

TECHNICAL MANUAL

ILLUSTRATED PARTS BREAKDOWN

LINE SWITCH,

SUBSYSTEM SN508(V)/UYQ

PART NUMBER 104088

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HEADQUARTERS, DEPARTMENT OF THE ARMY
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DEPARTMENT OF THE ARMY
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By Order of the Secretary of the Army

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" # D0741 (1)
" # H0534 (1)
" # A0049 (1)
" # S0392 (3)
" # J0861 (10)
" # C0214 (2)

NG: NONE

USAR: NONE

For explanation of abbreviations see, AR 310-50.

ILLUSTRATED PARTS BREAKDOWN TECHNICAL MANUAL

LINE SWITCH, SUBSYSTEM

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**LINE SWITCH, SUBSYSTEM
ILLUSTRATED PARTS BREAKDOWN**

SECTION I

INTRODUCTION

1-1. **GENERAL** This Illustrated Parts Breakdown (IPB) Technical Manual (TM) lists and describes the items necessary for the support of the Line Switch, Subsystem, a separate individual assembly used in conjunction with one or more Automated Communication Terminal configurations of the General Communications Network. The manual is divided into four sections: Section I, Introduction; Section II, Group Assembly Parts List (GAPL); Section III, Numerical Index; and Section IV, Reference Designation Index. It is used for requisitioning, storing, issuing and identifying parts. It is also used to illustrate assembly disassembly relationships.

1-2. **SCOPE** This IPB TM reflects the listing of repair parts and/or assemblies. Under certain conditions, when ordering replacement parts; only a complete assembly or subassembly may be obtainable. Although the part or parts necessary are separately listed in the GAPL (Section II), and are under the specific assembly or subassembly, they cannot be obtained alone; i.e., Electrical Power Cable Assembly, Part No. 103207 (in the Expanded Power Supply Chassis - NO. 103039-01).

1-3. **GROUP ASSEMBLY PARTS LIST.** This section contains the complete group assembly parts list separated into figures by main groups, or assemblies, and keyed to the associated illustration, by figure and index numbers. The GAPL listing may be arranged in either seven or eight columns: Figure and Index Number; Reference Designation column alone or with a separate Locator column; Description of Item; Part Number; (Manufacturer's) Code Identification Number; Units per Assembly; and Usable on Code column.

1-3.1 **Figure and Index Number Column.** The first item in the figure and index number column is the figure number of the illustration of the assembly listed. The figure number is not repeated thereafter except with the first item of listings continued on succeeding pages. The second number is the index number to key the part to the illustration callout. Identical parts occurring in the same general location on the equipment are illustrated and indexed but once. The relation of each part to its Next Higher -Assembly note. However, since certain (particular) illustrations may be delineated by a grid pattern, certain index numbers (callouts) may be used to indicate the location of different components (more than one) within a particular grid subdivision. In other illustrations, multiple use of the same index callout number may be used; these illustrations may not necessarily have a grid pattern incorporated.

1-3.2 **Reference Designation Column.** This column contains all reference designations used in this IPB and assigned in the unit.

1-3.3 Locator Column. This optional column is used when an illustration or figure represents a circuit card or similar assembly which is subdivided by a grid pattern (usually delineated on the card assembly by the manufacturer). The alphanumeric code used in this column delineates the close location of the particular component(s). Where a letter may be absent in the code, this indicates an opted choice on the part of the designer to obviate possible error in identification. When both a letter and number code is absent, or a reference designation (sequential) is missing, this will indicate that either the component is not used or the particular grid space remains devoid of components.

1-3.4 Description Column. The names used are the same as those assigned on the manufacturing drawings or in the Defense Supply Agency Cataloging Handbook H6. Attaching parts are listed immediately below the items to which they attach. The relation of each part to its next higher assembly is either shown by indentation or cross reference. Where a descriptor declares "SAME AS xxx," this indicates that this line Item is identical to its first appearance entry in the GAPL.

1-3.4.1 Indentation. Parts listed in this column are indented to indicate item relationship or NHA. The nomenclature of each assembly is followed in the list (except for attaching parts) by the nomenclature of its components indented one column to the right. This indentation indicates the relationship of the component to the assembly. To determine the next higher assembly of a part or assembly, note the column in which the first word of the nomenclature appears. The first item directly above, which appears one column to the left, is the NHA (except for attaching parts).

1-3.4.2 Cross-Reference. The notation ("See Fig. for det breakdown") following the description of a part indicates that further breakdown of the part will be shown on the figure noted. The notation ("See Fig. for NHA") following the description of a part indicates that the correct assembly relationship of the part will be shown on the figure and index number noted.

1-3.5 Part Number Column,

1-3.5.1 Part numbers used in this column are selected according to the following order of preference: military standards, design activity numbers and vendor numbers. When a vendor's number is used and an alternate source is known, the alternate vendor and part numbers is also listed.

1-3.5.2 The part numbers in this manual have been converted by deleting all dashes and spaces between alphabetic and numerical characters. Further, all diagonals (/) denoting fractions in part numbers have been converted to dashes (-) and diagonals between alphabetic and numerical characters have been deleted.

1-3.6 Code Identification Column. The codes listed in this column comprise a five-digit code of the actual manufacturer. This is obtained in accordance with the Federal Supply Code for Manufacturer's Cataloging Handbooks H4-1 and H4-2 and any amendments thereto. Where a coded identification number is not

entered, the individual items responsibility remains that of prime contractor 52483, GTE Information Systems. An alpha numerical listing of the applicable manufacturer's codes for this IPB technical manual is included at the end of Section I, see Table 1-1.

1-3.7 Units Per Assembly Column. The quantity shown in this column represents the units required for one next higher assembly or subassembly. The notation "REF" (reference) indicates this item has been previously listed under its next higher assembly. The "See Fig" notation in the description of the item will indicate the figure and index number at which the units per assembly can be determined.

1-3.8 Usable On Code Column. Usable On Codes shall be employed to indicate specific usability items. The code used will be the same as the revision, i.e., "A" Usable On Code = Revision A, "G1" Usable On Code = Revision G1. The absence of a code indicates that this part is used in all models or revisions covered by this technical manual.

NUMERICAL INDEX. This section contains an alpha numeric listing of all parts that comprise the article.

1-4.1. Part Number Column The order of precedence in beginning the part number arrangement on the first (left-hand) position of the part number is as follows:

Letters A through Z

Numerals 0 through 9

The second and succeeding positions of the part number from left to right are as follows:

- a. Space (blank column)
- b. Diagonal (slant)
- c. Point (period)
- d. Dash (-)
- e. Letters A through Z
- f. Numerals 0 through 9

Alphabetic "O's" are considered as numerical "zeros." "No Number" and "Commercial Parts" are listed in alphabetical sequence by the identifying noun in the part number column.

1-4.2. Figure and Index Number Column. The entries in this column provide a cross-reference by means of figure and index numbers to the listing of the Part number in Section II (GAPL). The figure and index numbers for government standard and contractor standard hardware are listed showing the first appearance only in Section II.

1-4.3 Quantity Per Article. **The quantity shown** in this column is **the** total quantity **required for each article**. The abbreviation "REF" (reference) indicates **that this item** has been listed twice in Section 11 (CAPL), once under its **next higher assembly** with the total quantity used and once as a referenced **item where a detail breakdown** is listed.

1-4.4 Source Code Column. Source codes are entered in the first and second positions of the uniform format and indicate to maintenance and supply personnel the source of acquisition for the item for replacement purposes, i.e., procured, stocked, manufactured, or assembled. Source codes, when and if assigned, are Source, Maintenance and Recoverability Codes assigned in accordance with NAVAIR INST 4423.2.

1-4.5 Repair Code Column. The use of this column shall remain at the discretion of the prime contractor.

1-5 REFERENCE DESIGNATION INDEX.

1-5.1 The Reference Designation Index lists the electrical part reference designation numbers (first column) with their corresponding part numbers (third column) in an alphabetical and numerical sequence. This type of sequence differs from the alphanumeric sequence used described in paragraph 1-4.1 for the Numerical Index. This sequence is shown in the following example:

B1
W1
1A1
3A2R9
3A2R10
3A2R11
etc.

1-5.2 The figure and index numbers for locating a part in Section II (CAPL) appear opposite each reference designation number (in the second column). The part number remains in its original alphanumeric presentation.

1-6. ABBREVIATIONS. Abbreviations used in this manual are in accordance with MIL-STD-12-C.

1-7. HOW TO USE THE ILLUSTRATED PARTS BREAKDOWN

(See following pages)

HOW TO USE THE ILLUSTRATED PARTS BREAKDOWN

SECTION II (Cont)

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 P102 - Complete Wheel Brake Equipment (Cont) 2-384
 P103 - Complete Wheel Brake and Assembly 2-385

WHEN THE PART NUMBER IS NOT KNOWN

- 1 Determine the function and application of the part required. Turn to the Table of Contents and select the appropriate title. Note the illustration page number.
- 2 Turn to the page indicated and locate the desired part on the illustration.
- 3 From the illustration, obtain the index number assigned to the part desired. Refer to the accompanying description for specific information regarding the part.

HOW TO USE THE ILLUSTRATED PARTS BREAKDOWN

**SECTION III
FUSelage STRUCTURE**
NAVAIR 00-00000-0-0

**SECTION IV
REFERENCE DESIGNATION INDEX**
NAVAIR 00-00000-0-0

**SECTION III
GROUP ASSEMBLY PARTS LIST**
NAVAIR 00-00000-0-0

**SECTION III
NUMERICAL INDEX**
NAVAIR 00-00000-0-0

FIGURE AND INDEX NO. | **PART NO.** | **DESCRIPTION** | **UNITS PER ASSY** | **USABLE CODE**

59-1	780217L	SPEED BRAKES - FLAP (UNTIL IN DIVE BRACE (SEE FIG. 283 FOR DIA.)		
59-2	780217H	FLAP (UNTIL IN DIVE BRACE (SEE FIG. 283 FOR DIA.)		
59-3	780217K	YOKE ASSY DIVE FLAP (ATTACHING PARTS)		
59-4	AN801-3-20	NUT		
59-5	780223	WASHER DIVE FLAP (CF)		
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59-14	780232	WASHER (CFP)		
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59-18	780236	NUT (CFP)		
59-19	780237	WASHER (CFP)		
59-20	780238	SCREW (CFP)		
59-21	780239	PIN DIVE FLAP CTL (PARTS KITS AVAILABLE)		
59-22	780240	FLAP ASSY IN DIVE (PARTS KITS AVAILABLE)		
59-23	780241	FLAP ASSY IN DIVE TRACK (CFP) USE UNTIL EXHAUSTED		
59-24	780242	ROLLER DIVE FLAP TRACK (ALTERNATE FOR 780241)		
59-25	780243	ROLLER DIVE FLAP TRACK (ALTERNATE FOR 780242)		
59-26	780244	NUT (CFP)		
59-27	780245	WASHER (CFP)		
59-28	780246	SPACER TRACK ROLLER (CF)		
59-29	780247	FLAP		

WHEN THE PART NUMBER OR REFERENCE DESIGNATION IS KNOWN

- 1 When the part number is known, refer to Section III Numerical Index. Locate the part number and note the figure and index number assigned to the part number.
- 2 Turn to the figure number indicated and locate the index number referenced in the Numerical Index.
- 3 If a pictorial representation of the part, or its location is desired, refer to the same index number on the accompanying illustration.
- 4 When the reference designation is known, refer to Section IV, Reference Designation Index. Locate the reference designation and note the figure and index number and the part number assigned.
- 5 Turn to the figure indicated and locate the index number referenced in the Reference Designation Index.
- 6 If a pictorial representation of the part, or its location is desired, refer to the same index number on the accompanying illustration.

MANUFACTURERS' CODE LIST

CODE	MANUFACTURERS NAME AND ADDRESS
00779	Amp, Inc. P. O. Box 3608 Harrisburg, PA 17105
00853	Sangamo Electric Co. South Carolina Div. P. O. Box 128 Pickens, SC 29671
01295	Texas Instruments, Inc. Semiconductor Group P. O. Box 5012 13500 N. Central Expressway Dallas, TX 75222
01686	RCL Electronics, Inc. 195 McGregor Street Manchester, NH 03102
03508	General Electric Co. Semiconductor Products Dept. Electronics Park Syracuse, NY 13201
04713	Motorola, Inc. Semiconductor Products Div. 5005 E. McDowell Road Phoenix, AZ 85036
05574	Viking Industries, Inc. 21001 Nordhoff Chatsworth, CA 91311
05820	Wakefield Engineering, Inc. Audubon Road Wakefield, MA 01880
06383	Panduit Corporation 17301 Ridgeland Finley Park, Il. 60477
07263	Fairchild Semiconductor Div. of Fairchild Camera & Instrument Corp. 464 Ellis Street Mountain View, CA 94042

MANUFACTURERS' CODE LIST

CODE	MANUFACTURERS NAME AND ADDRESS
07707	USM Corporation USM Fastener Division 510 River Road Shelton, CT 06484
08289	Blinn Delbert Co., Inc. 1678 E. Mission Blvd. P. O. Box 2007 Pomona, CA 91766
08524	Deutsch Fastener Corp. P. O. Box 92925 7001 W. Imperial Hwy. Los Angeles, CA 90045
09353	C and K Components, Inc. 103 Morse Street Watertown, MA 02172
09922	Burndy Corporation Richards Avenue Norwalk, CT 06852
13715	Fairchild Semiconductor Div. of Fairchild Camera & Instrument Corp. 4300 Redwood Hwy. San Rafael, CA 94903
14655	Cornell-Dubilier Electronics Div. of Federal Pacific Electric Co. Govt. Contracts Dept. 150 Avenue L Newark, N. J. 07101
14752	Electro Cube, Inc. 1710 S. Del Mar Avenue San Gabriel, CA 91776
18188	Liberty Controls, Inc. RFD5 Joliet, Il. 60431
21845	Solitron Devices, Inc. Transistor Division 1177 Blue Heron Blvd. Riviera Beach, FL 33404

MANUFACTURERS' CODE LIST

CODE	MANUFACTURERS NAME AND ADDRESS
22526	Berg Electronics, Inc. Youk Expressway New Cumberland, PA 17070
23223	CTS Microelectronics, Inc. 1201 Cumberland Avenue P. O. Box 1278 West Lafayette, IN 47902
23936	Pamotor Div. William J. Purdy Co. 770 Airport Blvd. Burlington, CA 94010
27014	National Semiconductor Corp. 2900 San Ysidro Way Santa Clara, CA 95051
27556	IMB Electronic Product, Inc. 15401 - E Carmenita Road Santa Fe Springs, CA 90670
28520	Heyman Manufacturing Co. 147 N. Michigan Avenue Kenilworth, N. J. 07033
29587	Bunker Ramo Corp. Amphenol Industrial Div. 1830 S. 54th Avenue Chicago, Il. 60650
33809	Texas Instruments, Inc. P. O. Box 5012 13500 N. Central Expressway Dallas, TX 75222
52483	GTE Information Systems, Inc Anaheim Operations 5300 E. La Palma Avenue Anaheim, CA 92807
56289	Sprague Electric Co. North Adams, MA 07247
59730	Thomas and Betts Co. 36 Butler Street Elizabeth, N. J. 07207

MANUFACTURERS' CODE LIST

CODE	MANUFACTURERS NAME AND ADDRESS
70903	Belden Corp. 2000 S. Batavia Avenue Geneva, IL. 60134
71468	ITT Cannon Electric 666 E. Dyer Road Santa Ana, CA 92702
71482	Clare David Co., Inc. 360 Franklin Street Worcester, MA 01604
71785	TRW Electronic Components Cinch Connector Operations 1501 Morse Avenue Elk Grove Village, IL 60007
72136	Electro Motive Corp. Subsidiary of International Electronics Corp. South Park and John Streets Willimantic, CT 06226
72982	Erie Technological Products, Inc. 644 W. 12th Street Erie, PA 16512
73138	Beckman Instruments, Inc. Helipot Division 2500 Harbor Blvd. Fullerton, CA 92634
73803	Texas Instruments, Inc. Metallurgical Materials Division 34 Forest Street Attleboro, MA 02702
74970	E. F. Johnson Co. 299 10th Avenue, S. W. Waseca, MN 56093
75382	Kulka Electric Co. 633-643 S. Fulton Avenue Mt. Vernon, NY 10550
75915	Littelfuse, Inc. 800 E. Northwest Hwy. Des Plaines, IL 60016

MANUFACTURERS' CODE LIST

CODE	MANUFACTURERS NAME AND ADDRESS
78553	Eaton Corp. Engineered Fasteners' Division Tinnerman Plant P. O. Box 6688 8700 Brookpark Road Cleveland, OH 44101
80131	Electronic Industries Association 2001 I N.W. Washington, D. C. 20006
80294	Bourns, Inc. Instrument Division 6145 Magnolia Avenue Riverside, CA 92506
81349	Military Specifications
81352	Air Force - Navy Aeronautical Specifications
83125	Nytronics/Darlington, Inc. Capacitor Division Orange Street Darlington, SC 29532
83330	Herman H. Smith, Inc. 812 Snediker Avenue Brooklyn, NY 11207
84171	ARCO Electronics Community Drive Great Neck, L. I., NY 11022
86928	Seastrom Mfg. Co., Inc. 701 Sonora Avenue Glendale, CA 91201
88044	Aeronautical Standards Group Dept. of Navy and Air Force
91506	Augat, Inc. 33 Perry Avenue Attleboro, MA 02703
92194	Alpha Wire Corp. 711 Lidgerwood Avenue Elizabeth, NJ 07207

MANUFACTURERS' CODE LIST

CODE	MANUFACTURERS NAME AND ADDRESS
95263	Leecraft Mfg. Co., Inc. 21-16 44th Road Long Island City, NY 11101
96906	Military Standards
98978	International Electronic Research Corp. 135 W. Magnolia Blvd. Burbank, CA 91502
99392	STM Corp. 2904 Chapman Street Oakland, CA 94601

SECTION II
GROUP ASSEMBLY PARTS LIST

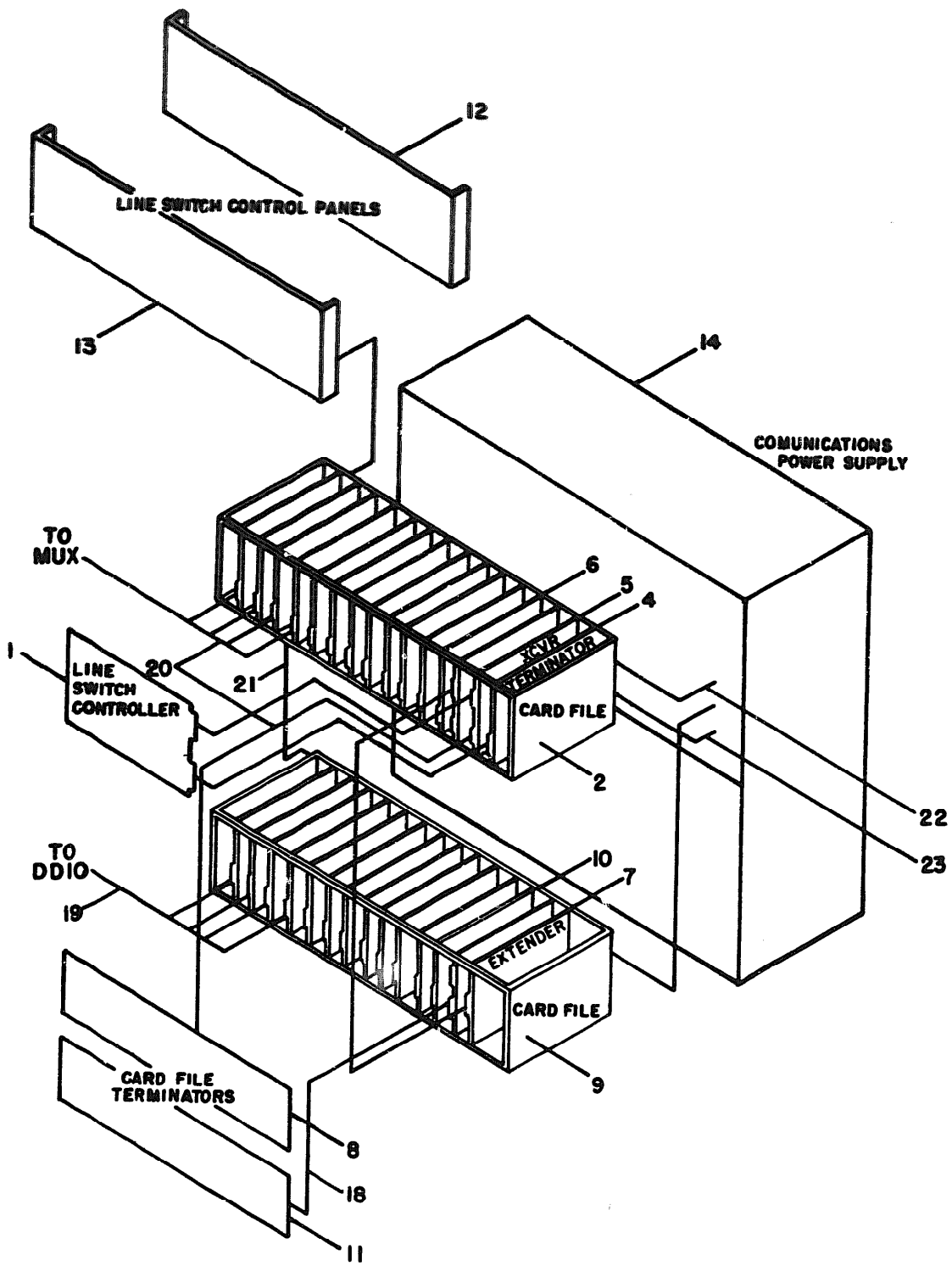


Figure 1. Line Switch Subsystem.

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
1			1 LINE SWITCH, SUBSYSTEM	104088		1	
-1	A1		CONTROLLER ASSEMBLY, (SEE FIGURE 2 FOR BREAKDOWN)	104087		2	
-2	A2		CARD FILE ASSEMBLY, COMMUNICATION (SEE FIGURE 5 FOR BREAKDOWN)	104084		1	
-3			(ATTACHING PART) SCREW, RACK MOUNT	MS51958-63	96906	2	
-4	A3		CIRCUIT CARD ASSEMBLY, TERMINATOR (SEE FIGURE 11 FOR BREAKDOWN)	104074		2	
-5	A4		CIRCUIT CARD ASSEMBLY, TRANSCEIVER (SEE FIGURE 12 FOR BREAKDOWN)	104080		1	
-6	A5		CIRCUIT CARD ASSEMBLY, COMMUNICATION (SEE FIGURE 13 FOR BREAKDOWN)	104338		1	
-7	A6		BUS EXTENDER ASSEMBLY, (SEE FIGURE 14 FOR BREAK- DOWN)	104072		1	
-8	A7		TERMINATOR ASSEMBLY, COMMUNICATION (SEE FIGURE, 15 FOR BREAKDOWN)	104101		1	
-9	A8		CARD FILE ASSEMBLY, DIGITAL (SEE FIGURE 16 FOR BREAKDOWN)	104083		1	
			(ATTACHING (PART) SCREW, CAPTIVE	MS51958-63	96906	2	
-10	A9		CIRCUIT CARD ASSEMBLY, DIGITAL (SEE FIGURE 17 FOR BREAKDOWN)	104340		1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
1-11	A10		TERMINATOR ASSEMBLY, DIGITAL (SEE FIGURE 18 FOR BREAKDOWN)	104102		1	
-12	A11		EXPANSION CONTROL PANEL ASSEMBLY, (SEE FIGURE 19 FOR BREAKDOWN)	104085		1	
-13	A12		MASTER CONTROL PANEL ASSEMBLY, (SEE FIGURE 20 FOR BREAKDOWN)	104086		1	
-14	A13		COMMUNICATIONS POWER SUPPLY ASSEMBLY (SEE FIGURE 21 FOR BREAKDOWN)	101531		1	
			(ATTACHING PARTS)				
-14A			SCREW, CAPTIVE	DKN7900-10A1	08524	2	
-15			SCREW, MACHINE	MS51958-61	96906	4	
-16			WASHER, FLAT	MS15795-842	96906	4	
-17			WASHER LOCK	MS35338-138	96906	4	
-18	W1		CABLE ASSEMBLY, DIGITAL SWITCH CARD TO LINE TERMINATOR (SEE FIGURE 32 FOR BREAKDOWN)	104066-075		1	
-19	W2		CABLE ASSEMBLY, DIGITAL CARD FILE TO DDIO (SEE FIGURE 33 FOR BREAKDOWN)	104067		1	
-20	W3		CABLE SET ASSEMBLY, COMMUNICATION (SEE FIGURE 34 FOR BREAKDOWN)	104070		1	
-21	W4		CABLE ASSEMBLY, TERMINATOR POWER EXTENDER (SEE FIGURE 37 FOR BREAKDOWN)	104174		1	
-22	W5		CABLE ASSEMBLY, TERMINATOR POWER (SEE FIGURE 38 FOR BREAKDOWN)	104175		1	
-23	W6		CABLE ASSEMBLY, POWER SENSE (SEE FIGURE 39 FOR BREAKDOWN)	104296		1	

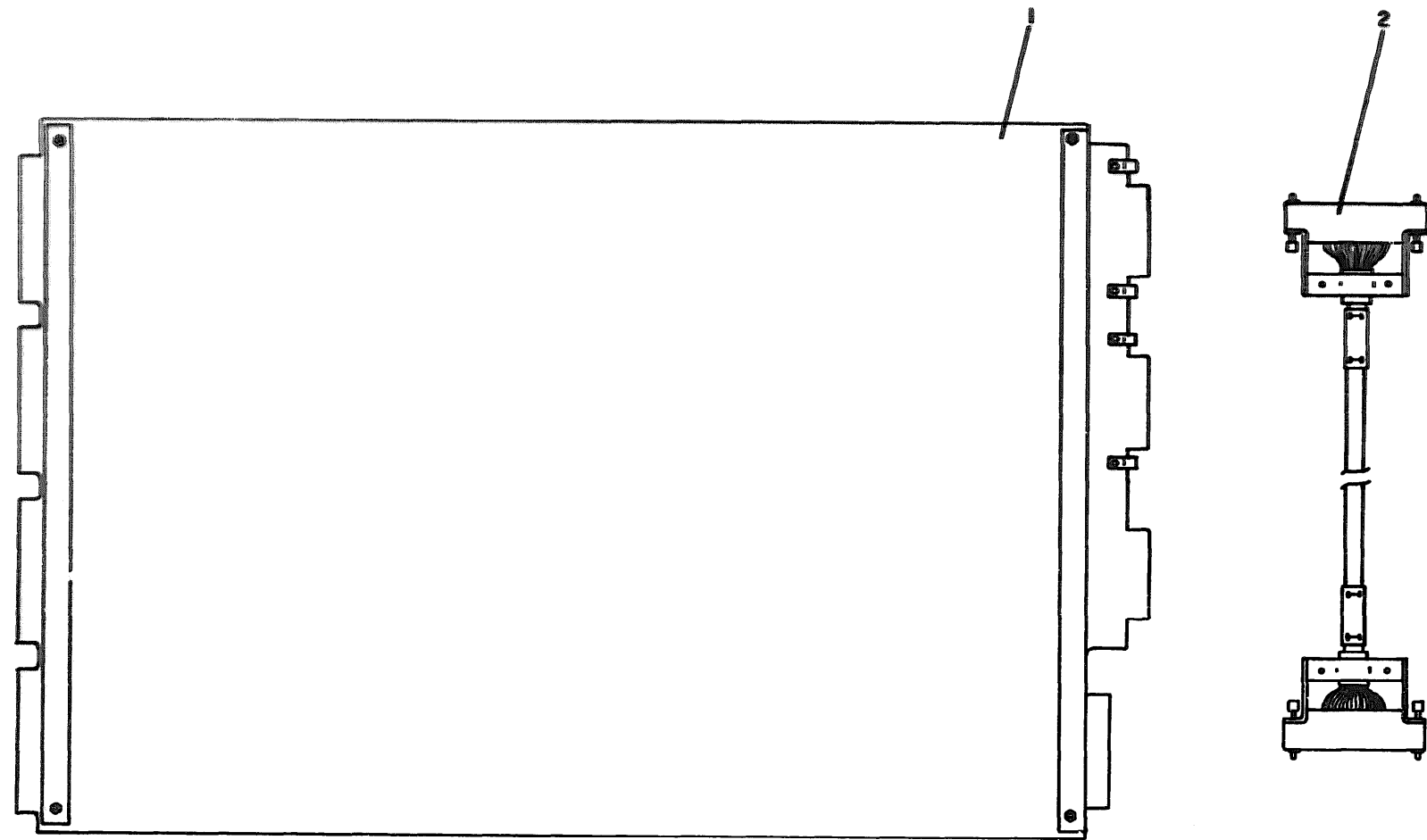


Figure 2. Controller Assembly

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
2	A1		CONTROLLER ASSEMBLY (SEE FIGURE 1-1 FOR NHA)	104087		REF	
-1	A1		CIRCUIT CARD ASSEMBLY, CONTROLLER (SEE FIGURE 3 FOR BREAKDOWN)	104082		1	
-2	W1		CABLE ASSEMBLY, TRANS-CEIVER CARD TO CONTROLLER (SEE FIGURE 4 FOR BREAK-DOWN)	104071-030		2	

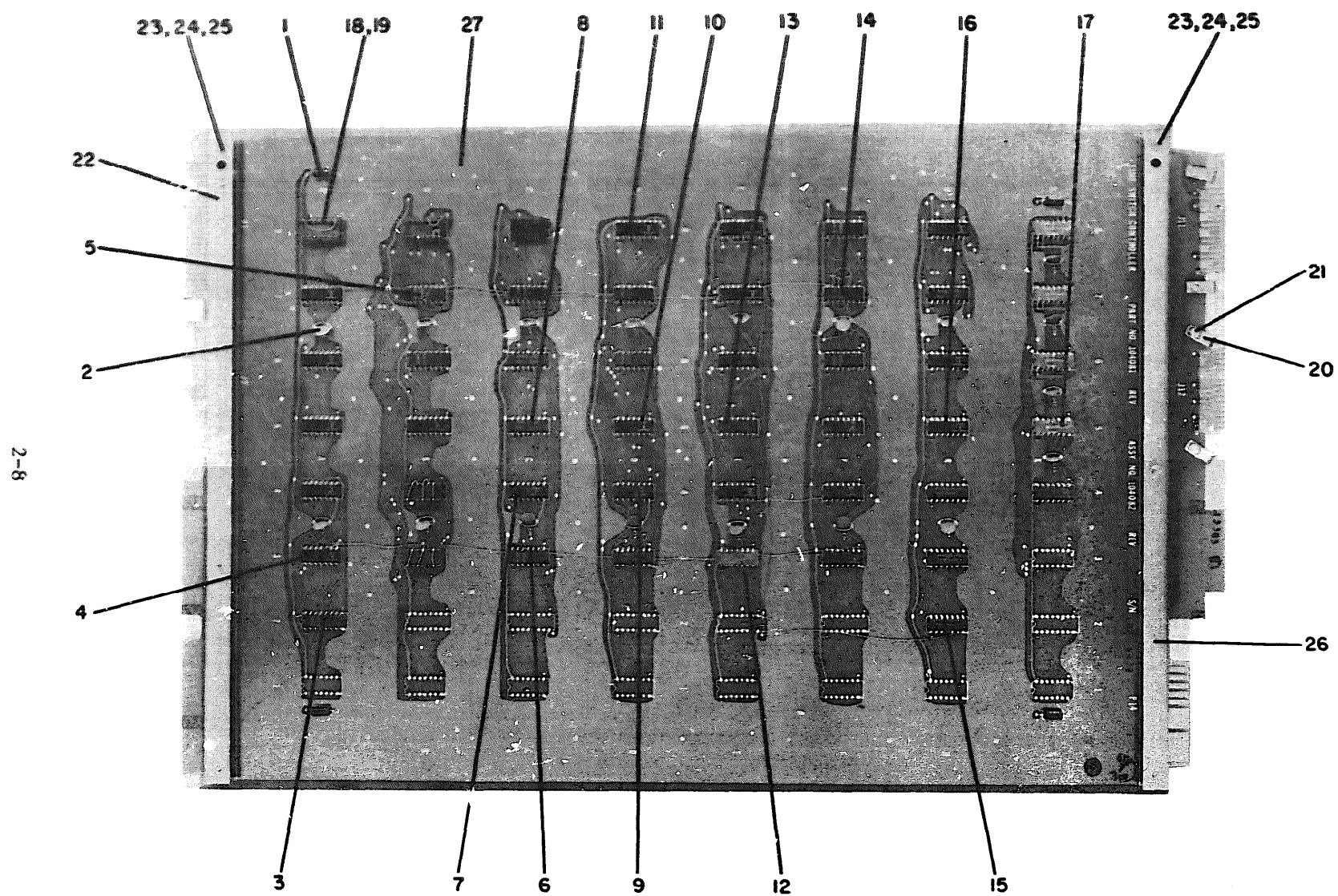


Figure 3. Circuit Card Assembly, Controller

GROUP ASSEMBLY PARTS LIST

TO 31S5-4-531-4

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
3	A1		CIRCUIT CARD ASSEMBLY, CONTROLLER (SEE FIGURE 2-1 FOR NHA)	104082		REF	
-1	C1	8A	CAPACITOR, FIXED, ELECTROLYTIC, 18 MF, + 20% 10V	CSR13D186KM	81349	1	
	C2	1A	SAME AS C1			1	
	C3	8K	SAME AS C1			1	
	C4	1K	SAME AS C1			1	
-2	C5	6A	CAPACTIRO, FIXED, CERAMIC, 0.01MF, +810, -20%, 100V	805-000-25V0-1032	72982	1	
	C6	3A	SAME AS C5			1	
	C7	7B	SAME AS C5			1	
	C8	3B	SAME AS C5			1	
	C9	7C	SAME AS C5			1	
	C10	3C	SAME AS C5			1	
	C11	7D	SAME AS C5			1	
	C12	3D	SAME AS C5			1	
	C13	7E	SAME AS C5			1	
	C14	3E	SAME AS C5			1	
	C15	7F	SAME AS C5			1	
	C16	3F	SAME AS C5			1	
	C17	7H	SAME AS C5			1	
	C18	3H	SAME AS C5			1	
	C19	8K	SAME AS C5			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code	
3	C20	7K	SAME AS C5			1		
	C21	6K	SAME AS C5			1		
	C22	4K	SAME AS C5			1		
-3	U1	2A	INTERGRATED CIRCUIT, TO-DECIMAL DECODER	SN7442N	Ø1295	1		
-4	U2	3A	INTEGRATED CIRCUIT TAL HEX INVERTER	SN74Ø4N	Ø1295	1		
	U3	4A	SAME AS U2			1		
	U4	5A	SAME AS U2			1		
	U5	6A	. SAME AS U2			1		
	U6	7A	. SAME AS U2			1		
	U7	5B	SAME AS U1			1		
	U8	6B	SAME AS U1			1		
	-5	U9	7B	. INTEGRATED CIRCUIT, HEX INVERTER (OPEN COLLECTOR)	SN74HØ5N	Ø1295	1	
	-6	U1Ø	3C	. INTERGRATED CIRCUIT, DIGITAL 8-INPUT POSITIVE-NAND GATE	SN743ØN	Ø1295	1	
	-7	U11	4C	. INTEGRATED CIRCUIT, DIGITAL TRIPLE 3-INPUT POSITIVE-NANDGATE	SN741ØN	Ø1295	1	
-8	U12	5C	. INTEGRATED CIRCUIT, DIGITAL QUAD 2-INPUT POSITIVE-NOR GATE.	SN74Ø2N	Ø1295	1		
	U13	6C	. SAME AS U12			1		
	U14	7C	. SAME AS U9			1		
	U15	3D	. SAME AS U12			1		
-9	U16	4D	. INTEGRATED CIRCUIT, DIGITAL DUAL D-TYPE EDGE-TRIGGERED FLIP-FLOP. ...	SN7474N	Ø1295	1		

