(63)	01		TXADE04 59 31B	SPI017 61 32B						
XA441	TQ2	E3	30B		TXADR0	00	=								I/O ADDRESS FOR THIS CONTRLER	
XA441	TQ2	E3	28B		(57)	01		TXAD0A 53 28B	TXAD1A 55 29B						
XA439	TQ2	F3	35A		TXAD0A	00	=								ADDRESS 0	DECODE
XA439	TQ2	F3	34B		(69)	01		TXR2CS 65 34B	TXADE04 74 35B						
XA439	TQ2	F4	39A		TXAD1A	00	=								ADDRESS 1	DECODE
XA439	TQ2	F4	37A		(80)	01		TXR3CS 76 37A	TXADEA 78 38A						
					TXAENB4	00	=								
XA444	TLD	C3	16B		( )	01		TXAEND 33 16B							
XA443	TLD	C3	16B		( )	02	+	TXBEND 33 16B							
XA444	TLD	C3	16B		TXAEND	00	=								TXAENB4	BUSS
XA444	TLD	C3	14B		(33)	01		TXAIFO 29 14B	TXAENOX 31 15B						
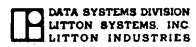
3-2880-1

DATA SYSTEMS DIVISION **LITTON SYSTEMS, INC** **LITTON INDUSTRIES**	**DRAWING NUMBER** 149016-860 **UNIT ASSEMBLY NAME** CARD CAGE ASSY,A,IFCU				**LOGIC**	**UNIT ASSEMBLY NO.** 149016 **FILE IDENT** T39CIFC6	**REV.** E **INDEX** TXAENDX **DATE** 09-03-82 **PAGE** 323

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA446	DCF	C7	25A	TXAENDX	00	=		TAENAB BUSS
XA446	DCF	C7	29A	(43)	01		TXAOEA 52 29A	
XA446	DCF	C8	26A	TXAENOX	00	=		
XA446	DCF	C8	28A	(48)	01		TXGN1A 50 28A	
XA440	TQ2	F1	37B	TXAIEA	00	=		PORT A INPUT ENABLE
XA440	TQ2	F1	38B	(75)	01		TXASLOX TXXDRA 77 38B 79 39B	
XA441	TQ2	F1	37B	TXAIEO	00	=		
XA441	TQ2	F1	38B	(75)	01		TXAIEA SPIO17 77 38B 79 39B	
XA441	TQ2	F2	34A	TXAIFO	00	=		
XA441	TQ2	F2	36A	(72)	01		TXAIEA SPIO17 71 36A 73 36B	
XA446	DCF	C3	30B	TXAINDX	00	=		TAINAB BUSS
XA446	DCF	C3	29A	(55)	01		TXAOEA 52 29A	
XA446	DCF	C4	29B	TXAINOX	00	=		
XA446	DCF	C4	28B	(56)	01		TXDBIO 51 28B	
				TXAPCB4	00	=		
XA444	TLD	C1	18A	( )	01		TXAPCD 38 18A	
XA443	TLD	C1	18A	( )	02	+	TXBPCD 38 18A	
XA444	TLD	C1	18A	TXAPCD	00	=		TXAPCB4 BUSS
XA444	TLD	C1	19A	(38)	01		TXAIFO TXAPCOX 40 19A 42 20A	
XA446	DCF	C1	25B	TXAPCDX	00	=		TAOPAB BUSS
XA446	DCF	C1	29A	(46)	01		TXAOEA 52 29A	
XA446	DCF	C2	26B	TXAPCOX	00	=		
XA446	DCF	C2	27B	(47)	01		TXDSBPR 49 27B	
XA433	TD4	B1	11B	TXARQA	00	=		
XA433	TD4	B1	12A	(23)	01		TXASLOX TXINHR DEVINH TXXROQ 22 12A 24 13A 25 12B 26 14A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES		DRAWING NUMBER	149016-860			LOGIC		UNIT ASSEMBLY NO. 149016	REV. E INDEX TXARQ0
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU					FILE IDENT T39CIFC6	DATE 09-03-82 PAGE 324

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA440	TQ2	F3	35A	TXARQ0	00	=		
XA440	TQ2	F3	34B	(69)	01		TXARQA SPI017 65 34B 74 35B	
XA431	TT3	A1	04A	TXARSA	00	=		PORT A RESET
XA431	TT3	A1	05A	(04)	01		TXACMOX TXAENOX TXASLOX 06 05A 08 06A 10 07A	
XA444	TLD	D1	24A	TXAROD1	00	=		
XA444	TLD	D1	25A	(52)	01		TXADE04 TXARQ0 54 25A 56 26A	
XA444	TLD	D2	21A	TXAR1D1	00	=		
XA444	TLD	D2	22A	(46)	01		TXADEA TXARQ0 48 22A 50 23A	
XA441	TQ2	E1	31A	TXASLA	00	=		
XA441	TQ2	E1	32A	(66)	01		TXASLOX SPI017 68 32A 70 33A	
XA446	DCF	D5	38B	TXASLDX4	00	=		PORT A SELECT DRI/RCVR
XA446	DCF	D5	36A	(80)	01		SPI018 72 36A	
XA446	DCF	D6	38A	TXASLOX	00	=		
XA446	DCF	D6	37A	(76)	01		SPI013 74 37A	
XA445	DCF	D5	38B	TXASTDX4	00	=		PORT A STATUS DRI/RCVR
XA445	DCF	D5	36A	(80)	01		TXGN1A 72 36A	
XA445	DCF	D6	38A	TXASTOX	00	=		
XA445	DCF	D6	37A	(76)	01		TXASLOX 74 37A	
				TXAOCB4	00	=		
XA444	TLD	A1	05A	( )	01		TXAOCD 06 05A	
XA443	TLD	A1	05A	( )	02	+	TXBOCD 06 05A	
XA444	TLD	A1	05A	TXAOCD	00	=		TXAOCB4 BUSS
XA444	TLD	A1	06A	(06)	01		TXAIE0 TXAOCOX 08 06A 10 07A	
XA446	DCF	A1	02B	TXAOCDX	00	=		TAOOAB BUSS
XA446	DCF	A1	05A	(07)	01		TXAOEA 06 05A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC.
LITTON INDUSTRIES

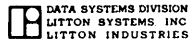DRAWING NUMBER: 149016-860
UNIT ASSEMBLY NAME: CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT: T39CIFC6
REV. E
DATE: 09-03-82
INDEX: TXAOCOX
PAGE: 325

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA446	DCF	A2	03B		TXAOCOX	00	=		
XA446	DCF	A2	04B		(09)	01		TXS031U 11 04B	
XA433	TD4	A1	05B		TXAOEA	00	=		PORT A OUTPUT ENABLE
XA433	TD4	A1	05A		(11)	01		TXASLOX 06 05A TXINHR 08 06A DEVINH 10 07A TXXCSO 13 06B	
					TXA1CB4	00	=		
XA444	TLD	A2	02B		( )	01		TXA1CD 01 02B	
XA443	TLD	A2	02B		( )	02	+	TXB1CD 01 02B	
XA444	TLD	A2	02B		TXA1CD	00	=		TXA1CB4 BUSS
XA444	TLD	A2	04A		(01)	01		TXAIEO 04 04A TXA1COX 05 03B	
XA446	DCF	A3	07B		TXA1CDX	00	=		TAO1AB BUSS
XA446	DCF	A3	05A		(17)	01		TXAOEA 06 05A	
XA446	DCF	A4	06B		TXA1COX	00	=		
XA446	DCF	A4	05B		(15)	01		TXS032U 13 05B	
					TXA2CB4	00	=		
XA444	TLD	A3	04B		( )	01		TXA2CD 09 04B	
XA443	TLD	A3	04B		( )	02	+	TXB2CD 09 04B	
XA444	TLD	A3	04B		TXA2CD	00	=		TXA2CB4 BUSS
XA444	TLD	A3	02A		(09)	01		TXAIEO 03 02A TXA2COX 07 03A	
XA446	DCF	A5	08B		TXA2CDX	00	=		TAO2AB BUSS
XA446	DCF	A5	05A		(14)	01		TXAOEA 06 05A	
XA446	DCF	A6	07A		TXA2COX	00	=		
XA446	DCF	A6	06A		(10)	01		TXS033U 08 06A	
					TXA3CB4	00	=		
XA444	TLD	A4	07B		( )	01		TXA3CD 15 07B	
XA443	TLD	A4	07B		( )	02	+	TXB3CD 15 07B	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
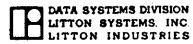UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX TXA3CD
PAGE 326

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA444	TLD	A4	07B		TXA3CD	00	=		TXA3CB4 BUSS
XA444	TLD	A4	05B		(15)	01		TXA1E0 TXA3COX 11 05B 13 06B	
XA446	DCF	A7	02A		TXA3CDX	00	=		TA03AB BUSS
XA446	DCF	A7	05A		(01)	01		TXA0EA 06 05A	
XA446	DCF	A8	03A		TXA3COX	00	=		
XA446	DCF	A8	04A		(03)	01		TXS034U 04 04A	
					TXA4CB4	00	=		
XA444	TLD	B1	12A		( )	01		TXA4CD 22 12A	
XA443	TLD	B1	12A		( )	02	+	TXB4CD 22 12A	
XA444	TLD	B1	12A		TXA4CD	00	=		TXA4CB4 BUSS
XA444	TLD	B1	13A		(22)	01		TXA1E0 TXA4COX 24 13A 26 14A	
XA446	DCF	B1	10B		TXA4CDX	00	=		TA04AB BUSS
XA446	DCF	B1	13A		(27)	01		TXA0EA 36 13A	
XA446	DCF	B2	11B		TXA4COX	00	=		
XA446	DCF	B2	12B		(29)	01		TXS471U 31 12B	
					TXA5CB4	00	=		
XA444	TLD	B2	09A		( )	01		TXA5CD 14 09A	
XA443	TLD	B2	09A		( )	02	+	TXB5CD 14 09A	
XA444	TLD	B2	09A		TXA5CD	00	=		TXA5CB4 BUSS
XA444	TLD	B2	10A		(14)	01		TXA1E0 TXA5COX 18 10A 20 11A	
XA446	DCF	B3	15B		TXA5CDX	00	=		TA05AB BUSS
XA446	DCF	B3	13A		(37)	01		TXA0EA 36 13A	
XA446	DCF	B4	14B		TXA5COX	00	=		
XA446	DCF	B4	13B		(35)	01		TXS472U 33 13B	
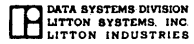
3-2880-1

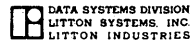|	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU	LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX TXA6CB4 PAGE 327

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					TXA6CB4	00	=		
XA444	TLD	B3	10B		( )	01		TXA6CD 21 10B	
XA443	TLD	B3	10B		( )	02	+	TXB6CD 21 10B	
XA444	TLD	B3	10B		TXA6CD	00	=		TXA6CB4 BUSS
XA444	TLD	B3	08B		(21)	01		TXAIEO TXA6COX 17 08B 19 09B	
XA446	DCF	B5	16A		TXA6CDX	00	=		TAO6AB BUSS
XA446	DCF	B5	13A		(41)	01		TXAOEA 36 13A	
XA446	DCF	B6	15A		TXA6COX	00	=		
XA446	DCF	B6	14A		(40)	01		TXS473U 38 14A	
					TXA7CB4	00	=		
XA444	TLD	B4	13B		( )	01		TXA7CD 27 13B	
XA443	TLD	B4	13B		( )	02	+	TXB7CD 27 13B	
XA444	TLD	B4	13B		TXA7CD	00	=		TXA7CB4 BUSS
XA444	TLD	B4	11B		(27)	01		TXAIEO TXA7COX 23 11B 25 12B	
XA446	DCF	B7	10A		TXA7CDX	00	=		TAO7AB BUSS
XA446	DCF	B7	13A		(23)	01		TXAOEA 36 13A	
XA446	DCF	B8	11A		TXA7COX	00	=		
XA446	DCF	B8	12A		(30)	01		TXS474U 34 12A	
XA443	TLD	C2	15A		TXBCMD	00	=		TXACMB4 BUSS
XA443	TLD	C2	16A		(30)	01		TXBIFO TXBCMOX 34 16A 36 17A	
XA445	DCF	C5	31B		TXBCMDX	00	=		TACMBB BUSS
XA445	DCF	C5	29A		(60)	01		TXBOEA 52 29A	
XA445	DCF	C6	31A		TXBCMOX	00	=		
XA445	DCF	C6	30A		(57)	01		TXGN1A 54 30A	

3-2860-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC. / LITTON INDUSTRIES

DRAWING NUMBER **149016-860** — CARD CAGE ASSY,A,IFCU — UNIT ASSEMBLY NAME

LOGIC — UNIT ASSEMBLY NO. **149016** — FILE IDENT **T39CIFC6** — REV. **E** — DATE **09-03-82** — INDEX **TXBEND** — PAGE **328**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS (AND/OR)	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA443	TLD	C3	16B	TXBEND	00	=		TXAENB4 BUSS
XA443	TLD	C3	14B	(33)	01		TXBIFO TXBENOX 29 14B 31 15B	
XA445	DCF	C7	25A	TXBENDX	00	=		TAENBB BUSS
XA445	DCF	C7	29A	(43)	01		TXBOEA 52 29A	
XA445	DCF	C8	26A	TXBENOX	00	=		
XA445	DCF	C8	28A	(48)	01		TXGN1A 50 28A	
XA440	TQ2	F2	34A	TXBIEA	00	=		PORT B INPUT ENABLE
XA440	TQ2	F2	36A	(72)	01		TXBSLOX TXXDRA 71 36A 73 36B	
XA441	TQ2	F3	35A	TXBIEO	00	=		
XA441	TQ2	F3	34B	(69)	01		TXBIEA SPIO17 65 34B 74 35B	
XA441	TQ2	F4	39A	TXBIFO	00	=		
XA441	TQ2	F4	37A	(80)	01		TXBIEA SPIO17 76 37A 78 38A	
XA445	DCF	C3	30B	TXBINDX	00	=		TAINBB BUSS
XA445	DCF	C3	29A	(55)	01		TXBOEA 52 29A	
XA445	DCF	C4	29B	TXBINOX	00	=		
XA445	DCF	C4	28B	(56)	01		TXDBIO 51 28B	
XA443	TLD	C1	18A	TXBPCD	00	=		TXAPCB4 BUSS
XA443	TLD	C1	19A	(38)	01		TXBIFO TXBPCOX 40 19A 42 20A	
XA445	DCF	C1	25B	TXBPCDX	00	=		TAOPBB BUSS
XA445	DCF	C1	29A	(46)	01		TXBOEA 52 29A	
XA445	DCF	C2	26B	TXBPCOX	00	=		
XA445	DCF	C2	27B	(47)	01		TXDSBPR 49 27B	
XA433	TD4	B2	10B	TXBRQA	00	=		
XA433	TD4	B2	09A	(21)	01		TXBSLOX TXINHR DEVINH TXXROQ 14 09A 18 10A 19 09B 20 11A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER UNIT ASSEMBLY NAME	149016-860 CARD CAGE ASSY,A,IFCU			LOGIC		UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6		REV. E DATE 09-03-82		INDEX TXBRQO PAGE 329	