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
3-10	U17	5D	INTEGRATED CIRCUIT, DIGITAL QUAD 2-INPUT POSITIVE-HAND GATE	SN7400N	01295	1	
	U18	6D	SAME AS U9			1	
	U19	7D	SAME AS U9			1	
-11	U20	8D	INTEGRATED CIRCUIT, DIGITAL QUAD 2-LINE-TO-1-LINE DATA SELECTORS/MULTIEXCHANGERS	SN74157N	01295	1	
-12	U21	3E	NETWORK, HYBRID CIRCUIT, 14 PIN PULL-UP. PULL-DOWN, R6800 OHMS	899-1R680	73138	1	
	U22	4E	SAME AS U2			1	
-13	U23	5E	INTEGRATED CIRCUIT, DIGITAL 50 MHZ PRESETTABLE 4-BIT BINARY COUNTERS/LATCHES.	SN74197N	33809	1	
	U24	6E	SAME AS U23.			1	
	U25	7E	SAME AS U20.			1	
	U26	8E	SAME AS U20			1	
	U27	3F	SAME AS U2			1	
	U28	4F	SAME AS U16			1	
	U29	5F	SAME AS U16.			1	
	U30	6F	SAME AS U10.			1	
-14	U31	7F	INTEGRATED CIRCUIT, DIGITAL QUAD 2-INPUT EXCLUSIVE-OR GATE	SN7486N	01295	1	
	U32	8F	SAME AS U31			1	
-15	U33	2H	INTEGRATED CIRCUIT, DIGITAL DUAL J-K MASTER-SLAVE FLIP-FLOP.	SN74107N	01295	1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
3	U34	3H	SAME AS U12			1	
	U35	4E	SAME AS U33			1	
-14	U36	5H	INTEGRATED CIRCUIT, DIGITAL, BUFFER AND INTERFACE CATE WITH OPEN COLLECTOR OUTPUT	5N74838N	01295	1	
	U37	6E	SAME AS U36			1	
	U38	7H	SAME AS U12			1	
	U39	8H	SAM AS U2			1	
	U40	4K	SAME AS U36			1	
	-17	U41	5K	NETWORK, HYBRID CIRCUIT, 14 PIN DUAL, R1-200 OHMS, R2-300 OHMS	830095		1
U42		6K	SAME AS U41			1	
U43		7K	SAME U41			1	
U44		8K	SAME U41			1	
-18		X1	8A	SOCKET, PLUG-IN, 14 PIN	C931402	73803	1
	X2	3B	SAME AS X1			1	
	X3	4B	SAME AS X1			1	
	X4	8B	SAME AS X1			1	
	X5	8C	SAME AS X1			1	
-19	XTP1	8A	HEADER, 14 PIN	614DG5	91506	1	
	XTP2	3B	SAME AS XTP1			1	
	XTP3	4B	SAME AS XTP1			1	
	XTP4	8B	SAME AS XTP1			1	
	XTP5	8C	SAME AS XTP1			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
3-20			BRACKET, CONNECTOR MOUNTING, 16GA, CRS	101625		4	
			(ATTACHING PART)				
-21			RIVET, BLIND	AD42ABS	07707	4	
-22			STIFFENER, REAR, 18GA CRS	101823		1	
			(ATTACHING PARTS)				
-23			SCREW, MACHINE	MS51957-17	96906	3	
-24			WASHER, FLAT	MS15795-804	96906	3	
-25			WASHER, LOCK	MS35338-135	96906	3	
-26			STIFFENER, FRONT, 18GA, CRS	101897		1	
			(ATTACHING PARTS)				
			SCREW, MACHINE	MS51957-17	96906	3	
			WASHER, FLAT	MS15795-804	96906	5	
			WASHER, LOCK	MS35338-135	96906	3	
-27			PRINTED WIRING BOARD	104081		1	

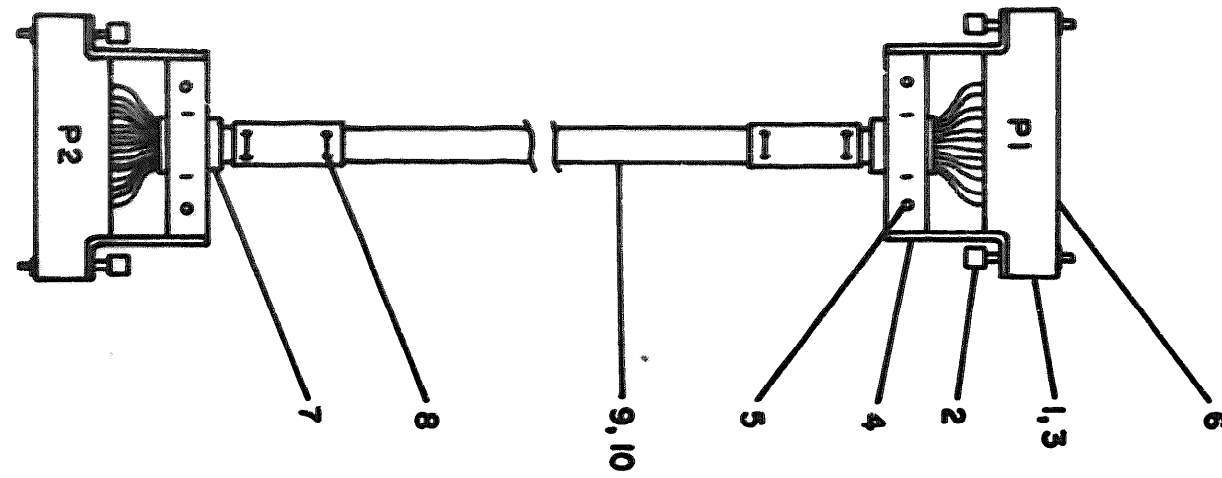


Figure 4. Cable Assembly, Transceiver Card To Controller 2 - 1 4

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
4	W1		CABLE ASSEMBLY, TRANSCEIVER CARD TO CONTROLLER (SEE FIGURE 2-2 FOR HHA)	104071-000		REF	
-1	P1		CONNECTOR ASSEMBLY, 30 POSITION	102414		1	
-2			SCREW, CAPTIVE	SJN7900-4E3	08524	2	
-3			CONNECTOR, PLUG, ELECTRICAL, 30 POSITION	P8402D15-1	09922	1	
-4			STRAIN RELIEF	102377		1	
-5			(ATTACHING PART) SCREW, MACHINE	MS51957-15	96906	2	
-6			CONTACT, ELECTRICAL	SPBM24H1	09922	80	
-7			BUSHING, RUBBER	AN3420-6	81352	1	
	P2		SAME AS P1			1	
-8			CABLE TIE	SSTIM	06383	4	
-9			TUBING, TEFLON 16GA	TFT250-16	92124	A/R	
-10			CABLE, SPECIAL PURPOSE 20 TWISTED PAIR, 26AWG	5205	92194	A/R	

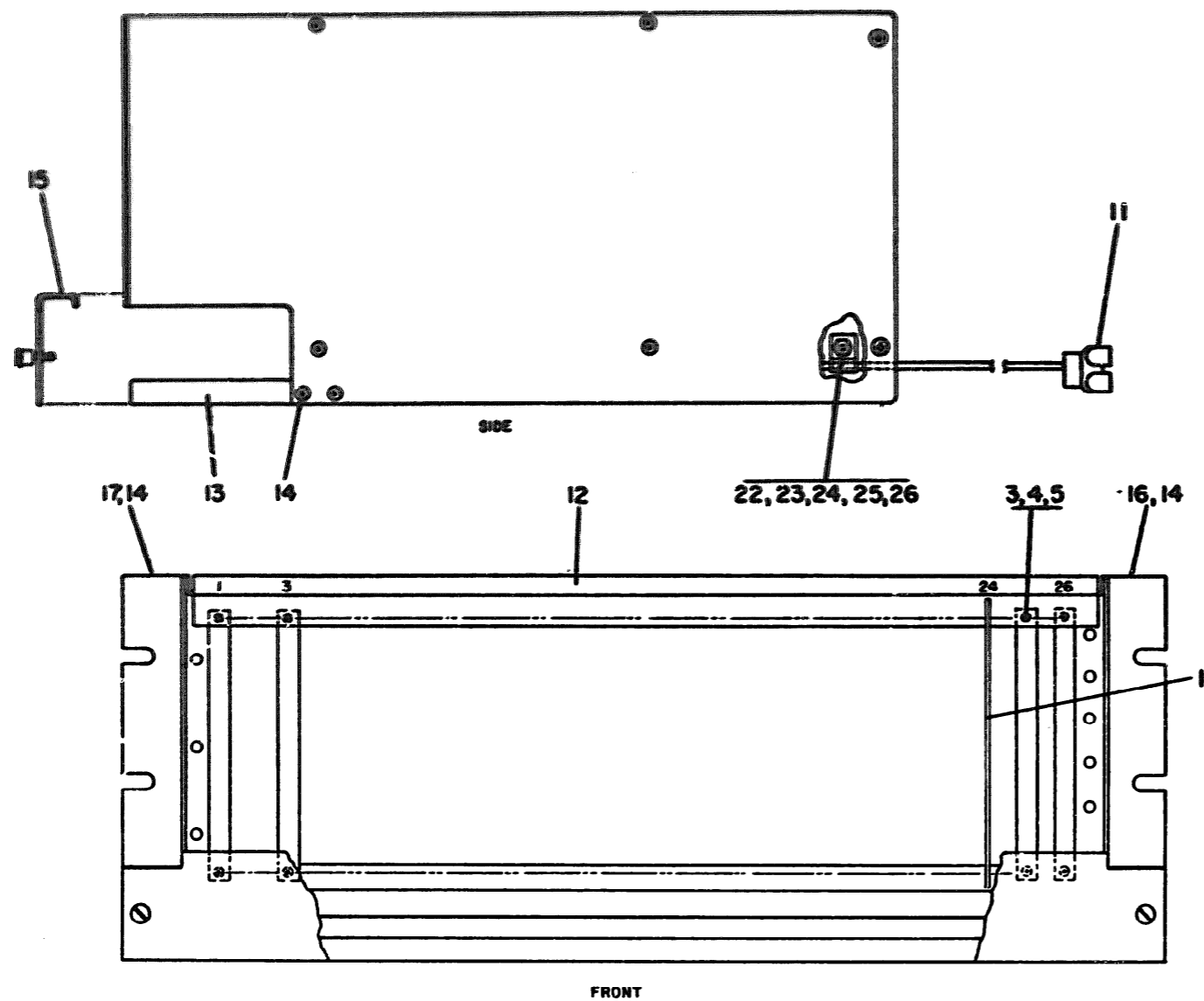


Figure 5. Card File Assembly (Sheet 1 of 2)

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
5	A2		CARD FILE ASSEMBLY, COMMUNICATION (SEE FIGURE 1-2 FOR NNA)	104084		REF	
-1	A1		CIRCUIT CARD ASSEMBLY, REPOWER (SEE FIGURE 6 FOR BREAKDOWN)	104152		1	
-2	A2		CONNECTOR ASSEMBLY, ELECTRIC (SEE FIGURE 7 FOR BREAKDOWN)	104107		1	
-3			(ATTACHING PARTS)				
-4			SCREW, MACHINE	MS51957-15	96906	34	
-5			WASHER, FLAT	MS15795-804	96906	34	
-6			WASHER, LOCK	MS35338-135	96906	34	
-6	W1		CABLE ASSEMBLY, RACK PLANE TO SWITCH CARD (SEE FIGURE 8 FOR BREAKDOWN)	104112		12	
-7			(ATTACHING PART)				
-7			STUD, EXTENSION	D20418-2	71785	40	
-8	W2		ASSEMBLY, BACK TO CONTROLLER PANEL (SEE FIGURE 9 FOR BREAKDOWN)	104113		2	
-9			(ATTACHING PARTS)				
-9			SCREW, MACHINE	MS51957-17	96906	4	
-10			WASHER, FLAT	MS15795-804	96906	4	
-10			WASHER, LOCK	MS35338-135	96906	4	
-10			NUT, PLAIN, HEX	MS35649-244	96906	4	
-11	W3		CABLE ASSEMBLY, POWER (SEE FIGURE 10 FOR BREAKDOWN)	104202		1	
-12			CARD FILE WELDMENT ASSEMBLY	101440		1	
-13			CABLE SUPPORT	101623		1	

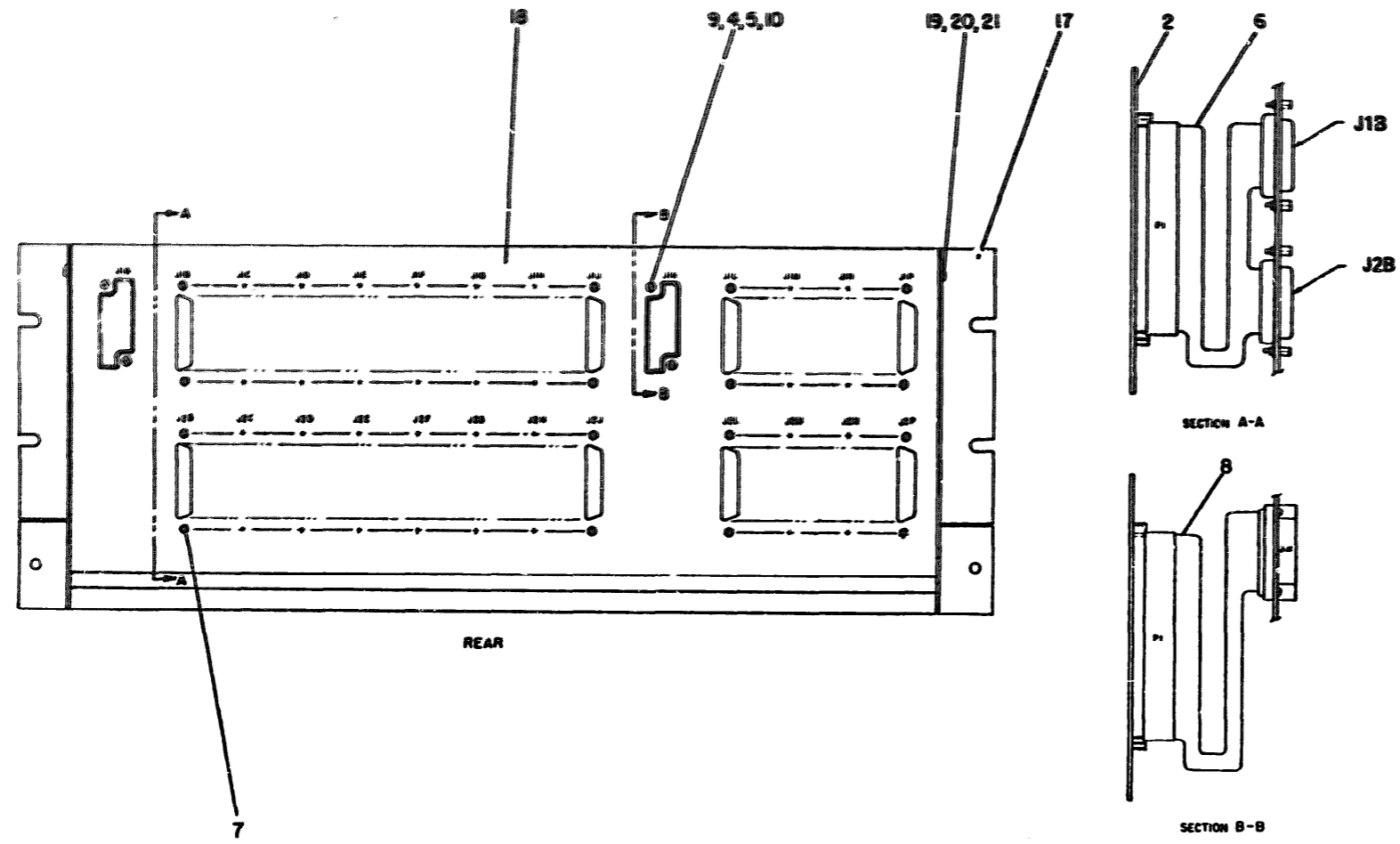


Figure 5. Card File Assembly (Sheet 2 of 2)

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
5-14			(ATTACHING PART) RIVET, BLIND	AD43ABS	Ø77Ø7	4	
-15			NOT USED				
-16			PANE, RIGHT SIDE	1Ø4114-Ø1		1	
			(ATTACHING PART) RIVET, BLIND	AD43ABS	Ø77Ø7	4	
-17			PANEL, LEFT SIDE	1Ø4114-Ø2		1	
			(ATTACHING PART) RIVET, BLIND	AD43ABS	Ø77Ø7	4	
-18			PANE, CONNECTOR	1Ø4115		1	
-19			(ATTACHING PARTS) SCREW, MACHINE	MS51957-28	969Ø6	4	
-20			WASHER, FLAT	MS15795-8Ø6	969Ø6	4	
-21			WASHER, LOCK	MS35338-136	969Ø6	4	
-22			CLAMP, CABLE, PLASTIC	773	833Ø	1	
-23			(ATTACHING PARTS) SCREW, MACHINE	MS51957-46	969Ø6	1	
-24			WASHER, FLAT	MS15795-841	969Ø6	1	
-25			WASHER, LOCK	MS35338-137	969Ø6	1	
-26			NUT, PLAIN, HEX	MS35649-286	969Ø6	1	
			---*---				

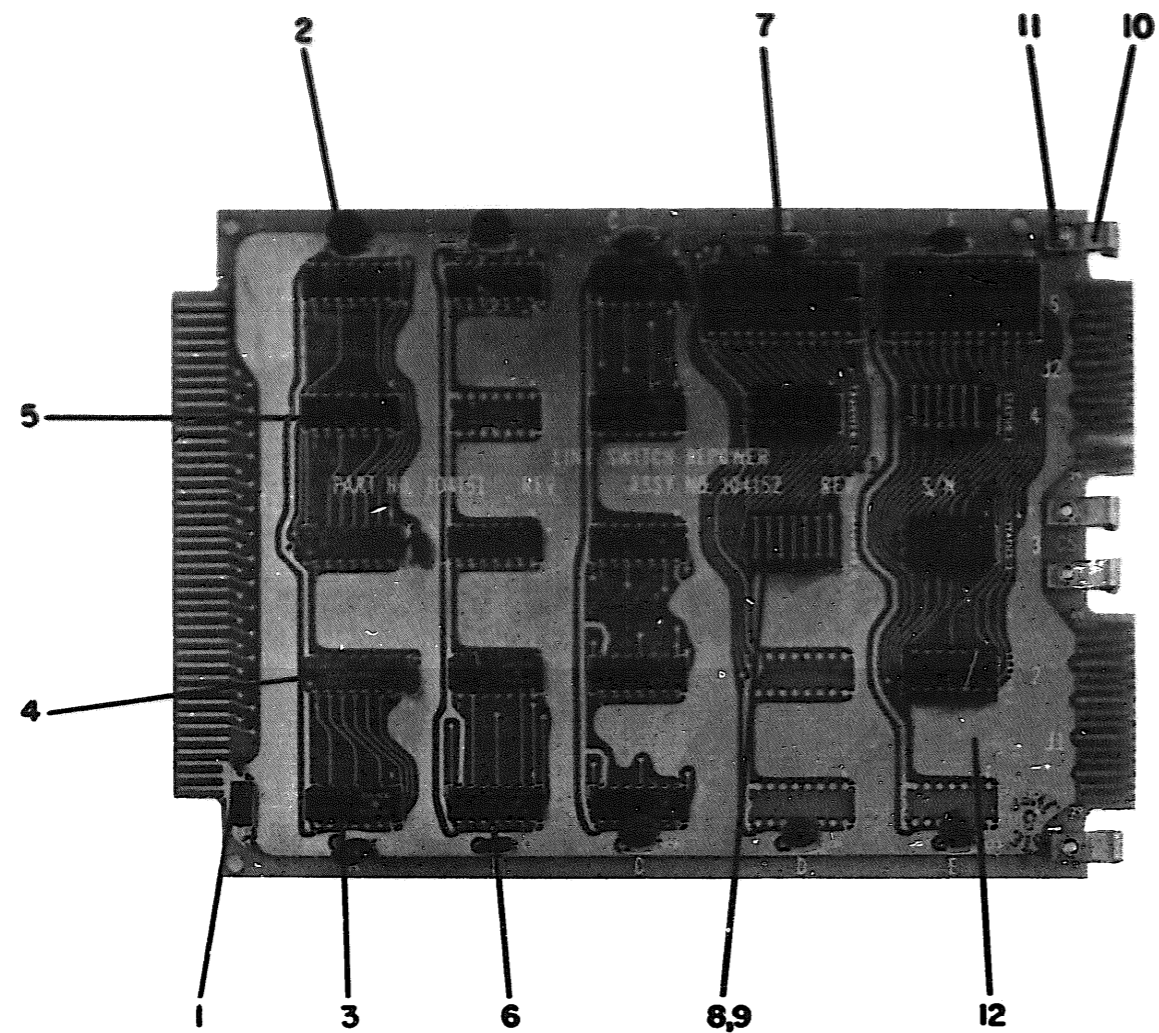


Figure 6. Circuit Card Assembly, Repower

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
6	A1		CIRCUIT CARD ASSEMBLY, RE-POWER (SEE FIGURE 55-1 FOR NHA)	104152		REF	
-1	C1	1A	CAPACITOR, FIXED, ELECTROLYTIC, 18MF, - 10%, 10V	CSR13D186KM	81349	1	
-2	C2	5A	C E R A M I C 1 0 0 V	805-00025V0-103Z	72982	1	
	C3	3A	SAME AS C2			1	
	C4	2A	SAME AS C2			1	
	C5	1A	SAME AS C2			1	
	C6	5B	SAME AS C2			1	
	C7	1B	SAME AS C2			1	
	C8	5C	SAME AS C2			1	
	C9	1C	SAME AS C2			1	
	C10	5D	SAME AS C2			1	
	C11	1D	SAME AS C2			1	
	C12	5E	SAME AS C2			1	
	C13	1E	SAME AS C2			1	
-3	U1	1A	INTEGRATED CIRCUIT, DIGITAL, REX INVERTER	SN7404N	01295	1	
-4	U2	2A	NETWORK, HYBRID CIRCUIT 14 PIN PULL-UP, PULL-DOWN, R-680 OHMS	899-1R680	73138	1	
	U3	3A	SAME AS U2			1	
-5	U4	4A	INTEGRATED CIRCUIT, DIGITAL, QUAD 2-INPUT POSITIVE-NAND BUFFER (OPEN COLLECTOR).	SN7438N	01295	1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
6	U5	5A	SAME AS U4			1	
-6	U6	1B	INTEGRATED CIRCUIT, DIGITAL NUMBER AND INTERFACE GATE WITH CPEN COLLECTOR OUTPUT	SN74S38N	Ø1295	1	
	U7	2B	SAME AS U1			1	
	U8	3B	SAME AS U1			1	
	U9	5B	SAME AS U4			1	
	U10	1C	SAME AS U6			1	
	U11	2C	SAME AS U6			1	
	U12	3C	SAME AS U6			1	
	U13	4C	SAME AS U1			1	
	U14	5C	SAME AS U1			1	
-7	U15	5D	INTEGRATED CIRCUIT, 4-LINE-TO-16-LINE (10F16) DECODER/MULTIPLEXER	SN74154N	Ø1295	1	
	U16	5E	SAME AS U15			1	
-8	X1	3D	SOCKET, PLUG-IN.....	C9314Ø2	738Ø3	1	
	X2	4D	SAME AS X1.....			1	
	X3	2E	SAME AS X1.....			1	
	X4	3E	SAME AS X1.....			1	
	X5	4E	SAME AS X1.....			1	
-9	XTP1	3D	HEADER, 14 PIN.....	614DG5	915Ø6	1	
	XTP2	4D	SAME AS XTP1.....			1	
	XTP3	2E	SAME AS STPI.....			1	
	XTP4	3E	SAME AS XTP1.....			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
6	XTP5	4E	SAME AS XTP1			1	
-10			BRACKET, CONNECTOR MOUNTING	101625		4	
-11			(ATTACHING PART) RIVET, BLIND	AD42ABS	07707	4	
-12			PRINTED WIRING BOARD	104151		1	

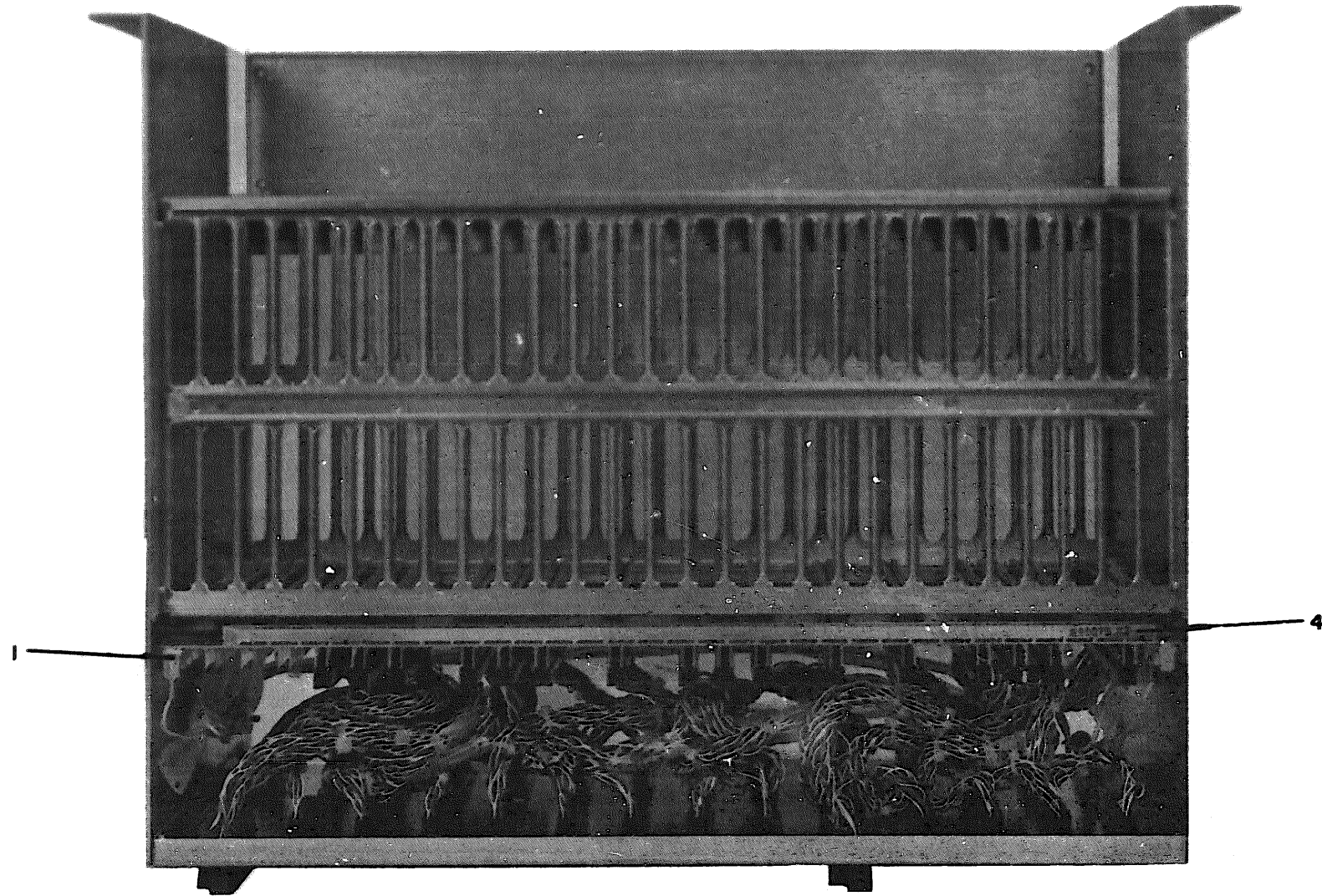


Figure 7. Connector Assembly, Electric (Sheet 1 of 2)

2 - 2 4

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
7	A2		CONNECTOR ASSEMBLY, ELECTRIC (SEE FIGURE 5-2 FOR NHA)	104107		REF	
-1			TERMINAL, QUICK DISCONNECT	KT48	75382	12	
-2			(ATTACHING PART) RIVET, BLIND -----*	CD428S	07707	12	
-3			CONNECTOR, ELECTRIC 80 PIN	3PN40-9JND3	05574	17	
-4			BUS STRIP	890075		8	
-5			PRINTED WIRING BOARD	101344		1	

J5012A, 12-72

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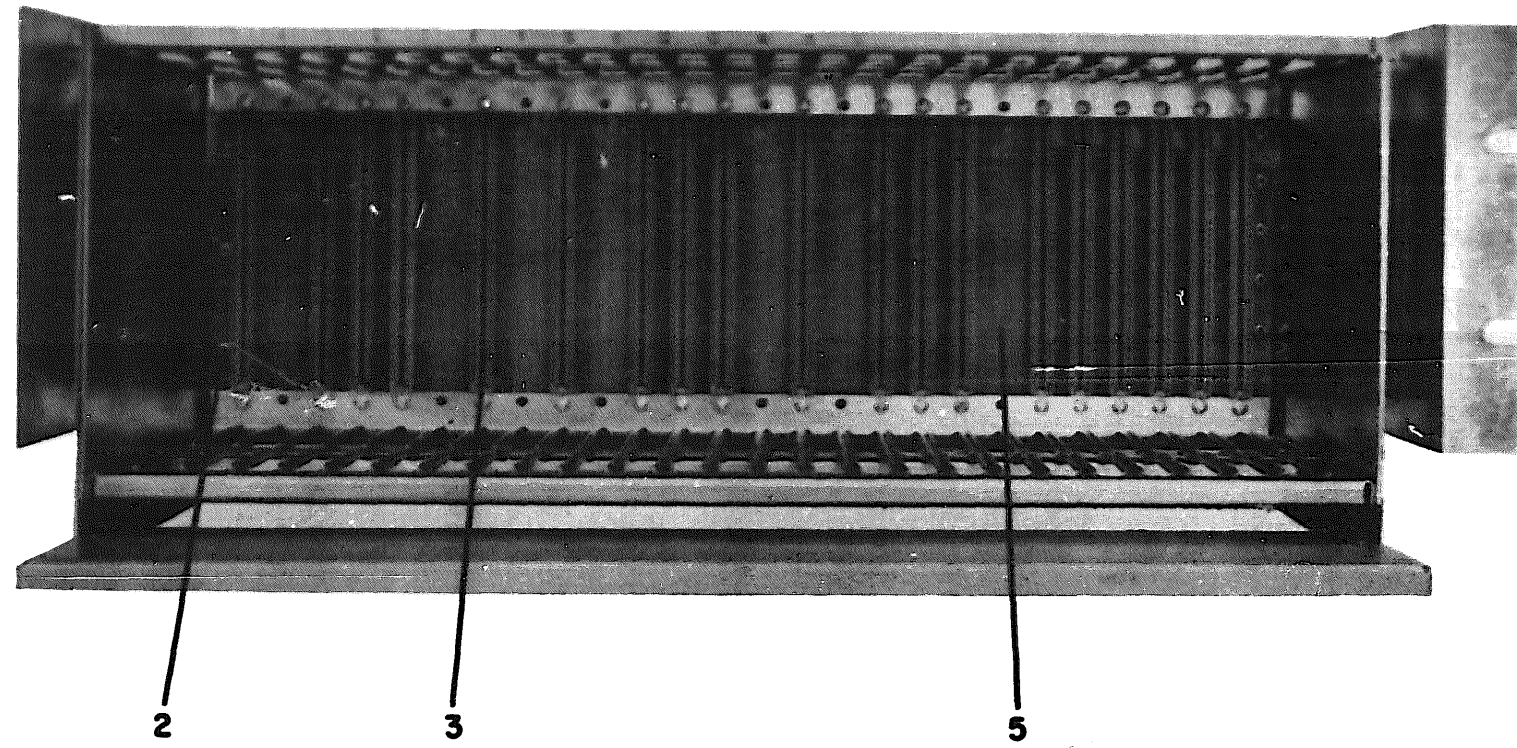


Figure 7. Connector Assembly, Electric (Sheet 2 of 2)

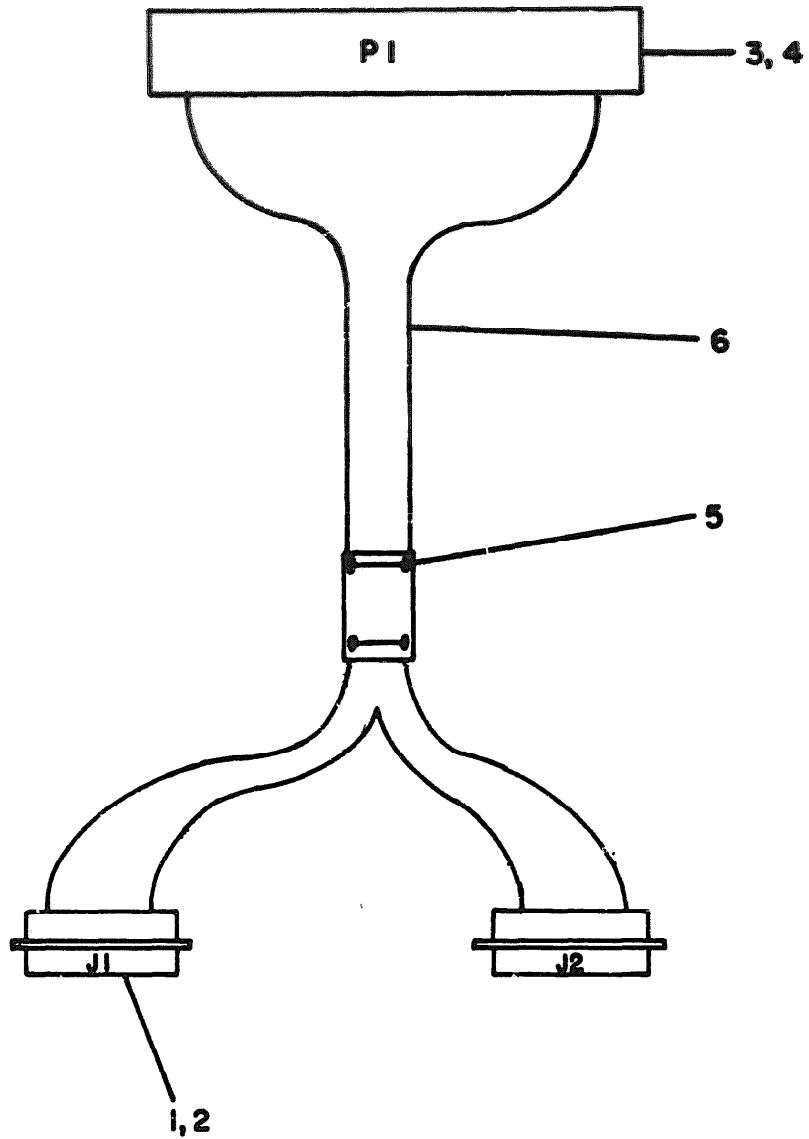


Figure 8. Cable Assembly, Back Plane to Switch Card

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
8	W1		CABLE ASSEMBLY, BACK PLANE TO SWITCH CARD (SEE FIGURE 5-6 FOR NHA)	104112		REF	
-1	J1		CONNECTOR, RECEPTACLE, ELECTRIC, 25 SOCKET	205207-1	00779	1	
-2			CONTACT, ELECTRICAL	205311-9	00779	32	
	J2		SAME AS J1			1	
-3	P1		CONNECTOR, PLUG, ELECTRIC	65051-1	22526	1	
-4			CONTACT, ELECTRICAL	47712	22526	34	
-5			CABLE TIE	SSTIM	06383	2	
-6			WIRE, ELECTRIC STRANDED, 1 TWISTED PAIR, 26 AWG	8640	70903	AR	

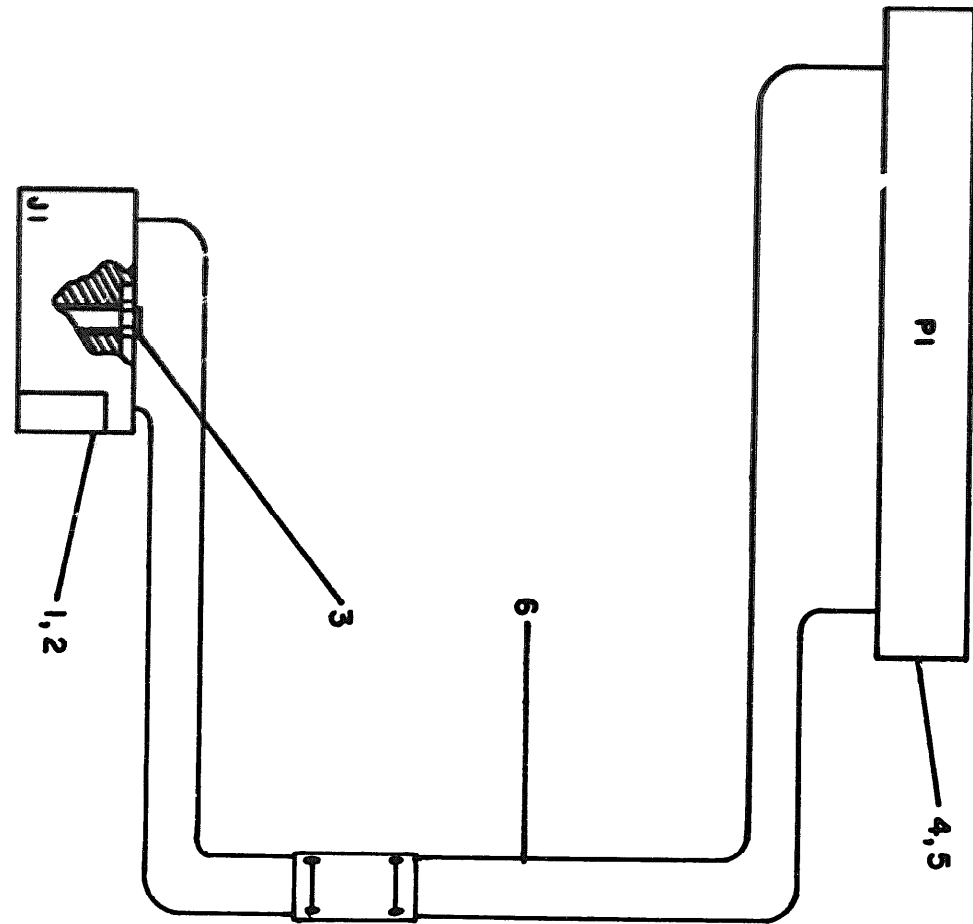


Figure 9. Cable Assembly, Back Plane To Controller Panel

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
9	W2		CABLE ASSEMBLY, BACK PLANE TO CONTROLLER PANEL (SEE FIGURE 5-8 FOR NHA)	104113		REF	
-1	J1		CONNECTOR, RECEPTACLE ELECTRIC, 54 POSITION	203803-2	00779	1	
-2			CONTACT, ELECTRICAL	203816-2	00779	54	
-3			JACKSCREW, FIXED, FEMALE	203879-1	00779	1	
-4	P1		CONNECTOR, PLUG, ELECTRIC, 72, SOCKET	65051-1	22526	1	
-5			CONTACT, ELECTRICAL	47712	22526	54	
-6			WIRE, ELECTRIC STRANDED 1 TWISTED PAIR, 26 AWG	8640	70903	AR	

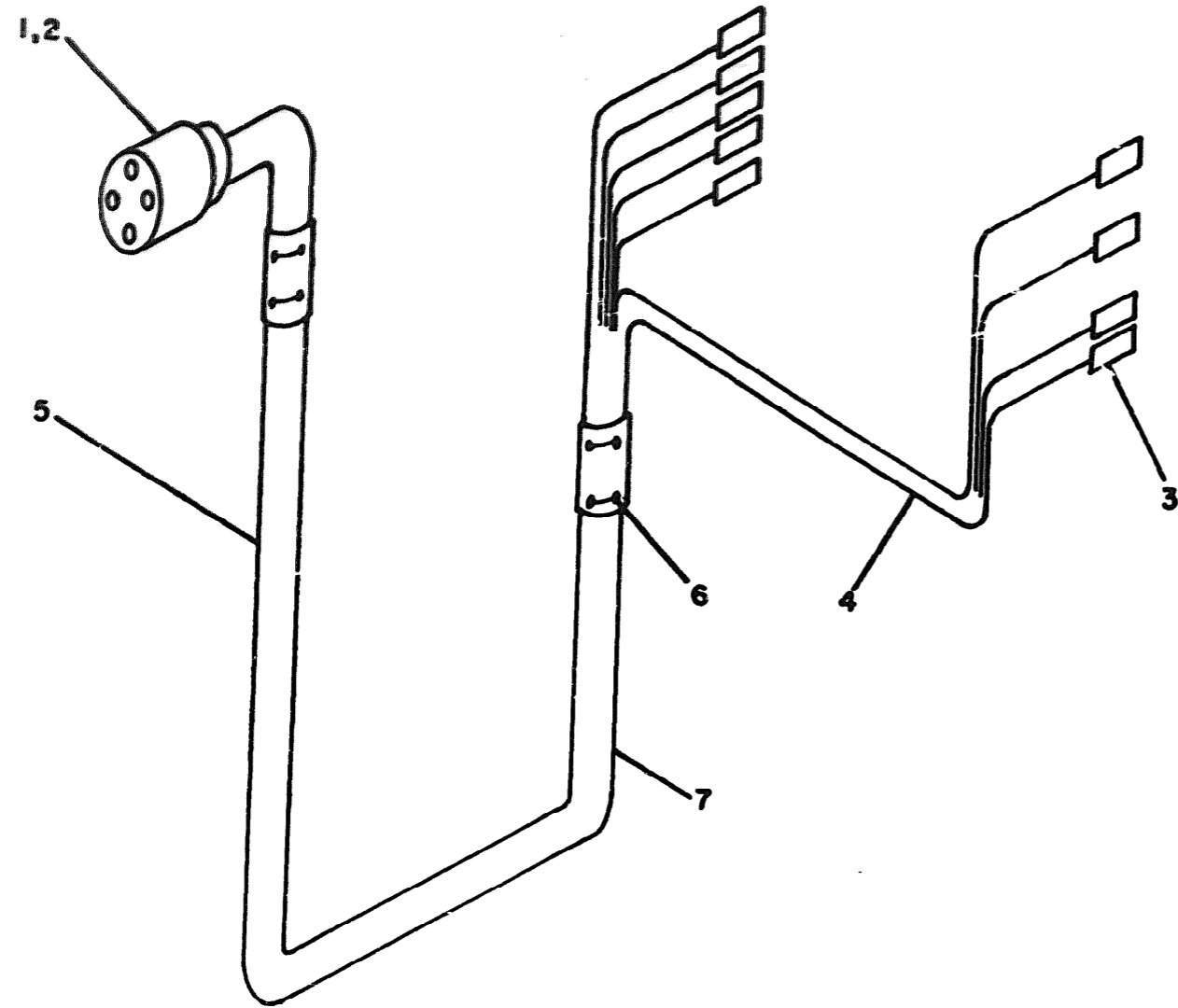


Figure 10. Cable Assembly, Power

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
10	W3		CABLE ASSEMBLY, POWER, (SEE FIGURE 5-11 FOR NHA)	104202		REF	
-1	P1		CONNECTOR, PLUG, ELECTRIC	1-480422-0	00779	1	
-2			CONTACT, ELECTRICAL	61062-5	00779	9	
-3			TERMINAL LUG	A250	59730	9	
-4			TUBING, POLYVINYL CHLORIDE, 1/4 DIAMETER	PVC105-1 BLACK	92194	AR	
-5			TUBING, POLYVINYL CHLORIDE, 9/16 DIAMETER	PVC105-9-16IN	92194	AR	
-6			CABLE TIE	SSTIM	06383	4	
-7			CABLE SPECIAL PURPOSE, WHITE, 18 GAUGE	1243	92194	AR	

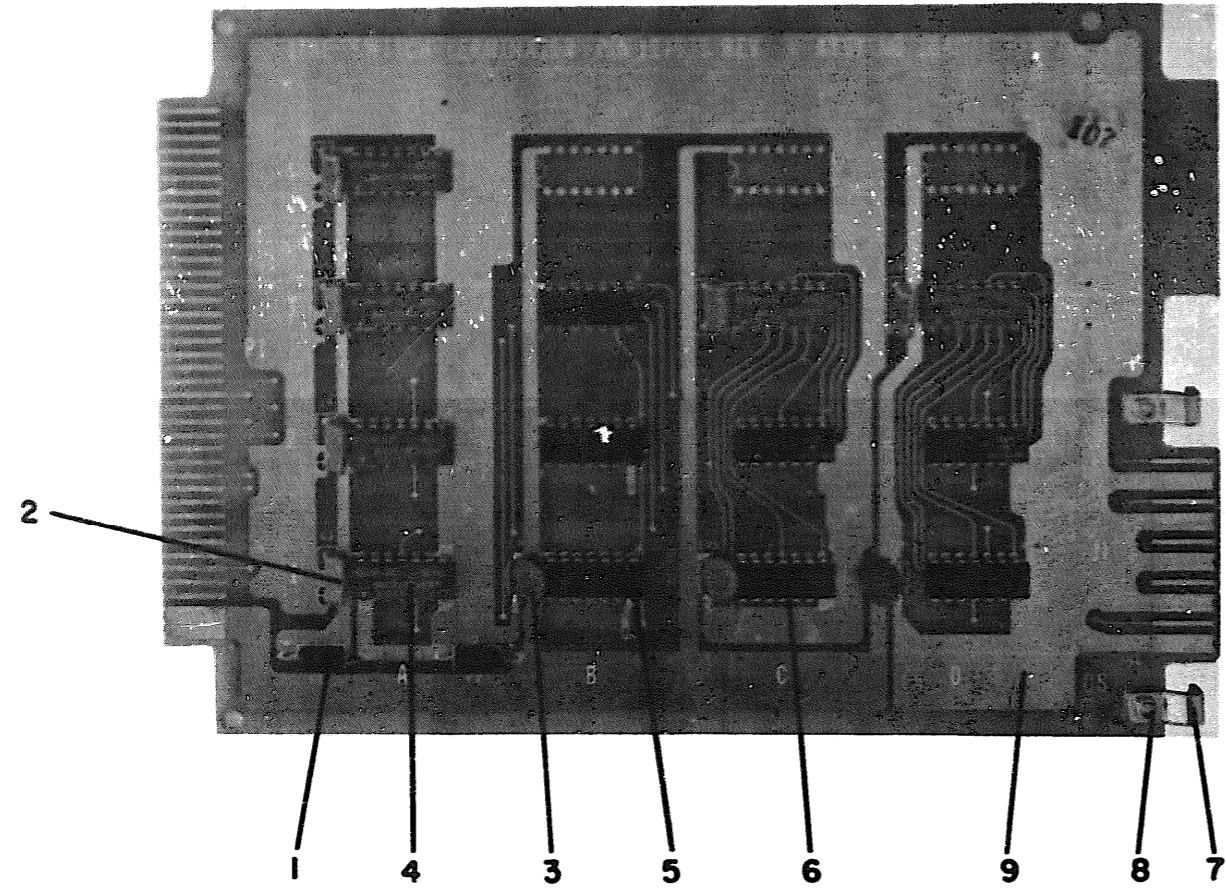


Figure 11. Circuit Card Assembly, Terminator

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
11	A3		CIRCUIT CARD ASSEMBLY, TERMINATOR (SEE FIGURE 1-4 FOR NHA)	104074		REF	
-1	C1	1A	CAPACITOR, FIXED, ELECTROLYTIC, 18MF, + 10%, 10V	CSR13D186KM	81349	1	
	C2	1A	SAME AS C1			1	
-2	C3	1A	CAPACITOR, FIXED, CERAMIC, 0.1 MF, + 20%, 50V	8121-050-651-104M	72982	1	
	C4	2A	SAME AS C3			1	
	C5	3A	SAME AS C3			1	
	C6	4A	SAME AS C3			1	
	C7	3C	SAME AS C3			1	
	C8	3D	SAME AS C3			1	
-3	C9	1B	CAPACITOR, FIXED, CERAMIC, 0.01MF + 80%, -20%, 100V	805-00025V0-103Z	72982	1	
	C10	1C	SAME AS C9			1	
	C11	1D	SAME AS C9			1	
-4	U1	1A	NETWORK, HYBRID CIRCUIT, 14 PIN DUAL, R1-200 OHMS R2-300 OHMS	830095		1	
	U2	2A	SAME AS U1			1	
	U3	3A	SAME AS U1			1	
	U4	4A	SAME AS U1			1	
-5	U5	1B	INTEGRATED CIRCUIT, DIGITAL, HEXINVERTER	SN7404N	01295	1	
	U6	2B	SAME AS 5			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
11	U7	3B	SAME AS U5			1	
-6	U8	1C	INTEGRATED CIRCUIT, DIGITAL, BUFFER AND INTERFACE, GATE W/OPEN COLLECTOR OUTPUT	SN74S38N	Ø1295	1	
	U9	2C	SAME AS U8			1	
	U10	3C	SAME AS U1			1	
	U11	1D	SAME AS U8			1	
	U12	2D	SAME AS U8			1	
	U13	3D	SAME AS U1			1	
-7			BRACKET, CONNECTOR MOUNTING, 16GA CRS	1Ø1625		2	
-8			(ATTACHING PART) RIVET, BLIND -----*	AD42ABS	Ø77Ø7	2	
-9			PRINTED WIRING BOARD	1Ø4Ø73		1	

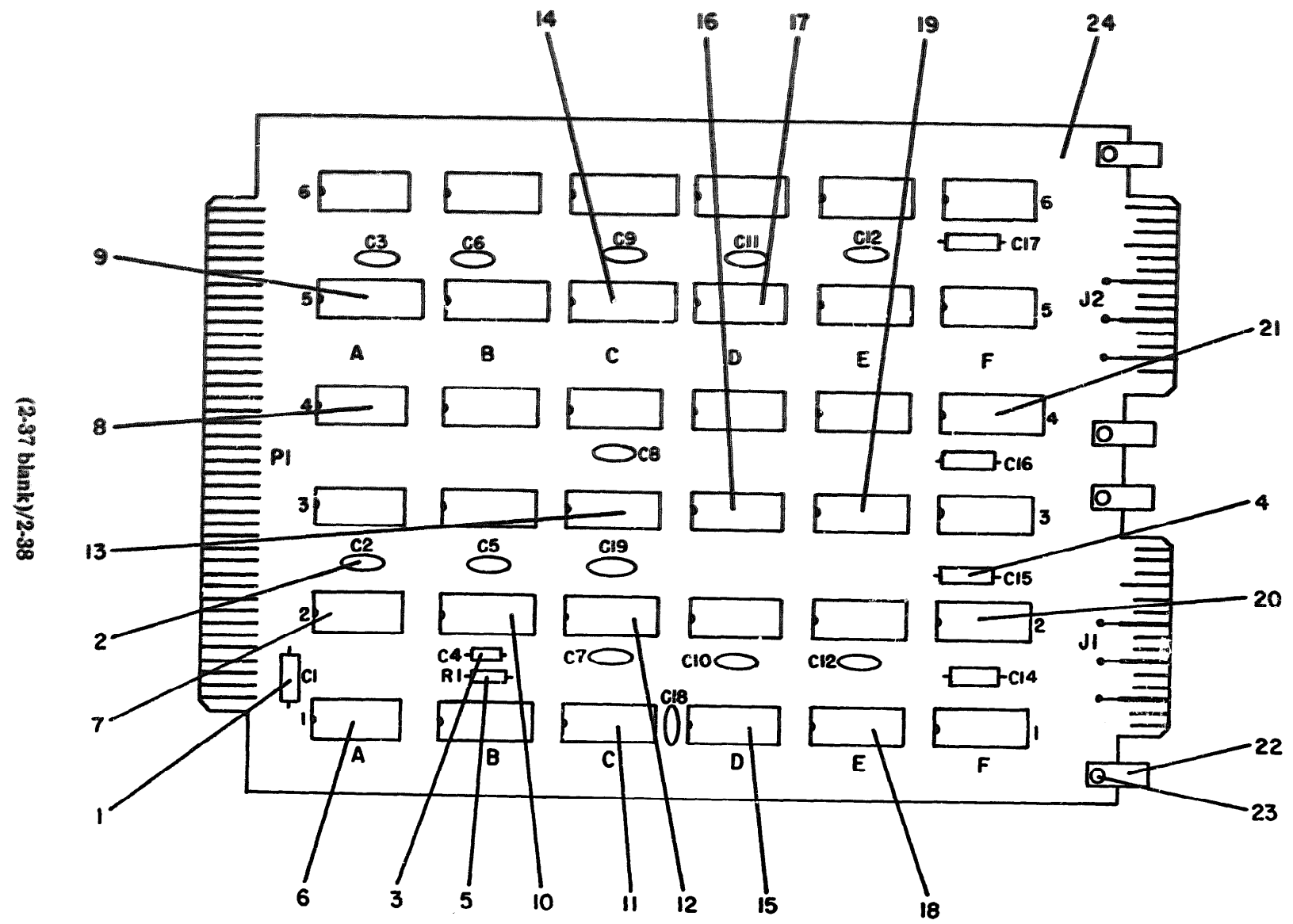


Figure 12. Circuit Card Assembly, Transceiver

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
12	A4		CIRCUIT CARD ASSEMBLY, TRANSCEIVER (SEE FIGURE 1-5 FOR NHA)	104030		REF	
-1	C1	1A	CAPACTIRO, FIXED, ELECTROLYTIC, 18MF, + 10% 10V	CSR13D186KM	81349	1	
-2	C2	2A	CAPACTIOR, FIXED, CERAMIC, 0.01MF, + 80%, -20%, 100V	805-00025V0-103Z	72982	1	
	C3	5A	SAME AS C2			1	
-3	C4	1B	CAPACITOR, FIXED, CERAMIC, 470 PF, + 10%, 500V	CM06FD471J03	81349	1	
	C5	5B	SAME AS C2			1	
	C6	2B	SAME AS C2			1	
	C7	1C	SAME AS C2.			1	
	C8	3C	SAME AS C2.			1	
	C9	5C	SAME AS C2. <			1	
	C10	1D	SAME AS C2.			1	
	C11	5D	SAME AS C2. c			1	
	C12	1E	SAME AS C2.			1	
	C13	5E	SAME AS C2.			1	
	C14	1F	SAME AS C1			1	
-4	C15	2F	CAPACITOR, FIXED, CERAMIC, 0.1MF, + 20%, 50V.	8121-050-651-104M	72982	1	
	C16	3F	SAME AS C15			1	
	C17	5F	SAME AS C15			1	
	C18	1C	SAME AS C2.			1	
	C19	2C	SAME AS C2.			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
12-5	R1	1B	RESISTOR, FIXED, FILM 100 OHMS, + 5%, 1/4W	RL07S101J	81349	1	
-6	U1	1A	INTEGRATED CIRCUIT, DIGI- TAL, DUAL J-K MASTER- SLAVE FLIP-FLOP	SN74107N	01295	1	
-7	U2	2A	INTEGRATED CIRCUIT, DIGI- TAL, HEX INVERTER	SN7404N	01295	1	
	U3	3A	SAME AS U1			1	
-8	U4	4A	INTEGRATED CIRCUIT, DIGI- TAL, QUAD Z-INPUT POSI- TIVE-NAND BUFFER (OPEN COLLECTOR)	SN7438N	01295	1	
-9	U5	5A	INTEGRATED CIRCUIT, DIGI- TAL, FULLY SYNCHRONOUS DECADE COUNTER	SN74162N	01295	1	
	U6	6A	SAME AS U5			1	
	U7	1B	SAME AS U2			1	
-10	U8	2B	INTEGRATED CIRCUIT, DIGI- TAL, TRIPLE 3-INPUT POSI- TIVE-NAND GATE	SN7410N	01295	1	
	U9	3B	SAME AS U1			1	
	U10	4B	SAME AS U4			1	
	U11	5B	SAME AS U5			1	
	U12	6B	SAME AS U5			1	
-11	U13	1C	INTEGRATED CIRCUIT, DIGI- TAL, QUAD 2 INPUT POSI- TIVE-NAND GATE	SN74H00N	01295	1	
-12	U14	2C	INTEGRATED CIRCUIT, DIGI- TAL, BUFFER AND INTERFACE GATE W/OPEN COLLECTOR OUTPUT	SN74S38N	01295	1	

GROUP ASSEMBLY PARTS LIST

TO 3185-4-531-4

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
12-13	U15	3C	NETWORK, HYBRID CIRCUIT, 14 PIN PULL-UP PULL-DOWN, R-689 OHMS	899-1R680	73138	1	
	U16	4C	SAME AS U4			1	
-14	U17	5C	INTEGRATED CIRCUIT, DIGITAL, SYNCHRONOUS 4-BIT BINARY COUNTER WITH DIRECT CLEAR	SN74161N	01295	1	
	U18	6C	SAME AS U5			1	
-15	U19	1D	INTEGRATED CIRCUIT, DIGITAL, DUAL, D-TYPE EDGE-TRIGGERED FLIP-FLOP	SN74H74N	33809	1	
	U20	2D	SAME AS U2			1	
-16	U21	3D	INTEGRATED CIRCUIT, DIGITAL, TRIPLE 3-INPUT POSITIVE-NOR GATE	SN7427N	01295	1	
	U22	4D	SAME AS U14			1	
-17	U23	5D	INTEGRATED CIRCUIT, DIGITAL, QUAD 2-INPUT POSITIVE NAND GATE.	SN7400N	01295	1	
	U24	6D	SAME AS U4			1	
-18	U25	1E	INTEGRATED CIRCUIT, DIGITAL, QUAD 2-INPUT POSITIVE-NOR GATE	SN7402N	01295	1	
	U26	2E	SAME AS U25			1	
-19	U27	3E	1 INTEGRATED CIRCUIT, DUAL D-TYPE EDGE-TRIGGERED FLIP-FLOP	SN7474N	01295	1	
	U28	4E	SAME AS U27			1	
	U29	5E	SAME AS U25			1	
	U30	6E	SAME AS U4			1	

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GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
12	U31	1F	SAME AS U14			1	
-20	U32	2F	NETWORK, HYBRID CIRCUIT, 14 PIN DUAL, R 1-200 OHMS, R2-300 OHMS	830095		1	
	U33	3F	SAME AS U32			1	
-21	U34	4F	INTEGRATED CIRCUIT, DIGI- TAL, QUAD 2-LINE-TO-LINE DATA SELECTORS/MULTIFLEX- ERS	SN74157N	01295	1	
	U35	5F	SAME AS U32			1	
	U36	6F	SAME AS U4			1	
-22			BRACKET, CONNECTOR, MOUNTING	101625		4	
-23			(ATTACHING PART) RIVET, BLIND -----*	AD42ABS	07707	4	
-24			PRINTED WIRING BOARD	104079		1	

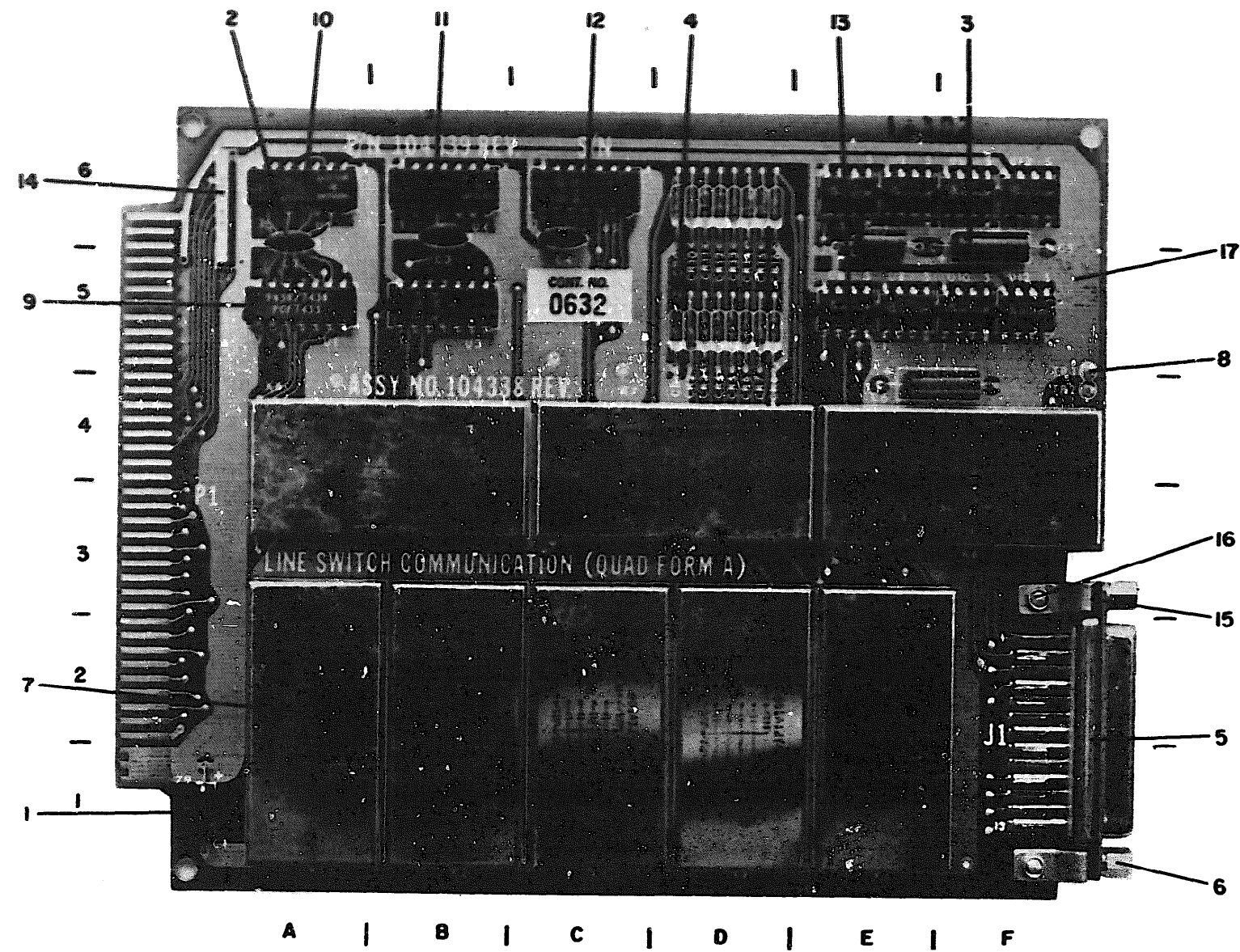


Figure 13. Circuit Card Assembly, Communication

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usab on Code
13	A5		CIRCUIT CARD ASSEMBLY, COMMUNICATION (SEE FIGURE 1-6 FOR NHA)	104338		REF	
-1	C1	1A	CAPACITOR, FIXED, ELECTROLYTIC, 18MF, + 10%, 10V	CSR13D186KM	81349	1	
-2	C2	6A	CAPACITOR, FIXED, CERAMIC 0.01MF, + 80, - 20%, 100V	805-00025V0-103Z	72982	1	
	C3	6B	SAME AS C2			1	
	C4	6C	SAME AS C2			1	
-3	C5	6F	CAPACITOR, FIXED ELECTROLYTIC, 22MF, + 10%, 20V	CSR13F226KM	81349	1	
	C6	4F	SAME AS C5			1	
	C7	6E	SAME AS C1			1	
-4	CR1	5D	SEMICONDUCTOR DEVICE, DIODE	IN4608	03508	1	
	CR2	5D	SAME AS CR1			1	
	CR3	5D	SAME AS CR1			1	
	CR4	5D	SAME AS CR1			1	
	CR5	5D	SAME AS CR1			1	
	CR6	5D	SAME AS CR1			1	
	CR7	5D	SAME AS CR1			1	
	CR8	5D	SAME AS CR1			1	
	CR9	6D	SAME AS CR1			1	
	CR10	6D	SAME AS CR1			1	
	CR11	6D	SAME AS CR1			1	

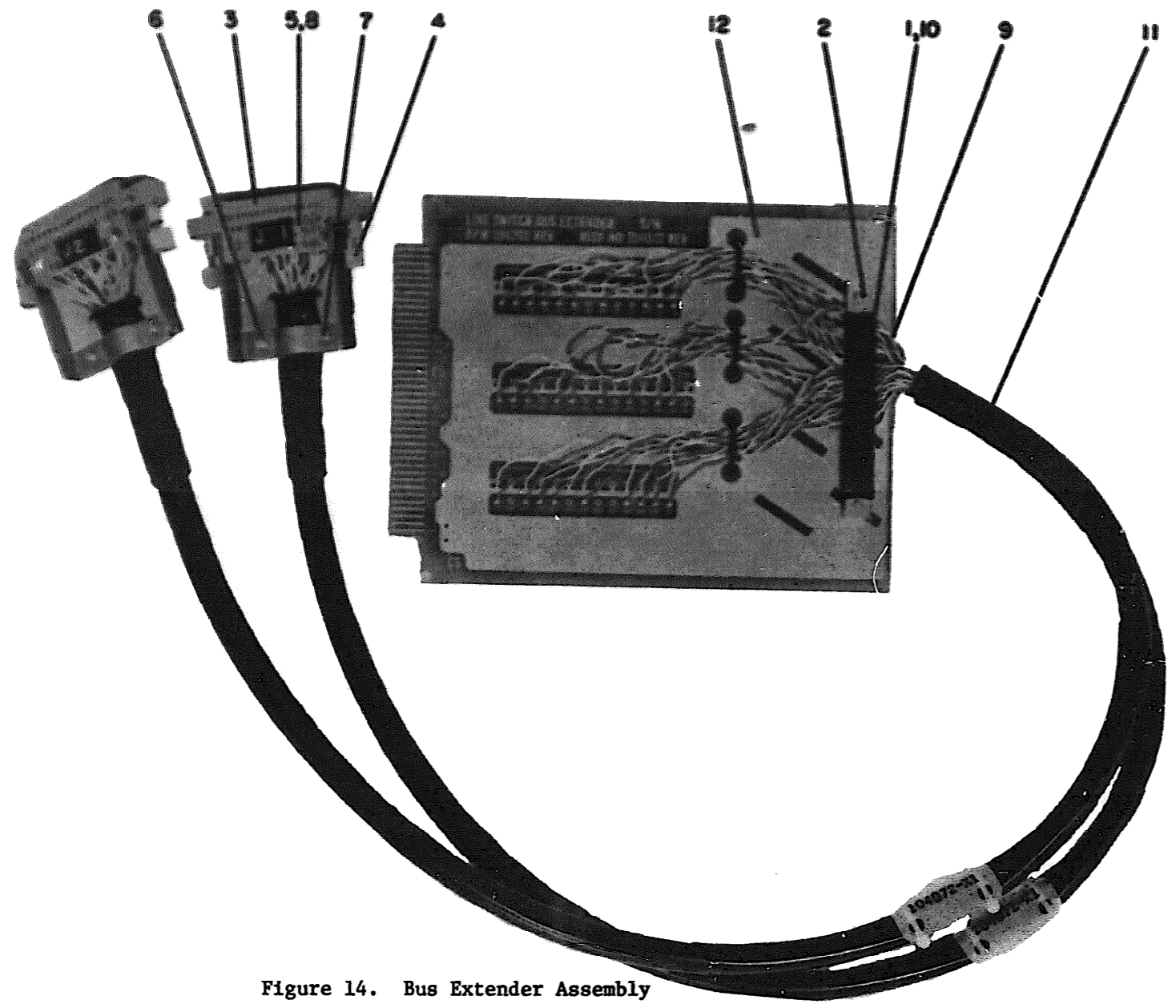
GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
13	CR12	6D	SAME AS CR1			1	
	CR13	6D	SAME AS CR1			1	
	CR14	6D	SAME AS CR1			1	
	CR15	6D	SAME AS CR1			1	
	CR16	6D	SAME AS CR1			1	
	-5	J1		CONNECTOR, RECEPTACLE, ELECTRIC, 25 PIN	DB25SF179	71468	1
-6			(ATTACHING PART) STUD, EXTENSION ----*----	D20418-2	71785	2	
-7	K1	1A	RELAY, DPDT LATCH	961A12Y4L	71482	1	
	K2	1B	SAME AS K1			1	
	K3	1C	SAME AS K1			1	
	K4	1D	SAME AS K1			1	
	K5	1D	SAME AS K1			1	
	K6	4A	SAME AS K1			1	
	K7	4C	SAME AS K1			1	
	K8	4E	SAME AS K1			1	
-8	TP1	5F	CONTACT, ELECTRICAL	61067-1	00779	1	
	TP2	4F	SAME AS TP1			1	
-9	U1	5A	INTEGRATED CIRCUIT, DIGITAL QUAD 2-INPUT POSITIVE-NAND BUFFER (OPEN COLLECTOR)				
SN7438N	01295	1	INTEGRATED CIRCUIT, DIGITAL QUAD 2-INPUT POSITIVE-NAND BUFFER (OPEN COLLECTOR)				
SN7400N	01295	1	INTEGRATED CIRCUIT, DIGITAL QUAD 2-INPUT POSITIVE NAND GATE				
					-10	U2	6A
							TIVE-NAND BUFFER (OPEN COLLECTOR.
							INTEGRATED CIRCUIT, DIGITAL QUAD 2-INPUT POSITIVE NAND GATE.