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG- NATOR	FACTOR	COMMENT
XA440	TQ2	F4	39A		TXBRQO	00	=		
XA440	TQ2	F4	37A		(80)	01		TXBRQA SPI017 76 37A 78 38A	
XA431	TT3	A2	03A		TXBRSA	00	=		PORT B RESET
XA431	TT3	A2	02B		(07)	01		TXBCMOX TXBENOX TXBSLOX 01 02B 03 02A 05 03B	
XA444	TLD	D3	24B		TXBROD1	00	=		
XA444	TLD	D3	22B		(45)	01		TXADE04 TXBRQO 41 22B 43 23B	
XA444	TLD	D4	27B		TXBR1D1	00	=		
XA444	TLD	D4	25B		(51)	01		TXADEA TXBRQO 47 25B 49 26B	
XA441	TQ2	E2	28A		TXBSLA	00	=		
XA441	TQ2	E2	29A		(60)	01		TXBSLOX SPI017 62 29A 64 30A	
XA446	DCF	D7	33A		TXBSLDX	00	=		PORT B SELECT DRI/RCVR
XA446	DCF	D7	36A		(61)	01		SPI018 72 36A	
XA446	DCF	D8	34A		TXBSLOX	00	=		
XA446	DCF	D8	35A		(68)	01		SPI015 70 35A	
XA445	DCF	D7	33A		TXBSTDX4	00	=		PORT B STATUS DRI/RCVR
XA445	DCF	D7	36A		(61)	01		TXGN1A 72 36A	
XA445	DCF	D8	34A		TXBSTOX	00	=		
XA445	DCF	D8	35A		(68)	01		TXBSLOX 70 35A	
XA443	TLD	A1	05A		TXBOCD	00	=		TXAOCB4 BUSS
XA443	TLD	A1	06A		(06)	01		TXBIEO TXBOCOX 08 06A 10 07A	
XA445	DCF	A1	02B		TXBOCDX	00	=	.	TAOOBB BUSS
XA445	DCF	A1	05A		(07)	01		TXBOEA 06 05A	
XA445	DCF	A2	03B		TXBOCOX	00	=		
XA445	DCF	A2	04B		(09)	01		TXS031U 11 04B	

3-2880-1

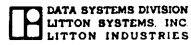| | DATA SYSTEMS DIVISION LITTON SYSTEMS INC LITTON INDUSTRIES | DRAWING NUMBER UNIT ASSEMBLY NAME | 149016-860 CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX TXB0EA PAGE 330 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG- NATOR	FACTOR	COMMENT
XA433	TD4	A2	04B		TXB0EA	00	=		PORT B OUTPUT ENABLE
XA433	TD4	A2	02B		(09)	01		TXBSLOX TXINHR DEVINH TXXCSO 01 02B 04 04A 05 03B 07 03A	.
XA443	TLD	A2	02B		TXB1CD	00	=		TXA1CB4 BUSS
XA443	TLD	A2	04A		(01)	01		TXB1EO TXB1COX 04 04A 05 03B	
XA445	DCF	A3	07B		TXB1CDX	00	=		TA01BB BUSS
XA445	DCF	A3	05A		(17)	01		TXB0EA 06 05A	
XA445	DCF	A4	06B		TXB1COX	00	=		
XA445	DCF	A4	05B		(15)	01		TXS032U 13 05B	
XA443	TLD	A3	04B		TXB2CD	00	=		TXA2CB4 BUSS
XA443	TLD	A3	02A		(09)	01		TXB1EO TXB2COX 03 02A 07 .03A	
XA445	DCF	A5	08B		TXB2CDX	00	=		TA02BB BUSS
XA445	DCF	A5	05A		(14)	01		TXB0EA 06 05A	
XA445	DCF	A6	07A		TXB2COX	00	=		
XA445	DCF	A6	06A		(10)	01		TXS033U 08 06A	
XA443	TLD	A4	07B		TXB3CD	00	=		TXA3CB4 BUSS
XA443	TLD	A4	05B		(15)	01		TXB1EO TXB3COX 11 05B 13 06B	
XA445	DCF	A7	02A		TXB3CDX	00	=		TA03BB BUSS
XA445	DCF	A7	05A		(01)	01		TXB0EA 06 05A	
XA445	DCF	A8	03A		TXB3COX	00	=		
XA445	DCF	A8	04A		(03)	01		TXS034U 04 04A	
XA443	TLD	B1	12A		TXB4CD	00	=		TXA4CB4 BUSS
XA443	TLD	B1	13A		(22)	01		TXB1EO TXB4COX 24 13A 26 14A	
XA445	DCF	B1	10B		TXB4CDX	00	=		TA04BB BUSS
XA445	DCF	B1	13A		(27)	01		TXB0EA 36 13A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS. INC. LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016 REV. E INDEX TXB4COX
FILE IDENT T39CIFC6 DATE 09-03-82 PAGE 331

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA445	DCF	B2	11B		TXB4COX	00	=		
XA445	DCF	B2	12B		(29)	01		TXS471U 31 12B	
XA443	TLD	B2	09A		TXB5CD	00	=		TXA5CB4 BUSS
XA443	TLD	B2	10A		(14)	01		TXBIEO TXB5COX 18 10A 20 11A	
XA445	DCF	B3	15B		TXB5CDX	00	=		TAO5BB BUSS
XA445	DCF	B3	13A		(37)	01		TXBOEA 36 13A	
XA445	DCF	B4	14B		TXB5COX	00	=		
XA445	DCF	B4	13B		(35)	01		TXS472U 33 13B	
XA443	TLD	B3	10B		TXB6CD	00	=		TXA6CB4 BUSS
XA443	TLD	B3	08B		(21)	01		TXBIEO TXB6COX 17 08B 19 09B	
XA445	DCF	B5	16A		TXB6CDX	00	=		TAO6BB BUSS
XA445	DCF	B5	13A		(41)	01		TXBOEA 36 13A	
XA445	DCF	B6	15A		TXB6COX	00	=		
XA445	DCF	B6	14A		(40)	01		TXS473U 38 14A	
XA443	TLD	B4	13B		TXB7CD	00	=		TXA7CB4 BUSS
XA443	TLD	B4	11B		(27)	01		TXBIEO TXB7COX 23 11B 25 12B	
XA445	DCF	B7	10A		TXB7CDX	00	=		TAO7BB BUSS
XA445	DCF	B7	13A		(23)	01		TXBOEA 36 13A	
XA445	DCF	B8	11A		TXB7COX	00	=		
XA445	DCF	B8	12A		(30)	01		TXS474U 34 12A	
XA433	TD4	E1	31B		TXCAOA	00	=		
XA433	TD4	E1	32B		(59)	01		TXADRO TXRCMS TXX050 TXROPA 61 32B 66 31A 68 32A 70 33A	
XA437	TS8	D1	25B		TXCA1A	00	=		
XA437	TS8	D1	23B		(47)	01		TXCMAS TXXB10 TXXAOP TXXA1Q TXRPCS TXROCS TXR1CR TXR2CR 43 23B 46 21A 48 22A 49 26B 50 23A 52 24A 54 25A 56 26A	

3-2880-1

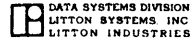|								
DATA SYSTEMS DIVISION **LITTON SYSTEMS, INC** **LITTON INDUSTRIES**	DRAWING NUMBER UNIT ASSEMBLY NAME	149016-860 CARD CAGE ASSY,A,IFCU		LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX TXCA 10 PAGE 332	

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA426	TQ2	E1	31A		TXCA10	00	=		
XA426	TQ2	E1	32A		(66)	01		TXCA1A SPI007 68 32A 70 33A	
XA433	TD4	E2	30B		TXCMAR	00	=		
XA433	TD4	E2	29B		(57)	01		TXCMAS TXXB2A TXX04A TXRS0B 55 29B 60 28A 62 29A 64 30A	
XA432	TQ2	E1	31A		TXCMAS	00	=		ADDRESS STORE F/F
XA432	TQ2	E1	32A		(66)	01		TXCMAR TXCA0A 68 32A 70 33A	
XA412	TQ2	F3	35A		TXCP1A	00	=		CLOCK PHASE 1
XA412	TQ2	F3	34B		(69)	01		TX1MAP TX1MBQ 65 34B 74 35B	
XA411	TQ2	B3	10B		TXCP10	00	=		
XA411	TQ2	B3	08B		(21)	01		TXCP1A SPI001 17 08B 19 09B	
XA412	TQ2	F4	39A		TXCP3A	00	=		CLOCK PHASE 3
XA412	TQ2	F4	37A		(80)	01		TX1MAQ TX1MBP 76 37A 78 38A	
XA411	TQ2	B4	13B		TXCP30	00	=		
XA411	TQ2	B4	11B		(27)	01		TXCP3A SPI001 23 11B 25 12B	
XA430	TT3	E1	30A		TXDB1A	00	=		
XA430	TT3	E1	31A		(64)	01		TXXDSQ TXXD0P TXXD1Q 66 31A 68 32A 70 33A	
XA431	TT3	E1	30A		TXDB1O	00	=		
XA431	TT3	E1	31A		(64)	01		TXXC1P TXXD1P TXDB1A 66 31A 68 32A 70 33A	
XA424	MUX	D1	27B		TXDB0TA	00	=		INPUT MULTIPLEXER BITS 0-3
XA424	MUX	D1	25B		(55)	01		T80T10X TXDB01X TXXC1Q TXXD1P 51 25B 53 26B 52 25A 49 24B	
XA424	MUX	D2	31B		TXDB0TB	00	=		
XA424	MUX	D2	29B		(61)	01		TE0T10X TXDB11X 57 29B 59 30B	
XA424	MUX	D3	28A		TXDB0TC	00	=		
XA424	MUX	D3	26A		(60)	01		TS26CQ TXDB21X 54 26A 56 28B	

3-2880-1

DATA SYSTEMS DIVISION
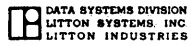LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY, A, IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX TXDB0TD
PAGE 333

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA424	MUX	D4	31 A		TXDB0TD	00	=		
XA424	MUX	D4	29 A		(63)	01		TRDY1A TXDB31X 62 29A 64 30A	
XA421	MUX	A1	02 A		TXDB01X	00	=		INPUT MUX BIT 0
XA421	MUX	A1	02 B		(04)	01		TR00BQ TR24BQ TR08BQ TR16BQ TTS1BS TTS4BS TTS2BS TTS3BS 03 02B 05 03B 07 04B 09 05B 11 06B 15 07B 18 09A 17 08B	
XA421	MUX	A2	03 A		TXDB02X	00	=		
XA421	MUX	A2	06 A		(06)	01		TXXD1Q TXXD0Q TXXDSQ TXGN5A 14 06A 10 05A 08 04A 13 07A	
XA421	MUX	B1	10 A		TXDB11X	00	=		
XA421	MUX	B1	09 B		(20)	01		TR01BQ TR25BQ TR09BQ TR17BQ TRDY10X URDY40X URDY20X URDY30X 19 09B 21 10B 23 11B 25 12B 29 13B 31 14B 34 15B 33 16A	
XA421	MUX	B2	11 A		TXDB12X	00	=		
XA421	MUX	B2	14 A		(22)	01		TXXD1Q TXXD0Q TXXDSQ TXGN5A 27 14A 26 13A 24 12A 30 15A	
XA422	MUX	A1	02 A		TXDB21X	00	=		
XA422	MUX	A1	02 B		(04)	01		TR02BQ TR26BQ TR10BQ TR18BQ TWDBSA UFPR40X TADSAOX UFPR30X 03 02B 05 03B 07 04B 09 05B 11 06B 15 07B 18 09A 17 08B	
XA422	MUX	A2	03 A		TXDB22X	00	=		
XA422	MUX	A2	06 A		(06)	01		TXXD1Q TXXD0Q TXXDSQ TXGN5A 14 06A 10 05A 08 04A 13 07A	
XA422	MUX	B1	10 A		TXDB31X	00	=		
XA422	MUX	B1	09 B		(20)	01		TR03BQ TR27BQ TR11BQ TR19BQ TREW10X UREW40X TADSBOX UREW30X 19 09B 21 10B 23 11B 25 12B 29 13B 31 14B 34 15B 33 16A	
XA422	MUX	B2	11 A		TXDB32X	00	=		
XA422	MUX	B2	14 A		(22)	01		TXXD1Q TXXD0Q TXXDSQ TXGN5A 27 14A 26 13A 24 12A 30 15A	
XA421	MUX	D1	27 B		TXDB4TA	00	=		INPUT MULTIPLEXER BITS 4-7
XA421	MUX	D1	25 B		(55)	01		TS2890 TXDB41X TXXCIQ TXXDIP 51 25B 53 26B 52 25A 49 24B	
XA421	MUX	D2	31 B		TXDB4TB	00	=		
XA421	MUX	D2	29 B		(61)	01		TS29CQ TXDB51X 57 29B 59 30B	
XA421	MUX	D3	28 A		TXDB4TC	00	=		
XA421	MUX	D3	26 A		(60)	01		TS30CQ TXDB61X 54 26A 56 28B	

3-2880-1

DATA SYSTEMS DIVISION — LITTON SYSTEMS INC — LITTON INDUSTRIES

DRAWING NUMBER	149016-860
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU
LOGIC	
UNIT ASSEMBLY NO	149016
FILE IDENT	T39CIFC6
REV	E
DATE	09-03-82
INDEX	TXDB4TD
PAGE	334