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code	
13 -11	U3	5B	INTEGRATED CIRCUIT, DIGITAL, HEXINVERTER	SN74H04N	01295	1		
	U4	6B	SAME AS U2			1		
-12	U5	6C	INTEGRATED CIRCUIT, DIGITAL, DUAL D-TYPE EDGE-TRIGGERED FLIP-FLOP	SN7474N	01295	1		
-13	U6	5E	INTEGRATED CIRCUIT, DUAL PERIPHERAL POSITIVE-NAND DRIVER	SN75452BP	01295	1		
	U7	6E	SAME AS U6			1		
	U8	5E	SAME AS U6			1		
	U9	6E	SAME AS U6			1		
	U10	5F	SAME AS U6			1		
	U11	6F	SAME AS U6			1		
	U12	5F	SAME AS U6			1		
	U13	6F	SAME AS U6			1		
	-14	Z1	6A	RESISTOR, NETWORK, 1K	750-81R1K	23223	1	
	-15			BRACKET, CONNECTOR, MOUNTING	101625		2	
-16			(ATTACHING PART) RIVET BLIND ----*----	AD42ABS	07707	2		
-17			PRINTED WIRING BOARD	104339		1		

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TO 3186-4-691-4

Figure 14. Bus Extender Assembly

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
14	A6		BUS EXTENDER ASSEMBLY (SEE FIGURE 1-7 FOR NHA)	104072		REF	
-1			CABLE CLAMP	101685		2	
-2			(ATTACHING PART) SCREW, MACHINE ---*---	MS51957-18	96906	2	
-3	P1		CONNECTOR ASSEMBLY, 30 POSITION	102414		1	
-4			(ATTACHING PART) SCREW, CAPTIVE ---*---	SJN7900-423	08524	2	
-5			CONNECTOR, PLUG, ELECTRIC, 30 POSITION	PB4D2D15-1	09922	1	
-6			STRAIN RELIEF	102377		1	
-7			(ATTACHING PART) SCREW, MACHINE ---*---	MS51957-15	96906	2	
-8			CONTACT, ELECTRICAL	SPBM24H1	09922	30	
	P2		SAME AS P1			1	
-9			WIRE, ELECTRIC STRANDED, 1 TWISTED PAIR, 26AWG	8640	70903	AR	
-10			TUBING, SHRINK, 3/8"	FIT221-3-8	92194	AR	
-11			TUBING, POLYVINYL CHLORIDE, 9/16", BLACK	PVC105-9-161N	92194	AR	
-12			PRINTED WIRING BOARD	104201		1	

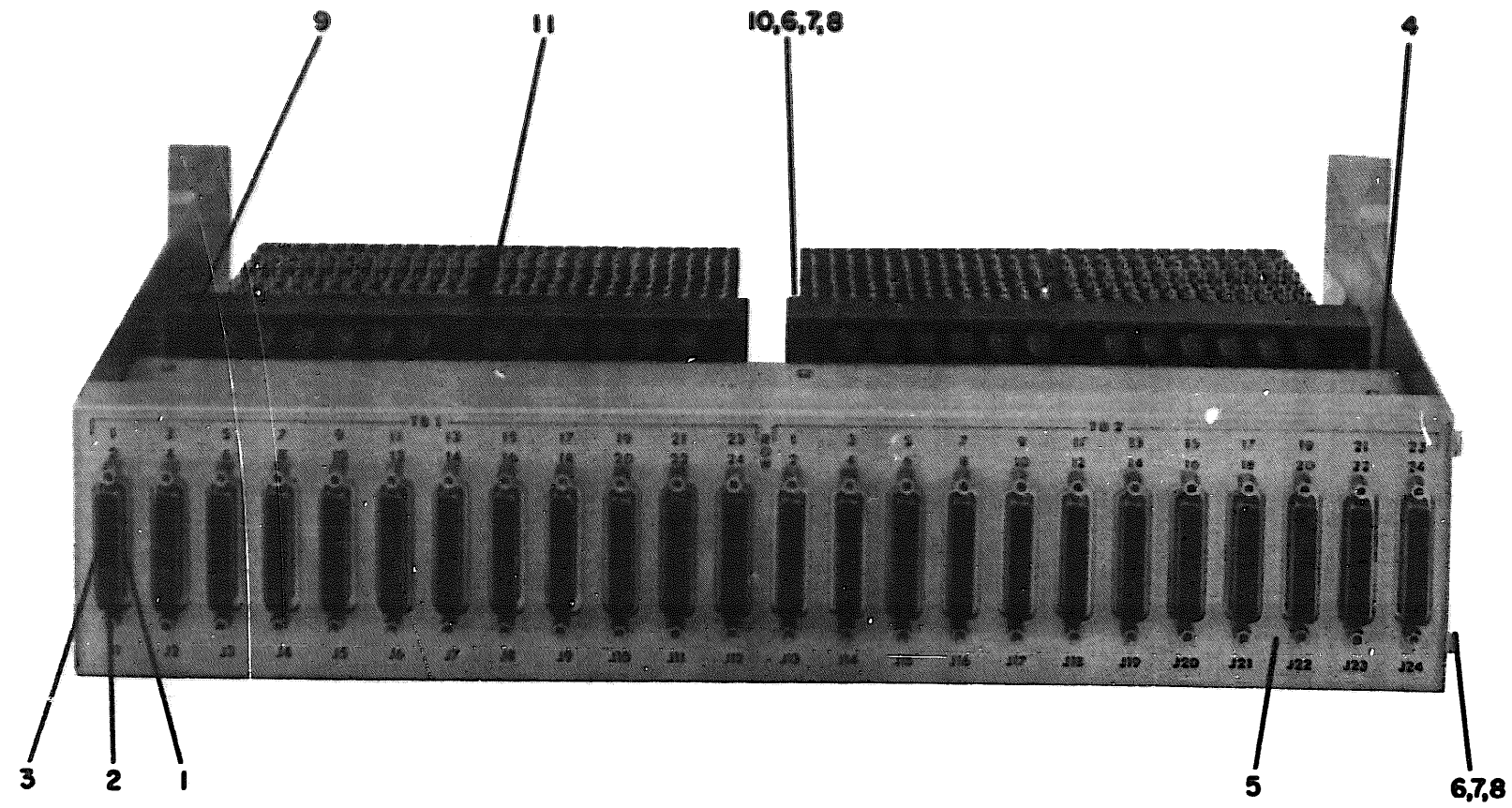


Figure 15. Terminator Assembly, Communication

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
15	A7		TERMINATOR ASSEMBLY, COMMUNICATION (SEE FIGURE 1-3 FOR NHA)	104101		REF	
-1	J1		CONNECTOR, RECEPTACLE, ELECTRIC, 25 SOCKET	205207-1	00779	24	
-2			(ATTACHING PART) SCREW, CAPTIVE ----*----	D20418-2	71785	48	
	J2		SAME AS J1			1	
	J3		SAME AS J1			1	
	J4		SAME AS J1			1	
	J5		SAME AS J1			1	
	J6		SAME AS J1			1	
	J7		SAME AS J1			1	
	J8		SAME AS J1			1	
	J9		SAME AS J1			1	
	J10		SAME AS J1			1	
	J11		SAME AS J1			1	
	J12		SAME AS J1			1	
	J13		SAME AS J1			1	
	J14		SAME AS J1			1	
	J15		SAME AS J1			1	
	J16		SAME AS J1			1	
	J17		SAME AS J1			1	
	J18		SAME AS J1			1	
	J19		SAME AS J1			1	

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GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
15	J20		SAME AS J1			1	
	J21		SAME AS J1			1	
	J22		SAME AS J1			1	
	J23		SAME AS J1			1	
	J24		SAME AS J1			1	
-3			CONTACT, ELECTRICAL	205311-9	00779	384	
-4			PANEL, TERMINAL	104170		1	
-5			PANEL, CONNECTOR	104171		1	
			(ATTACHING PARTS)				
-6			SCREW, MACHINE	MS51957-30	96906	4	
-7			WASHER, FLAT	MS15795-806	96906	4	
-8			WASHER, LOCK	MS35338-136	96906	4	
			-----*				
-9			SPACER, SLEEVE, 1/4"X 1/2"	2102	83330	8	
-10			TERMINAL BLOCK	850320		2	
			(ATTACHING PARTS)				
			SCREW, MACHINE	MS51957-30	96906	8	
			WASHER, FLAT	MS15795-806	96906	8	
			WASHER, LOCK	MS35338-136	96906	8	
			-----*				
-11			WIRE, ELECTRIC, STRANDED, 1 TWISTED PAIR, 26AWG	8640	70903	AR	

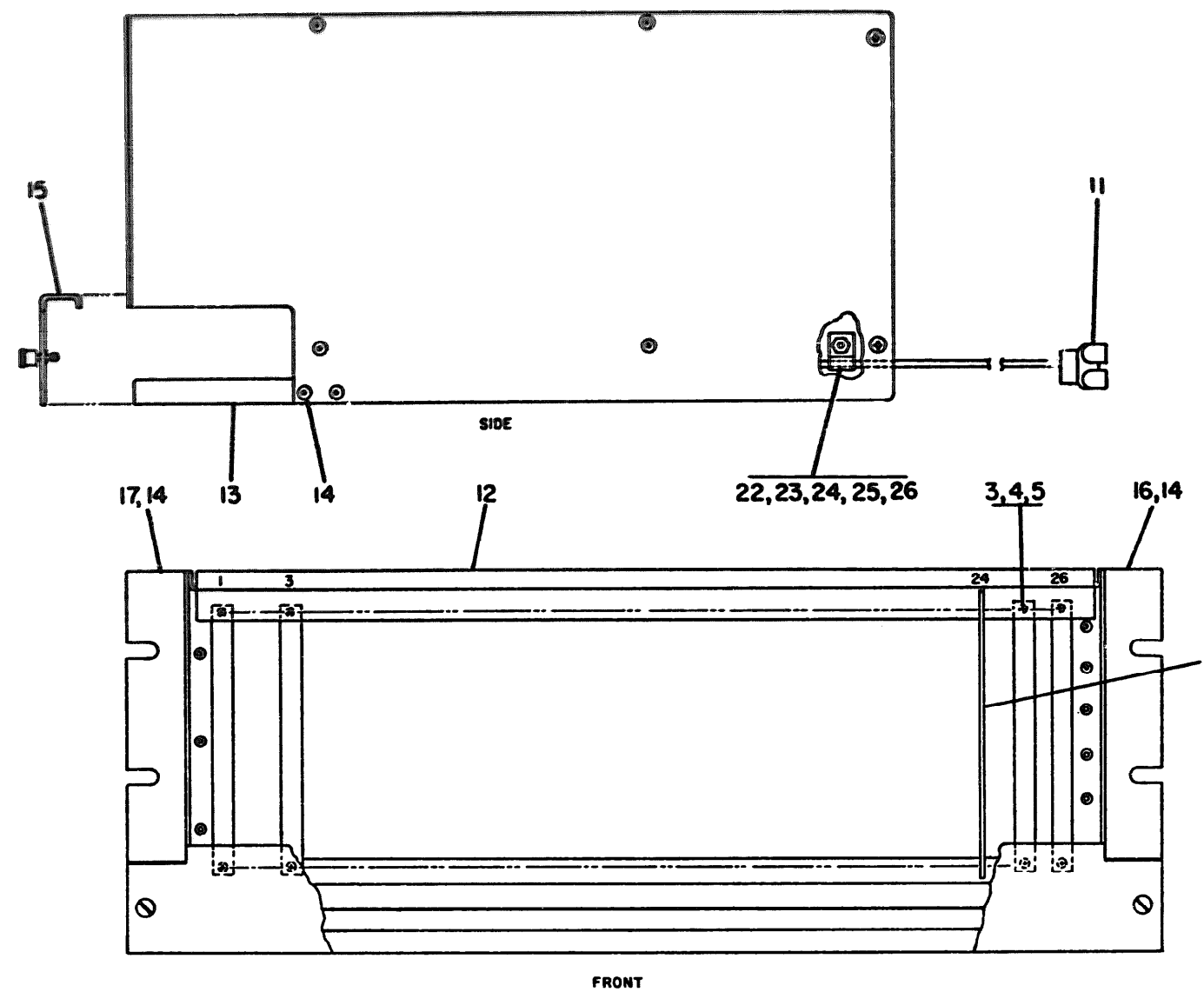


Figure 16. Card File Assembly Digital (Sheet 1 of 2)

GROUP ASSEMBLY PARTS LIST

TO 31S5-4-531-4

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
16	A8		CARD FILE ASSEMBLY DIGITAL (SEE FIGURE 1-9 FOR NHA)	104083		REF	
-1	A1		CIRCUIT CARD ASSEMBLY REPOWER (SEE FIGURE 6 FOR BREAKDOWN)	104152		1	
-2	A2		CONNECTOR ASSEMBLY, ELECTRIC (SEE FIGURE FOR BREAKDOWN)	104108		1	
-3			(ATTACHING PARTS)				
-4			SCREW, MACHINE	MS51957-15	96906	38	
-5			WASHER, FLAT	MS15795-804	96906	38	
-5			WASHER LOCK	MS35338-135	96906	38	
			-----*				
-6	W1		CABLE ASSEMBLY, BACK PLANE TO SWITCH CARD (SEE FIGURE 8 FOR BREAKDOWN)	104112		12	
			(ATTACHING PART)				
-7			STUD, EXTENSION.....	D20418-2	71785	48	
			-----*				
-8	W2		CABLE ASSEMBLY, BACK PLANE TO CONTROLLER PANEL, (SEE FIGURE 9 FOR BREAK- DOWN)	104113		4	
			(ATTACHING PARTS)				
-9			SCREW, MACHINE.....	MS51957-17	96906	8	
			WASHER, FLAT.....	MS15795-804	96906	8	
			WASHER, LOCK.....	MS35338-135	96906	8	
-10			NUT, PLAIN, HEX.....	MS35649-244	96906	8	
			-----*				
-11	W3		CABLE ASSEMBLY, POWER (SEE FIGURE 10 FOR BREAK- DOWN)	104202		1	
-12			CARD FILE WELDMENT ASSEM- B L Y.....	101440		1	
-13			CABLE SUPPORT.....	101623		1	

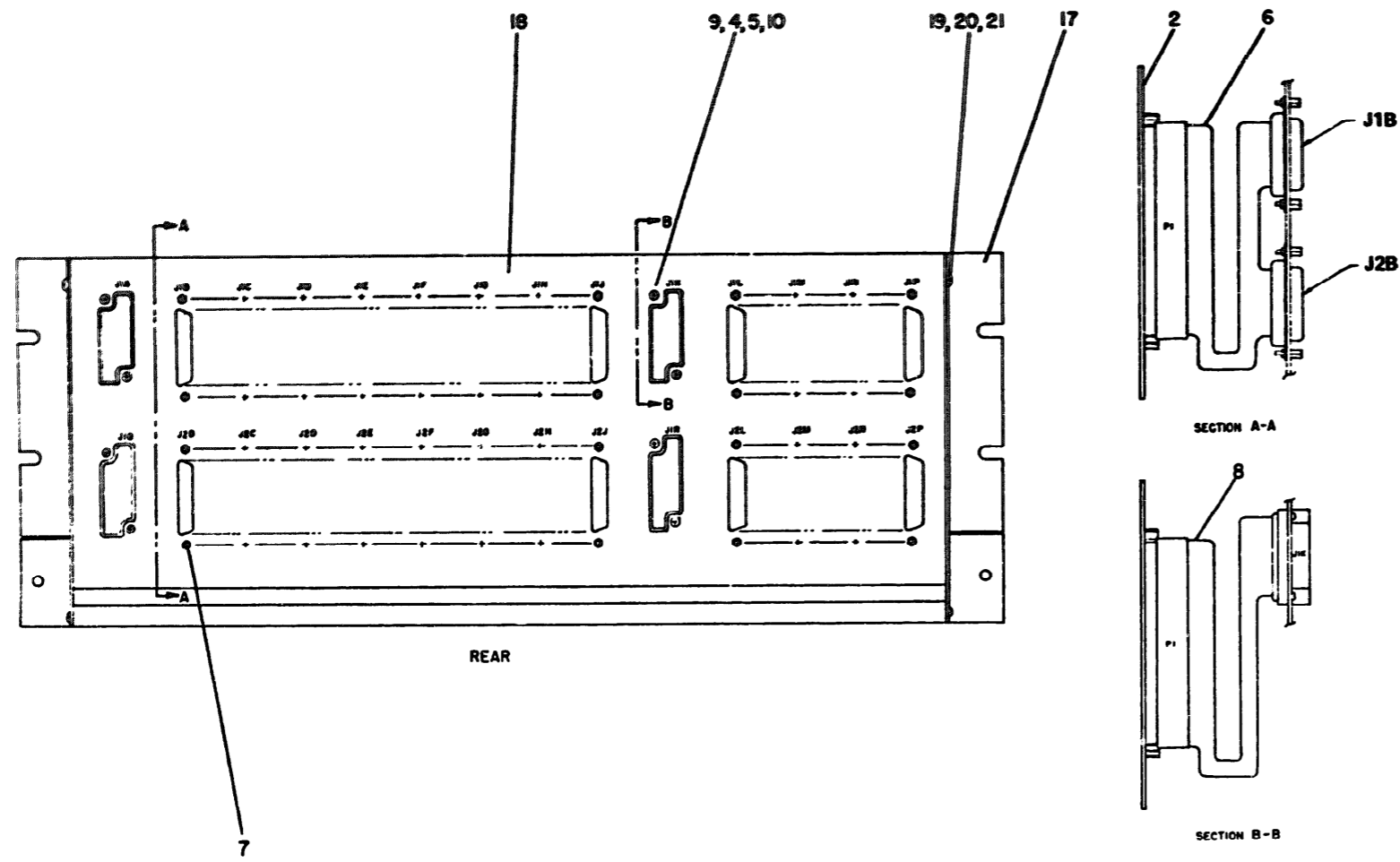


Figure 16. Card File Assembly Digital (Sheet 2 of 2)

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
16 -14			(ATTACHING PART) • RIVET, BLIND.	AD43AB5	07707	4	
-15			• NOT USED.				
-16			• PANEL, RIGHT SIDE	104114-51		1	
			(ATTACHING PART) • RIVET, BLIND.	AD43AB5	07707	4	
-17			• PANEL, LEFT SIDE.	104114-62		1	
			(ATTACHING PART) • RIVET, BLIND.	AD43AB5	07707	4	
-18			• PANEL, CONNECTOR.	104115		1	
			(ATTACHING PARTS) • SCREW, MACHINE.	MS1957-29	96906	4	
-20			• WASHER, FLAT.	MS15795-341	96906	4	
-21			• WASHER, LOCK.	MS33159-136	96906	4	
-22			• CLAMP, CABLE, PLASTIC . .	773	33330	1	
			(ATTACHING PARTS) • SCREW, MACHINE.	MS1957-46	96906	1	
-24			• WASHER, FLAT.	MS15795-341	96906	1	
-25			• WASHER, LOCK.	MS33159-137	96906	1	
-26			• NUT, PLAIN, NER	MS33649-286	96906	1	

GROUP ASSEMBLY

FORM-68-625

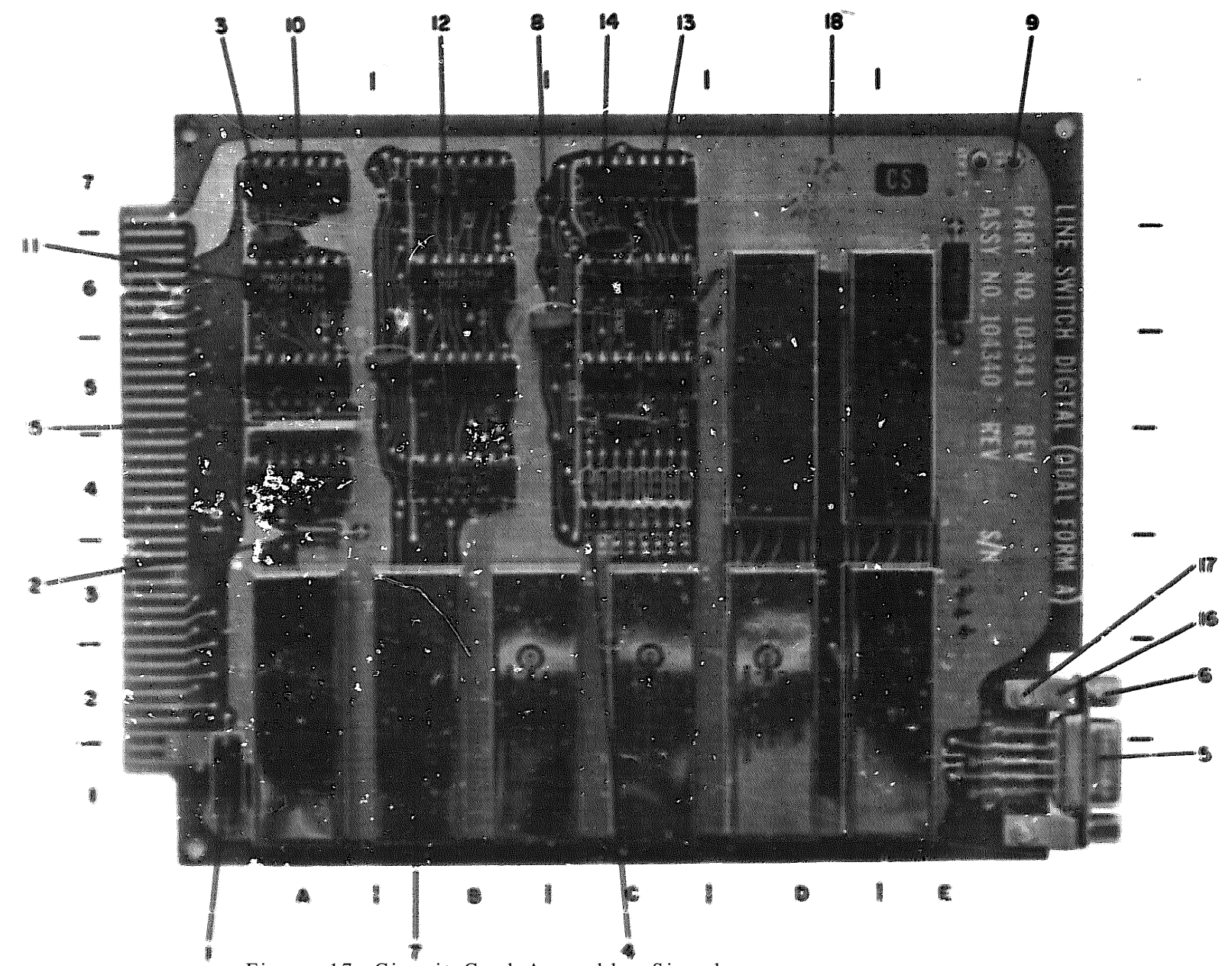


Figure 17. Circuit Card Assembly, Signal

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
17	A9		CIRCUIT CARD ASSEMBLY, DIGITAL (SEE FIGURE 1-10 FOR NHA).	104340		REF	
-1	C1	1A	. CAPACITOR, FIXED, ELECTROLYTIC, 22MF, $\pm 10\%$, 20V	CSR13F226KM	81349	1	
	C2	6E	. SAME AS C1.			1	
-2	C3	4A	. CAPACITOR, FIXED, ELECTROLYTIC, 18MF $\pm 10\%$, 10V	CSR13D186KM	81349	1	
	C4	5C	. SAME AS C3.			1	
-3	C5	6A	. CAPACITOR, FIXED, CERAMIC, 0.01MF, $+ 80\%$, -20% , 100V.	805-0002540-103Z	72982	4	
	C6	6C	. SAME AS C5.			1	
	C7	6C	. SAME AS C5.			1	
	C8	5B	. SAME AS C5.			1	
-4	CR1	4C	. SEMICONDUCTOR DEVICE, DIODE	1N4608	03508	1	
	CR2	4C	. SAME AS CR1			1	
	CR3	4C	. SAME AS CR1			1	
	CR4	4C	. SAME AS CR1			1	
	CR5	4C	. SAME AS CR1			1	
	CR6	4C	. SAME AS CR1			1	
	CR7	4C	. SAME AS CR1			1	
	CR8	4C	. SAME AS CR1			1	
-5	J1		. CONNECTOR, RECEPTACLE, ELECTRIC, 9 PIN	DESGF179	70705	1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
17 -6			(ATTACHING PART) .. STUD, EXTENSION	D20418-2	71785	2	
-7	K1	3A	.. RELAY, 2 FORM A, LATCH. .	961A12Y2L	71482	1	
	K2	3B	.. SAME AS K1.			1	
	K3	3B	.. SAME AS K1.			1	
	K4	3C	.. SAME AS K1.			1	
	K5	6D	.. SAME AS K1.			1	
	K6	3D	.. SAME AS K1.			1	
	K7	6E	.. SAME AS K1.			1	
	K8	3E	.. SAME AS K1.			1	
-8	R1	6B	.. RESISTOR, FIXED, FILM, 1K, \pm 5%, 1/4W.	RL076102J	01349	1	
	R2	7E	.. SAME AS R1.			1	
-9	TP1	7E	.. CONTACT, ELECTRICAL . . .	61067-1	00779	1	
	TP2	7E	.. SAME AS TP1			1	
-10	U1	7A	.. INTEGRATED CIRCUIT, DIGI- TAL, QUAD 2-INPUT POSI- TIVE NAND-GATE.	9N7400N	01295	1	
-11	U2	6A	.. INTEGRATED CIRCUIT, DIGI- TAL, QUAD 2-INPUT POSI- TIVE-NAND BUFFER (OPEN COLLECTOR).	9N7430N	01295	1	
	U3	3A	.. SAME AS U1.			1	
	U4	4A	.. SAME AS U1.			1	
-12	U5	7B	.. INTEGRATED CIRCUIT, DIGI- TAL, HEX INVERTER	9N7404N	01295	1	
	U6	6B	.. SAME AS U2.			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
17	07	5B	* SAME AS U1.			1	
	08	4B	* SAME AS U5.			1	
-13	09	7C	* INTEGRATED CIRCUIT, DIGI- TAL, QUAD D-TYPE FLIP- FLOP WITH CLEAR	SN741750	01295	1	
-14	010	9C	* INTEGRATED CIRCUIT, DIGI- TAL DUAL PERIPHERAL POSI- TIVE-EDGE DRIVE	SN754520P	01295	1	
	011	6C	* SAME AS U10			1	
	012	5C	* SAME AS U10			1	
	013	5C	* SAME AS U10			1	
-15	21	5A	* RESISTOR NETWORK BK	750-8100K	23223	1	
-16			* BRACKET, CONNECTOR, MOUNTING.	104625		2	
-17			(ATTACHING PART) * RIVET, BLIND.	4042005	07707	2	
-18			* PRINTED WIRING BOARD. . .	104341		1	

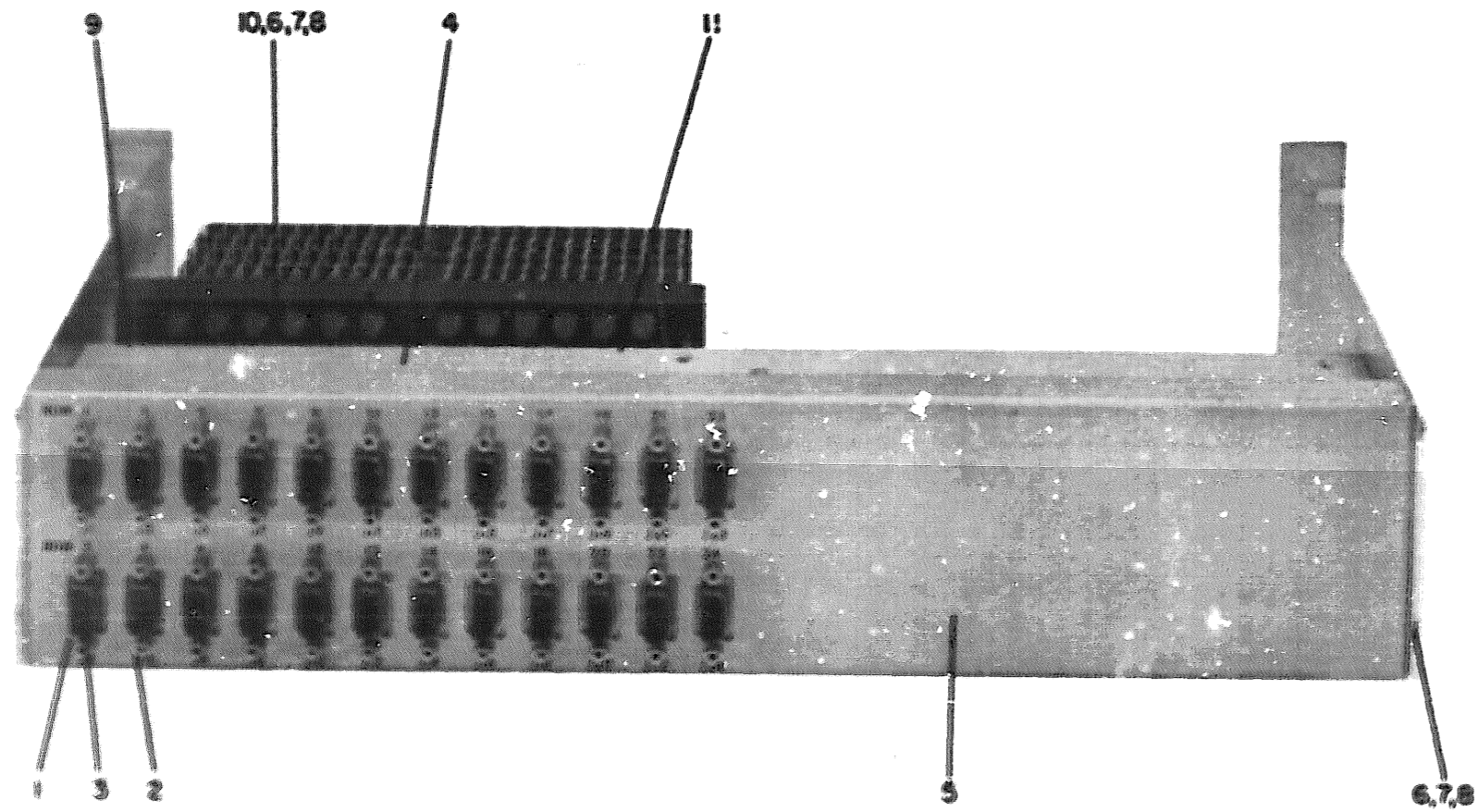


Figure 18. Terminator Assembly, Signal

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
18	A10		TERMINATOR ASSEMBLY, DIGI- TAL (SEE FIGURE 1-11 FOR WBA)	104102		REF	
-2	J1		CONNECTOR, RECEPTACLE, ELECTRIC, 9 SOCKET	205203-1	00779	1	
-2			(ATTACHING PART) STUD, EXTENSION	020418-2	71785	40	
	J2		.. SAME AS J1.			1	
	J3		.. SAME AS J1.			1	
	J4		.. SAME AS J1.			1	
	J5		.. SAME AS J1.			1	
	J6		.. SAME AS J1.			1	
	J7		.. SAME AS J1.			1	
	J8		.. SAME AS J1.			1	
	J9		.. SAME AS J1.			1	
	J10		.. SAME AS J1.			1	
	J11		.. SAME AS J1.			1	
	J12		.. SAME AS J1.			1	
	J13		.. SAME AS J1.			1	
	J14		.. SAME AS J1.			1	
	J15		.. SAME AS J1.			1	
	J16		.. SAME AS J1.			1	
	J17		.. SAME AS J1.			1	
	J18		.. SAME AS J1.			1	
	J19		.. SAME AS J1.			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
18	320		o SAME AS J1.			1	
	321		o SAME AS J1.			1	
	322		o SAME AS J1.			1	
	323		o SAME AS J1.			1	
	324		o SAME AS J1.			1	
-3			o CONTACT, ELECTRICAL.	205301-9	00779	182	
-4			o PANEL, TERMINAL.	104170		1	
-5			o PANEL, CONNECTOR.	104173		1	
			(ATTACHING PARTS)				
-6			o SCREW, MACHINE.	MS3057-30	96906	4	
-7			o WASHER, FLAT.	MS35795-006	96906	4	
-8			o WASHER, LOCK.	MS35338-136	96906	4	
			o SPACER, SLEEVE.	2102	83330	4	
-10			o TERMINAL BLOCK.	850220		1	
			(ATTACHING PARTS)				
			o SCREW, MACHINE.	MS3057-30	96906	4	
			o WASHER, FLAT.	MS35795-006	96906	4	
			o WASHER, LOCK.	MS35338-136	96906	4	
-11			o WIRE, ELECTRIC, STRANDED, 3 TWISTED PAIR, 20AWG	8640	70903	WR	

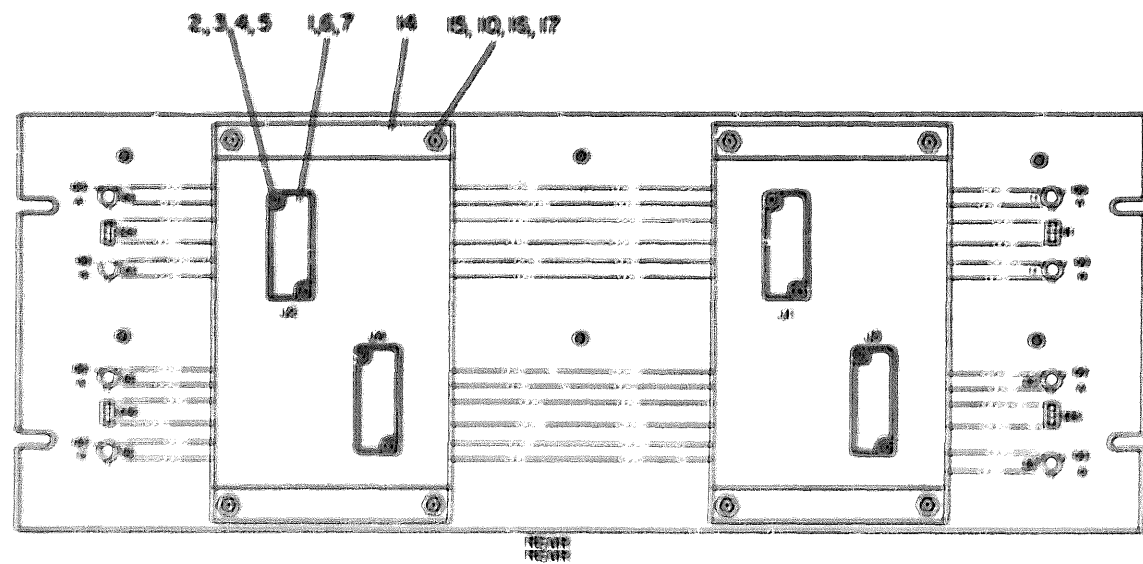
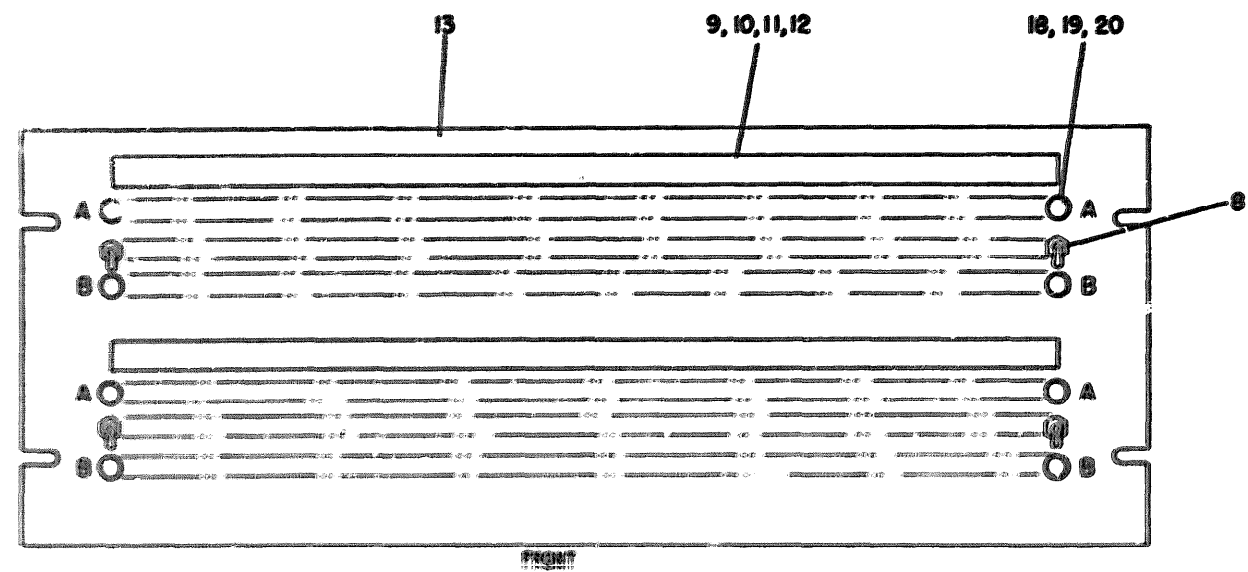