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	FREQ	DESIGNATOR	FACTOR	COMMENT
XA421	MUX	D4	31A		TXDB4TD	00	=		
XA421	MUX	D4	29A		(63)	01		TS31CQ TXDB71X / 62 29A 64 30A	
XA423	MUX	A1	02A		TXDB41X	00	=		
XA423	MUX	A1	02B		(04)	01		TR04BQ TR28BQ TR12BQ TR20BQ TBOT10X UBOT40X TADSCOX UBOT30X / 03 02B 05 03B 07 04B 09 05B 11 06B 15 07B 18 09A 17 08B	
XA423	MUX	A2	03A		TXDB42X	00	=		
XA423	MUX	A2	06A		(06)	01		TXXDIQ TXXDOQ TXXDSQ TXGN5A / 14 06A 10 05A 08 04A 13 07A	
XA423	MUX	B1	10A		TXDB51X	00	=		
XA423	MUX	B1	09B		(20)	01		TR05BQ TR29BQ TR13BQ TR21BQ TEOT10X UEOT40X TADSDOX UEOT30X / 19 09B 21 10B 23 11B 25 12B 29 13B 31 14B 34 15B 33 16A	
XA423	MUX	B2	11A		TXDB52X	00	=		
XA423	MUX	B2	14A		(22)	01		TXXDIQ TXXDOQ TXXDSQ TXGN5A / 27 14A 26 13A 24 12A 30 15A	
XA424	MUX	A1	02A		TXDB61X	00	=		
XA424	MUX	A1	02B		(04)	01		TR06BQ TR30BQ TR14BQ TR22BQ TXGN1A TS30BQ TS14BQ TSBZYO / 03 02B 05 03B 07 04B 09 05B 11 06B 15 07B 18 09A 17 08B	
XA424	MUX	A2	03A		TXDB62X	00	=		
XA424	MUX	A2	06A		(06)	01		TXXDIQ TXXDOQ TXXDSQ TXGN5A / 14 06A 10 05A 08 04A 13 07A	
XA424	MUX	B1	10A		TXDB71X	00	=		INPUT MUX BIT 7
XA424	MUX	B1	09B		(20)	01		TR07BQ TR31BQ TR15BQ TR23BQ TXGN1A TS31BQ TS1590 TS23BQ / 19 09B 21 10B 23 11B 25 12B 29 13B 31 14B 34 15B 33 16A	
XA424	MUX	B2	11A		TXDB72X	00	=		
XA424	MUX	B2	14A		(22)	01		TXXDIQ TXXDOQ TXXDSQ TXGN5A / 27 14A 26 13A 24 12A 30 15A	
XA439	TQ2	E1	31A		TXDEVA	00	=		*
XA439	TQ2	E1	32A		(66)	01		TXR3CS SPIO11 / 68 32A 70 33A	
XA429	TD4	B2	10B		TXDEVR	00	=		
XA429	TD4	B2	09A		(21)	01		TXDEVS TXXBOA TXXB3A TXRSOB / 14 09A 18 10A 19 09B 20 11A	
XA426	TQ2	E4	33B		TXDEVS	00	=		DEVICE COMMAND STORE F/F
XA426	TQ2	E4	31B		(63)	01		TXDEVR TXDVOA / 59 31B 61 32B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES

DRAWING NUMBER 149016-860 — CARD CAGE ASSY,A,IFCU
UNIT ASSEMBLY NAME

LOGIC

UNIT ASSEMBLY NO. 149016   REV. E   INDEX TXDEVO
FILE IDENT T39CIFC6   DATE 09-03-82   PAGE 335

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA426	TQ2	E2	28A		TXDEVO	00	=		
XA426	TQ2	E2	29A		(60)	01		TXDEVA SPI007 62 29A 64 30A	
XA428	TQ2	E2	28A		TXDIRA	00	=		
XA428	TQ2	E2	29A		(60)	01		TXXDIQ TXXCSO 62 29A 64 30A	
XA429	TD4	E1	31B		TXDPEA	00	=		RECEIVE DATA PARITY ERROR
XA429	TD4	E1	32B		(59)	01		TWRITO TXENAS TXROPPR TXXA50 61 32B 66 31A 68 32A 70 33A	
XA438	PAR	B1	14A		TXDSBPR	00	=		
XA438	PAR	B1	09B		(25)	01		TXS031U TXS032U TXS033U TXS034U TXS471U TXS472U TXS473U TXS474U 17 09B 19 10B 21 11B 23 12B 24 12A 22 11A 20 10A 18 09A	
XA438	PAR	B1	13B		( )	02	+	TXXCIQ 27 13B	
XA426	TQ2	A1	05A		TXDVCO	00	=		
XA426	TQ2	A1	06A		(06)	01		TXR090T SPI007 08 06A 10 07A	
XA429	TD4	B1	11B		TXDVSR	00	=		
XA429	TD4	B1	12A		(23)	01		TXDVSS TXXB0A TXXB3A TXRSOB 22 12A 24 13A 25 12B 26 14A	
XA426	TQ2	E3	30B		TXDVSS	00	=		DEV COMMAND STOP STORE F/F
XA426	TQ2	E3	28B		(57)	01		TXDVSR TXDV5A 53 28B 55 29B	
XA429	TD4	A1	05B		TXDVOA	00	=		
XA429	TD4	A1	05A		(11)	01		TXCA10 TXDEVO TXDVCO TBUSYA 06 05A 08 06A 10 07A 13 06B	
XA437	TS8	C1	17B		TXDV1A	00	=		
XA437	TS8	C1	15A		(35)	01		TXDEVS TXXB20 TXXAOP TXXA1Q TXROPA TXR097T SPI006 SPI011 30 15A 31 15B 34 16A 36 17A 37 18B 38 18A 40 19A 42 20A	
					TXDV1B	00	=		
XA439	TQ2	D1	24A		( )	01		TXDV10 52 24A	
XA439	TQ2	D2	21A		( )	02	+	TXDV20 46 21A	
XA439	TQ2	D3	24B		( )	03	+	TXDV30 45 24B	
XA439	TQ2	C4	27B		( )	04	+	TXDV40 51 27B	

3-2880-1

| | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | DRAWING NUMBER UNIT ASSEMBLY NAME | 149016-860 CARD CAGE ASSY,A,IFCU | | LOGIC | | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX TXDV10 PAGE 336 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA439	TQ2	D1	24A		TXDV10	00	=	TXDV1B BUSS	
XA439	TQ2	D1	25A		(52)	01		TXDV1A SPIO11	
								54 25A 56 26A	
XA439	TQ2	D2	21A		TXDV20	00	=	TXDV1B BUSS	
XA439	TQ2	D2	22A		(46)	01		TXDV1A SPIO11	
								48 22A 50 23A	
XA439	TQ2	D3	24B		TXDV30	00	=	TXDV1B BUSS	
XA439	TQ2	D3	22B		(45)	01		TXDV1A SPIO11	
								41 22B 43 23B	
XA439	TQ2	D4	27B		TXDV40	00	=	TXDV1B BUSS	
XA439	TQ2	D4	25B		(51)	01		TXDV1A SPIO11	
								47 25B 49 26B	
XA430	TT3	A1	04A		TXDV5A	00	=		
XA430	TT3	A1	05A		(04)	01		TXCA10 TXDEVO TXDVCO	
								06 05A 08 06A 10 07A	
XA433	TD4	D1	25B		TXEA0A	00	=		
XA433	TD4	D1	26B		(47)	01		TXADRO TXRENS TXXO50 TXROPA	
								49 26B 52 24A 54 25A 56 26A	
XA432	TQ2	C1	18A		TXEA00	00	=		
XA432	TQ2	C1	19A		(38)	01		TXEA0A SPIO10	
								40 19A 42 20A	
XA430	TT3	A3	07B		TXEB0A	00	=		
XA430	TT3	A3	04B		(15)	01		TXCA10 TXDEVA TXEOBO	
								09 04B 11 05B 13 06B	
					TXEB0I	00	=		
XA436	TDD	EI	19A		( )	01		TXGN1A	
								40 19A	
					TXEB0N	00	=		
XA436	TDD	EN	20A		( )	01		TXEB1A	
								42 20A	
XA436	TDD	EP	17B		TXEB0P	00	=		
XA436	TDD	EP	18A		(35)	01		TXRSOB	
								38 18A	
XA436	TDD	EQ	18B		TXEB0Q	00	=	EOB SYNC COUNTER BIT 0	
XA436	TDD	EQ	19B		(37)	01		TXEB0A	
								39 19B	

3-2880-1

| DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX TXEB1A PAGE 337 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA428	TQ2	A2	02B		TXEB1A	00	=		
XA428	TQ2	A2	04A		(01)	01		TXEB1Q TXCP30 04 04A 05 03B	
					TXEB1I	00	=		
XA435	TDD	GI	25A		( )	01		TXEBOQ 54 25A	
					TXEB1N	00	=		
XA435	TDD	GN	26A		( )	01		TXCP10 56 26A	
XA435	TDD	GP	25B		TXEB1P	00	=		
XA435	TDD	GP	24A		(47)	01		TXRSOB 52 24A	
XA435	TDD	GQ	26B		TXEB1Q	00	=		FOR SYNC COUNTER BIT 1
XA435	TDD	GQ	27B		(49)	01		SPIO11 51 27B	
XA429	TD4	C1	17B		TXEDOA	00	=		RECEIVE DATA STROBE BYTE 0
XA429	TD4	C1	18B		(35)	01		TWRITO TXENAS TXXB10 TXXA50 37 18B 38 18A 40 19A 42 20A	
XA429	TD4	C2	16B		TXED1A	00	=		RECEIVE DATA STROBE BYTE 1
XA429	TD4	C2	15A		(33)	01		TWRITO TXENAS TXXB20 TXXA50 30 15A 31 15B 34 16A 36 17A	
XA429	TD4	D1	25B		TXED2A	00	=		RECEIVE DATA STROBE BYTE 2
XA429	TD4	D1	26B		(47)	01		TWRITO TXENAS TXXB30 TXXA50 49 26B 52 24A 54 25A 56 26A	
XA429	TD4	D2	24B		TXED3A	00	=		RECEIVE DATA STROBE BYTE 3
XA429	TD4	D2	23B		(45)	01		TWRITO TXENAS TXXB40 TXXA50 43 23B 46 21A 48 22A 50 23A	
XA433	TD4	D2	24B		TXENAR	00	=		
XA433	TD4	D2	23B		(45)	01		TXENAS TXXB5A TXXO4A TXRSOB 43 23B 46 21A 48 22A 50 23A	
XA432	TQ2	D1	24A		TXENAS	00	=		ENABLE STORE F/F
XA432	TQ2	D1	25A		(52)	01		TXENAR TXEAOA 54 25A 56 26A	
XA426	TQ2	A3	04B		TXEOBO	00	=		
XA426	TQ2	A3	02A		(09)	01		TXRO92T SPIO07 03 02A 07 03A	

3-2880-1

| | DATA SYSTEMS DIVISION
LITTON SYSTEMS INC
LITTON INDUSTRIES | DRAWING NUMBER
UNIT ASSEMBLY NAME | 149016-860
CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6 | REV. E
DATE 09-03-82 | INDEX TXGN1A
PAGE 338 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA441	TQ2	D1	24A		TXGN1A	00	=		
XA441	TQ2	D1	25A		(52)	01		SPI012 SPI017 54 25A 56 26A	
XA506	TQ2	C3	16B		TXGN2A	00	=		
XA506	TQ2	C3	14B		(33)	01		SPI018 SPI019 29 14B 31 15B	
XA441	TQ2	D2	21A		TXGN4A .	00	=		
XA441	TQ2	D2	22A		(46)	01		TOSCEA4 SPI017 48 22A 50 23A	
XA441	TQ2	D3	24B		TXGN5A	00	=		
XA441	TQ2	D3	22B		(45)	01		SPI017 SPI012 41 22B 43 23B	
XA441	TQ2	D4	27B		TXGN6A	00	=		
XA441	TQ2	D4	25B		(51)	01		SPI017 SPI012 47 25B 49 26B	
XA426	TQ2	A2	02B		TXHST0	00	=		
XA426	TQ2	A2	04A		(01)	01		TXR091T SPI007 04 04A 05 03B	
XA430	TT3	B1	11A		TXHSOA	00	=		
XA430	TT3	B1	12A		(20)	01		TXCA10 TXDEVA TXHST0 22 12A 24 13A 26 14A	
XA426	TQ2	F4	39A		TXINHR	00	=		
XA426	TQ2	F4	37A		(80)	01		TXINHS TXINOA 76 37A 78 38A	
XA430	TT3	F1	36B		TXINHS	00	=		OFF LINE STORE F/F
XA430	TT3	F1	37B		(73)	01		TXINHR TXONLO TXRSOB 75 37B 77 38B 79 39B	
XA430	TT3	F2	35B		TXINOA	00	=		
XA430	TT3	F2	34B		(74)	01		TXRSOB TXRCMS TXONLO 65 34B 71 36A 72 34A	
XA426	TQ2	B1	12A		TXIRCO	00	=		
XA426	TQ2	B1	13A		(22)	01		TXR094T SPI007 24 13A 26 14A	
XA430	TT3	A2	03A		TXIROA	00	=		
XA430	TT3	A2	02B		(07)	01		TXCA10 TXDEVA TXIRCO 01 02B 03 02A 05 03B	

3-2880-1

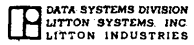|						
DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU		LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX TXIROI PAGE 339

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG- NATOR	FACTOR	COMMENT
					TXIROI	00	=		
XA436	TDD	DI	10A		( )	01		TXGN1A 18 10A	
					TXIRON	00	=		
XA436	TDD	DN	09A		( )	01		TXIR1A 14 09A	
XA436	TDD	DP	10B		TXIROP	00	=		
XA436	TDD	DP	11A		(21)	01		TXRSOB 20 11A	
XA436	TDD	DQ	09B		TXIROQ	00	=		ITR SYNC COUNTER BIT 0
XA436	TDD	DQ	08B		(19)	01		TXIROA 17 08B	
XA428	TQ2	A1	05A		TXIR1A	00	=		
XA428	TQ2	A1	06A		(06)	01		TXIR1Q TXCP30 08 06A 10 07A	
					TXIR1I	00	=		
XA434	TDD	HI	22A		( )	01		TXIROQ 48 22A	
					TXIR1N	00	=		
XA434	TDD	HN	21A		( )	01		TXCP10 46 21A	
XA434	TDD	HP	24B		TXIR1P	00	=		
XA434	TDD	HP	23A		(45)	01		TXRSOB 50 23A	
XA434	TDD	HQ	23B		TXIR1Q	00	=		ITR SYNC COUNTER BIT 1
XA434	TDD	HQ	22B		(43)	01		SPI006 41 22B	
XA428	TQ2	B4	13B		TXPRSA	00	=		
XA428	TQ2	B4	11B		(27)	01		TXPRSOX SPI007 23 11B 25 12B	
XA446	DCF	D3	37B		TXPRSDX	00	=		PORT RESET DRI/RCVR
XA446	DCF	D3	36A		(78)	01		SPI018 72 36A	
XA446	DCF	D4	36B		TXPRSOX	00	=		
XA446	DCF	D4	35B		(75)	01		SPI008 73 35B	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
CARD CAGE ASSY,A,IFCU
UNIT ASSEMBLY NAME

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX TXRAFOT
PAGE 340

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA427	DBC	B1	12A		TXRAFOT	00	=		DEV COMMAND DECODER A TO F
XA427	DBC	B1	10A		(24)	01		TXR7CS 20 10A	
XA427	DBC	B2	13A		TXRAF1T	00	=		
XA427	DBC	B2	11A		(26)	01		TXR6CS 22 11A	
XA427	DBC	B3	14A		TXRAF2T	00	=		
XA427	DBC	B3	09B		(27)	01		TXR5CS 19 09B	
XA427	DBC	B4	15A		TXRAF3T	00	=		
XA427	DBC	B4	10B		(30)	01		TXR4CR 21 10B	
XA427	DBC	B5	16A		TXRAF4T	00	=		
XA427	DBC	B5			(33)	01		SPA 4T	
XA427	DBC	B6	11B		TXRAF5T	00	=		
XA427	DBC	B6			(23)	01		SPA 5T	
XA427	DBC	B7	12B		TXRAF6T	00	=		
XA427	DBC	B7			(25)	01		SPA 6T	
XA427	DBC	B8	13B		TXRAF7T	00	=		
XA427	DBC	B8			(29)	01		SPA 7T	
XA427	DBC	B9	14B		TXRAF8T	00	=		
XA427	DBC	B9			(31)	01		SPA 8T	
XA427	DBC	B0	15B		TXRAF9T	00	=		
XA427	DBC	B0			(34)	01		SPA 9T	
XA440	TQ2	C2	15A		TXRCMR	00	=		
XA440	TQ2	C2	16A		(30)	01		TXRCMS TXRRSA 34 16A 36 17A	
XA441	TQ2	C2	15A		TXRCMS	00	=		I/O INPUT REG COMMAND BIT
XA441	TQ2	C2	16A		(30)	01		TXRCMR TXACMB4 34 16A 36 17A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER **149016-860** UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**		LOGIC	UNIT ASSEMBLY NO. **149016** FILE IDENT **T39CIFC6**	REV. **E** DATE **09-03-82**	INDEX **TXRENR** PAGE **341**	