Figure 19. Expansion Control Panel (Sheet 1 of 2)

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Quantity on Code
10	ALL		EXPANSION CONTROL PANEL (SEE FIGURE 1-12 FOR NIB)	104005		100	
-1	JL		CONNECTION, NEGATIVE TERMINAL, 1/4 INCH DIA	200104-2	000779	1	
			(ATTACHING PANEL)				
-2			SCREEN, MACHINING	0001077-27	000000	2	
-3			WASHER, FLAT	0001077-006	000000	2	
-4			WASHER, LOCK	0001077-125	000000	2	
-5			NUT, FLANGE, HDG	0001060-246	000000	2	
-6			JACKSCREW, POINT, 61- MILE	2001079-1	000779	1	
-7			CONTACT, ELECTRICAL	2001016-2	000779	66	
	12		SAME AS JL			1	
	13		SAME AS JL			1	
	14		SAME AS JL			1	
-8	SL		SWITCH, TONGUE, SHUT, ON- OFF-ON	71010022	000000	1	
	12		SAME AS SL			1	
	13		SAME AS SL			1	
	14		SAME AS SL			1	
	15		SAME AS SL			1	
	16		SAME AS SL			1	
	17		SAME AS SL			1	
	18		SAME AS SL			1	
	19		SAME AS SL			1	
	20		SAME AS SL			1	
	21		SAME AS SL			1	

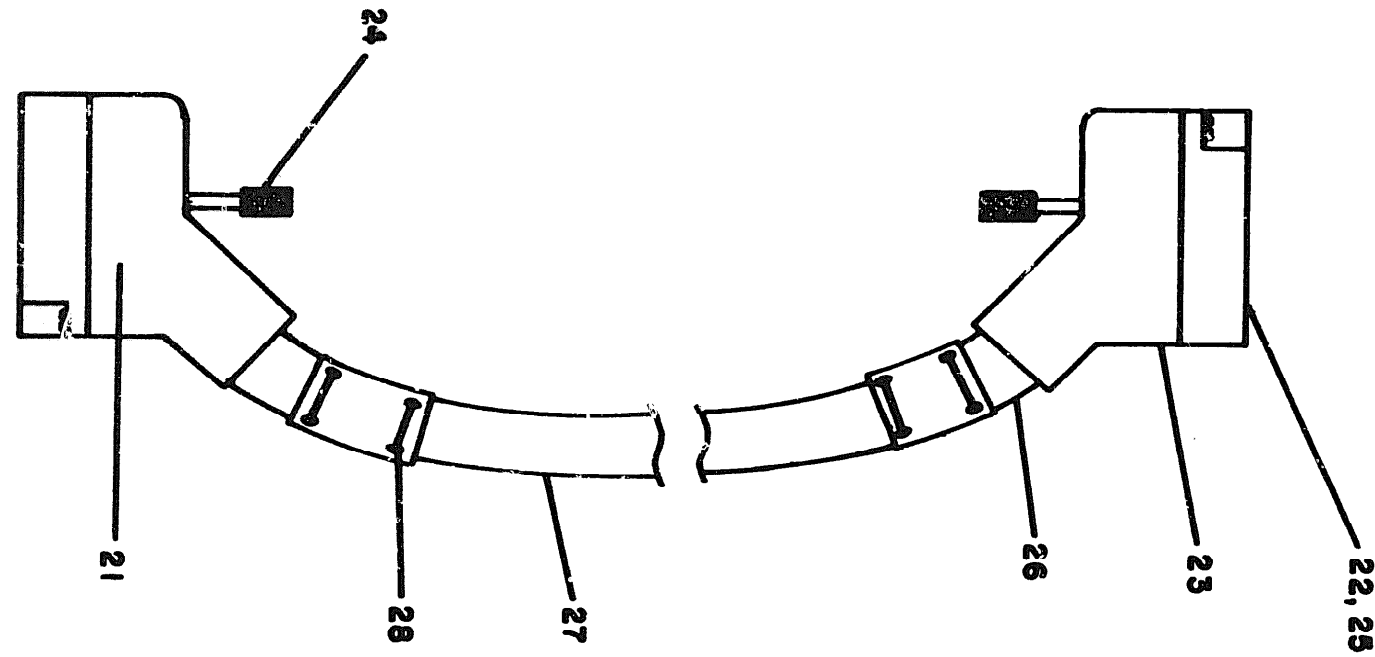


Figure 19. Expansion control Panel (Sheet 2 of 2)

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
19	S12		SAME AS S1.			1	
	S13		SAME AS S1.			1	
	S14		S A M E A S S 1			1	
	S15		. S A M E A S S 1			1	
	S16		. SAME AS S1			1	
	S17		. SAME AS S1.			1	
	S18		. SAME AS S1.			1	
	S19		. SAME AS S1			1	
	S20		. SAME AS S1. t			1	
	S21		. SAME AS S1.			1	
	S22		. S A M E A S S 1 .			1	
	S23		. SAME AS S1			1	
	S24		. SAME AS S1			1	
	S25		. SAME AS S1			1	
	S26		. SAME AS S1			1	
	S27		. SAME AS S1			1	
	S28		. SAME AS S1			1	
	S29		. SAME AS S1			1	
	S30		. SAME AS S1			1	
	S31		. SAME AS S1			1	
S32		. SAME AS S1			1		
S33		. SAME AS S1			1		
S34		. SAME AS S1			1		
S35		. SAME AS S1			1		

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
19	S36		. SAME AS S1			1	
	S37		. SAME AS S1			1	
	S38		. SAME AS S1			1	
	S39		. SAME AS S1			1	
	S40		. SAME AS S1			1	
	S41		. SAME AS S1			1	
	S42		. SAME AS S1			1	
	S43		. SAME AS S1			1	
	S44		. SAME AS S1			1	
	S45		. SAME AS S1			1	
	S46		. SAME AS S1			1	
	S47		. SAME AS S1			1	
	S48		. SAME AS S1			1	
-9			. IDENTIFICATION MOUNTING STRIP	102780-03		2	
			(ATTACHING PARTS)				
-10			. WASHER, FLAT	MS15795-806		12	
-11			. RIVIT, BLIND	AD43ABS		6	
			-----*				
-12			. COVER, IDENTIFICATION STRIP	102781-03		2	
-13			. PANEL, EXPANSION.	104118		1	
-14			. PANEL, CONNECTOR MOUNTING	104119		2	
			(ATTACHING PARTS)				
-15			. SCREW, MACHINE.	MS51957-30	96906	8	
			. WASHER, FLAT	MS15795-806	96906	8	
-16			. WASHER, LOCK.	MS35338-136	96906	8	
-17			. NUT, PLAIN, REX.	MS35649-264	96906	8	
			-----*				

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
19-18			INDICATOR LIGHT, LIGHT-EMITTING DIODE.	507-4757-3331-500	34533	96	
-19			CONNECTOR, LED INDICATOR.	515-0074	08440	96	
-20			SPEED CLIP. 1 . . .	515-0051	72619	96	
-21	W1		CABLE ASSEMBLY, CARD FILE.	104111-072		4	
-22	P1		CONNECTOR, PLUG, ELECTRIC, 54 POSITION. . . .	203804-2	00779	1	
-23			CONNECTOR, BODY, RECEPTACLE	203814-1	00779	1	
-24			JACKSCREW, MALE	203880-2	00779	1	
-25			CONTACT, ELECTRICAL	203802-2	00779	54	
-26			BUSHING, RUBBER	AN3420-8	88044	1	
	P2		SAME AS P1			1	
-27			CABLE, SPECIAL PURPOSE, 27 TWISTED PAIR, 26AWG .	5235	92194	AR	
-28			CABLE TIES	SSTIM	06383	4	

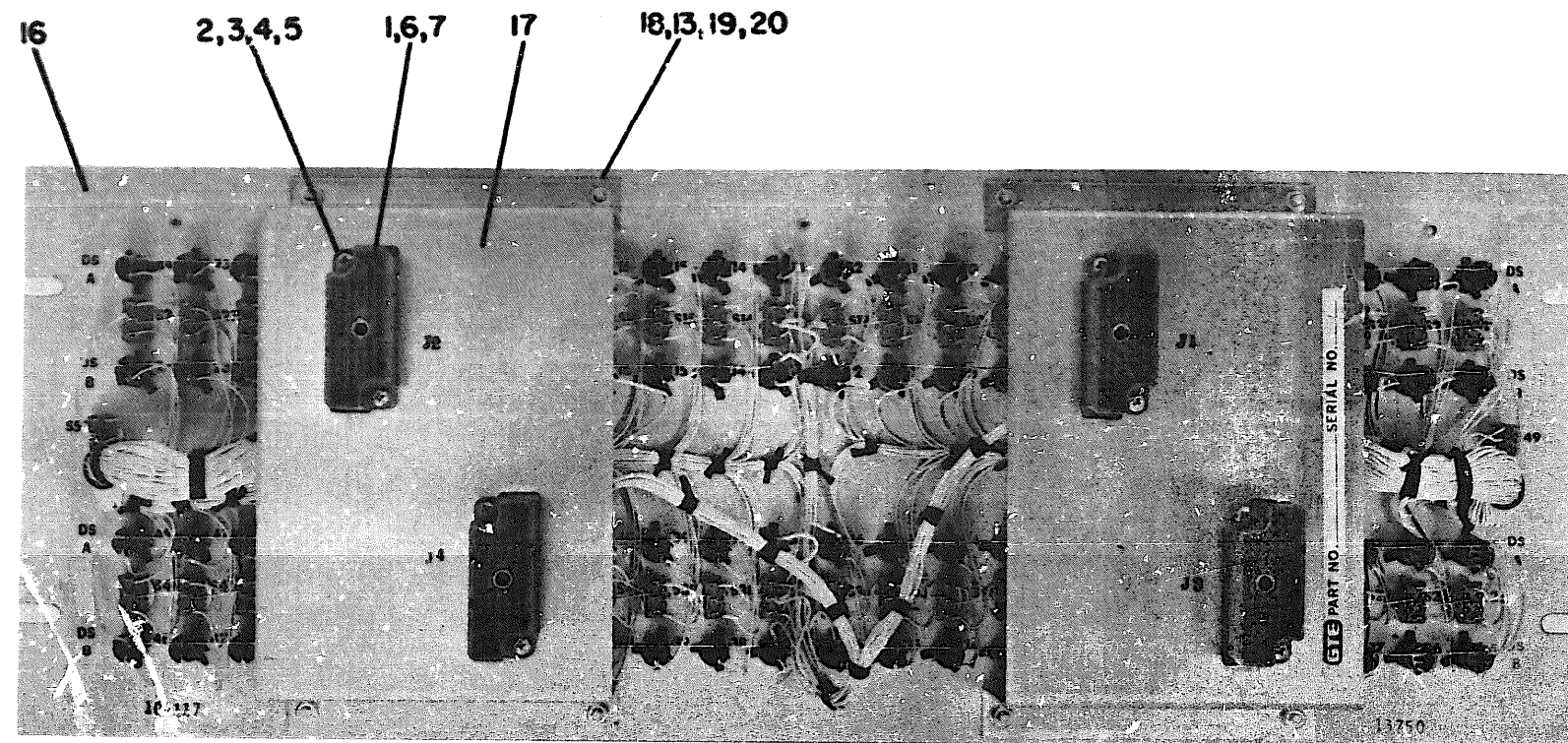


Figure 20, Master Control Panel Assembly (Sheet 1 of 3)

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
20	A12		MASTER CONTROL PANEL ASSEMBLY (SEE FIGURE 1-13 FOR NHA)	104086		REF	
-1	J1		CONNECTOR, RECEPTACLE ELECTRICAL, 54 POSITION	203803-2	00779	1	
			(ATTACHING PARTS)				
-2			SCREW, MACHINE	MS51957-17	96906	8	
-3			WASHER, FLAT	MS15795-804	96906	8	
-4			WASHER, LOCK.	MS35338-135	96906	8	
-5			: NUT, PLAIN, HEX.	MS35649-244	96906	8	
			-----*				
-6			.. SCREW, FIXED, FEMALE	203879-1	00779	4	
-7			.. CONTACT, ELECTRICAL . .	203816-2	00779	54	
	J2		SAME AS J1.			1	
	J3		. SAME AS J1.			1	
	J4		SAME AS J1			1	
-8	S1		SWITCH, TOGGLE, SPDT, ON-OFF-ON	7103SYZ	09353	1	
	S2		. SAME AS S1.			1	
	S3		. SAME AS S1			1	
	S4		. SAME AS S1.			1	
	S5		SAME AS S1			1	
	S6		. SAME AS S1			1	
	S7		. SAME AS S1.			1	
	S8		. SAME AS S1			1	
	S9		. SAME AS S1			1	
	S10		. SAME AS S1			1	
	S11		. SAME AS S1			1	

T M 1 1 - 3 1 S 5 - 4 - 5 3 1 - 4

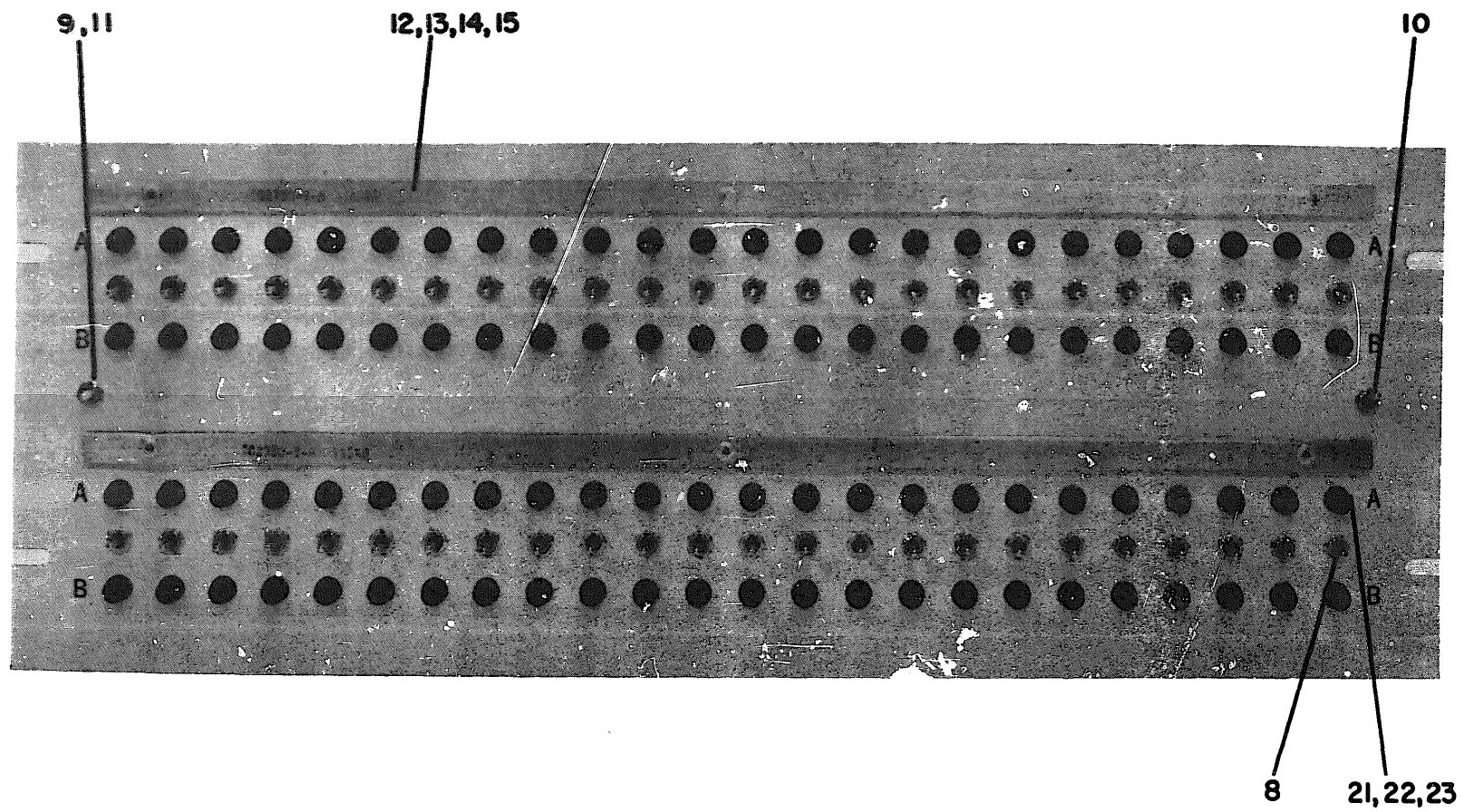
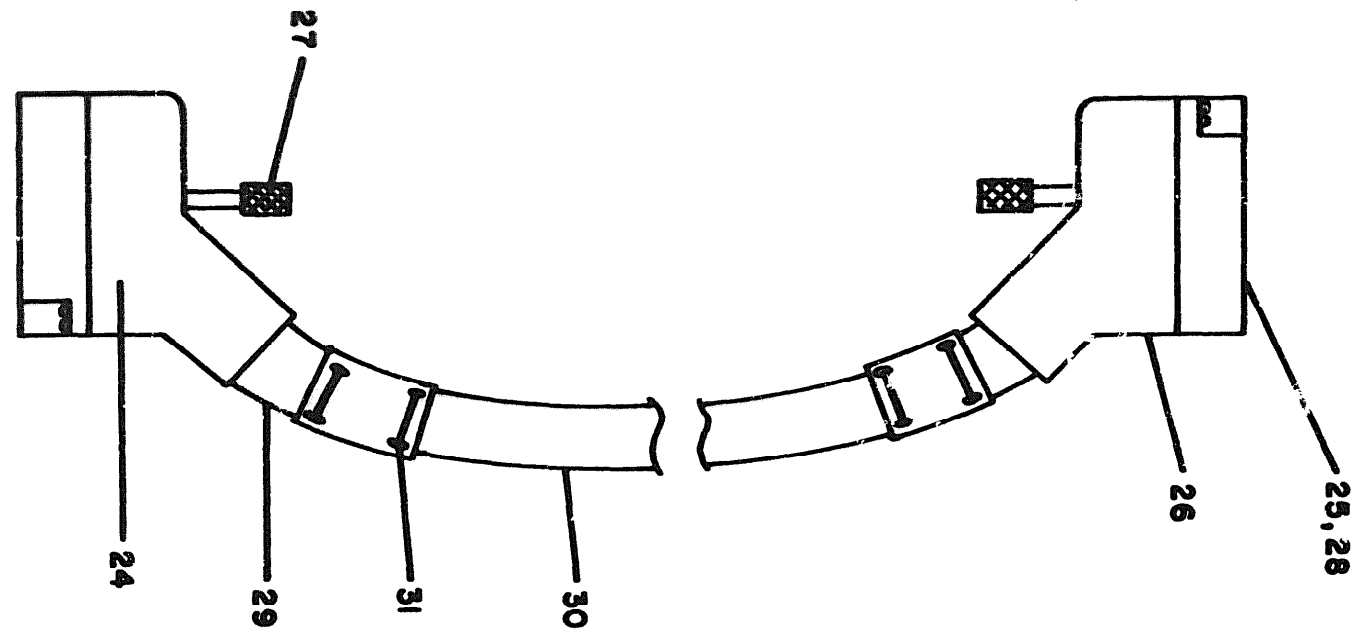


Figure 20. Master Control Panel Assembly (Sheet 2 of 3)

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
20	S12		SAME AS S1			1	
	S13		. SAME AS S1			1	
	S14	a	SAME AS S1			1	
	S15		. SAME AS S1			1	
	S16		. SAME AS S1			1	
	S17		. SAME AS S1			1	
	S18		. SAME AS S1			1	
	S19		. SAME AS S1			1	
	S20		. SAME AS S1			1	
	S21		. SAME AS S1			1	
	S22		. SAME AS S1			1	
	S23		. SAME AS S1			1	
	S24		. SAME AS S1			1	
	S25		. SAME AS S1			1	
	S26		. SAME AS S1			1	
	S27		. SAME AS S1			1	
	S28		. SAME AS S1			1	
	S29		. SAME AS S1			1	
	S30		. SAME AS S1			1	
	S31		. SAME AS S1			1	
S32		. SAME AS S1			1		
S33		. SAME AS S1			1		
S34		. SAME AS S1			1		
S35		. SAME AS S1			1		

T O 3 1 S 5 - 4 - 5 3 1 - 4



-- Figure--20. Mast control Panel Assembly (Sheet 3 of 3)

GROUP ASSEMBLY PARTS LIST

Figure & Index	Ref. No.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
20	S36		SAME AS S1			1	
	S37		SAME AS S1			1	
	S38		SAME AS S1			1	
	S39		SAME AS S1			1	
	S40		SAME AS S1			1	
	S-1		SAME AS S1			1	
	S42		SAME AS S1			1	
	S43		SAME AS S1			1	
	S44		SAME AS S1			1	
	S45		SAME AS S1			1	
	S46		SAME AS S1			1	
	S47		SAME AS S1			1	
	S48		SAME AS S1			1	
-9	S49		. SWITCH, MOMENTARY	P8121C	09353	1	
-10	S50		. SWITCH, TOGGLE, SPDT.	7101SYZ	09353	1	
-11			. CAP, SWITCH, WHITE.	A7527-1	09353	1	
-12			. IDENTIFICATION MOUNTING STRIP	102780-03		2	
-13			(ATTACHING PARTS) WASHER, FLAT.	MS15795-806	96906	12	
-14			: RIVET, BLIND.	AD43ABS	07707	6	
-15			. COVER, ID STRIP	102781-05		2	
-16			1 PANEL, MASTER	104117		1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
20-17			PANE, CONNECTOR MOUNTING	104119		2	
			(ATTACHING PARTS)				
-18			SCREW, MACHINE	MS51957-30	96906	8	
			WASHER, FLAT	MS15795-806	96906	8	
-19			WASHER, LOCK	MS35338-136	96906	8	
-20			NUT, PLAIN, HEX -----*	MS35649-264	96906	8	
-21			INDICATOR LIGHT, LIGHT EMITTING DIODE	507-4757-3331- 500	34533	96	
-22			CONNECTOR, LED INDICATOR	515-0074	08440	96	
-23			SPEED CLIP	515-0051	72619	96	
-24	W1		CABLE ASSEMBLY, CARD FILE	104111		4	
-25	P1		CONNECTOR, PLUG, ELECTRIC, 54 POSITION	203804-2	00779	1	
-26			CONNECTOR, BODY, RECEPTACLE	203814-1	00779	1	
-27			JACKSCREW, MALE	203880-2	00779	1	
-28			CONTACT, ELECTRICAL	203802-2	00779	54	
-29			BUSHING, RUBBER	AN3420-8	88044	1	
	P2		SAME AS P1			1	
-30			CABLE SPECIAL PURPOSE, 27 TWISTED PAIR, 26AWG	5235	92194	AR	
-31			CABLE TIES	SSTIM	06383	4	

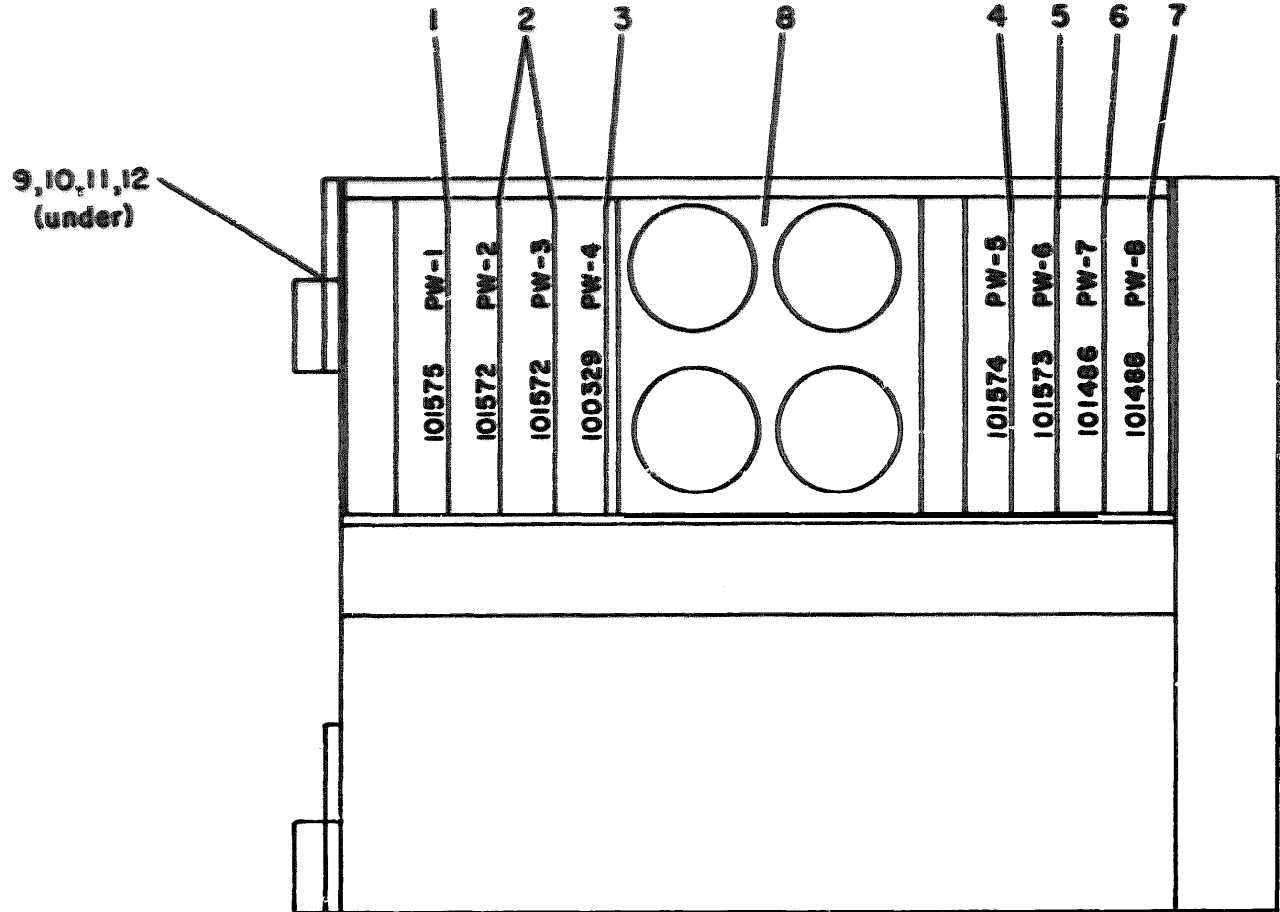


Figure 21. Communications Power Supply Assembly

GROUP ASSEMBLY PARTS LIST

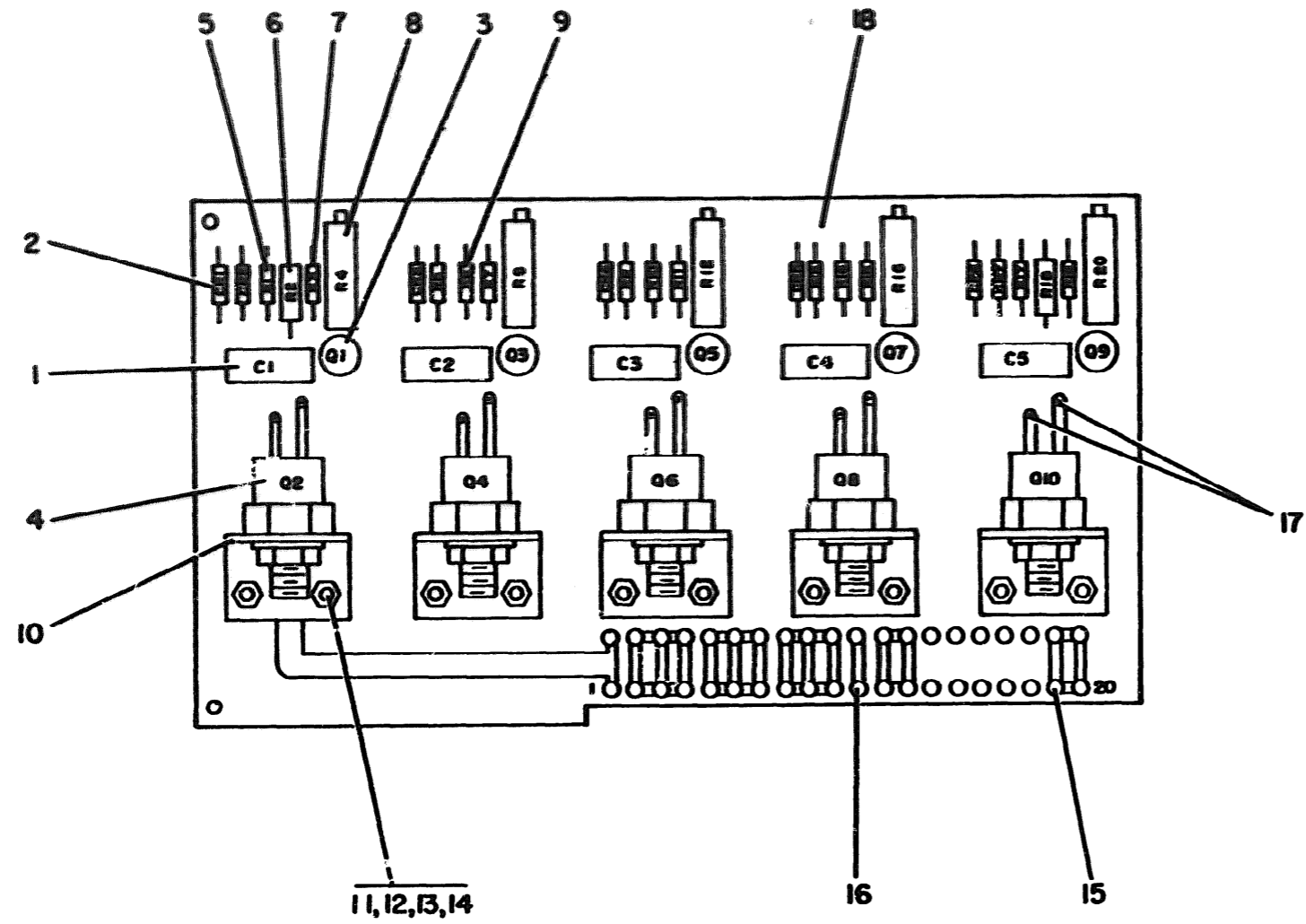
Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
21	A13		COMMUNICATIONS POWER SUPPLY ASSEMBLY (SEE FIGURE 1-14 FOR NHA)	101531		REF	
-1	A1		CIRCUIT CARD ASSEMBLY, OVER VOLTAGE PROTECTION (SEE FIGURE 22 FOR BREAKDOWN)	101575		1	
-2	A2		CIRCUIT CARD ASSEMBLY, REGULATOR (SEE FIGURE 23 FOR BREAKDOWN)	101572		2	
-3	A3		CIRCUIT CARD ASSEMBLY, + 10V RECTIFIER AND REGULATOR. (SEE FIGURE 24 FOR BREAKDOWN)	100329		1	
-4	A4		CIRCUIT CARD ASSEMBLY, -12V RECTIFIER AND REGULATOR, (SEE FIGURE 25 FOR BREAKDOWN)	101574		1	
-5	A5		CIRCUIT CARD ASSEMBLY, + 12V RECTIFIER AND REGULATOR, (SEE FIGURE 26 FOR BREAKDOWN)	101573		1	
-6	A6		CIRCUIT CARD ASSEMBLY, AMDA (SEE FIGURE 27 FOR BREAKDOWN)	101486		1	
-7	A7		CIRCUIT CARD ASSEMBLY, PFRA (SEE FIGURE 28 FOR BREAKDOWN)	101488		1	
-8	A8		CIRCUIT CARD ASSEMBLY, CHASSIS. (SEE FIGURE 29 FOR BREAKDOWN)	101570		1	
-9	W1		CABLE ASSEMBLY, POWER, (SEE FIGURE 31 FOR BREAKDOWN)	101596		1	
-10	W2		CABLE POWER EXPANDER (OPTION-NOT SHOWN)	101597		1	

GROUP ASSEMBLY PARTS LIST

TO 31S5-4-531-4

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
21-11	W3		CABLE, POWER EXPANDER (OPTION-NOT SHOWN)	101598		1	
-12			BUS EXTENDER (OPTION-NOT SHOWN)	101595		1	

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TO 31S5-4-531-

Figure 22. Circuit Card Assembly, Over Voltage Protection

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
22	A1	PW1	CIRCUIT CARD ASSEMBLY, OVER VOLTAGE PROTECTION (SEE FIGURE 21-1 FOR NHA)	101575		REF	
-1	C1		CAPACITOR, FIXED, PLASTIC 0.10MF, + 20%, 100V	215B1B104M	14752	1	
	C2		SAME AS C1			1	
	C3		SAME AS C1			1	
	C4		SAME AS C1			1	
	C5		SAME AS C1			1	
-2	CR1		. SEMICONDUCTOR DEVICE DIODE	1N5231B	04713	1	
	CR2		. SAME AS CR1			1	
	CR3		SAME AS CR1			1	
	CR4		. SAME AS C1			1	
	CR5		. SAME AS C1			1	
	CR6		. SAME AS C1			1	
	CR7		. SAME AS C1			1	
-3	Q1		. TRANSISTOR.	2N4916	13715	1	
-4	Q2		. TRANSISTOR.	MCR3935-1	04713	1	
	Q3		. SAME AS Q1			1	
	Q4		. . SAME AS Q1			1	
	Q5		. . SAME AS Q1			1	
	Q6		. SAME AS Q2			1	
	Q7		. SAME AS Q1			1	
	Q8		. SAME AS Q2			1	
	Q9		. SAME AS Q1			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
22	Q10		SAME AS Q2			1	
-5	R1		RESISTOR, FIXED, FILM, 300 OHMS, + 5%, 1/4W	RL07S301J	81349	1	
-6	R2		RESISTOR, FIXED, FILM, 240 OHMS, +5%, 1/2W	RL20S241J	81349	1	
-7	R3		RESISTOR, FIXED, FILM, 47 OHMS, +5%, 1/4W	RL07S470J	81349	1	
-8	R4		RESISTOR, VARIABLE CERAMIC, 100 OHMS, +10%	3006P1-101	80294	1	
	R5		SAME AS R1			1	
-9	R6		RESISTOR, FIXED, FILM 91 OHMS, +5%, 1/4W	RL07S910J	81349	1	
	R7		. . . SAME AS R3			1	
	R8		. . s SAME AS R4.			1	
	R9		. . . SAME AS R1			1	
	R10		. . . SAME AS R6.			1	
	R11		. . . SAME AS R3.			1	
	R12		. . . SAME AS R4.			1	
	R13		. . . SAME AS R1.			1	
	R14		. . . SAME AS R6.			1	
	R15		. . . SAME AS R3.			1	
	R16		. . . SAME AS R4.			1	
	R17		. . . SAME AS R1			1	
	R18		. . . SAME AS R2.			1	
	R19		. . . SAME AS R3.			1	
	R20		. . . SAME AS R3.1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
22 -10			HEAT SINK, ELECTRIC	102635		5	
			(ATTACHING PARTS)				
-11			SCREW, MACHINE	MS51957-14	96906	10	
-12			WASHER, FLAT	MS15795-804	96906	10	
-13			WASHER, LOCK	MS35338-135	96906	10	
-14			NUT, PLAIN, HEX ---*---	MS35649-244	96906	10	
-15			CONTACT, RECEPTACLE	85487-4LP	00779	15	
-16			KEY, POLARIZING, ELECTRIC	86181-2	00779	1	
-17			WIRE, ELECTRICAL, SOLID, 22AWG	298	92194	AR	
-18			PRINTED WIRING BOARD	102630		1	

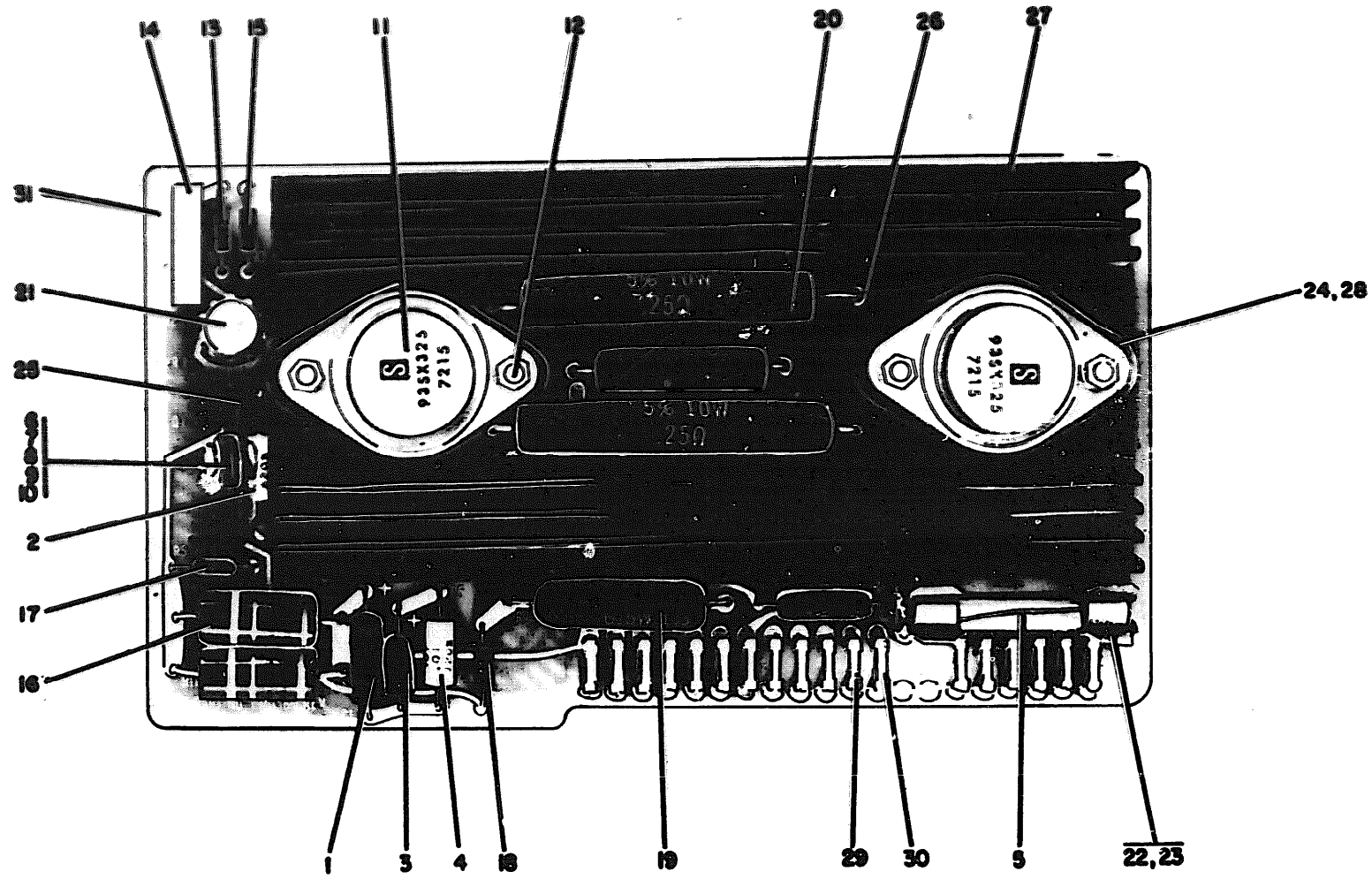


Figure 23. Circuit Card Assembly, Regulator

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
23	A2	PW263	CIRCUIT CARD ASSEMBLY, REGULATOR (SEE FIGURE 21-2 FOR NHA)	1Ø1572		REF	
-1	C1		CAPACITOR, FIXED, ELECTROLYTIC, 22MF, \pm 10% 20V	CSR13F226KM	81349	1	
-2	C2		CAPACITOR, FIXED, PLASTIC, 0.001MF, \pm 5%, 100V	1Ø7B1Ø2J	83125		
	C3		SAME AS C1			1	
-3	C4		CAPACITOR, FIXED, ELECTROLYTIC, 18MF, \pm 10%, 10V	CSR13D186KM	81349	1	
-4	C5		CAPACITOR, FIXED, PLASTIC, 0.01MF, \pm 10%, 100V	1Ø7B1Ø3K	83125	1	
-5	F1		FUSE, CARTRIDGE, 8 AMP.	312ØØ8	75915	1	
-6	Q1		TRANSISTOR.	2N492Ø	Ø4713	1	
			(ATTACHING PARTS)				
-7			SCREW, MACHINE.	MS51957-14	969Ø6	1	
-8			WASHER, FLAT.	MS15795-8Ø4	969Ø6	1	
-9			WASHER, LOCK.	MS35338-135	969Ø6	1	
-1Ø			NUT, PLAIN, HEX.	MS35649-244	969Ø6	1	
			-----*				
-11	Q2		TRANSISTOR.	93SX325	21845	1	
			(ATTACHING PARTS)				
-12			SCREW, MACHINE.	MS51957-18	969Ø6	4	
			WASHER, FLAT.	MS15795-8Ø4	969Ø6	4	
			WASHER, LOCK.	MS35338-135	969Ø6	4	
			NUT, PLAIN, HEX.	MS35649-244	969Ø6	4	
			-----*				
	Q3		SAME AS Q2.			1	
-13	R1		RESISTOR, FIXED, FILM, 1K, \pm 1%, 1/4W.	RN55D1ØØ1F	81349	1	
-14	R2		RESISTOR, VARIABLE, CERAMIC, 1K, \pm 10%,	3ØØ6P1-1Ø2	8Ø294	1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
23 -15	R3		RESISTOR, FIXED, FILM, 3.01K, ± 1%, 1/4W	RN55E3011F	81349	1	
-16	R4		RESISTOR, FIXED, FILM, 30 OHMS, ± 5%, 2W	RL42S100J	81349	1	
-17	R5		RESISTOR, FIXED, FILM 100 OHMS, ± 5%, 1/4W	RL07S101J	81349	1	
-18	R6		RESISTOR, FIXED, FILM, 200 OHMS, ± 5%, 1/4W	RL07S201J	81349	1	
-19	R7		RESISTOR, FIXED, WIRE WOUND, 0.1 OHMS, ± 1%, 6.5W	RW67UR100F	81349	1	
-20	R8		RESISTOR, FIXED, WIRE 0.25 OHMS, ± 5% . . . 10W	RW78UR250J	81349	1	
	R9		SAME AS R8			1	
	R10		SAME AS R7			1	
	R11		SAME AS R4			1	
-21	U1		INTEGRATED CIRCUIT, LINEAR, PRECISION VOLTAGE REGULATOR (VRI CRT DES) .	U5R7723393	07263	1	
-22	XF1A		CLIP, ELECTRICAL.	101001	75915	1	
-23			(ATTACHING PART) RIVET, BLIND. ----*	CD42BS	37707	2	
	XF1B		SAME AS XF1A.			1	
-24			INSULATOR, PLATE, MICA. .	DM101	08289	2	
-25			HEAT SINK, ELECTRIC . . .	PA2-1CB	98978	1	
-26			TUBING, TEFLON.	TFT250-16	92194	AR	
-27			HEAT SINK, ELECTRIC . . .	100233		1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
23 -28			INSULATING COMPOUND	120-2	05820	AR	
-29			CONTACT, RECEPTACLE	85487-4LP	00779	18	
-30			KEY, POLARIZING, ELECTRICAL	86181-2	00779	1	
-31			PRINTED WIRING BOARD	101566		1	

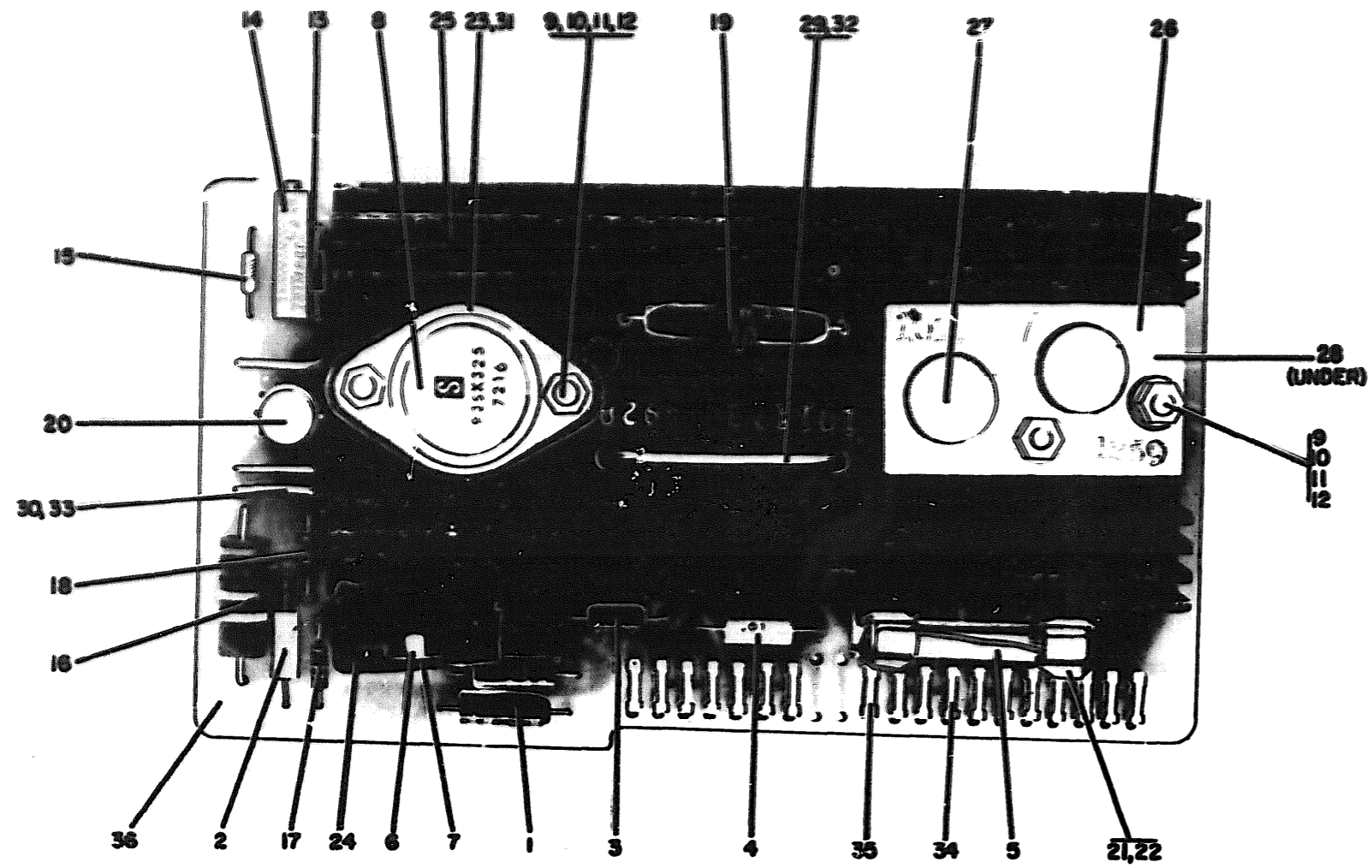


Figure 24. Circuit Card Assembly, +10v Rectifier and Regulator

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
24	AJ	PW4	CIRCUIT CARD ASSEMBLY, +10V RECTIFIER AND REGULATOR (SEE FIGURE 21-3 FOR NHA)	100329		REF	
-1	C1		CAPACITOR, FIXED, ELECTROLYTIC, 22MF, ± 10%, 20V	CSR13F226KM	81349	1	
-2	C2		CAPACITOR, FIXED, PLASTIC 0.001MF, ± 5% 100V	107B102J	83125	1	
	C3		SAME AS C1			1	
-3	C4		CAPACITOR, FIXED, ELECTROLYTIC, 18MF, ± 10%, 10V	CSR13D186KM	81349	1	
-4	C5		CAPACITOR, FIXED, PLASTIC 0.01MF, ± 10%, 100V	107B103K	83125	1	
-5	F1		FUSE, CARTRIDGE, 4 AMP	312004	75915	1	
-6	Q1		TRANSISTOR	MFSU52	04713	1	
-7			(ATTACHING PART) RIVET, BLIND ----*----	AD42ABS	07707	1	
-8	Q2		TRANSISTOR.	935X325	21845	1	
-9			(ATTACHING PARTS)				
-10			SCREW, MACHINE.	MS51957-31	96906	2	
-11			WASHER, FLAT.	MS15795-806	96906	2	
-12			WASHER, LOCK.	MS35338-136	96906	2	
-12			NUT, PLAIN, HEX. ----*----	MS35649-264	96906	2	
-13	R1		RESISTOR, FIXED, FILM, 1K, ± 1%, 1/4W	RN55D1001F	81349	1	
-14	R2		RESISTOR, VARIABLE, CERAMIC, 1K, ± 10%	3006P1-102	80294	1	
-15	R3		RESISTOR, FIXED, FILM, 3.01K, ± 1%, 1/4W	RN55D3011F	81349	1	

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GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
24 -16	R4		RESISTOR, FIXED FILM, 10 OHMS, ± 5%, 2W	RL42S100J	81349	1	
-17	R5		RESISTOR, FIXED, FILM, 100 OHMS, ± 5%, 1/4W	RL07S101J	81349	1	
-18	R6		RESISTOR, FIXED, FILM 200 OHMS, ± 5%, 1/4W	RL07S201J	81349	1	
-19	R7		RESISTOR, FIXED, WIRE WOUND, 0.10 OHMS, + 1%, 6.5W	RK67UR100F	81349	1	
-20	U1		INTEGRATED CIRCUIT, LINEAR, PRECISION VOLTAGE REGULATOR (VRI CKT DES)	U5R7723393	07263	1	
-21	XF1A		CLIP, ELECTRICAL	101001	75915	1	
-22			(ATTACHING PART) RIVET, BLIND	CD42BS	07707	2	
	XF1B		SAME AS XF1A			1	
-23			INSULATOR, PLATE MICA	DM101	08289	1	
-24			HEAT SINK, ELECTRIC	PA2-1CB	98978	1	
-25			HEAT SINK, ELECTRIC . . .	101178		1	
-26			RECTIFIER ASSEMBLY . . .	101259		1	
			(ATTACHING PARTS)				
			SCREW, MACHINE.	MS51957-31	96906	2	
			WASHER, FLAT	MS15795-806	96906	2	
			WASHER, LOCK.	MS35338-136	96906	3	
			NUT, PLAIN, HEX	MS35649-264	96906	3	
			-----*				
-27	CR1		. SEMICONDUCTOR DEVICE, DIODE	1N3492	80131	1	
	CR2		. SAME AS CR1			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
24 -28			BLOCK, MOUNTING	101179		1	
-29			TUBING, TEFLON	TFT250-16	92194	AR	
-30			TUBING, TEFLON	TFT250-22	92194	AR	
-31			INSULATING COMPOUND	120-2	05820	AR	
-32			WIRE, ELECTRIC SOLID, 16AWG	295	92194	AR	
-33			WIRE, ELECTRIC SOLID, 22AWG	298	92194	AR	
-34			CONTACT, RECEPTACLE	85487-4LP	00779	18	
-35			KEY, POLARIZING, ELECTRICAL	86181-2	00779	1	
-36			PRINTED WIRING BOARD	100328		1	

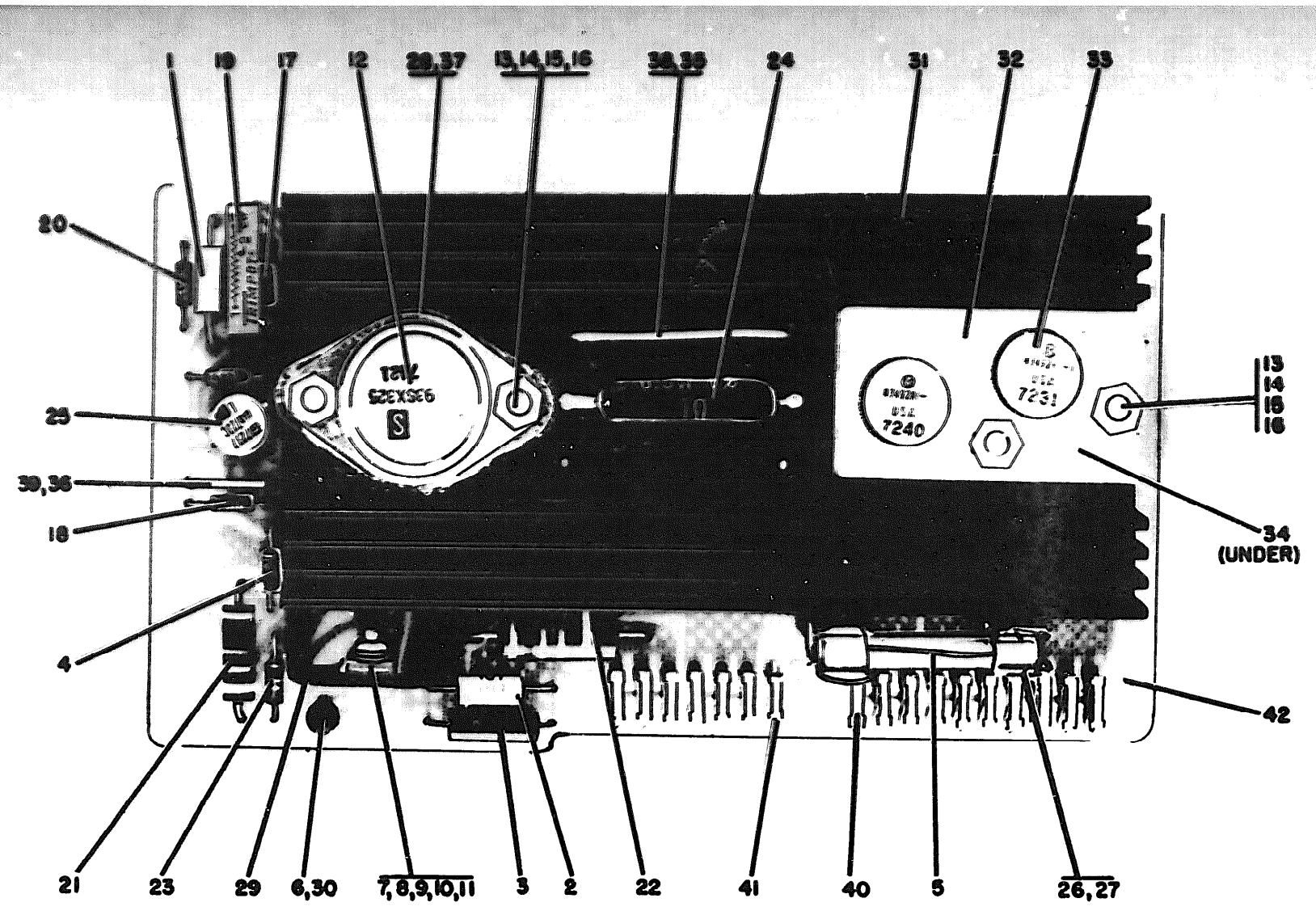


Figure 25. Circuit Card Assembly, -12V Rectifier and Regulator

GROUP ASSEMBLY PARTS LIST

TO 31S5-4-531-4

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
25	A4	PW5	CIRCUIT CARD ASSEMBLY, -12V RECTIFIER AND REGU- LATOR (SEE FIGURE 21-4 FOR NHA)	101574		REF	
-1	C1		CAPACITOR, FIXED, PLASTIC, .001MF, ± 5%, 100V	107B102J	83125	1	
-2	C2		CAPACITOR, FIXED, PLASTIC, 0.01MF, ± 10%, 100V	107B103K	83125	1	
-3	C3		CAPACITOR, FIXED ELEC- TROLYTIC, 22MF, ± 10%, 20V	CSR13F226KM	81349	1	
-4	CR3		SEMICONDUCTOR DEVICE, DIODE	1N5231B	04713	1	
-5	F1		FUSE, CARTRIDGE, 5 AMP	312005	75915	1	
-6	Q1		TRANSISTOR	2N4916	13715	1	
-7	Q2		* TRANSISTOR.	2N4920	04713	1	
-8			(ATTACHING PARTS)				
-9			. SCREW, MACHINE.	MS51957-14	96906	1	
-10			. WASHER, FLAT	MS15795-804	96906	1	
-11			. WASHER, LOCK	MS35338-135	96906	1	
-12			1 NUT, PLAIN, HEX	MS35649-244	96906	1	
			-----*				
-12	Q3		. TRANSISTOR.	93SX325	21845	1	
-13			(ATTACHING PART)				
-14			. SCREW, MACHINE.	MS51957-31	96906	2	
-15			. WASHER, FLAT.	MS15795-806	96906	2	
-16			: WASHER, LOCK.	MS35338-136	96906	2	
-17	R1		. RESISTOR, FIXED, FILM, 3.01K, ± 1%, 1/4W.	RN55D3011F	81349	1	
-18	R2		RESISTOR, FIXED, FILM, 6.81K, ± 1%, 1/4W	RN55D6811F	81349	1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
25 -19	R3		RESISTOR, VARIABLE, CERAMIC, 1K, $\pm 10\%$	3006 P1-102	80294	1	
-20	R4		RESISTOR, FIXED, FILM 2.74K, $\pm 1\%$, 1/4W	RN55D2741F	81349	1	
	R5		SAME AS R1			1	
-21	R6		RESISTOR, FIXED, FILM, 300 OHMS, $\pm 5\%$, 1W	RL32S301J	81349	1	
-22	R7		RESISTOR, FIXED, FILM 300 OHMS, $\pm 5\%$, 2W	RL42S301J	81349	1	
-23	R8		RESISTOR, FIXED, FILM, 200 OHMS, $\pm 5\%$, 1/4W	RL07S201J	81349	1	
-24	R9		RESISTOR, WIRE, WOUND, 0.10 OHMS, $\pm 1\%$, 6.5W	RW67UR100F	81349	1	
-25	U1		INTEGRATED CIRCUIT, LINEAR, PRECISION VOLTAGE REGULATOR (VR1 CKT DES)	U5R7723393	07263	1	
-26	XF1A		CLIP, ELECTRICAL (ATTACHING PART)	101001	75915	1	
-27			RIVET, BLIND ----*----	CD42BS	07707	2	
	XF1B		SAME AS XF1A			1	
-28			INSULATOR, PLATE, MICA	DM101	08289	1	
-29			HEAT SINK, ELECTRIC	PA2-1CB	98978	1	
-30			INSULATOR, ELECTRIC . . .	101-000NY	08289	1	
-31			HEAT SINK, ELECTRIC . . .	101178		1	
-32			RECTIFIER ASSEMBLY	101262		1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
25			(ATTACHING PARTS)				
			SCREW, MACHINE	MS51957-31	96906	2	
			WASHER, FLAT	MS15795-806	96906	2	
			WASHER, LOCK	MS35338-136	96906	3	
			NUT, PLAIN, HEX	MS35649-264	96906	3	
-33	CR1		SEMICONDUCTOR DEVICE, DIODE	1N3492R	80131	1	
	CR2		. . SAME AS CR1			1	
-34			. . B L O C K	101179		1	
-35			. TUBING, TEFLON.	TFT250-16	92194	AR	
-36			. TUBING, TEFLON.	TFT250-22	92194	AR	
-37			. INSULATING COMPOUND . . .	120-2	05820	AR	
-38			. WIRE, ELECTRIC, SOLID, 16 AWG	295	92194	AR	
-39			. WIRE, ELECTRIC, SOLID, 22 AWG.	298	92194	AR	
-40			. CONTACT, RECEPTACLE	85487-4LP	00779	17	
-41			. KEY, POLARIZING, ELECTRICAL.	86181-2	00779	1	
-42			. PRINTED WIRING BOARD. . .	100245		1	

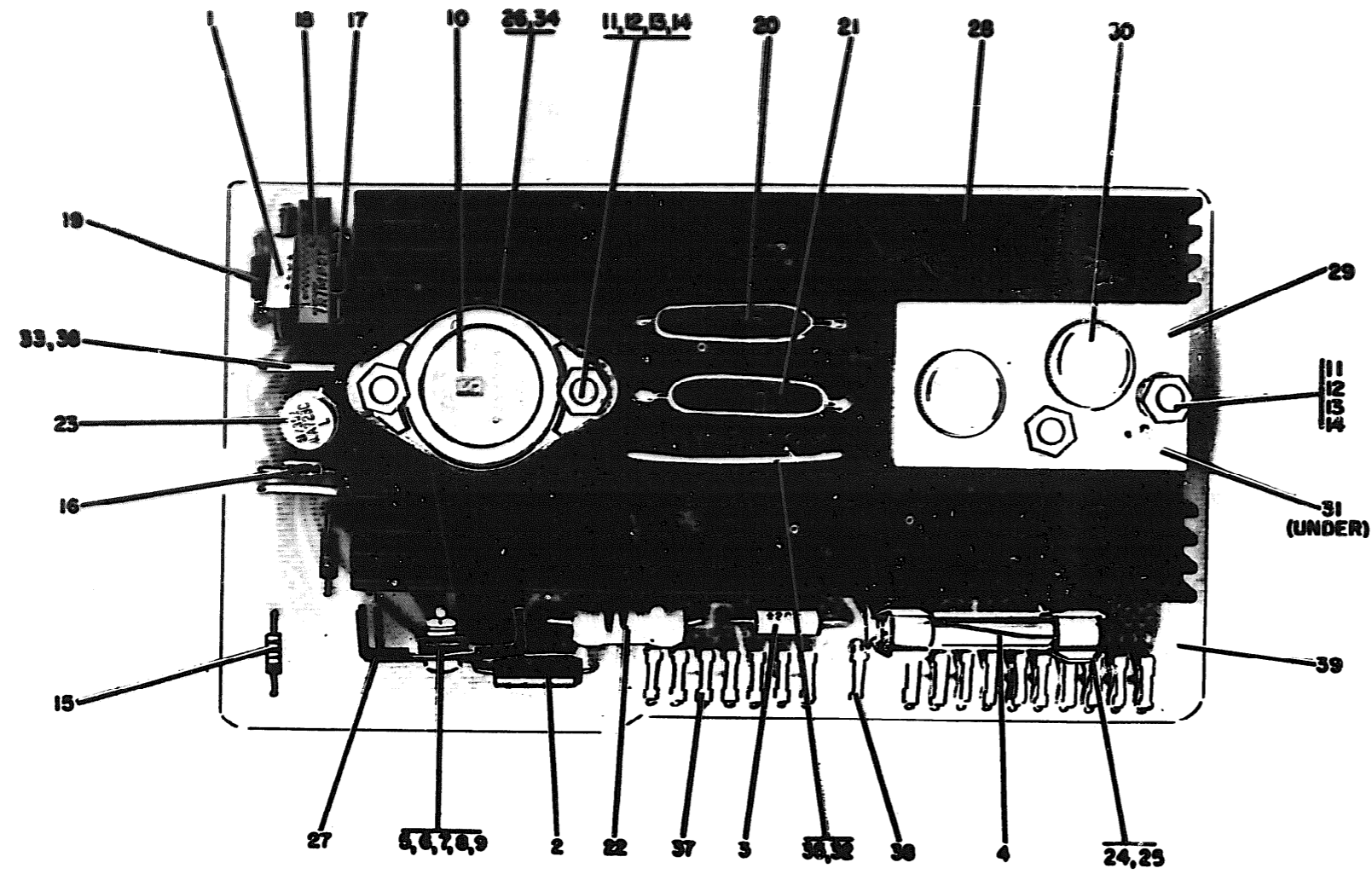


Figure 26. Circuit Card Assembly, +12V Rectifier and Regulator

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usab on Cod
26	A5	PW6	CIRCUIT CARD ASSEMBLY, +12V RECTIFIER AND REGULATOR (SEE FIGURE 21-5 FOR NHA)	101575			REF
-1	C1		CAPACITOR, FIXED, PLASTIC, 0.001MF, ± 5%, 100V	107B102J	83125	1	
-2	C2		CAPACITOR, FIXED, ELECTROLYTIC, 22MF, ± 10%, 20V.	CSR13F226KM	81349	1	
-3	C3		CAPACITOR, FIXED, PLASTIC, 0.01MF, ± 10%, 100W	107B103K	83125	1	
-4	F1		FUSE, CARTRIDGE, 5 AMP. .	312005	75915	1	
-5	Q1		TRANSISTOR.	2N4920	04713	1	
-6			(ATTACHING PARTS) SCREW MACHINE	MS51957-14	96906	1	
-7			WASHER, FLAT	MS15795-804	96906	1	
-8			WASHER, LOCK	MS35338-135	96906	1	
-9			NUT, PLAIN, HEX -----*	MS35649-244	96906	1	
-10	Q2		TRANSISTOR.	93SX325	21845	1	
-11			(ATTACHING PARTS) SCREW, MACHINE.	MS51957-31	96906	2	
-12			WASHER, FLAT.	MS15795-806	96906	2	
-13			WASHER, LOCK.	MS35338-136	96906	2	
-14			NUT, PLAIN, HEX -----*	MS35649-264	96906	2	
-15	R1		RESISTOR, FIXED, FILM, 4.7K, ± 5%, 1/4W	RL07S472J	81349	1	
-16	R2		RESISTOR, FIXED, FILM, 200 OHMS, ± 5%, 1/4W . . .	RL07S201J	81349	1	
-17	R3		RESISTOR, FIXED, FILM, 2.74K, ± 1%, 1/4W.	RN55D2741F	81349	1	
-18	R4		RESISTOR, VARIABLE, CERAMIC, 1K, ± 10%	3006P1-102	80294	1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
26 -19	R5		RESISTOR, FIXED, FILM, 3.92K, ± 12, 1/4W	RN55D3921F	81349	1	
	R6		SAME AS R2			1	
-20	R7		RESISTOR, FIXED, WIRE WOUND, 0.1 OHMS, ± 1%, 6.5W	RW67UR100F	81349	1	
-21	R8		RESISTOR, FIXED, WIRE WOUND, 0.2 OHMS, ± 1%, 6.5W	T6-67-0-2 OHM	01686	1	
-22	R9		RESISTOR, FIXED, FILM 300 OHMS, ± 5%, 2W	RL42S301J	81349	1	
-23	U1		INTEGRATED CIRCUIT, LINEAR, PRECISION VOLTAGE REGULATOR (VR1 CKT DES)	U5R7723393	07263	1	
-24	XF1A		CLIP, ELECTRICAL	101001	75915	1	
-25			(ATTACHING PART) RIVET, BLIND -----*	CD42BS	07707	2	
	XF1B		1 SAW AS XF1A			1	
-26			. INSULATOR, PLATE, MICA . .	DM101	08289	1	
-27			HEAT SINK, ELECTRIC . . .	PA2-1CB	98978	1	
-28			. HEAT SINK, ELECTRIC. . .	101178		1	
-29			. RECTIFIER ASSEMBLY . . .	101259		1	
			(ATTACHING PARTS)				
			1 SCREW, MACHINE	MS51957-31	96906	2	
			. WASHER, FLAT	MS15795-806	96906	2	
			. WASHER, LOCK	MS35338-136	96906	3	
			. NUT, PLAIN, HEX -----*	MS35649-264	96906	3	
-30	CR1		. . SEMICONDUCTOR DEVICE, DIODE	1N3492	80131	1	
	CR2		. . SAME AS CR1			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
26 -31			BLOCK, MOUNTING	101179		1	
-32			TUBING, TEFLON	TFT250-16	92194	AR	
-33			TUBING, TELFON	TFT250-22	92194	AR	
-34			INSULATING COMPOUND	120-2	05820	AR	
-35			WIRE, ELECTRIC SOLID, 16 AWG	295	92194	AR	
-36			WIRE, ELECTRIC, SOLID, 22 AWG	298	92194	AR	
-37			CONTACT, RECEPTACLE	85487-4LP	00779	18	
-38			KEY, POLARIZING, ELECTRICAL	86181-2	00779	1	
-39			PRINTED WIRING BOARD	100231		1	