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA440	TQ2	C3	16B		TXRENR	00	=		
XA440	TQ2	C3	14B		(33)	01		TXRENS TXRRSA 29 14B 31 15B	
XA441	TQ2	C3	16B		TXRENS	00	=		I/O INPUT REG ENABLE BIT
XA441	TQ2	C3	14B		(33)	01		TXRENR TXAENB4 29 14B 31 15B	
XA440	TQ2	C1	18A		TXRPCR	00	=		
XA440	TQ2	C1	19A		(38)	01		TXRPCS TXRRSA 40 19A 42 20A	
XA441	TQ2	C1	18A		TXRPCS	00	=		I/O INPUT REG PARITY BIT
XA441	TQ2	C1	19A		(38)	01		TXRPCR TXAPCB4 40 19A 42 20A	
XA441	TQ2	C4	19B		TXRRSA	00	=		I/O INPUT REG RESET
XA441	TQ2	C4	17B		(39)	01		TXRRS0 SPI017 35 17B 37 18B	
XA440	TQ2	C4	19B		TXRRS0	00	=		
XA440	TQ2	C4	17B		(39)	01		TXXA6A TXRS0B 35 17B 37 18B	
XA428	TQ2	F4	39A		TXRSAA	00	=		TXRS2B BUSS
XA428	TQ2	F4	37A		(80)	01		TXRS00 SPI010 76 37A 78 38A	
XA432	TQ2	E2	28A		TXRS0A	00	=		TXRS0B BUSS
XA432	TQ2	E2	29A		(60)	01		TXRS00 SPI010 62 29A 64 30A	
	TQ2				TXRS0B	00	=		
XA432	TQ2	E2	28A		( )	01		TXRS0A TXRS1A TXRS2A 60 28A 57 30B 63 33B	
XA437	TS8	B1	11B		TXRS00	00	=		CONTROLLER MASTER RESET
XA437	TS8	B1	09A		(23)	01		TXST1A TXARSA TXBRSA TXPRSA DEVINH SPI003 SPI006 SPI011 14 09A 18 10A 19 09B 20 11A 22 12A 24 13A 25 12B 26 14A	
XA432	TQ2	E3	30B		TXRS1A	00	=		TXRS0B BUSS
XA432	TQ2	E3	28B		(57)	01		TXRS00 SPI010 53 28B 55 29B	
	TQ2				TXRS1B	0C	=		
XA432	TQ2	F1	37B		( )	01		TXRS3A TXRS4A TXRS5A TXRS6A 75 37B 72 34A 69 35A 80 39A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS. INC LITTON INDUSTRIES	DRAWING NUMBER 149016-860	UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU		LOGIC		UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX TXRS2A PAGE 342	

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA432	TQ2	E4	33B	TXRS2A	00	=	TXRS0B BUSS	
XA432	TQ2	E4	31B	(63)	01		TXRS00 SPI010 59 31B 61 32B	
				TXRS2B	00	=		
XA428	TQ2	F1	37B	(.)	01		TXRS7A TXRS8A TXRS9A TXRSAA 75 37B 72 34A 69 35A 80 39A	
XA432	TQ2	F1	37B	TXRS3A	00	=	TXRS1B BUSS	
XA432	TQ2	F1	38B	(75)	01		TXRS00 SPI010 77 38B 79 39B	
XA432	TQ2	F2	34A	TXRS4A	00	=	TXRS1B BUSS	
XA432	TQ2	F2	36A	(72)	01		TXRS00 SPI010 71 36A 73 36B	
XA432	TQ2	F3	35A	TXRS5A	00	=	TXRS1B BUSS	
XA432	TQ2	F3	34B	(69)	01		TXRS00 SPI010 65 34B 74 35B	
XA432	TQ2	F4	39A	TXRS6A	00	=	TXRS1B BUSS	
XA432	TQ2	F4	37A	(80)	01		TXRS00 SPI010 76 37A 78 38A	
XA428	TQ2	F1	37B	TXRS7A	00	=	TXRS2B BUSS	
XA428	TQ2	F1	38B	(75)	01		TXRS00 SPI010 77 38B 79 39B	
XA428	TQ2	F2	34A	TXRS8A	00	=	TXRS2B BUSS	
XA428	TQ2	F2	36A	(72)	01		TXRS00 SPI010 71 36A 73 36B	
XA428	TQ2	F3	35A	TXRS9A	00	=	TXRS2B BUSS	
XA428	TQ2	F3	34B	(69)	01		TXRS00 SPI010 65 34B 74 35B	
XA440	TQ2	A1	05A	TXROCR	00	=		
XA440	TQ2	A1	06A	(06)	01		TXROCS TXRRSA 08 06A 10 07A	
XA441	TQ2	A1	05A	TXROCS	00	=		I/O INPUT REG DATA BIT 0
XA441	TQ2	A1	06A	(06)	01		TXROCR TXAOCB4 08 06A 10 07A	
XA432	TQ2	A2	02B	TXROPA	00	=		
XA432	TQ2	A2	04A	(01)	01		TXROPPR SPI010 04 04A 05 03B	

3-2880-1

| DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX TXROPPR PAGE 343 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA438	PAR	A1	07A		TXROPPR	00	=		INPUT REG PARITY CHECKER
XA438	PAR	A1		03B	(13)	01		TXROCS TXR1CS TXR2CS TXR3CS TXR4CS TXR5CS TXR6CS TXR7CS 03 03B 05 04B 07 05B 09 06B 10 05A 08 04A 06 03A 04 02A	
XA438	PAR	A1		07B	( )	02	+	TXRPCS 11 07B	
XA427	DBC	A1	04A		TXRO90T	00	=		DEV COMMAND DECODER 0 TO 9
XA427	DBC	A1		02A	(08)	01		TXR7CS 04 02A	
XA427	DBC	A2	05A		TXRO91T	00	=		
XA427	DBC	A2		03A	(10)	01		TXR6CS 06 03A	
XA427	DBC	A3	06A		TXRO92T	00	=		
XA427	DBC	A3		02B	(14)	01		TXR5CS 03 02B	
XA427	DBC	A4	07A		TXRO93T	00	=		
XA427	DBC	A4		03B	(13)	01		TXR4CS 05 03B	
XA427	DBC	A5	08B		TXRO94T	00	=		
XA427	DBC	A5			(17)	01		SPA 4T	
XA427	DBC	A6	04B		TXRO95T	00	=		
XA427	DBC	A6			(07)	01		SPA 5T	
XA427	DBC	A7	05B		TXRO96T	00	=		
XA427	DBC	A7			(09)	01		SPA 6T	
XA427	DBC	A8	06B		TXRO97T	00	=		
XA427	DBC	A8			(11)	01		SPA 7T	
XA427	DBC	A9	07B		TXRO98T	00	=		
XA427	DBC	A9			(15)	01		SPA 8T	
XA427	DBC	A0	09A		TXRO99T	00	=		
XA427	DBC	A0			(18)	01		SPA 9T	
XA440	TQ2	A2	02B		TXR1CR	00	=		
XA440	TQ2	A2		04A	(01)	01		TXR1CS TXRRSA 04 04A 05 03B	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC.
LITTON INDUSTRIES

DRAWING NUMBER: 149016-860
UNIT ASSEMBLY NAME: CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX TXR1CS
PAGE 344

CONNECTOR	CIRCUIT TYPE	GROUP	AND	OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
KA441	TQ2	A2	02B		TXR1CS	00	=		I/O INPUT REG DATA BIT 1
KA441	TQ2	A2		04A	(01)	01		TXR1CR TXA1CB4 04 04A 05 03B	
KA440	TQ2	A3	04B		TXR2CR	00	=		
KA440	TQ2	A3		02A	(09)	01		TXR2CS TXRRSA 03 02A 07 03A	
KA441	TQ2	A3	04B		TXR2CS	00	=		I/O INPUT REG DATA BIT 2
KA441	TQ2	A3		02A	(09)	01		TXR2CR TXA2CB4 03 02A 07 03A	
KA440	TQ2	A4	07B		TXR3CR	00	=		
KA440	TQ2	A4		05B	(15)	01		TXR3CS TXRRSA 11 05B 13 06B	
KA441	TQ2	A4	07B		TXR3CS	00	=		I/O INPUT REG DATA BIT 3
KA441	TQ2	A4		05B	(15)	01		TXR3CR TXA3CB4 11 05B 13 06B	
KA440	TQ2	B1	12A		TXR4CR	00	=		
KA440	TQ2	B1		13A	(22)	01		TXR4CS TXRRSA 24 13A 26 14A	
KA441	TQ2	B1	12A		TXR4CS	00	=		I/O INPUT REG DATA BIT 4
KA441	TQ2	B1		13A	(22)	01		TXR4CR TXA4CB4 24 13A 26 14A	
KA440	TQ2	B2	09A		TXR5CR	00	=		
KA440	TQ2	B2		10A	(14)	01		TXR5CS TXRRSA 18 10A 20 11A	
KA441	TQ2	B2	09A		TXR5CS	00	=		I/O INPUT REG DATA BIT 5
KA441	TQ2	B2		10A	(14)	01		TXR5CR TXA5CB4 18 10A 20 11A	
KA440	TQ2	B3	10B		TXR6CR	00	=		
KA440	TQ2	B3		08B	(21)	01		TXR6CS TXRRSA 17 08B 19 09B	
KA441	TQ2	B3	10B		TXR6CS	00	=		I/O INPUT REG DATA BIT 6
KA441	TQ2	B3		08B	(21)	01		TXR6CR TXA6CB4 17 08B 19 09B	
KA440	TQ2	B4	13B		TXR7CR	00	=		
KA440	TQ2	B4		11B	(27)	01		TXR7CS TXRRSA 23 11B 25 12B	

3-2880-1

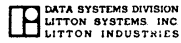| | DATA SYSTEMS DIVISION
LITTON SYSTEMS. INC
LITTON INDUSTRIES | DRAWING NUMBER
UNIT ASSEMBLY NAME | 149016-860
CARD CAGE ASSY,A,IFCU | | LOGIC | UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6 | REV. E
DATE 09-03-82 | INDEX TXR7CS
PAGE 345 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA441	TQ2	B4	13B		TXR7CS	00	=		I/O INPUT REG DATA BIT 7
XA441	TQ2	B4		11B	(27)	01		TXR7CR TXA7CB4 23 11B 25 12B	
XA428	TQ2	B2	09A		TXSK0A	00	=		
XA428	TQ2	B2		10A	(14)	01		TXXC2Q TXXC3P 18 10A 20 11A	
XA432	TQ2	C3	16B		TXSK00	00	=		STATUS REG CLOCK BITS 0 TO 3
XA432	TQ2	C3		14B	(33)	01		TXSK0A SPI010 29 14B 31 15B	
XA426	TQ2	B3	10B		TXSST0	00	=		
XA426	TQ2	B3		08B	(21)	01		TXR097T SPI007 17 08B 19 09B	
XA437	TS8	E1	31B		TXSS0A	00	=		
XA437	TS8	E1		29B	(59)	01		TXDVSS TXXB20 TXXA0P TXXA1Q TXSST0 TXROPA SPI011 SPI006 55 29B 60 28A 61 32B 62 29A 64 30A 66 31A 68 32A 70 33A	
					TXST0I	00	=		
XA436	TDD	LI		38B	( )	01		TXGN1A 77 38B	
					TXST0N	00	=		
XA436	TDD	LN		39B	( )	01		TXST1A 79 39B	
XA436	TDD	LP	37A		TXST0P	00	=		
XA436	TDD	LP		37B	(76)	01		SPI011 75 37B	
XA436	TDD	LQ	38A		TXST0Q	00	=		STOP SYNC COUNTER BIT 0
XA436	TDD	LQ		39A	(78)	01		TXST2A 80 39A	
XA439	TQ2	F1	37B		TXST1A	00	=		
XA439	TQ2	F1		38B	(75)	01		TXST1Q TXCP30 77 38B 79 39B	
					TXST1I	00	=		
XA435	TDD	LI		38B	( )	01		TXST0Q 77 38B	
					TXST1N	00	=		
XA435	TDD	LN		39B	( )	01		TXCP10 79 39B	

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS INC / LITTON INDUSTRIES
DRAWING NUMBER 149016-860
CARD CAGE ASSY,A,IFCU UNIT ASSEMBLY NAME
LOGIC
UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX TXST1P
PAGE 346

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
KA435	TDD	LP	37A		TXST1P	00	=		
KA435	TDD	LP	37B		(76)	01		SPI011 75 37B	
KA435	TDD	LQ	38A		TXST1Q	00	=		STOP SYNC COUNTER BIT 1
KA435	TDD	LQ	39A		(78)	01		SPI006 80 39A	
KA439	TQ2	F2	34A		TXST2A	00	=		
KA439	TQ2	F2	36A		(72)	01		TXST20 SPI011 71 36A 73 36B	
KA432	TQ2	D4	27B		TXST20	00	=		
KA432	TQ2	D4	25B		(51)	01		TXHS0A TXSS0A 47 25B 49 26B	
KA427	DBC	C1	18A		TXS031U	00	=		IOU INPUT DATA REGBITS 0-3
KA427	DBC	C1	18B		(38)	01		TXDB0TA TXDB0TB TXDB0TC TXDB0TD TXGN4A 39 18B 41 19B 43 22B 45 23B 50 24A	
KA427	DBC	C2	19A		TXS032U	00	=		
KA427	DBC	C2	17B		(40)	01		TXSK00 37 17B	
KA427	DBC	C3	20A		TXS033U	00	=		
KA427	DBC	C3	23A		(42)	01		TXGN5A 47 23A	
KA427	DBC	C4	21A		TXS034U	00	=		
KA427	DBC	C4	22A		(46)	01		TXGN6A 48 22A	
KA427	DBC	C5	17A		TXS035U	00	=		
KA427	DBC	C5	16B		(36)	01		SPI007 35 16B	
KA427	DBC	D1	26A		TXS471U	00	=		IOU INPUT DATA REGBITS 4-7
KA427	DBC	D1	26B		(54)	01		TXDB4TA TXDB4TB TXDB4TC TXDB4TD TXGN4A 53 26B 55 27B 57 29B 59 30B 63 31A	
KA427	DBC	D2	28B		TXS472U	00	=		
KA427	DBC	D2	25B		(56)	01		TXSK00 51 25B	
KA427	DBC	D3	28A		TXS473U	00	=		
KA427	DBC	D3	31B		(60)	01		TXGN5A 61 31B	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	TXS474U
		UNIT ASSEMBLY NAME	CARD CAGE ASSY, A, IFCU		FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	347