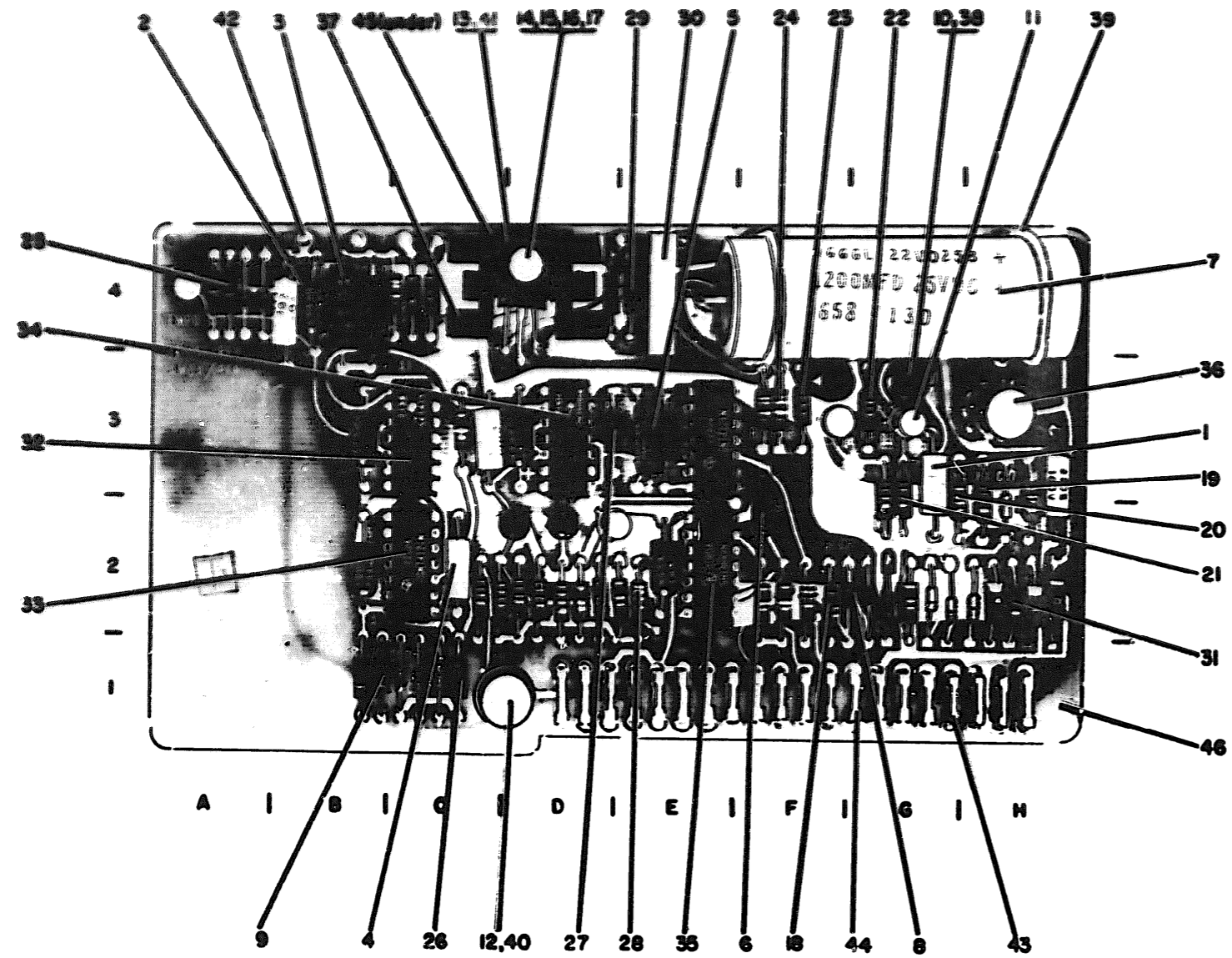


Figure 27. Circuit Card Assembly, AMDA

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
27	A6	PW7	CIRCUIT CARD ASSEMBLY, AMDA (SEE FIGURE 21-6 FOR NHA)	101486		REF	
-1	C1	3C	CAPACITOR, FIXED, PLASTIC 0.01MF, ± 10%, 100V	107B103K	83125	1	
	C2	4B	SAME AS C1			1	
-2	C3	4B	CAPACITOR, FIXED, ELECTROLYTIC, 18MF, ± 10%, 10V	CSR13D186KM	81349	1	
-3	C4	4B	CAPACITOR, FIXED, ELECTROLYTIC, 22MF, ± 10%, 20V	CSR13F226KM	81349	1	
	C5	4B	SAME AS C4			1	
-4	C6	2C	CAPACITOR, FIXED, PLASTIC, 0.001MF, ± 5%, 100V	107B102J	83125	1	
	C7	3C	SAME AS C1			1	
-5	C8	3E	CAPACITOR, FIXED, PLASTIC, 1 0.10MF, ± 20%, 100V	215B1B104M	14752	1	
-6	C9	2F	CAPACITOR, FIXED, MICA, 100PF, ± 5%, 500V	DM15-101J	72136	1	
-7	C10	4H	CAPACITOR, FIXED, ELECTROLYTIC, 1200MF, 25V . .	39D128C025HJ4	56289	1	
	C11	3H	SAME AS C6			1	
	C12	3E	SAME AS C3			1	
	C13	2E	SAME AS C3			1	
	C14	3D	SAME AS C3			1	
	C15	3B	SAME AS C3			1	
	C16	2B	SAME AS C3.			1	
-8	CR1	2G	SEMICONDUCTOR DEVICE, DIODE	1N4608	03508	1	
	CR2	2G	SAME AS CR1			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code	
27	CR3	2G	SAME AS CR1			1		
	CR4	2G	SAME AS CR1			1		
	CR5	2G	SAME AS CR1			1		
	CR6	2G	SAME AS CR1			1		
	CR7	3H	SAME AS CR1			1		
	-9	CR8	1B	SEMICONDUCTOR DEVICE, DIODE	1N4002	01295	1	
		CR9	4A	SAME AS CR1			1	
		CR10	4A	SAME AS CR1			1	
		CR11	1C	SAME AS CR1			1	
		CR12	1C	. SAME AS CR1			1	
		CR13	1C	. SAME AS CR1			1	
		CR14	2H	SAME AS CR8			1	
		CR15	2H	SAME AS CR8			1	
		CR16	2H	SAME AS CR8			1	
	-10	Q1	3G	. TRANSISTOR	2N4916	13715	1	
		Q2	3F	SAME AS Q1			1	
-11	Q3	3G	t TRANSISTOR	2N2369A	04713	1		
	Q4	3F	SAME AS Q3			1		
	Q5	4A	t SAME AS Q3			1		
-12	Q6	1C	. TRANSISTOR	2N3725	80131	1		
	Q7	2D	SAME AS Q1			1		
	Q8	2D	SAME AS Q1			1		
	Q9	2D	. SAME AS Q3			1		

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
27 -13	Q10	4D	TRANSISTOR	2N4920	04713	1	
			(ATTACHING PARTS)				
-14			SCREW, MACHINE	MS51957-17	96906	1	
-15			WASHER, FLAT	MS15795-804	96906	2	
-16			WASHER, LOCK	MS35338-135	96906	1	
-17			NUT, PLAIN, HEX	MS35649-244	96906	1	
			---*---				
-18	R1	2F	RESISTOR, FIXED, FILM, 1K, ± 5%, 1/4W	RL07S102J	81349	1	
	R2	2G	SAME AS R1			1	
-19	R3	3H	RESISTOR, FIXED, FILM, 6.8K, ± 5%, 1/4W	RL07S682J	81349	1	
-20	R4	3G	RESISTOR, FIXED, FILM, 47K, ± 5%, 1/4W	RL07S473J	81349	1	
-21	R5	3G	RESISTOR, FIXED, FILM, 2.2K, ± 5%, 1/4W	RL07S222J	81349	1	
-22	R6	3G	RESISTOR, FIXED, FILM, 4.7K, ± 5%, 1/4W	RL07S472J	81349	1	
	R7	3G	SAMEASPS.			1	
-23	R8	3F	RESISTOR, FIXED, FILM, 3.3K, ± 5%, 1/4W	RL07S332J	81349	1	
-24	R9	3F	RESISTOR, FIXED, FILM, 33K, ± 5%, 1/4W	RL07S333J	81349	1	
	R10	3F	SAME AS R9			1	
	R11	1B	SAME AS R1			1	
-25	R12	4A	RESISTOR, FIXED, FILM, 10K, ± 5%, 1/4W	RL07S103J	81349	1	
	R13	4A	SAME AS R12			1	
	R14	4C	SAME AS R9			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
27-	R15	3C	SAME AS R12			1	
-26	R16	1C	RESISTOR, FIXED, FILM, 330 OHMS, \pm 5%, 1/4W	RL07S331J	81349	1	
	R17	2C	SAME AS R5			1	
	R18	2C	SAME AS R6			1	
	R19	2D	SAME AS R5			1	
	R20	2D	SAME AS R5			1	
	R21	2D	SAME AS R3			1	
	R22	2D	SAME AS R12			1	
	R23	2D	. SAME AS R12			1	
	R24	2E	. SAME AS R12			1	
	R25	2F	. SAME AS R6			1	
-27	R26	3D	RESISTOR, FIXED, FILM, 1 22K, \pm 1/4W	RL07S223J	81349	1	
	R27	2F	. SAME AS R12			1	
	R28	2F	. SAME AS R12			1	
-28	R29	2E	RESISTOR, FIXED, FILM, 1 470 OHMS, \pm 5%, 1/4W . . .	RL07S471J	81349	1	
	R30	4C	. SAME AS R1			1	
-29	R31	4E	. RESISTOR, FIXED, FILM, 562 OHMS, \pm 1%, 1/4W . . .	RN55D5620F	81349	1	
-30	R32	4E	RESISTOR, VARIABLE, CERAMIC, 1K, \pm 10%	3006P1-102	80294	1	
	R33	4D	. SAME AS R31			1	
	R34	3H	. SAME AS R16			1	

GROUP ASSEMBLY PARTS LIST

TO 31S5-4-531-4

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
27	R35	4C	SAME AS RT				
-31	R36	2H	RESISTOR, FIXED, FILM, 10 OHMS, +5%, 1/4W	RL07S100J	81349	1	
-32	U1	3C	INTEGRATED CIRCUIT, DIGITAL, NAND SCHMITT TRIGGER (A1 CKT DES)	SN7413N	01295	1	
-33	U2	2C	INTEGRATED CIRCUIT, DIGITAL, ONE-SHOT MONO-STABLE MULTIVIBRATOR (A2 CKT DES)	SN74121N	01295	1	
-34	U3	3D	INTEGRATED CIRCUIT, HIGH SPEED DIGITAL, HEX INVERTER (OPEN COLLECTOR) (A3 CKT DES)	SN74H05N	01295	1	
	U4	3E	AS U2 (A4 CKT DES)			1	
-35	U5	2E	INTEGRATED CIRCUIT, DIGITAL, EXPANDABLE DUAL 4-INPUT NAND POWER GATE (A5 CKT DES)	SN15844N	01295	1	
-36	U6	3H	INTEGRATED CIRCUIT, LINEAR, PRECISION VOLTAGE, REGULATOR (A6 CKT DES)	U5R7723393	07263	1	
-37			HEAT SINK, ELECTRIC	PA2-1CB	98978	1	
-38			INSULATOR, ELECTRICAL	101-000NY	08289	8	
-39			WIRE, ELECTRIC, STRANDED, WHITE, 20 AWG	3252-1	92194	AR	
-40			MOUNTING PAD, ELECTRICAL	404-200NY	08289	1	
-41			INSULATOR, WASHER	5624-12-5	86928	1	
-42			CONTACT, ELECTRICAL	61067-1	00779	1	
-43			CONTACT, RECEPTACLE	85487-4LP	00779	20	
-44			KEY, POLARIZING, ELECTRICAL	86181-?	00779	1	

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GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
27 -45			SPACER SLEEVE	8746	83330	1	
-46			PRINTED WIRING BOARD	101485		1	

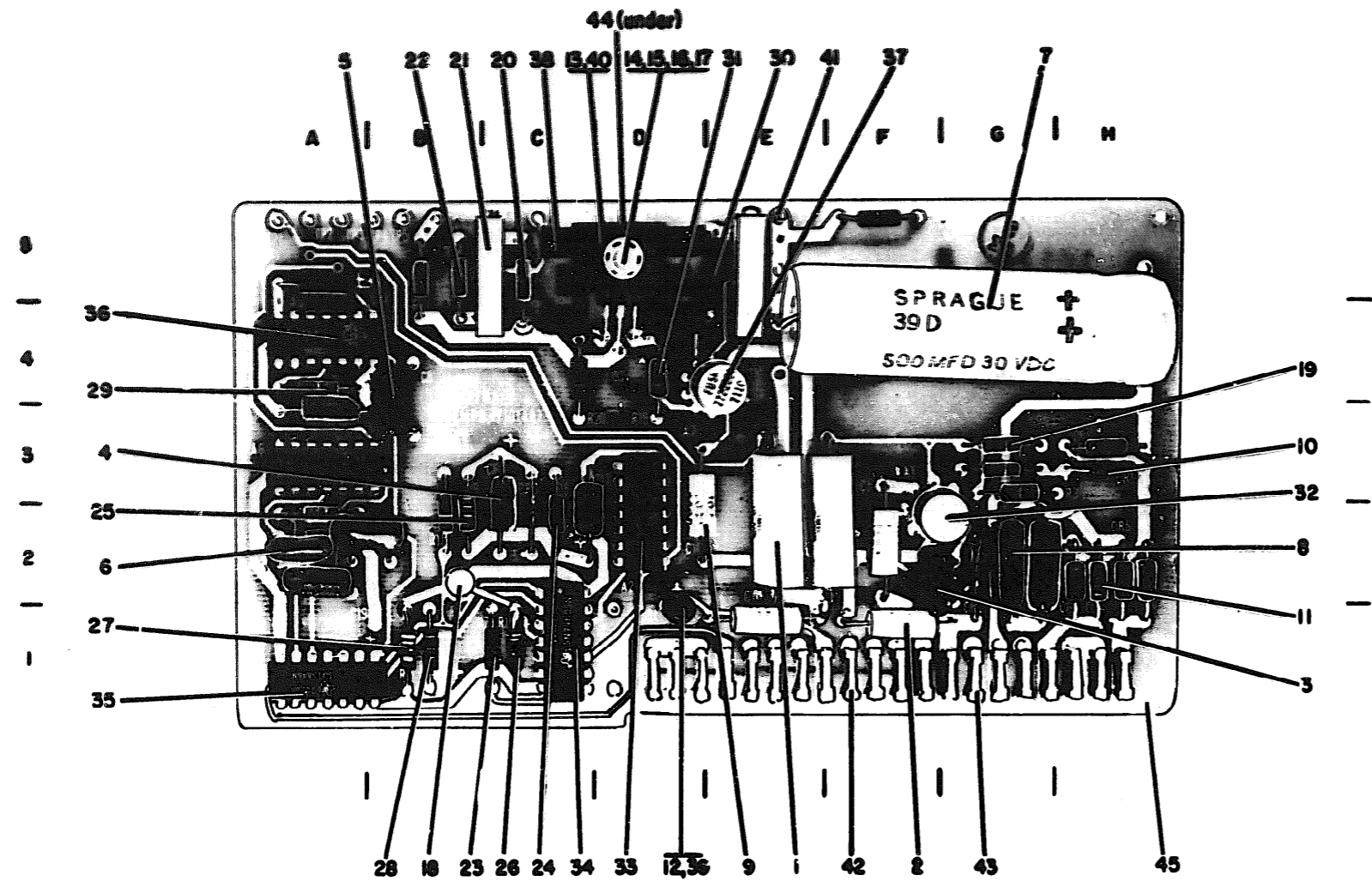


Figure 28. Circuit Card Assembly, PFRA

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
28	A7	PW8	CIRCUIT CARD ASSEMBLY, PFRA (SEE FIGURE 21-7 FOR NHA)	101488		REF	
-1	C1	2E	CAPACITOR, FIXED PLASTIC, 0.1MF, +10%, 50V	PA2-104K	27556	1	
	C2	2F	SAME AS C1			1	
-2	C3	1F	CAPACITOR FIXED, PLASTIC, 0.01MF, +10%, 100V	107B103K	83125	1	
-3	C4	2G	CAPACITOR, FIXED, MICA, 3PF, +5%, 500V	DM15-030J	84171	1	
	C5	2F	SAME AS C3			1	
-4	C6	2C	CAPACITOR, FIXED, ELECTROLYTIC, 18MF, +10%, 10V	CSR13D186KM	81349	1	
	C7	1E	SAME AS C3			1	
-5	C8	4B	CAPACITOR, FIXED PLASTIC, 0.010MF, +20%, 100V	215B1B104M	14752	1	
	C9	2A	SAME AS C8			1	
-6	C10	2A	CAPACITOR, FIXED, MICA, 330PF, +5%, 500V	CD15FD331J03	14655	1	
	C11	2A	SAME AS C10			1	
-7	C12	4G	CAPACITOR, FIXED, ELECTROLYTIC, 500MF, +10%, 30V	39D507G030FL4	56289	1	
-8	C13	2G	CAPACITOR, FIXED, ELECTROLYTIC, 22MF, +10% 20V	CSR13F226KM	81349	1	
	C15	2G	SAME AS C13			1	
-9	C16	2D	CAPACITOR, FIXED, PLASTIC 0.001MF, +%, 100V	107B102J	83125	1	
	C17	2C	SAME AS C6			1	

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GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
28	C20	3A	SAME AS C6			1	
	C21	5A	SAME AS C6			1	
-10	CR1	3H	SEMICONDUCTOR DEVICE, DIODE	1N4608	03508	1	
	CR2	2G	. SAME AS CR1			1	
	CR3	2C	. SAME AS CR1			1	
-11	CR4	2H	SEMICONDUCTOR DEVICE, DIODE	1N4002	01295	1	
	CR5	2H	SAME AS CR4			1	
	CR6	2H	. SAME AS CR4			1	
	CR7	2H	. SAME AS CR4			1	
	CR8	3H	. SAME AS CR4			1	
-12	Q1	1D	. TRANSISTOR	2N4916	13715	1	
-13	Q2	5D	. TRANSISTOR	2N4920	04713	1	
			(ATTACHING PARTS)				
-14			. SCREW, MACHINE	MS51957-17	96906	1	
-15			. WASHER, FLAT	MS15795-804	96906	2	
-16			. WASHER, LOCK	MS35338-135	96906	1	
-17			. NUT, PLAIN, HEX -----*	MS35649-244	96906	1	
-18	Q3	2B	. TRANSISTOR.	2N2369A	04713	1	
-19	R1	3G	RESISTOR, FIXED, ELEC- TROLYTIC, 100K, +5%, 1/4W	RL07S104J	81349	1	
	R2	3G	. SAME AS R1			1	
	R3	3G	. SAME AS R1			1	
-20	R4	5C	RESISTOR, FIXED, FILM, 1 475 OHMS, +1%, 1/4W	RN55D4750F	81349	1	

GROUP ASSEMBLY PARTS LIST

TO 31S5-4-531-4

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
28 -21	R5	5C	RESISTOR, VARIABLE, CERAMIC, 1K, +10%	3086P1-102	90294	1	
-22	R6	5B	RESISTOR, FIXED, FILM 1K, +1%, 1/4W	RN55D1001F	81349	1	
-23	R7	1C	RESISTOR, FIXED, FILM, 3.92K, +1%, 1/4W	RN55D3921F	81349	1	
-24	R8	2C	RESISTOR, FIXED, FILM, 2.22K, +5%, 1/4W	RL07S222J	81349	1	
-25	R9	2B	RESISTOR, FIXED, FILM, 33K, +5%, 1/4W	RL07S333J	81349	1	
-26	R10	1C	RESISTOR, FIXED, FILM, 4.7K, +5%, 1/4W	RL07S472J	81349	1	
-27	R11	1B	RESISTOR, FIXED, FILM, 470 OHMS, +5%, 1/4W	RL07S471J	81349	1	
-28	R12	1B	RESISTOR, FIXED, FILM, 1K, +5%, 1/4W	RL07S102J	81349	1	
-29	R13	4A	RESISTOR, FIXED, FILM, 10K, +5%, 1/4W	RL07S103J	81349	1	
	R14	2A	. SAME AS R9			1	
	R15	2B	. SAME AS R13			1	
	R16	2A	. SAME AS R11			1	
-30	R17	5E	RESISTOR, FIXED, FILM, 1562 OHMS, 21%, 1/4W . . .	RN55D5620F	81349	1	
	R18	5E	. SAME AS R5			1	
-31	R19	4D	RESISTOR, FIXED, FILM, 330 OHMS, +5%, 1/4W . . .	RL07S331J	81349	1	
	R20	4C	. SAME AS R12			1	
	R21	5B	. SAME AS R12			1	

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GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
28	R22	5F	SAME AS R17			1	
-32	U1	2C	INTEGRATED CIRCUIT, LINEAR, HIGH PERFORMANCE, OPERATIONAL AMPLIFIER (A1 CXT DES)	LM301A	27014	1	
-33	U2	2D	INTEGRATED CIRCUIT DIGITAL, RETRIGGERABLE MONOSTABLE, MULTIVIBRATOR WITH CLEAR (A2 CKT DES)	SN74122N	33809	1	
-34	U3	1C	INTEGRATED CIRCUIT, HIGH SPEED DIGITAL, HEX INVERTER (OPEN COLLECTOR) (A3 CKT DES)	SN74H05N	01295	1	
-35	U4	1A	INTEGRATED CIRCUIT, DIGITAL, QUAD 2-INPUT NAND GATE, 6K OHM PULL-UP RESISTORS (A4 CKT DES)	SN15846N	01295	1	
-36	U5	4A	INTEGRATED CIRCUIT, DIGITAL, ONE-SHOT MONOSTABLE MUTIVIBRATOR (A5 CKT DES)	SN74121N	01295	1	
	U6	3A	SAME AS U5 (A6 CKT DES)			1	
-37	U7	4E	INTEGRATED CIRCUIT, LINEAR, PRECISION VOLTAGE REGULATOR (A7 CKT DES)	U5R7723393	07263	1	
-38			HEAT SINK, ELECTRIC. . .	PA2-1CB	98978	1	
-39			INSULATOR, ELECTRICAL. . .	101-000NY	08289	2	
-40			INSULATING COMPOUND. . .	120-2	05820	AR	
-41			CONTACT, ELECTRICAL. . .	61067-1	00779	1	
-42			CONTACT, RECEPTACLE. . .	85487-4LP	00779	20	
-43			KEY, POLARIZING, ELECTRICAL.	86181-2	00779	1	
-44			SPACER, SLEEVE 1	8700	83330	1	
-45			PRINTED WIRING BOARD . . .	101487		1	

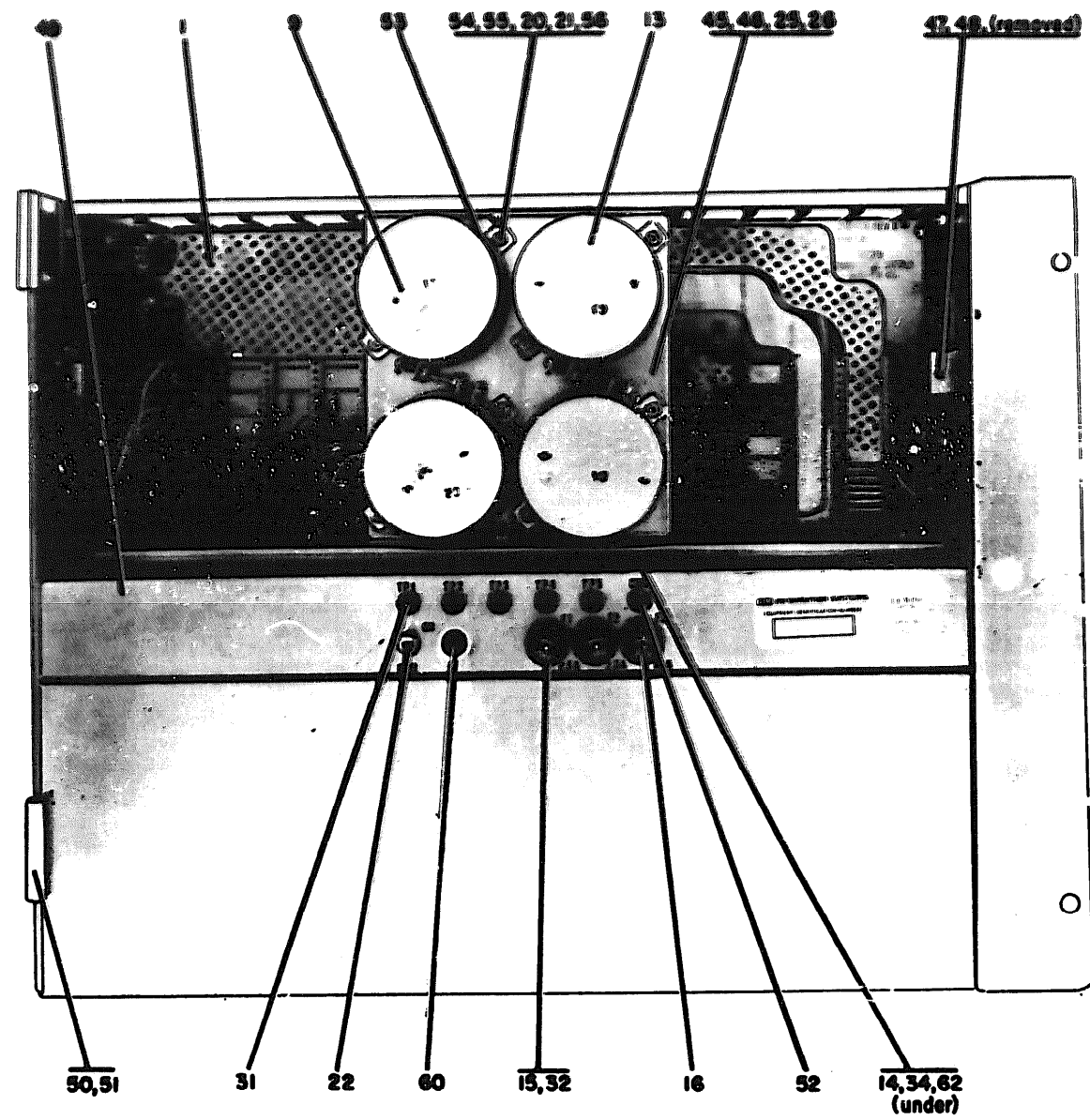


Figure 29. Circuit Card Assembly, Chassis (Sheet 1 of 4)

GROUP ASSEMBLY PARTS LIST

TO 31S5-4-531-4

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
29	A8		CIRCUIT, CARD ASSEMBLY, CHASSIS (SEE FIGURE 21-8 FOR NHA)	101570		REF	
-1	A1		CIRCUIT CARD ASSEMBLY, CONNECTOR (SEE FIGURE 30 FOR BREAKDOWN)	101571		1	
			(ATTACHING PARTS)				
-2			. SCREW, MACHINE	MS51957-15		8	
-3			* WASHER, FLAT	MS15795-804		8	
-4			. WASHER, LOCK	MS35338-135		8	
-5			. NUT, PLAIN, HEX	MS35649-244		8	
			---*---				
-6	B1		* FAN, VENTILATING	4500C	23936	1	
			(ATTACHING PARTS)				
-7			SCREW, MACHINE	MS51957-38	96906	8	
-8			NUT, CLIP	C8095-632-4	78553	8	
			---*---				
	B2		. SAME AS B1			1	
-9	C1		CAPACITOR, FIXED, ELECTROLYTIC, 65MF, +10%, 15V	91M15CC653	99392	1	
			(ATTACHING PARTS)				
-10			. SCREW, MACHINE	MS35222-63	96906	4	
-11			. WASHER, FLAT	MS15795-842	96906	4	
-12			. WASHER, LOCK	MS35338-138	96906	4	
			---*---				
	C2		. SAME AS C1			1	
-13	C3		CAPACITOR, FIXED ELECTROLYTIC, 25MF, +10%, 35V	91M35CC253	99392	1	
			(ATTACHING PARTS)				
			. SCREW, MACHINE	MS35222-63	96906	4	
			. WASHER, FLAT	MS15795-842	96906	4	
			. WASHER, LOCK	MS35338-138	96906	4	
			---*---				

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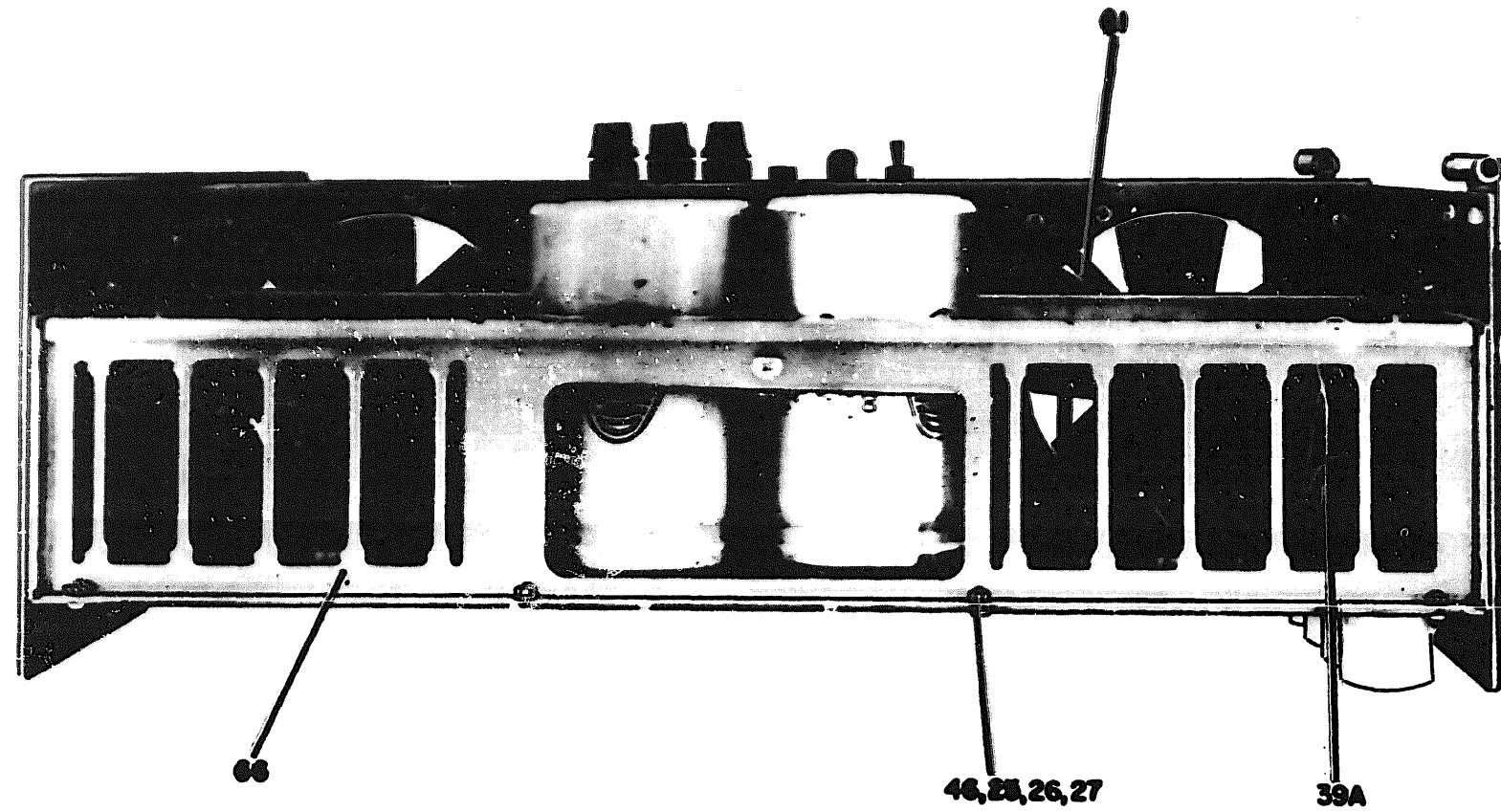


Figure 29. Circuit Card Assembly, Chassis (Sheet 2 of 4)

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
29	C4		SAME AS C3			1	
-14	E1		TERMINAL, LUG	KT48	75382	1	
-15	F1		FUSE, CARTRIDGE, 2.5 AMP	31302-5	75915	1	
	F2		SAME AS F1			1	
-16	F3		FUSE, CARTRIDGE, 0.1 AMP	313-100	75915	1	
-17	J6		CONNECTOR, BODY, RECEPTACLE	1-480423-0	00779	1	
-18	K1		RELAY, 25 AMP, 12 VDC	250001	18188	1	
			(ATTACHING PARTS)				
-19			SCREW, MACHINE	MS51957-27	96906	1	
-20			WASHER, FLAT	MS15795-806	96906	1	
-21			WASHER, LOCK	MS35338-136	96906	1	
			---*---				
-22	S1		SWITCH, TOGGLE, SPDT	7101SYZ	09353	1	
-23	T1		TRANSFORMER, POWER, 10V	840003		1	
			(ATTACHING PARTS)				
-24			SCREW, MACHINE	MS51957-42	96906	4	
-25			WASHER, FLAT	MS15795-841	96906	4	
-26			WASHER, LOCK	MS35338-137	96906	4	
-27			NUT, PLAIN, HEX	MS35649-284	96906	4	
			---*---				
-28	T2		TRANSFORMER, POWER, 20V	840004		1	
			(ATTACHING PARTS)				
			SCREW, MACHINE	MS51957-42	96906	4	
			WASHER, FLAT	MS15795-841	96906	4	
			WASHER, LOCK	MS35338-137	96906	4	
			NUT, PLAIN, HEX	MS35649-284	96906	4	
			---*---				
-29	T3		TRANSFORMER, POWER, 15V.	840005		1	