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA427	DBC	D4	29A		TXS474U	00	=		
XA427	DBC	D4	30A		(62)	01		TXGN6A 64 30A	
XA427	DBC	D5	25A		TXS475U	00	=		
XA427	DBC	D5	24B		(52)	01		SPI007 49 24B	
XA432	TQ2	A4	07B		TXXACA	00	=		
XA432	TQ2	A4	05B		(15)	01		TXXAC0 SPI010 11 05B 13 06B	
					TXXACI	00	=		
XA436	TDD	MI	36A		( )	01		SPI006 71 36A	
					TXXACN	00	=		
XA436	TDD	MN	34A		( )	01		TXXA3P 72 34A	
XA436	TDD	MP	35A		TXXACP	00	=		
XA436	TDD	MP	36B		(69)	01		TXXADA 73 36B	
XA436	TDD	MQ	35B		TXXACQ	00	=		I/O STATE COUNTER CONTROL F/F
XA436	TDD	MQ	34B		(74)	01		TXRS0B 65 34B	
XA437	TS8	A1	05B		TXXAC0	00	=		
XA437	TS8	A1	02B		(11)	01		TXR0CR TXR1CR TXR2CR TXR3CR TXR4CR TXR5CR TXR6CR TXR7CR 01 02B 04 04A 05 03B 06 05A 07 03A 08 06A 10 07A 13 06B	
XA432	TQ2	B1	12A		TXXADA	00	=		I/O STATE COUNTER START
XA432	TQ2	B1	13A		(22)	01		TXXAD0 SPI010 24 13A 26 14A	
XA433	TD4	C1	17B		TXXADG	00	=		
XA433	TD4	C1	18B		(35)	01		TXRCMR TXRENR TXRPCR TXXACA 37 18B 38 18A 40 19A 42 20A	
					TXXAOI	00	=		
XA434	TDD	AI	06A		( )	01		TXXA3P 08 06A	
					TXXAON	00	=		
XA434	TDD	AN	07A		( )	01		T16MH0 10 07A	

3-2880-1

347

| | | | DRAWING NUMBER | 149016-860 | | LOGIC | | UNIT ASSEMBLY NO. | 149016 | REV. E | INDEX TXXAOP |
| DATA SYSTEMS DIVISION LITTON SYSTEMS. INC LITTON INDUSTRIES | | | UNIT ASSEMBLY NAME | CARD CAGE ASSY,A,IFCU | | | | FILE IDENT | T39CIFC6 | DATE 09-03-82 | PAGE 348 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND/OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
KA434	TDD	AP	05B	TXXAOP	00	=		
KA434	TDD	AP	05A	(11)	01		TXXACP 06 05A	
KA434	TDD	AQ	06B	TXXAOQ	00	=		I/O STATE COUNTER BIT 0
KA434	TDD	AQ	07B	(13)	01		SPI010 15 07B	
				TXXA1I	00	=		
KA435	TDD	AI	06A	( )	01		TXXAOQ 08 06A	
				TXXA1N	00	=		
KA435	TDD	AN	07A	( )	01		T16MHO 10 07A	
KA435	TDD	AP	05B	TXXA1P	00	=		
KA435	TDD	AP	05A	(11)	01		TXXACP 06 05A	
KA435	TDD	AQ	06B	TXXA1Q	00	=		I/O STATE COUNTER BIT 1
KA435	TDD	AQ	07B	(13)	01		SPI011 15 07B	
				TXXA2I	00	=		
KA434	TDD	BI	03B	( )	01		TXXA1Q 05 03B	
				TXXA2N	00	=		
KA434	TDD	BN	02B	( )	01		T16MHO 01 02B	
KA434	TDD	BP	04B	TXXA2P	00	=		
KA434	TDD	BP	04A	(09)	01		TXXACP 04 04A	
KA434	TDD	BQ	03A	TXXA2Q	00	=		I/O STATE COUNTER BIT 2
KA434	TDD	BQ	02A	(07)	01		SPI006 03 02A	
				TXXA3I	00	=		
KA435	TDD	BI	03B	( )	01		TXXA2Q 05 03B	
				TXXA3N	00	=		
KA435	TDD	BN	02B	( )	01		T16MHO 01 02B	

3-2880-1

	DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC. / LITTON INDUSTRIES	DRAWING NUMBER 149016-860 / UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU	LOGIC	UNIT ASSEMBLY NO. 149016 / FILE IDENT T39CIFC6	REV. E / DATE 09-03-82	INDEX TXXA3P / PAGE 349

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA435	TDD	BP	04B		TXXA3P	00	=		
XA435	TDD	BP	04A		(09)	01		TXXACP / 04 04A	
XA435	TDD	BQ	03A		TXXA3Q	00	=		I/O STATE COUNTER BIT 3
XA435	TDD	BQ	02A		(07)	01		SPI006 / 03 02A	
XA439	TQ2	A1	05A		TXXA4A	00	=		I/O STATE COUNTER STATE 4
XA439	TQ2	A1	06A		(06)	01		TXXA0Q TXXA3Q / 08 06A 10 07A	
XA440	TQ2	D1	24A		TXXA40	00	=		
XA440	TQ2	D1	25A		(52)	01		TXXA4A SPI011 / 54 25A 56 26A	
XA439	TQ2	A2	02B		TXXA5A	00	=		I/O STATE COUNTER STATE 5
XA439	TQ2	A2	04A		(01)	01		TXXA0P TXXA1Q / 04 04A 05 03B	
XA440	TQ2	D2	21A		TXXA50	00	=		
XA440	TQ2	D2	22A		(46)	01		TXXA5A SPI011 / 48 22A 50 23A	
XA439	TQ2	A3	04B		TXXA6A	00	=		I/O STATE COUNTER STATE 6
XA439	TQ2	A3	02A		(09)	01		TXXA1P TXXA2Q / 03 02A 07 03A	
XA432	TQ2	A3	04B		TXXBCA	00	=		I/O BYTE COUNTER RESET
XA432	TQ2	A3	02A		(09)	01		TXXBC0 SPI010 / 03 02A 07 03A	
XA431	TT3	B1	11A		TXXBC0	00	=		
XA431	TT3	B1	12A		(20)	01		TXRCMR TXRENR TXRS0B / 22 12A 24 13A 26 14A	
XA406	TQ2	E4	33B		TXXBK0	00	=		I/O BYTE COUNTER CLOCK
XA406	TQ2	E4	31B		(63)	01		TXXA3Q SPI001 / 59 31B 61 32B	
XA439	TQ2	A4	07B		TXXB0A	00	=		I/O BYTE COUNTER STATE 0
XA439	TQ2	A4	05B		(15)	01		TXXB0P TXXB2P / 11 05B 13 06B	
					TXXB0I	00	=		
XA	5D	CI	13A		( )	01		TXXB2P / 24 13A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

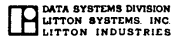UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX TXXBON
PAGE 350

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TXXBON	00	=		
KA436	TDD	CN	14A		( )		01	TXXBK0 26 14A	
KA436	TDD	CP	11B		TXXB0P	00	=		
KA436	TDD	CP	12A		(23)		01	TXXBCA 22 12A	
KA436	TDD	CQ	12B		TXXB0Q	00	=		I/O BYTE COUNTER BIT 0
KA436	TDD	CQ	13B		(25)		01	SPIO11 27 13B	
KA440	TQ2	D3	24B		TXXB00	00	=		
KA440	TQ2	D3	22B		(45)		01	TXXB0A SPIO11 41 22B 43 23B	
KA439	TQ2	B1	12A		TXXB1A	00	=		I/O BYTE COUNTER STATE 1
KA439	TQ2	B1	13A		(22)		01	TXXB0Q TXXB1P 24 13A 26 14A	
					TXXB1I	00	=		
KA435	TDD	FI	16A		( )		01	TXXB0Q 34 16A	
					TXXB1N	00	=		
KA435	TDD	FN	15A		( )		01	TXXBK0 30 15A	
KA435	TDD	FP	16B		TXXB1P	00	=		
KA435	TDD	FP	17A		(33)		01	TXXBCA 36 17A	
KA435	TDD	FQ	15B		TXXB1Q	00	=		I/O BYTE COUNTER BIT 1
KA435	TDD	FQ	14B		(31)		01	SPIO11 29 14B	
KA440	TQ2	D4	27B		TXXB10	00	=		
KA440	TQ2	D4	25B		(51)		01	TXXB1A SPIO11 47 25B 49 26B	
KA439	TQ2	B2	09A		TXXB2A	00	=		I/O BYTE COUNTER STATE 2
KA439	TQ2	B2	10A		(14)		01	TXXB1Q TXXB2P 18 10A 20 11A	
					TXXB2I	00	=		
KA434	TDD	GI	25A		( )		01	TXXB1Q 54 25A	

3-2680-1

H78-16 760

DATA SYSTEMS DIVISION LITTON SYSTEMS INC. LITTON INDUSTRIES

DRAWING NUMBER 149016-860

UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016

FILE IDENT T39CIFC6

REV. E

DATE 09-03-82

INDEX TXXB2N

PAGE 351

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					TXXB2N	00	=		
XA434	TDD	GN	26A		( )	01		TXXBKO 56 26A	
XA434	TDD	GP	25B		TXXB2P	00	=		
XA434	TDD	GP	24A		(47)	01		TXXBCA 52 .24A	
XA434	TDD	GQ	26B		TXXB2Q	00	=		I/O BYTE COUNTER BIT 2
XA434	TDD	GQ	27B		(49)	01		SPIO11 51 27B	
XA440	TQ2	E1	31A		TXXB2O	00	=		
XA440	TQ2	E1	32A		(66)	01		TXXB2A SPIO11 68 32A 70 33A	
XA439	TQ2	B3	10B		TXXB3A	00	=		I/O BYTE COUNTER STATE 3
XA439	TQ2	B3	08B		(21)	01		TXXBOQ TXXB2Q 17 08B 19 09B	
XA440	TQ2	E2	28A		TXXB30	00	=		
XA440	TQ2	E2	29A		(60)	01		TXXB3A SPIO17 62 29A 64 30A	
XA439	TQ2	B4	13B		TXXB4A	00	=		I/O BYTE COUNTER STATE 4
XA439	TQ2	B4	11B		(27)	01		TXXBOP TXXB1Q 23 11B 25 12B	I/O BYTE COUNTER STATE 4
XA440	TQ2	E3	30B		TXXB40	00	=		
XA440	TQ2	E3	28B		(57)	01		TXXB4A SPIO17 53 28B 55 29B	
XA439	TQ2	C1	18A		TXXB5A	00	=		I/O BYTE COUNTER STATE 5
XA439	TQ2	C1	19A		(38)	01		TXXB1P TXXB2Q 40 19A 42 20A	
XA440	TQ2	E4	33B		TXXB50	00	=		
XA440	TQ2	E4	31B		(63)	01		TXXB5A SPIO17 59 31B 61 32B	
XA428	TQ2	D4	27B		TXXC1A	00	=		
XA428	TQ2	D4	25B		(51)	01		TXXC1O SPIO10 47 25B 49 26B	
					TXXC1I	00	=		
XA435	TDD	MI	36A		( )	01		TXGN4A 71 36A	

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC. / LITTON INDUSTRIES

DRAWING NUMBER 149016-860   UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016   FILE IDENT T39CIFC6   REV. E   DATE 09-03-82   INDEX TXXCIN   PAGE 352

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					TXXCIN	00	=		
XA435	TDD	MN	34A		( )	01		TXXC4P 72 34A	
XA435	TDD	MP	35A		TXXCIP	00	=		
XA435	TDD	MP	36B		(69)	01		TXRS0B 73 36B	
XA435	TDD	MQ	35B		TXXCIQ	00	=		DEV/DFR INDICATOR CONTROL F/F
XA435	TDD	MQ	34B		(74)	01		TXXCIA 65 34B	
XA429	TD4	F1	37A		TXXCIO	00	=		INDICATOR INPUTS
XA429	TD4	F1	37B		(76)	01		TSYN1A TIASLA TXSS0A TX0D3A 75 37B 77 38B 78 38A 79 39B	
XA429	TD4	F2	35A		TXXCRO	00	=		
XA429	TD4	F2	36A		(69)	01		TXXCIP TXXDDP TXXDIP TXXDSP 71 36A 72 34A 73 36B 74 35B	
XA428	TQ2	B3	10B		TXXCSA	00	=		INPUT STROBE COUNT 5 TO 7
XA428	TQ2	B3	08B		(21)	01		TXXC2Q TXXC4Q 17 08B 19 09B	
XA432	TQ2	D2	21A		TXXCSO	00	=		
XA432	TQ2	D2	22A		(46)	01		TXXCSA SPI010 48 22A 50 23A	
					TXXCOI	00	=		
XA434	TDD	F1	16A		( )	01		TXXC4P 34 16A	
					TXXCON	0C	=		
XA434	TDD	FN	15A		( )	01		T16MIO 30 15A	
XA434	TDD	FP	16B		TXXCOP	00	=		
XA434	TDD	FP	17A		(33)	01		TXXCRO 36 17A	
XA434	TDD	FQ	15B		TXXCCQ	00	=		
XA434	TDD	FQ	14B		(31)	01		SPI010 29 14B	
					TXXC1I	00	=		
XA435	TDD	CJ	13A		( )	01		TXXCOQ 24 13A	

3-2880-1

DATA SYSTEMS DIVISION / LITTON SYSTEMS, INC. / LITTON INDUSTRIES

DRAWING NUMBER **149016-860**
UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**

LOGIC

UNIT ASSEMBLY NO. **149016**
FILE IDENT **T39CIFC6**
REV. **E**
DATE **09-03-82**
INDEX **TXXC1N**
PAGE **353**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					TXXC1N	00	=		
XA435	TDD	CN	14A		( )	01		T16MIO 26 14A	
XA435	TDD	CP	11B		TXXC1P	00	=		
XA435	TDD	CP	12A		(23)	01		TXXCRO 22 12A	
XA435	TDD	CQ	12B		TXXC1Q	00	=		INPUT STROBE COUNTER BIT 1
XA435	TDD	CQ	13B		(25)	01		SPIO11 27 13B	
					TXXC2I	00	=		
XA434	TDD	DI	10A		( )	01		TXXC1Q 18 10A	
					TXXC2N	00	=		
XA434	TDD	DN	09A		( )	01		T16MIO 14 09A	
XA434	TDD	DP	10B		TXXC2P	00	=		
XA434	TDD	DP	11A		(21)	01		TXXCRO 20 11A	
XA434	TDD	DQ	09B		TXXC2Q	00	=		INPUT STROBE COUNTER BIT 2
XA434	TDD	DQ	08B		(19)	01		SPIO06 17 08B	
					TXXC3I	00	=		
XA435	TDD	DI	10A		( )	01		TXXC2Q 18 10A	
					TXXC3N	00	=		
XA435	TDD	DN	09A		( )	01		T16MIO 14 09A	
XA435	TDD	DP	10B		TXXC3P	00	=		
XA435	TDD	DP	11A		(21)	01		TXXCRO 20 11A	
XA435	TDD	DQ	09B		TXXC3Q	00	=		INPUT STROBE COUNTER BIT 3
XA435	TDD	DQ	08B		(19)	01		SPIO06 17 08B	
					TXXC4I	00	=		
XA539	TDD	DI	10A		( )	01		TXXC3Q 18 10A	

3-2880-1

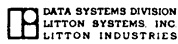|									
DATA SYSTEMS DIVISION **LITTON SYSTEMS, INC** **LITTON INDUSTRIES**	DRAWING NUMBER UNIT ASSEMBLY NAME	149016-860 CARD CAGE ASSY,A,IFCU		LOGIC		UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX TXXC4N PAGE 354	

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TXXC4N	00	=		
XA539	TDD	DN	09A		( )	01		T16MIO 14 09A	
XA539	TDD	DP	10B		TXXC4P	00	=		
XA539	TDD	DP	11A		(21)	01		TXXCRO 20 11A	
XA539	TDD	DQ	09B		TXXC4Q	00	=		INPUT STROBE COUNTER BIT 4
XA539	TDD	DQ	08B		(19)	01		SPIO26 17 08B	
XA432	TQ2	C2	15A		TXXDDA	00	=		
XA432	TQ2	C2	16A		(30)	01		TXXDDO SPIO1O 34 16A 36 17A	
					TXXDDI	00	=		
XA435	TDD	EI	19A		( )	01		TXGN4A 40 19A	
					TXXDDN	00	=		
XA435	TDD	EN	20A		( )	01		TXXDIP 42 20A	
XA435	TDD	EP	17B		TXXDDP	00	=		
XA435	TDD	EP	18A		(35)	01		TXRSOB 38 18A	
XA435	TDD	EQ	18B		TXXDDQ	00	=		INPUT DATA CONTROL F/F
XA435	TDD	EQ	19B		(37)	01		TXXDDA 39 19B	
XA428	TQ2	A4	07B		TXXDDO	00	=		
XA428	TQ2	A4	05B		(15)	01		TRTDEA TLTEOA 11 05B 13 06B	
XA428	TQ2	B1	12A		TXXDIA	00	=		
XA428	TQ2	B1	13A		(22)	01		TXXDIS TXEA00 24 13A 26 14A	
					TXXDII	00	=		
XA434	TDD	CI	13A		( )	01		TXGN4A 24 13A	
					TXXDIN	00	=		
XA434	TDD	CN	14A		( )	01		TXXDIP 26 14A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX TXXDIP
PAGE 355

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA434	TDD	CP	11B		TXXDIP .	00	=		
XA434	TDD	CP	12A		(23)	01		TXRSOB 22 12A	
XA434	TDD	CQ	12B		TXXDIQ	00	=		INPUT STROBE COUNTER BIT 0
XA434	TDD	CQ	13B		(25)	01		TXXDIA 27 13B	
XA431	TT3	D3	27B		TXXDIR	00	=		
XA431	TT3	D3	24B		(51)	01		TXXDIS TXDIRA TXINHR 45 24B 47 25B 49 26B	
XA430	TT3	D3	27B		TXXDIS	00	=		
XA430	TT3	D3	24B		(51)	01		TXXDIR TINT2A TINT6A 45 24B 47 25B 49 26B	
XA432	TQ2	A1	05A		TXXDRA	00	=		
XA432	TQ2	A1	06A		(06)	01		TXXDRO SPIO10 08 06A 10 07A	
XA431	TT3	A3	07B		TXXDRO	00	=		
XA431	TT3	A3	04B		(15)	01		TXXDDP TXXDIP TXXDSP 09 04B 11 05B 13 06B	
					TXXDSI	00	=		
XA434	TDD	MI	36A		( )	01		TXGN4A 71 36A	
					TXXDSN	00	=		
XA434	TDD	MN	34A		( )	01		TXXD1P 72 34A	
XA434	TDD	MP	35A		TXXDSP	00	=		
XA434	TDD	MP	36B		(69)	01		TXRSOB 73 36B	
XA434	TDD	MQ	35B		TXXDSQ	00	=		INPUT STATUS CONTROL F/F
XA434	TDD	MQ	34B		(74)	01		TXIRIA 65 34B	
					TXXDOI	00	=		
XA434	TDD	EI	19A		( )	01		TXXD1P 40 19A	
					TXXDON	00	=		
XA434	TDD	EN	20A		( )	01		TXXC3P 42 20A	

3-2880-1

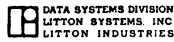| | DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES | DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX TXXDOP PAGE 356 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
KA434	TDD	EP	17B		TXXDOP	00	=		
KA434	TDD	EP	18A		(35)	01		TXXCRO 38 18A	
KA434	TDD	EQ	18B		TXXDOQ	00	=		INPUT BYTE COUNTER BIT 0
KA434	TDD	EQ	19B		(37)	01		SPIO11 39 19B	
					TXXD1I	00	=		
KA436	TDD	BI	03B		( )	01		TXXDOQ 05 03B	
					TXXD1N	00	=		
KA436	TDD	BN	02B		( )	01		TXXC3P 01 02B	
KA436	TDD	BP	04B		TXXD1P	00	=		
KA436	TDD	BP	04A		(09)	01		TXXCRO 04 04A	
KA436	TDD	BQ	03A		TXXD1Q	00	=		INPUT BYTE COUNTER BIT 1
KA436	TDD	BQ	02A		(07)	01		TXXDIA 03 02A	
KA428	TQ2	A3	04B		TXXRCA	00	=		
KA428	TQ2	A3	02A		(09)	01		TXXRCO TXXREP 03 02A 07 03A	
					TXXRCI	00	=		
KA539	TDD	AI	06A		( )	01		TXGN4A 08 06A	
					TXXRCN	00	=		
KA539	TDD	AN	07A		( )	01		TXXR2P 10 07A	
KA539	TDD	AP	05B		TXXRCP	00	=		
KA539	TDD	AP	05A		(11)	01		TXRSOB 06 05A	
KA539	TDD	AQ	06B		TXXRCQ	00	=		REQUEST CONTROL F/F
KA539	TDD	AQ	07B		(13)	01		TXXRCA 15 07B	
KA418	TS8	E1	31B		TXXRCO	00	=		REQUEST INPUTS
KA418	TS8	E1	29B		(59)	01		TREQ4A TWRQ1A TLPT5A TNSGCA TNSGEA TFST6A TINT2A TINT6A 55 29B 60 28A 61 32B 62 29A 64 30A 66 31A 68 32A 70 33A	

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO.	149016	REV. E	INDEX	TXXREI
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	357

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
					TXXREI	00	=		
XA436	TDD	JI	32A		( )	01		TXGN4A 68 32A	
					TXXREN	00	=		
XA436	TDD	JN	33A		( )	01		TXEAOA 70 33A	
XA436	TDD	JP	31B		TXXREP	00	=		
XA436	TDD	JP	31A		(59)	01		TXRSOB 66 31A	
XA436	TDD	JQ	32B		TXXREQ	00	=		REQUEST ENABLE F/F
XA436	TDD	JQ	33B		(61)	01		TXXROP 63 33B	
					TXXROI	00	=		
XA435	TDD	KI	29A		( )	01		TXXR2P 62 29A	
					TXXRON	00	=		
XA435	TDD	KN	28A		( )	01		T16MHO 60 28A	
XA435	TDD	KP	30B		TXXROP	00	=		
XA435	TDD	KP	30A		(57)	01		TXXRCQ 64 30A	
XA435	TDD	KQ	29B		TXXROQ	00	=		REQUEST STROBE COUNTER BIT 0
XA435	TDD	KQ	28B		(55)	01		SPIO11 53 28B	
					TXXR1I	00	=		
XA436	TDD	KI	29A		( )	01		TXXROQ 62 29A	
					TXXR1N	00	=		
XA436	TDD	KN	28A		( )	01		T16MHO 60 28A	
XA436	TDD	KP	30B		TXXR1P	00	=		
XA436	TDD	KP	30A		(57)	01		TXXRCQ 64 30A	
XA436	TDD	KQ	29B		TXXR1Q	00	=		REQUEST STROBE COUNTER BIT 1
XA436	TDD	KQ	28B		(55)	01		SPIO11 53 28B	

3-2880-1

357

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC.
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6
REV. E
DATE 09-03-82
INDEX TXXR2I
PAGE 358

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
					TXXR2I	00	=		
XA434	TDD	LI	38B		( )	01		TXXR1Q	
								77 38B	
					TXXR2N	00	=		
XA434	TDD	LN	39B		( )	01		T16MH0	
								79 39B	
XA434	TDD	LP	37A		TXXR2P	00	=		
XA434	TDD	LP	37B		(76)	01		TXXRCQ	
								75 37B	
XA434	TDD	LQ	38A		TXXR2Q	00	=		REQUEST STROBE COUNTER BIT 2
XA434	TDD	LQ	39A		(78)	01		SPI011	
								80 39A	
XA439	TQ2	C2	15A		TXX04A	00	=		
XA439	TQ2	C2	16A		(30)	01		TXXB00 TXXA40	
								34 16A 36 17A	
XA433	TD4	C2	16B		TXX05A	00	=		
XA433	TD4	C2	15A		(33)	01		TXXB0P TXXB2P TXXA0P TXXA1Q	
								30 15A 31 15B 34 16A 36 17A	
XA439	TQ2	C3	16B		TXX050	00	=		I/O BYTE COUNT=0,STATE=5
XA439	TQ2	C3	14B		(33)	01		TXX05A SPI011	
								29 14B 31 15B	
XA431	TT3	B3	13B		TX0DEA	00	=		OFR RECEIVE DATA PARITY ERROR
XA431	TT3	B3	10B		(27)	01		TX0FRS TXR0PPR TXXA50	
								21 10B 23 11B 25 12B	
XA432	TQ2	B2	09A		TX0DRA	00	=		OFR RESET STROBE
XA432	TQ2	B2	10A		(14)	01		TX0FRS TXXB10	
								18 10A 20 11A	
XA430	TT3	C1	17A		TX0D0A	00	=		OFR RECEIVE DATA STRBE BYTE 0
XA430	TT3	C1	18A		(36)	01		TX0FRS TXXB20 TXXA50	
								38 18A 40 19A 42 20A	
XA430	TT3	C2	15B		TX0D1A	00	=		OFR RECEIVE DATA STRBE BYTE 1
XA430	TT3	C2	14B		(31)	01		TX0FRS TXXB30 TXXA50	
								29 14B 30 15A 34 16A	
XA430	TT3	C3	19B		TX0D2A	00	=		OFR RECEIVE DATA STRBE BYTE 2
XA430	TT3	C3	16B		(39)	01		TX0FRS TXXB40 TXXA50	
								33 16B 35 17B 37 18B	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER 149016-860 UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU		LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX TXOD3A PAGE 359

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA430	TT3	D1	23A		TXOD3A	00	=		OFR RECEIVE DATA STRBE BYTE 3
XA430	TT3	D1	24A		(50)	01		TXOFRS TXXB50 TXXA50 52 24A 54 25A 56 26A	
XA430	TT3	B2	09B		TXOFRR	00	=		
XA430	TT3	B2	09A		(19)	01		TXOFRS TXXBOA TXRSOB 14 09A 17 08B 8 10A	
XA426	TQ2	F1	37B		TXOFRS	00	=		OFR COMMAND STORE F/F
XA426	TQ2	F1	38B		(75)	01		TXOFRR TXOROA 77 38B 79 39B	
XA426	TQ2	B4	13B		TXOFRO	00	=		
XA426	TQ2	B4	11B		(27)	01		TXRO98T SPI007 23 11B 25 12B	
XA439	TQ2	C4	19B		TXONLO	00	=		
XA439	TQ2	C4	17B		(39)	01		TXASLA TXBSLA 35 17B 37 18B	
XA429	TD4	A2	04B		TXOROA	00	=		
XA429	TD4	A2	02B		(09)	01		TXCA10 TXDEVA TXOFRO TBUSYA 01 02B 04 04A 05 03B 07 03A	
					TX1MAI	00	=		
XA416	TDD	KI	29A		( )	01		TX1MBP 62 29A	
					TX1MAN	00	=		
XA416	TDD	KN	28A		( )	01		TO4MHJ 60 28A	
XA416	TDD	KP	30B		TX1MAP	00	=		
XA416	TDD	KP	30A		(57)	01		SPI006 64 30A	
XA416	TDD	KQ	29B		TX1MAQ	00	=		SYNC CLOCK BIT 0
XA416	TDD	KQ	28B		(55)	01		SPI003 53 28B	
					TX1MBI	00	=		
XA417	TDD	KI	29A		( )	01		TX1MAQ 62 29A	
					TX1MBN	00	=		
XA417	TDD	KN	28A		( )	01		TO4MHJ 60 28A	

3-2880-1

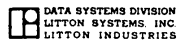|								
DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER UNIT ASSEMBLY NAME	149016-860 CARD CAGE ASSY,A,IFCU		LOGIC		UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6	REV. E DATE 09-03-82	INDEX TX1MBP PAGE 360

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA417	TDD	KP	30B		TX1MBP	00	=		
XA417	TDD	KP	30A		(57)	01		SP1006 / 64 30A	
XA417	TDD	KQ	29B		TX1MBQ	00	=		SYNC CLOCK BIT 1
XA417	TDD	KQ	28B		(55)	01		SP1003 / 53 28B	
XA519	TQ2	A3	04B		T002MA	00	=		MAIN COUNT 100MS
XA519	TQ2	A3	02A		(09)	01		TC31BP TC32BQ / 03 02A 07 03A	
XA520	TQ2	B1	12A		T002MO	00	=		
XA520	TQ2	B1	13A		(22)	01		T002MA SP1013 / 24 13A 26 14A	
XA519	TQ2	A1	05A		T003MA	00	=		MAIN COUNT 3MS
XA519	TQ2	A1	06A		(06)	01		TC32BP TC33BQ / 08 06A 10 07A	
XA520	TQ2	A1	05A		T003MO	00	=		
XA520	TQ2	A1	06A		(06)	01		T003MA SP1021 / 08 06A 10 07A	
XA412	TQ2	A4	07B		T009SA	00	=		MAIN COUNT 9S
XA412	TQ2	A4	05B		(15)	01		TC63BQ TC64BP / 11 05B 13 06B	
XA519	TQ2	A2	02B		T030MA	00	=		MAIN COUNT 50MS
XA519	TQ2	A2	04A		(01)	01		TC42BP TC43BQ / 04 04A 05 03B	
XA520	TQ2	A2	02B		T030MO	00	=		
XA520	TQ2	A2	04A		(01)	01		T030MA SP1021 / 04 04A 05 03B	
XA433	TD4	F2	35A		T033MA	00	=		MAIN COUNT 62MS
XA433	TD4	F2	36A		(69)	01		TC42BP TC32BP TC33BQ SP1010 / 71 36A 72 34A 73 36B 74 35B	
XA520	TQ2	A3	04B		T033MO	00	=		
XA520	TQ2	A3	02A		(09)	01		T033MA SP1021 / 03 02A 07 03A	
XA525	TD4	D2	24B		T066MA	00	=		WRITE COUNT 37US
XA525	TD4	D2	23B		(45)	01		TC40BQ TC41BP TC30BQ TC31BP / 43 23B 46 21A 48 22A 50 23A	

3-2680-1

| DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES | DRAWING NUMBER | 149016-860 | LOGIC | UNIT ASSEMBLY NO. | 149016 | REV. E | INDEX | T080UA |
| UNIT ASSEMBLY NAME | CARD CAGE ASSY,A,IFCU | | | FILE IDENT | T39CIFC6 | DATE 09-03-82 | PAGE | 361 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG- NATOR	FACTOR	COMMENT
XA519	TQ2	B2	09A		T080UA	00	=	MAIN COUNT 30US	
XA519	TQ2	B2	10A		(14)	01		TC14BP TC13BQ 18 10A 20 11A	
XA520	TQ2	B2	09A		T080U0	00	=		
XA520	TQ2	B2	10A		(14)	01		T080UA SPI021 18 10A 20 11A	
XA525	TD4	F2	35A		T082MA	00	=	MAIN COUNT 15MS	
XA525	TD4	F2	36A		(69)	01		TC42BQ TC31BP TC43BP SPI014 71 36A 72 34A 73 36B 74 35B	
XA522	TQ2	F2	34A		T082M0	00	=		
XA522	TQ2	F2	36A		(72)	01		T082MA SPI022 71 36A 73 36B	
XA527	TS8	F1	37A		T198UA	00	=	WRITE COUNT 158US	
XA527	TS8	F1	36A		(76)	01		TC90BP TC91BQ TC83BQ TC84BP TC72BQ TC73BP SPI025 SPI024 71 36A 72 34A 73 36B 74 35B 75 37B 77 38B 78 38A 79 39B	
XA522	TQ2	F1	37B		T198U0	00	=		
XA522	TQ2	F1	38B		(75)	01		T198UA SPI022 77 38B 79 39B	
XA407	TQ2	D3	24B		T200MA	00	=	MAIN COUNT 500MS	
XA407	TQ2	D3	22B		(45)	01		TC51BP TC52BQ 41 22B 43 23B	
XA520	TQ2	A4	07B		T200M0	00	=		
XA520	TQ2	A4	05B		(15)	01		T200MA SPI021 11 05B 13 06B	
XA519	TQ2	A4	07B		T300MA	00	=	MAIN COUNT 300MS	
XA519	TQ2	A4	05B		(15)	01		TC52BP TC53BQ 11 05B 13 06B	
XA527	TS8	E1	31B		T399UA	00	=	WRITE COUNT 319US	
XA527	TS8	E1	29B		(59)	01		TC90BQ TC91BP TC83BQ TC84BP TC73BQ TC74BP SPI024 SPI022 55 29B 60 28A 61 32B 62 29A 64 30A 66 31A 68 32A 70 33A	
XA523	TQ2	F3	35A		T399U0	00	=		
XA523	TQ2	F3	34B		(69)	01		T399UA SPI022 65 34B 74 35B	
XA505	TQ2	A1	05A		UBSY1A	00	=		
XA505	TQ2	A1	06A		(06)	01		TDIRSQ TEOTOS 08 06A 10 07A	
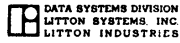
3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC		UNIT ASSEMBLY NO.	149016	REV. E	INDEX	UBOT3DX4
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU				FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	362

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR			COMMENT
KA545	DCF	A5	08B		UBOT3DX4	00	=			BOT 3 RECEIVER	
KA545	DCF	A5		05A	(14)	01		SPIO29 06 05A			
KA545	DCF	A6	07A		UBOT30X	00	=				
KA545	DCF	A6		06A	(10)	01		SPIO13 08 06A			
KA545	DCF	A7	02A		UBOT4DX4	00	=			BOT 4 RECEIVER	
KA545	DCF	A7		05A	(01)	01		SPIO29 06 . 05A			
KA545	DCF	A8	03A		UBOT40X	00	=				
KA545	DCF	A8		04A	(03)	01		SPIO15 04 04A			
KA430	TT3	D2	23B		UEB0CA	00	=				
KA430	TT3	D2		22B	(43)	01		TTAS10 TXR0CR TXDV1B 41 22B 46 21A 48 22A			
KA430	TT3	E2	29B		UEB1CA	00	=				
KA430	TT3	E2		28B	(55)	01		TTAS10 TXR1CR TXDV1B 53 28B 60 28A 62 29A			
KA430	TT3	E3	33B		UEB2CA	00	=				
KA430	TT3	E3		30B	(63)	01		TTAS10 TXR2CR TXDV1B 57 30B 59 31B 61 32B			
KA430	TT3	F3	39A		UEB3CA	00	=				
KA430	TT3	F3		35A	(80)	01		TTAS10 TXR3CR TXDV1B 69 35A 76 37A 78 38A			
KA524	TT3	B2	09B		UEOT1R	00	=				
KA524	TT3	B2		09A	(19)	01		UEOT1S UEOT3A TEOTOS 14 09A 17 08B 18 10A			
KA523	TQ2	B2	09A		UEOT1S	00	=			EOT COUNTER BIT 1	
KA523	TQ2	B2		10A	(14)	01		UEOT1R UEOT2A 18 10A 20 11A			
KA524	TT3	B3	13B		UEOT2A	00	=				
KA524	TT3	B3		10B	(27)	01		TEOTOS UEOT2R TSCL1B 21 10B 23 11B 25 12B			
KA522	TQ2	B4	13B		UEOT2R	00	=				
KA522	TQ2	B4		11B	(27)	01		UEOT2S TEOTOS 23 11B 25 12B			

3-2880-1

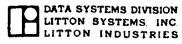|				
DATA SYSTEMS DIVISION **LITTON SYSTEMS, INC.** **LITTON INDUSTRIES**	DRAWING NUMBER **149016-860** UNIT ASSEMBLY NAME **CARD CAGE ASSY,A,IFCU**	**LOGIC**	UNIT ASSEMBLY NO. **149016** FILE IDENT **T39CIFC6**	REV. **E** DATE **09-03-82** INDEX **UEOT2S** PAGE **363**

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA523	TQ2	B4	13B		UEOT2S	00	=		EOT COUNTER BIT 2
XA523	TQ2	B4	11B		(27)	01		UEOT2R UEOT4A 23 11B 25 12B	
XA522	TQ2	B1	12A		UEOT3A	00	=		
XA522	TQ2	B1	13A		(22)	01		UEOT2S TSCL1B 24 13A 26 14A	
XA545	DCF	B5	16A		UEOT3DX4	00	=		EOT 3 RECEIVER
XA545	DCF	B5	13A		(41)	01		SPI029 36 13A	
XA545	DCF	B6	15A		UEOT30X	00	=		
XA545	DCF	B6	14A		(40)	01		SPI013 38 14A	
XA522	TQ2	B2	09A		UEOT4A	00	=		
XA522	TQ2	B2	10A		(14)	01		UEOT1S TSCL3B 18 10A 20 11A	
XA545	DCF	B7	10A		UEOT4DX4	00	=		EOT 4 RECEIVER
XA545	DCF	B7	13A		(23)	01		SPI029 36 13A	
XA545	DCF	B8	11A		UEOT40X	00	=		
XA545	DCF	B8	12A		(30)	01		SPI015 34 12A	
XA424	MUX	C1	17A		UFPRX1X	00	=		FILE PROTECT MULTIPLEXER
XA424	MUX	C1	16B		(36)	01		TFPR1OX TADSAOX UFPR30X SPI006 UFPR40X SPI007 SPI008 SPI003 35 16B 37 17B 39 18B 41 19B 43 22B 45 23B 47 23A 50 24A	
XA424	MUX	C2	18A		UFPRX2X	00	=		
XA424	MUX	C2	21A		(38)	01		TTS2BS TTS3BS TTS4BS TXGN6A 46 21A 42 20A 40 19A 48 22A	
XA545	DCF	C5	31B		UFPR3DX4	00	=		FILE PROTECT 3 RECEIVER
XA545	DCF	C5	29A		(60)	01		SPI029 52 29A	
XA545	DCF	C6	31A		UFPR30X	00	=		
XA545	DCF	C6	30A		(57)	01		SPI013 54 30A	
XA545	DCF	C7	25A		UFPR4DX4	00	=		FILE PROTECT 4 RECEIVER
XA545	DCF	C7	29A		(43)	01		SPI029 52 29A	

3-2880-1

| DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES | DRAWING NUMBER UNIT ASSEMBLY NAME | 149016-860 CARD CAGE ASSY,A,IFCU | LOGIC | UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6 | REV. E DATE 09-03-82 | INDEX UFPR40X PAGE 364 |

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA545	DCF	C8	26A		UFPR40X	00	=		
XA545	DCF	C8	28A		(48)	01		SPI015 / 50 28A	
XA509	TT3	E1	30A		UINT7A	00	=		
XA509	TT3	E1	31A		(64)	01		TXGN2A TDIRIS TSCL3B / 66 31A 68 32A 70 33A	
XA446	DCF	D1	32B		UMALFDX	00	=		MALFUNCTION RECEIVER
XA446	DCF	D1	36A		(65)	01		SPI018 / 72 36A	
XA446	DCF	D2	33B		UMALFOX	00	=		
XA446	DCF	D2	34B		(69)	01		SPI012 / 71 34B	
XA546	DCF	C5	31B		URDBSDX4	00	=		READ STATUS RECEIVER
XA546	DCF	C5	29A		(60)	01		SPI029 / 52 29A	
XA546	DCF	C6	31A		URDBSOX	00	=		
XA546	DCF	C6	30A		(57)	01		SPI013 / 54 30A	
XA423	MUX	C1	17A		URDYX1X	00	=		READY MULTIPLEXER
XA423	MUX	C1	16B		(36)	01		TRDY10X URDY20X URDY30X SPI003 URDY40X SPI008 SPI006 SPI007 / 35 16B 37 17B 39 18B 41 19B 43 22B 45 23B 47 23A 50 24A	
XA423	MUX	C2	18A		URDYX2X	00	=		
XA423	MUX	C2	21A		(38)	01		TTS2BS TTS3BS TTS4BS TXGN6A / 46 21A 42 20A 40 19A 48 22A	
XA546	DCF	D3	37B		URDY2DX4	00	=		READY 2 RECEIVER
XA546	DCF	D3	36A		(78)	01		SPI029 / 72 36A	
XA546	DCF	D4	36B		URDY20X	00	=		
XA546	DCF	D4	35B		(75)	01		SPI030 / 73 35B	
XA546	DCF	D5	38B		URDY3DX4	00	=		READY 3 RECEIVER
XA546	DCF	D5	36A		(80)	01		SPI029 / 72 36A	
XA546	DCF	D6	38A		URDY30X	00	=		
XA546	DCF	D6	37A		(76)	01		SPI013 / 74 37A	

3-2880-1

			DRAWING NUMBER	149016-860			LOGIC		UNIT ASSEMBLY NO. 149016		REV. E	INDEX URDY4DX4
DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES			UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU					FILE IDENT T39CIFC6		DATE 09-03-82	PAGE 365

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG- NATOR	FACTOR	COMMENT
XA546	DCF	D7	33A		URDY4DX4	00	=		READY 4 RECEIVER
XA546	DCF	D7		36A	(61)	01		SPI029 72 36A	
XA546	DCF	D8	34A		URDY40X	00	=		
XA546	DCF	D8		35A	(68)	01		SPI015 70 35A	
XA545	DCF	D5	38B		UREW3DX4	00	=		REWINDING 3 RECEIVER
XA545	DCF	D5		36A	(80)	01		SPI029 72 36A	
XA545	DCF	D6	38A		UREW30X	00	=		
XA545	DCF	D6		37A	(76)	01		SPI013 74 37A	
XA545	DCF	D7	33A		UREW4DX4	00	=		REWINDING 4 RECEIVER
XA545	DCF	D7		36A	(61)	01		SPI029 72 36A	
XA545	DCF	D8	34A		UREW40X	00	=		
XA545	DCF	D8		35A	(68)	01		SPI015 70 35A	
XA517	TQ2	A3	04B		URRS00	00	=		
XA517	TQ2	A3		02A	(09)	01		UWRT8A TXRS2B 03 02A 07 03A	
XA517	TQ2	A4	07B		URRS10	00	=		
XA517	TQ2	A4		05B	(15)	01		UWRT9A TXRS2B 11 05B 13 06B	
XA506	TQ2	A3	04B		URUN1A	00	=		
XA506	TQ2	A3		02A	(09)	01		TDIRIS TEOT10X 03 02A 07 03A	
XA522	TQ2	A1	05A		URW1CA	00	=		
XA522	TQ2	A1		06A	(06)	01		TTS1BS TREW10X 08 06A 10 07A	
XA522	TQ2	A2	02B		URW2CA	00	=		
XA522	TQ2	A2		04A	(01)	01		TTS2BS TADSBOX 04 04A 05 03B	
XA522	TQ2	A3	04B		URW3CA	00	=		
XA522	TQ2	A3		02A	(09)	01		TTS3BS UREW30X 03 02A 07 03A	

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC LITTON INDUSTRIES	DRAWING NUMBER	149016-860		LOGIC	UNIT ASSEMBLY NO. 149016	REV. E	INDEX URW4CA	
	UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU			FILE IDENT T39CIFC6	DATE 09-03-82	PAGE 366	

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	OR	EQUATION	TERM	DESIG- NATOR	FACTOR	COMMENT
XA522	TQ2	A4	07B		URW4CA	00	=		
XA522	TQ2	A4	05B		(15)	01		TTS4BS UREW4OX 11 05B 13 06B	
XA511	TQ2	F4	39A		USTP50	00	=		
XA511	TQ2	F4	37A		(80)	01		TSNCOS TBUSYS 76 37A 78 38A	
XA546	DCF	C7	25A		UWDBSUX4	00	=		WRITE STATUS RECEIVER
XA546	DCF	C7	29A		(43)	01		SPI029 52 29A	
XA546	DCF	C8	26A		UWDBSOX	00	=		
XA546	DCF	C8	28A		(48)	01		SPI015 50 28A	
XA512	TQ2	F3	35A		UWDDGO	00	=		
XA512	TQ2	F3	34B		(69)	01		UW4BCA UW5BCA 65 34B 74 35B	
XA512	TQ2	F4	39A		UWDDHO	00	=		
XA512	TQ2	F4	37A		(80)	01		UW4BCA UW5BCA 76 37A 78 38A	
XA443	TLD	D4	27B		UWLCPD	00	=		TWD8PB4 BUSS
XA443	TLD	D4	25B		(51)	01		UWDDHO UWLCPQ 47 25B 49 26B	
XA540	EOR	B3	14A		UWLCPER	00	=		
XA540	EOR	B3	13A		(25)	01		TW07BPR UWLCPQ 26 13A 24 12A	
					UWLCPI	00	=		
XA539	TDD	C1	13A		( )	01		UWLCPER 24 13A	
					UWLCPN	00	=		
XA539	TDD	CN	14A		( )	01		UWLK00 26 14A	
XA539	TDD	CP	11B		UWLCPP	00	=		
XA539	TDD	CP	12A		(23)	01		SPI031 22 12A	
XA539	TDD	CQ	12B		UWLCPQ	00	=		
XA539	TDD	CQ	13B		(25)	01		UWLSOA 27 13B	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC.
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

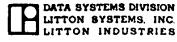UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX UWLCOD
PAGE 367

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR				COMMENT
XA443	TLD	E1	31A		UWLCOD	00	=				TWDB0B4	BUSS
XA443	TLD	E1	32A		(66)	01		UWDDG0	UWLCOQ			
								68 32A	70 33A			
XA540	EOR	B4	11A		UWLCOER	00	=					
XA540	EOR	B4	10A		(22)	01		TWOODTA	UWLCOQ			
								20 10A	18 09A			
					UWLCOI	00	=					
XA539	TDD	EI	19A		( )	01		UWLCOER				
								40 19A				
					UWLCON	00	=					
XA539	TDD	EN	20A		( )	01		UWLK00				
								42 20A				
XA539	TDD	EP	17B		UWLCOP	00	=					
XA539	TDD	EP	18A		(35)	01		SPI031				
								38 18A				
XA539	TDD	EQ	18B		UWLCOQ	00	=					
XA539	TDD	EQ	19B		(37)	01		UWLS0A				
								39 19B				
XA443	TLD	E2	28A		UWLC1D	00	=				TWDB1B4	BUSS
XA443	TLD	E2	29A		(60)	01		UWDDG0	UWLC1Q			
								62 29A	64 30A			
XA540	EOR	C1	16B		UWLC1ER	00	=					
XA540	EOR	C1	15B		(33)	01		TWOODTB	UWLC1Q			
								31 15B	29 14B			
					UWLC1I	00	=					
XA539	TDD	FI	16A		( )	01		UWLC1ER				
								34 16A				
					UWLC1N	00	=					
XA539	TDD	FN	15A		( )	01		UWLK00				
								30 15A				
XA539	TDD	FP	16B		UWLC1P	00	=					
XA539	TDD	FP	17A		(33)	01		SPI031				
								36 17A				
XA539	TDD	FQ	15B		UWLC1Q	00	=					
XA539	TDD	FQ	14B		(31)	01		UWLS0A				
								29 14B				

3-2880-1

367

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER: 149016-860
UNIT ASSEMBLY NAME: CARD CAGE ASSY,A,IFCU

LOGIC

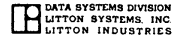UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82

INDEX UWLC2D
PAGE 368

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR				COMMENT	
XA443	TLD	E3	30B		UWLC2D	00	=					TWDB2B4	BUSS
XA443	TLD	E3	28B		(57)	01		UWDDG0	UWLC2Q				
								53 28B	55 29B				
XA540	EOR	C2	19B		UWLC2ER	00	=						
XA540	EOR	C2	18B		(39)	01		TWOODTC	UWLC2Q				
								37 18B	35 17B				
					UWLC2I	00	=						
XA539	TDD	GI	25A		(.)	01		UWLC2ER					
								54 25A					
					UWLC2N	00	=						
XA539	TDD	GN	26A		( )	01		UWLK00					
								56 26A					
XA539	TDD	GP	25B		UWLC2P	00	=						
XA539	TDD	GP	24A		(47)	01		SPI031					
								52 24A					
XA539	TDD	GQ	26B		UWLC2Q	00	=						
XA539	TDD	GQ	27B		(49)	01		UWLS0A					
								51 27B					
XA443	TLD	E4	33B		UWLC3D	00	=					TWDB3B4	BUSS
XA443	TLD	E4	31B		(63)	01		UWDDG0	UWLC3Q				
								59 31B	61 32B				
XA540	EOR	C3	20A		UWLC3ER	00	=						
XA540	EOR	C3	19A		(42)	01		TWOODTD	UWLC3Q				
								40 19A	38 18A				
					UWLC3I	00	=						
XA539	TDD	HI	22A		( )	01		UWLC3ER					
								48 22A					
					UWLC3N	00	=						
XA539	TDD	HN	21A		( )	01		UWLK00					
								46 21A					
XA539	TDD	HP	24B		UWLC3P	00	=						
XA539	TDD	HP	23A		(45)	01		SPI031					
								50 23A					
XA539	TDD	HQ	23B		UWLC3Q	00	=						
XA539	TDD	HQ	22B		(43)	01		UWLS0A					
								41 22B					

3-2880-1

	DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER	149016-860	LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	UWLC4D
		UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU		FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	369

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR		COMMENT
XA443	TLD	F1	37B		UWLC4D	00	=		TWDB4B4	BUSS
XA443	TLD	F1	38B		(75)	01		UWDDHO UWLC4Q 77 38B 79 39B		
XA540	EOR	C4	17A		UWLC4ER	00	=			
XA540	EOR	C4	16A		(36)	01		TW04DTA UWLC4Q 34 16A 30 15A		
					UWLC4I	00	=			
XA539	TDD	JI	32A		( )	01		UWLC4ER 68 32A		
					UWLC4N	00	=			
XA539	TDD	JN	33A		( )	01		UWLK10 70 33A		
XA539	TDD	JP	31B		UWLC4P	00	=			
XA539	TDD	JP	31A		(59)	01		SPIO31 66 31A		
XA539	TDD	JQ	32B		UWLC4Q	00	=			
XA539	TDD	JQ	33B		(61)	01		UWLSOA 63 33B		
XA443	TLD	F2	34A		UWLC5D	00	=		TWDB5B4	BUSS
XA443	TLD	F2	36A		(72)	01		UWDDHO UWLC5Q 71 36A 73 36B		
XA540	EOR	D1	24B		UWLC5ER	00	=			
XA540	EOR	D1	23B		(45)	01		TW04DTB UWLC5Q 43 23B 41 22B		
					UWLC5I	00	=			
XA539	TDD	KI	29A		( )	01		UWLC5ER 62 29A		
					UWLC5N	00	=			
XA539	TDD	KN	28A		( )	01		UWLK10 60 28A		
XA539	TDD	KP	30B		UWLC5P	00	=			
XA539	TDD	KP	30A		(57)	01		SPIO31 64 30A		
XA539	TDD	KQ	29B		UWLC5Q	00	=			
XA539	TDD	KQ	28B		(55)	01		UWLSOA 53 28B		
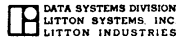
3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC
LITTON INDUSTRIES

DRAWING NUMBER 149016-860
UNIT ASSEMBLY NAME CARD CAGE ASSY,A,IFCU

LOGIC

UNIT ASSEMBLY NO. 149016
FILE IDENT T39CIFC6

REV. E
DATE 09-03-82
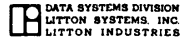
INDEX UWLC6D
PAGE 370

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR			COMMENT
XA443	TLD	F3	35A		UWLC6D	00	=			TWDB6B4 BUSS	
XA443	TLD	F3	34B		(69)	01		UWDDHO UWLC6Q			
								65 34B 74 35B			
XA540	EOR	D2	27B		UWLC6ER	00	=				
XA540	EOR	D2	26B		(51)	01		TWO4DTC UWLC6Q			
								49 26B 47 25B			
XA539	TDD	LI	38B		UWLC6I	00	=				
					( )	01		UWLC6ER			
								77 38B			
XA539	TDD	LN	39B		UWLC6N	00	=				
					( )	01		UWLK10			
								79 39B			
XA539	TDD	LP	37A		UWLC6P	00	=				
XA539	TDD	LP	37B		(76)	01		SPI031			
								75 37B			
XA539	TDD	LQ	38A		UWLC6Q	00	=				
XA539	TDD	LQ	39A		(78)	01		UWLSOA			
								80 39A			
XA443	TLD	F4	39A		UWLC7D	00	=			TWDB7B4 BUSS	
XA443	TLD	F4	37A		(80)	01		UWDDHO UWLC7Q			
								76 37A 78 38A			
XA540	EOR	D3	26A		UWLC7ER	00	=				
XA540	EOR	D3	25A		(56)	01		TWO4DTD UWLC7Q			
								54 25A 52 24A			
XA539	TDD	MI	36A		UWLC7I	00	=				
					( )	01		UWLC7ER			
								71 36A			
XA539	TDD	MN	34A		UWLC7N	00	=				
					( )	01		UWLK10			
								72 34A			
XA539	TDD	MP	35A		UWLC7P	00	=				
XA539	TDD	MP	36B		(69)	01		SPI031			
								73 36B			
XA539	TDD	MQ	35B		UWLC7Q	00	=				
XA539	TDD	MQ	34B		(74)	01		UWLSOA			
								65 34B			

3-2880-1

DATA SYSTEMS DIVISION LITTON SYSTEMS, INC. LITTON INDUSTRIES	DRAWING NUMBER UNIT ASSEMBLY NAME	149016-860 CARD CAGE ASSY,A,IFCU			LOGIC	UNIT ASSEMBLY NO. 149016 FILE IDENT T39CIFC6		REV. E DATE 09-03-82	INDEX UWLKOA PAGE 371

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIG-NATOR	FACTOR	COMMENT
XA516	TQ2	D4	27B		UWLKOA	00	=		
XA516	TQ2	D4	25B		(51)	01		TWRI2S TWDBCO 47 25B 49 26B	
XA517	TQ2	C3	16B		UWLK00	00	=		
XA517	TQ2	C3	14B		(33)	01		UWLKOA SPI021 29 ·14B 31 15B	
XA517	TQ2	C4	19B		UWLK10	00	=		
XA517	TQ2	C4	17B		(39)	01		UWLKOA SPI021 35 17B 37 18B	
XA517	TQ2	C2	15A		UWLSOA	00	=		
XA517	TQ2	C2	16A		(30)	01		UWLS00 SPI021 34 16A 36 17A	
XA516	TQ2	D3	24B		UWLS00	00	=		
XA516	TQ2	D3	22B		(45)	01		TWENOA SPI021 41 22B 43 23B	
XA518	TT3	F3	39A		UWRICO	00	=		
XA518	TT3	F3	35A		(80)	01		TWRI2R UWRIOA TLCC1R 69 35A 76 37A 78 38A	
XA512	TQ2	E2	28A		UWRIOA	00	=		
XA512	TQ2	E2	29A		(60)	01		TWRITQ TWRG1S 62 29A 64 30A	
XA518	TT3	A3	07B		UWRT8A	00	=		
XA518	TT3	A3	04B		(15)	01		TWRT30 TXR2CR TXDV1B 09 04B 11 05B 13 06B	
XA518	TT3	B1	11A		UWRT9A	00	=		
XA518	TT3	B1	12A		(20)	01		TWRT30 TXR3CR TXDV1B 22 12A 24 13A 26 14A	
XA518	TT3	E2	29B		UW4BCA	00	=		
XA518	TT3	E2	28B		(55)	01		TWRITQ TWRG1S TXGN2A 53 28B 60 28A 62 29A	
XA524	TT3	F1	36B		UW5BCA	00	=		
XA524	TT3	F1	37B		(73)	01		TWRITQ TLCC2S TXGN2A 75 37B 77 38B 79 39B	
XA522	TQ2	F4	39A		U078U0	00	=		
XA522	TQ2	F4	37A		(80)	01		SPI031 SPI022 76 37A 78 38A	

3-2880-1

DATA SYSTEMS DIVISION
LITTON SYSTEMS, INC.
LITTON INDUSTRIES

DRAWING NUMBER	149016-860		LOGIC	UNIT ASSEMBLY NO.	149016	REV. E	INDEX	U1658A
UNIT ASSEMBLY NAME	CARD CAGE ASSY,A,IFCU			FILE IDENT	T39CIFC6	DATE 09-03-82	PAGE	372

CONNECTOR	CIRCUIT TYPE	GROUP	TEST POINTS AND	TEST POINTS OR	EQUATION	TERM	DESIGNATOR	FACTOR	COMMENT
XA502	TS8	E1	31B		U1658A	00	=		WRITE COUNT 36-38US
XA502	TS8	E1	29B		(59)	01		TC90BP TC91BQ TC80BP TC84BP TC70BQ TC73BP SPI012 SPI018 55 29B 60 28A 61 32B 62 29A 64 30A 66 31A 68 32A 70 33A	
XA523	TQ2	F4	39A		U1658O	00	=		
XA523	TQ2	F4	37A		(80)	01		U1658A SPI022 76 37A 78 38A	
XA527	TS8	D1	25B		U3618A	00	=		WRITE COUNT 16-18US
XA527	TS8	D1	23B		(47)	01		TC90BQ TC91BP TC80BP TC81BQ TC70BQ TC73BP SPI022 SPI024 43 23B 46 21A 48 22A 49 26B 50 23A 52 24A 54 25A 56 26A	
XA523	TQ2	F2	34A		U3618O	00	=		
XA523	TQ2	F2	36A		(72)	01		U3618A SPI022 71 36A 73 36B	

3-2880-1

By Order of the Secretaries of the Army, the Navy and the Air Force:

JOHN A. WICKHAM JR.
General, United States Army
Chief of Staff

Official:

ROBERT M. JOYCE
Major General, United States Army
The Adjutant General

G. B. SCHICK, JR.
Rear Admiral, United States Navy
Commander, Naval Electronic
Systems Command

Official:

JAMES P. MULLINS
General, USAF, Commander, Air Force
Logistics Command

CHARLES A. GABRIEL
General, USAF
Chief of Staff

DISTRIBUTION:

To be distributed in accordance with DA Form 12-51A-1,
Direct and General Support Maintenance requirements for
AN/TTC-39 and AN/TYC-39.

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS

SOMETHING WRONG WITH PUBLICATION

THEN...JOT DOWN THE DOPE ABOUT IT ON THIS FORM. CAREFULLY TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL.

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER	PUBLICATION DATE	PUBLICATION TITLE

BE EXACT   PIN-POINT WHERE IT IS

PAGE NO.	PARA-GRAPH	FIGURE NO.	TABLE NO.

IN THIS SPACE, TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT.

PRINTED NAME, GRADE OR TITLE AND TELEPHONE NUMBER

SIGN HERE

TEAR ALONG PERFORATED LINE

DA FORM 1 JUL 79 **2028-2**

PREVIOUS EDITIONS ARE OBSOLETE.

P.S.--IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.