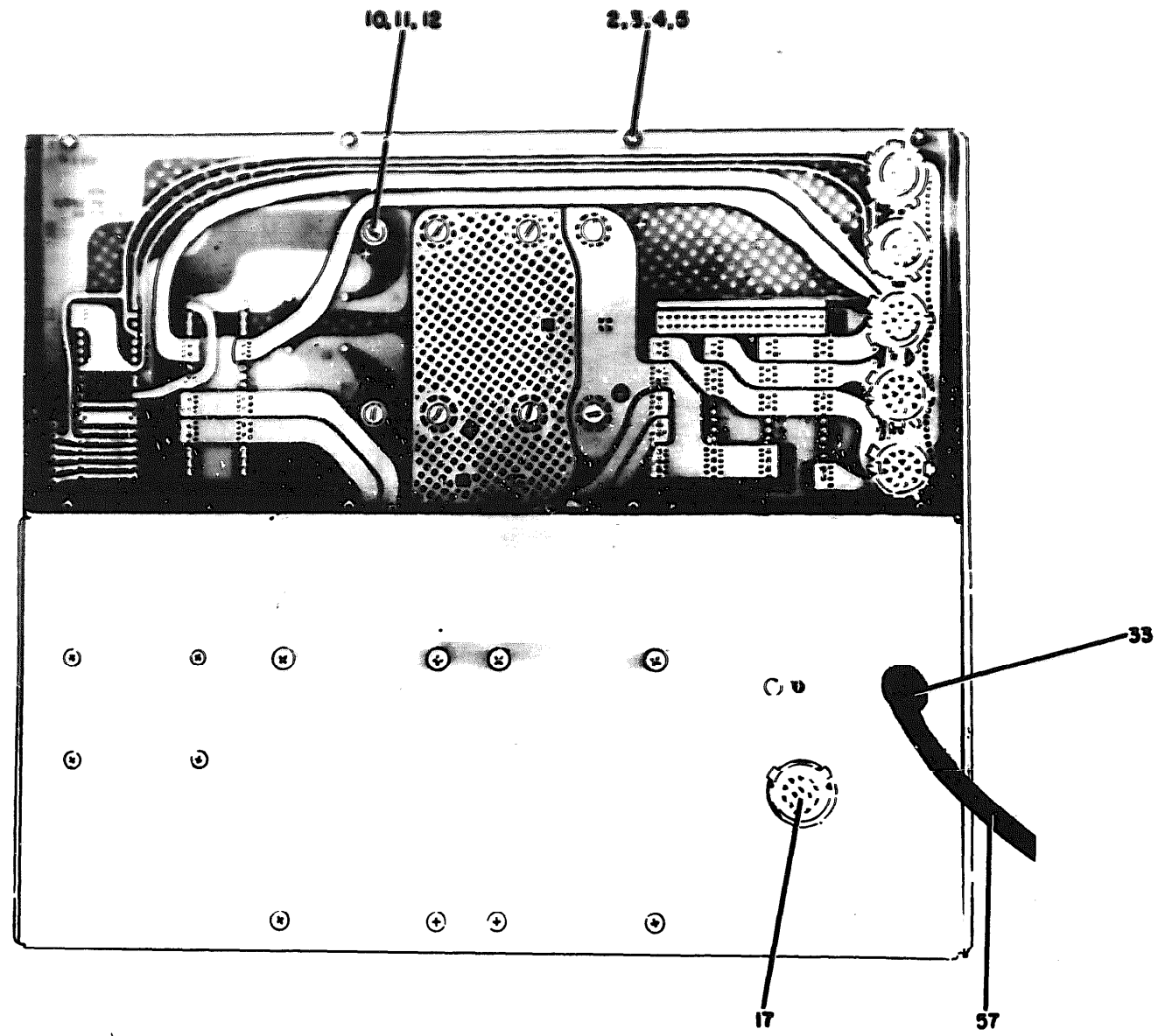


Figure 29. Circuit Card Assembly, Chassis (Sheet 3 of 4) 2-122

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code	
29	-30		(ATTACHING PARTS)					
			SCREW, MACHINE	MS51957-36	96906	4		
			WASHER, FLAT	MS15795-806	96906	4		
				WASHER, LOCK	MS35338-136	96906	4	
				---*---				
	-31	TP1		JACK, ELECTRICAL, RED	105-602	74970	1	
		TP2		SAME AS TP1			1	
		TP3		SAME AS TP1			1	
		TP4		SAME AS TP1			1	
		TP5		S A M E A S T P 1			1	
	-32	XF1		, FUSE HOLDER	342022	75915	1	
		XF2		. SAME AS XF1			1	
		XF3		SAME AS XF1			1	
	-33		. BUSHING, STRAIN RELIEF .	SR11K2	28520	1		
	-34		. WIRE HARNESS	101592		1		
	-35		. . TERMINAL, LUG.	A250	59730	27		
	-36		. . CONNECTOR, BODY, RECEPTACLE	1-480417-0	00779	6		
	-37		. . . CONTACT ELECTRICAL .	62211-1	00779	6		
	-38		. . CONTACT, ELECTRIC. . .	60789-3	00779	7		
	-39		. . CONTACT, ELECTRIC. . .	61064-5	00779	2		
	-39A		. . WIRE, ELECTRIC, STRAND- ED, WHITE, 20 AWG. . .	3252-1	92194	AR		
	-40		. BRACKET, TRANSFORMER MOUNTING	101630		8		
	-41			(ATTACHING PARTS)				
				SCREW, MACHINE	MS51958-72	96906	16	
				WASHER, FLAT	MS15795-842	96906	16	
				WASHER, LOCK	MS35338-138	96906	16	
	-42		. NUT, PLAIN, HEX.	MS35650-304	96906	16		
			---*---					

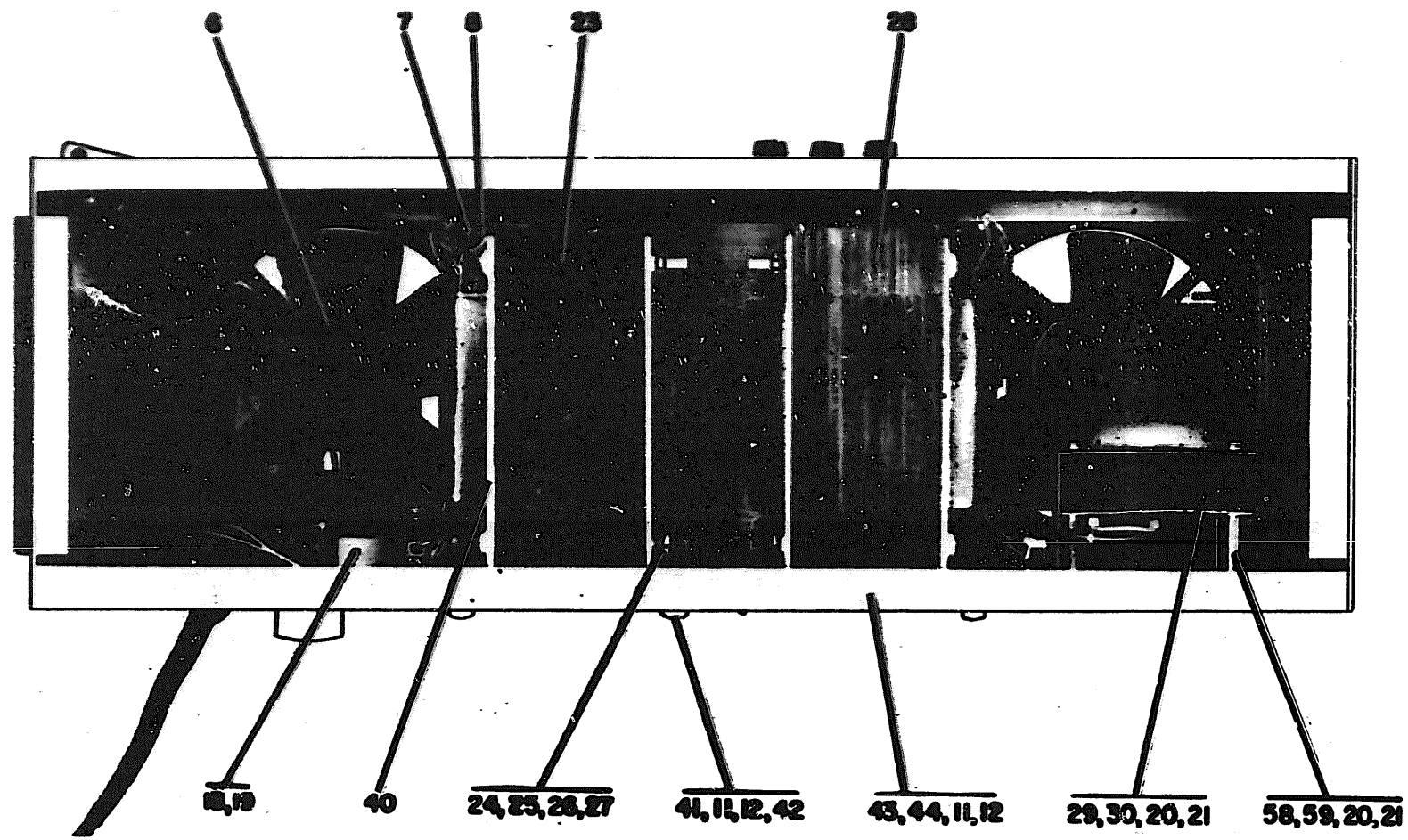


Figure 29, Circuit Card Assembly, Chassis (sheet 4 of 4)2-124

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
29-43			PLATE, TRANSFORMER, MOUNTING	101632		1	
-44			(ATTACHING PARTS) SCREW, MACHINE WASHER, FLAT WASHER, LOCK ----*----	MS51958-63 MS15795-842 MS35338-138	96906 96906 96906	4 4 4	
-45			SUPPORT PLATE	101637		1	
-46			(ATTACHING PARTS) SCREW, MACHINE WASHER, FLAT WASHER, LOCK ----*----	MS51957-45 MS15795-841 MS35338-137	96906 96906 96906	2 2 2	
-47			RETAINER, BAR	101638		1	
-48			(ATTACHING PART) SCREW, CAPTIVE ----*----	DKN7900-10A1	08524	2	
-49			WELDMENT	101643		1	
-50			HINGE	101644		2	
-51			(ATTACHING PART) RIVET, BLIND ----*----	AD64ABS	07707	4	
-52			JACK, ELECTRICAL, BLACK	105-603	74970	1	
-53			RETAINER, CAP	115058-10	00853	4	
-54			(ATTACHING PARTS) SCREW MACHINE	MS35233-31	96906	4	
-55			SCREW, MACHINE WASHER, FLAT WASHER, LOCK	MS51957-29 MS15795-806 MS35338-136	96906 96906 96906	8 12 12	
-56			NUT, PLAIN, HEX ----*----	MS35649-264	96906	4	
-57			CABLE, POWER, ELECTRIC, 3 CONDUCTOR, 16 AWG, W/PLUG	17419	70903	9 FT.	
-58			SPACER, SLEEVE	2124	83330	4	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
29-59			(ATTACHING PARTS)				
			. SCREW, MACHINE	MS51957-28	96906	4	
			. WASHER, FLAT	MS15795-846	96906	4	
			. WASHER, LOCK	MS35338-136	96906	4	
			---*---				
-60			. INDICATOR ASSEMBLY, RED	32-2211	95263	1	
-61			. GUARD, FAN	5504	23936	2	
-62			. BLOCK, ASSEMBLY, TERMINAL	850048		1	
			(ATTACHING PARTS)				
			. SCREW, MACHINE	MS51957-45	96906	2	
			. WASHER, FLAT	MS15795-841	96906	2	
			. WASHER, LOCK	MS35338-137	96906	2	
			. NUT, PLAIN, HEX	MS35649-284	96906	2	
			---*---				
-63			. TERMINAL BLOCK	695-9	75382	1	
-64			. TERMINAL LUG	KT47	75382	9	
		 TERMINAL LUG	KT48	75382	9	
-65		 MARKER STRIP	MS699-9	75382	1	
-66			. FRAME, CARD FILE	890033		1	
			(ATTACHING PARTS)				
			. SCREW, MACHINE	MS51957-45	96906	8	
			. WASHER, FLAT	MS15795-841	96906	8	
			. WASHER, LOCK	MS35338-137	96906	8	
			. NUT, PLAIN, HEX	MS35649-284	96906	8	
			---*---				

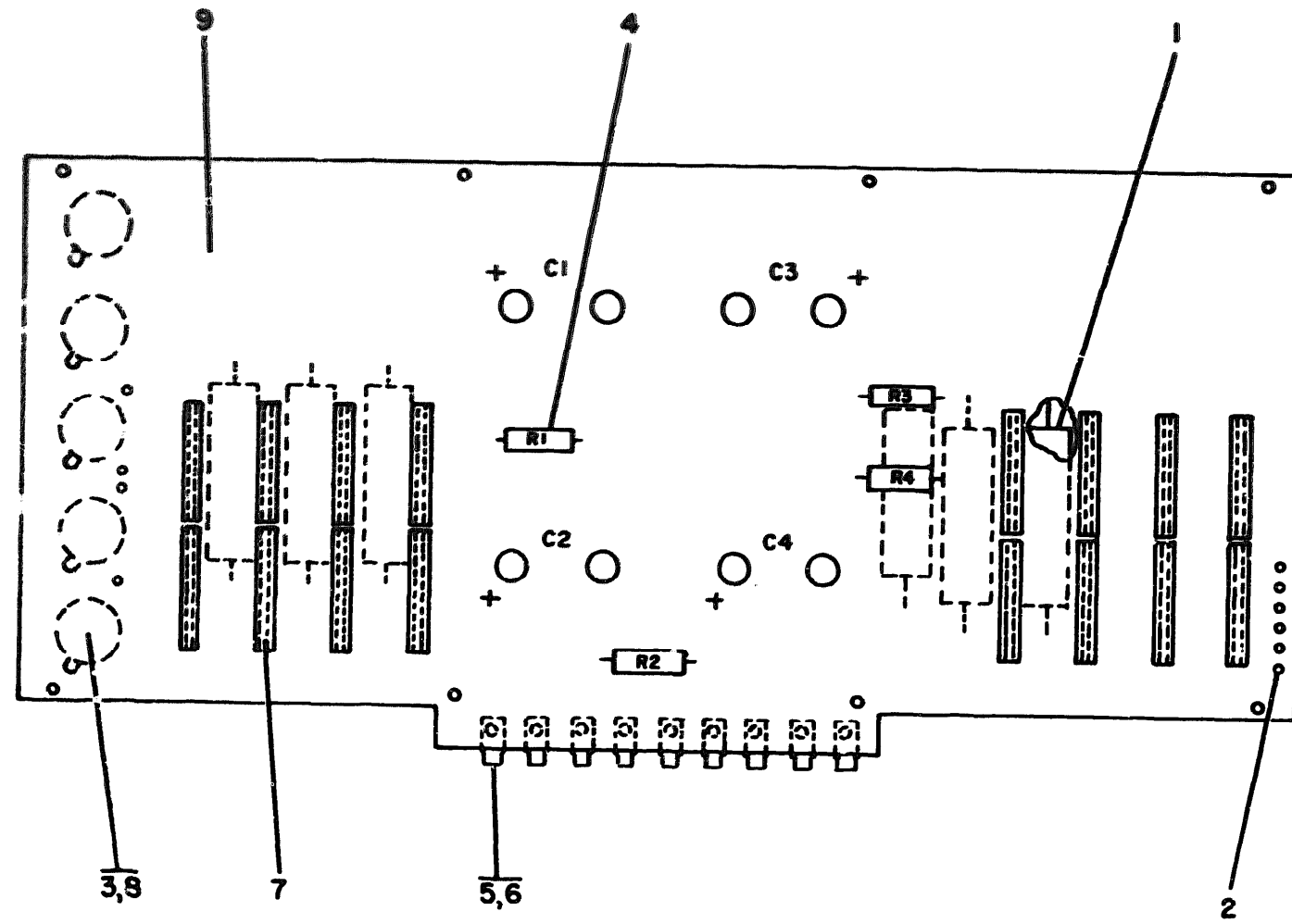


Figure 30. Circuit Card Assembly, Connect

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
30	A1		CIRCUIT CARD ASSEMBLY, CONNECTOR (SEE FIGURE 29-1 FOR NHA)	101571		REF	
-1	C5		CAPACITOR, FIXED, ELECTROLYTIC, 500MF, +10%, 30V	39D507G030FL4	56289	1	
	C6		SAME AS C5			1	
	C7		SAME AS C5			1	
	C8		SAME AS C5			1	
	C9		SAME AS C5			1	
	C10		/ SAME AS C5			1	
-2	E1		1 CONTACT, ELECTRICAL	61067-1	00779	1	
	E2		SAME AS E1			1	
	E3		SAME AS E1			1	
	E4		SAME AS E1			1	
	E5		I SAME AS E1			1	
	E6		. SAME AS E1			1	
	E16		. SAME AS E1			1	
	E17		. SAME AS E1			1	
	E18		. SAME AS E1			1	
	E19		. SAME AS E1			1	
	E20		. SAME AS E1			1	
-3	J1		I CONNECTOR, BODY, RECEPTACLE	1-480423-0	00779	1	
	J2		. SAME AS J1			1	
	J3		. SAME AS J1			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
30	J4		SAME AS J1			1	
	J5		SAME AS J1			1	
-4	R1		RESISTOR, FIXED, FILM, 300 OHMS, +5%, 2W	RL42S301J	81349	1	
	R2		SAME AS R1			1	
	R3		SAME AS R1			1	
	R4		SAME AS R1			1	
-5			TERMINAL, QUICK DISCONNECT	KT52	75382	9	
-6			(ATTACHING PART) RIVET, BLIND ----*----	CD42BS	07707	9	
-7			TERMINAL BOARD	1-85829-0	00779	16	
-8			CONTACT, ELECTRIC	61240-1	00779	51	
-9			PRINTED WIRING BOARD	101633		1	

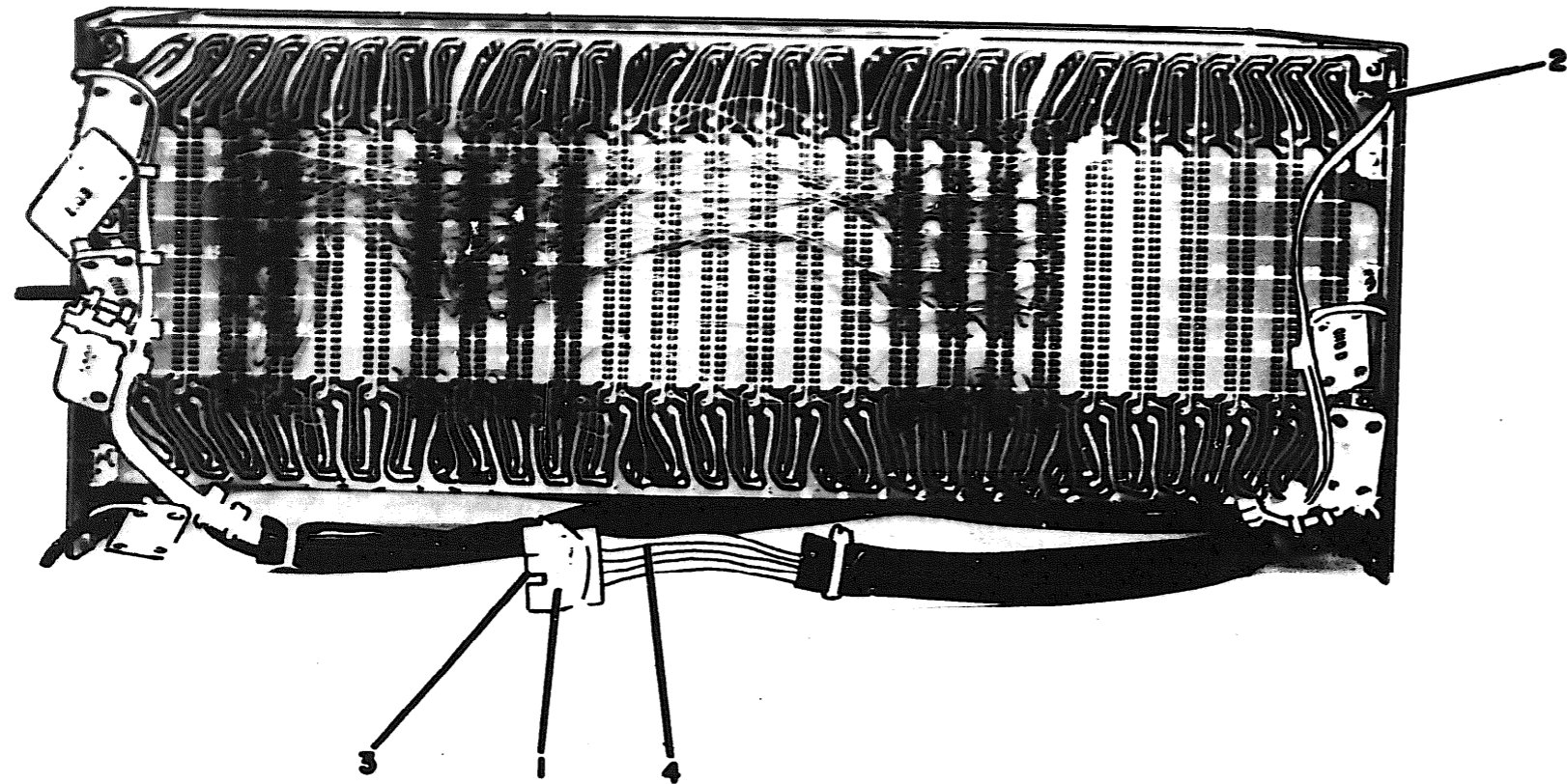


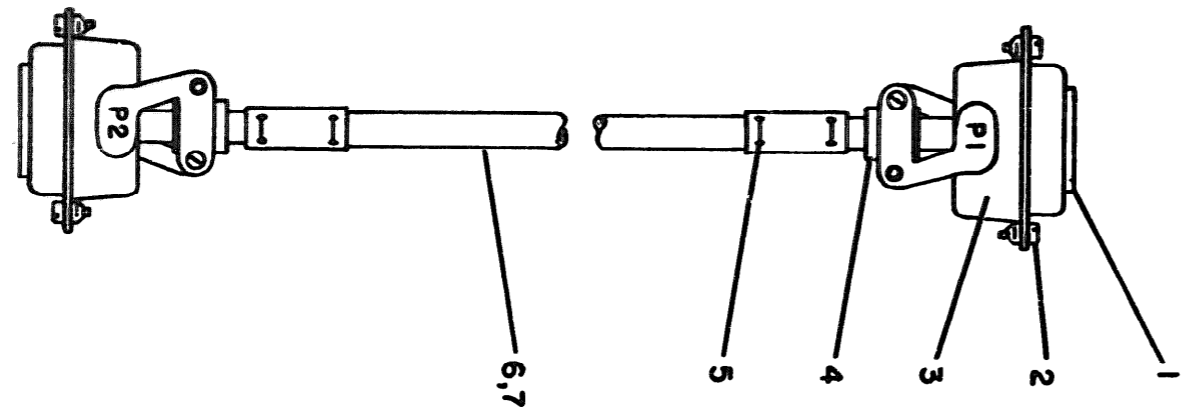
Figure 31. Cable Assembly, Power

(2-131 Blank)/2-132

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
31	W1		CABLE ASSEMBLY, POWER (SEE FIGURE 21-9 FOR NHA)	101596		REF	
-1	P1		CONNECTOR, BODY, RECEPTACLE	1-480422-0	00779	1	
-2			TERMINAL, LUG	A250	59730	11	
-3			CONTACT, ELECTRIC	61062-5	00779	11	
-4			CABLE, SPECIAL PURPOSE, STRANDED WHITE, 18 AWG	1243	92194	AR	

T O 3 1 S 5 - 4 - 5 3 1 - 4



2 - 1 3 4

Figure 32. Cable Assembly, Digital Switch Card to Line Terminator

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
32	W1		CABLE ASSEMBLY, DIGITAL SWITCH CARD TO LINE TERMINATOR (SEE FIGURE 1-18 FOR NHA)	104066-075		REF	
-1	P1		CONNECTOR, PLUG, ELECTRIC, 9 PIN	DE9P	71785	1	
			(ATTACHING PART)				
-2			SCREW, CAPTIVE ---*---	20419-16	71468	4	
-3			CONNECTOR, BODY, ELECTRIC	DE24657	71785	2	
-4			BUSHING, RUBBER.	AN3420-6	81352	2	
	P2		SAME AS P1			1	
-5			C A B L E T I E	SSTIM	06383	4	
-6			TUBING, TEFLON.	TFT250-16	92194	A/R	
-7			CABLE, SPECIAL PURPOSE, 7 TWISTED PAIR, 26AWG	5231-7	92194	A/R	

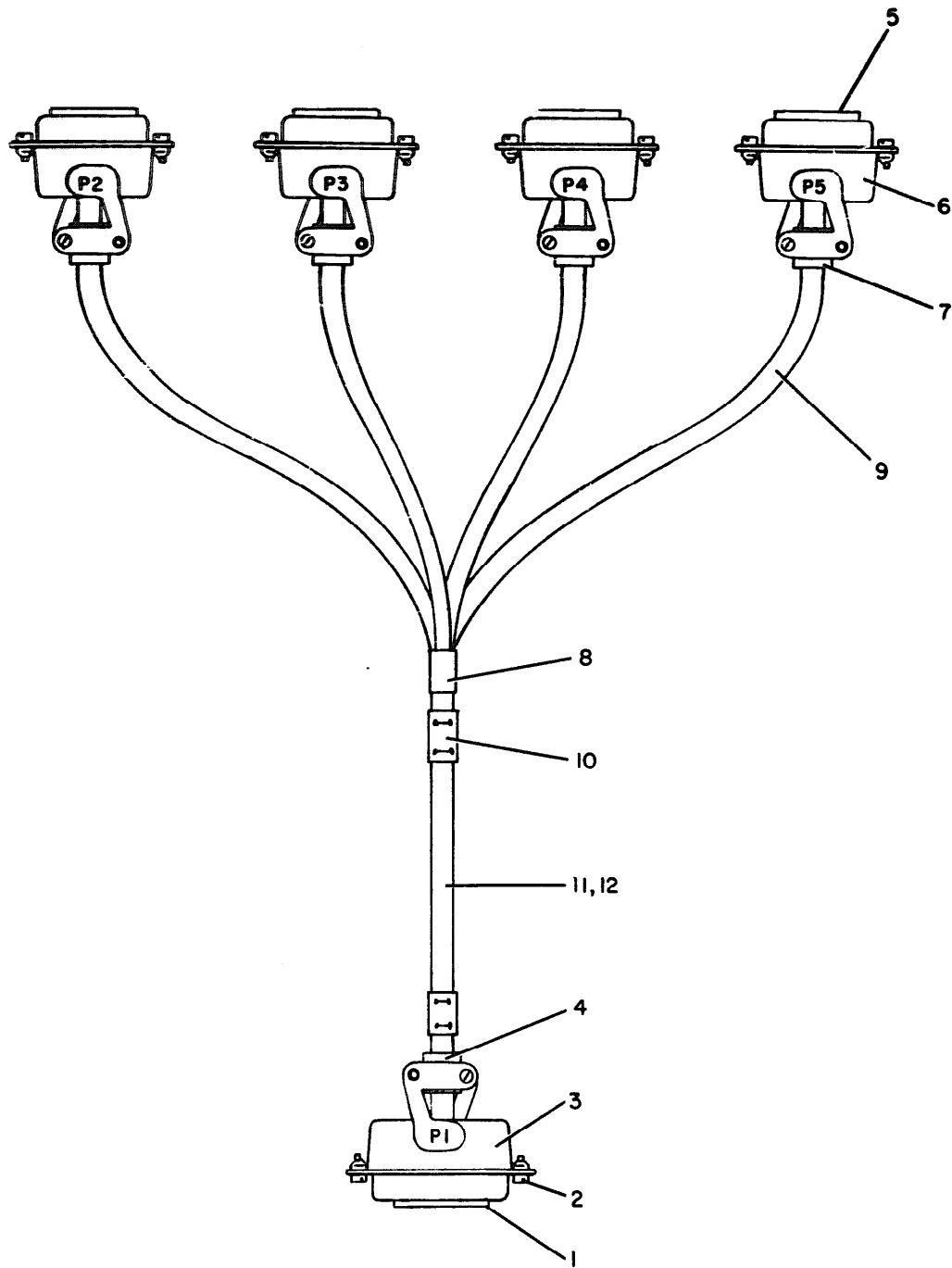


Figure 33. Cable Assembly, Digital Card File to DDIO

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
33	W2		CABLE ASSEMBLY, DIGITAL CARD FILE TO DDIO (SEE FIGURE 1-19 FOR NHA)	104067		REF	
-1	P1		CONNECTOR, PLUG, ELECTRIC, 25 PIN	DB25P	71785	1	
			(ATTACHING PART)				
-2			SCREW, CAPTIVE	20419-16	71468	8	
			---*---				
-3			CONNECTOR, BODY, ELECTRICAL	17-312-01	29587	8	
-4			.. BUSHING, RUBBER.	AN3420-6	81352	4	
	P2		. SAME AS P1			1	
	P3		. SAME AS P1			1	
	P4		. SAME AS P1			1	
-5	P5		. CONNECTOR, PLUG, ELECTRIC, 37 PIN.	DCMM37P	71785	1	
			(ATTACHING PART)				
			. SCREW, CAPTIVE.	20419-16	71468	2	
			---*---				
-6			.. CONNECTOR, BODY, ELECTRIC....	DC20963	71468	1	
-7			. BUSHING, RUBBER.	AN3420-8	88044	1	
-8			. TUBING, SHRINK.	FIT-221-3-4	92194	A/R	
-9			. TUBING, POLYVINYL CHLORIDE.	PVC105-1 BLACK	92194	A/R	
-10			. CABLE TIE	SSTIM	06383	4	
-11			. TUBING, TEFLON.	TFT250-16	92194	A/R	
-12			. CABLE, SPECIAL, PURPOSE, 20 TWISTED PAIR, 26AWG.	5205	92194	A/R	

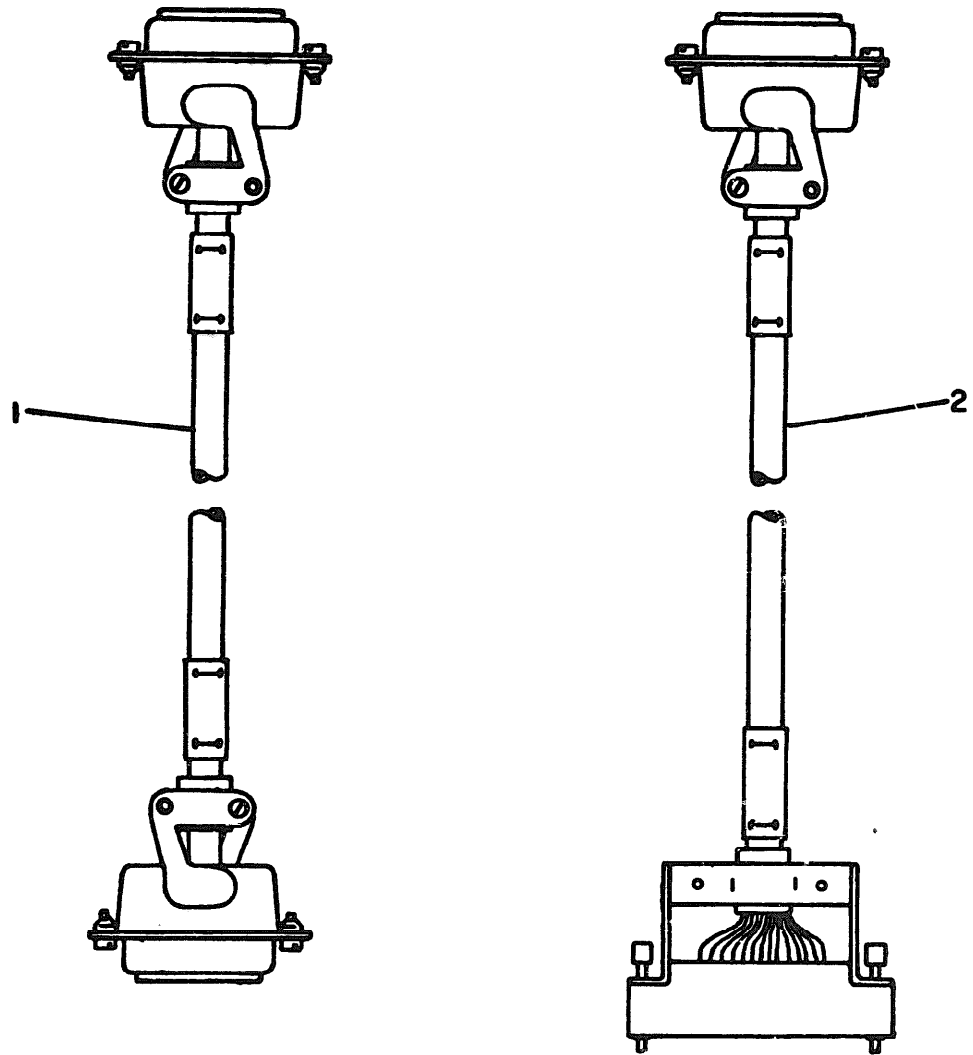


Figure 34. Cable Set Assembly, Communication

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
34	W3		CABLE SET ASSEMBLY, COMMUNICATION (SEE FIGURE 1-20 FOR NHA)	104070		REF	
-1	W1		CABLE ASSEMBLY, COMMUNICATION SWITCH CARD TO LINE TERMINATOR (SEE FIGURE 35 FOR BREAKDOWN)	104068		1	
-2	W2		CABLE ASSEMBLY COMM CARD FILE TO MULTIPLEXER (SEE FIGURE 36 FOR BREAKDOWN)	104069		2	

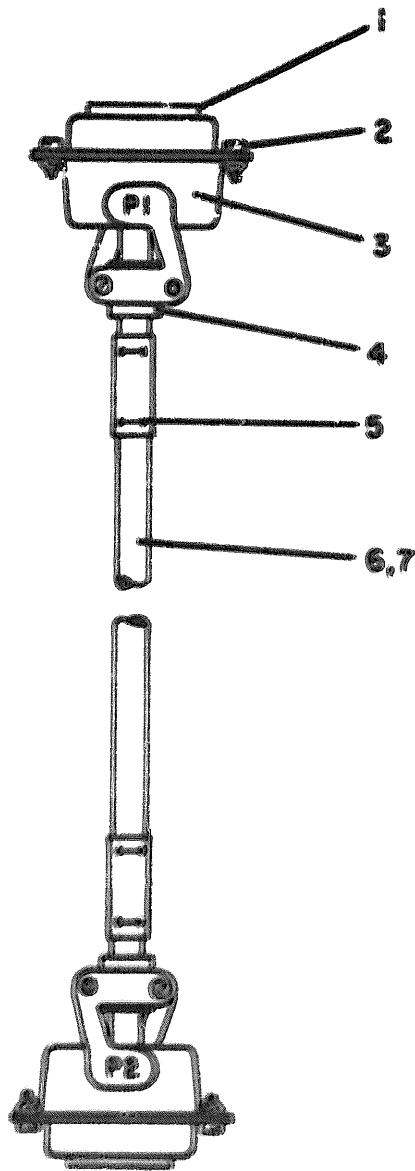


Figure 35. Cable Assembly, Communication Switch Card to Line Terminator

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
35	W1		CABLE ASSEMBY, COMMUNICATION SWITCH CARD TO LINE TERMINATOR (SEE FIGURE 34-1 FOR NHA)	104068		REF	
-1	P1		CONNECTOR, PLUG, ELECTRIC, 25 PIN	0825P	71785	1	
-2			(ATTACHING PART) SCREW, CAPTIVE ---*---	20419-16	71468	4	
-3			CONNECTOR, BODY, RECEPTACLE	17-312-01	29587	2	
-4			BUSHING, RUBBER	AN3420-8	88044	2	
	P2		SAME AS P1			1	
-5			CABLE TIE	SSTIM	06383	4	
-6			TEFLON TUBING, 16 GA	TFT250-16	92194	A/R	
-7			CABLE, SPECIAL PURPOSE, 15 TWISTED PAIR, 26AWG	8766	70903	A/R	

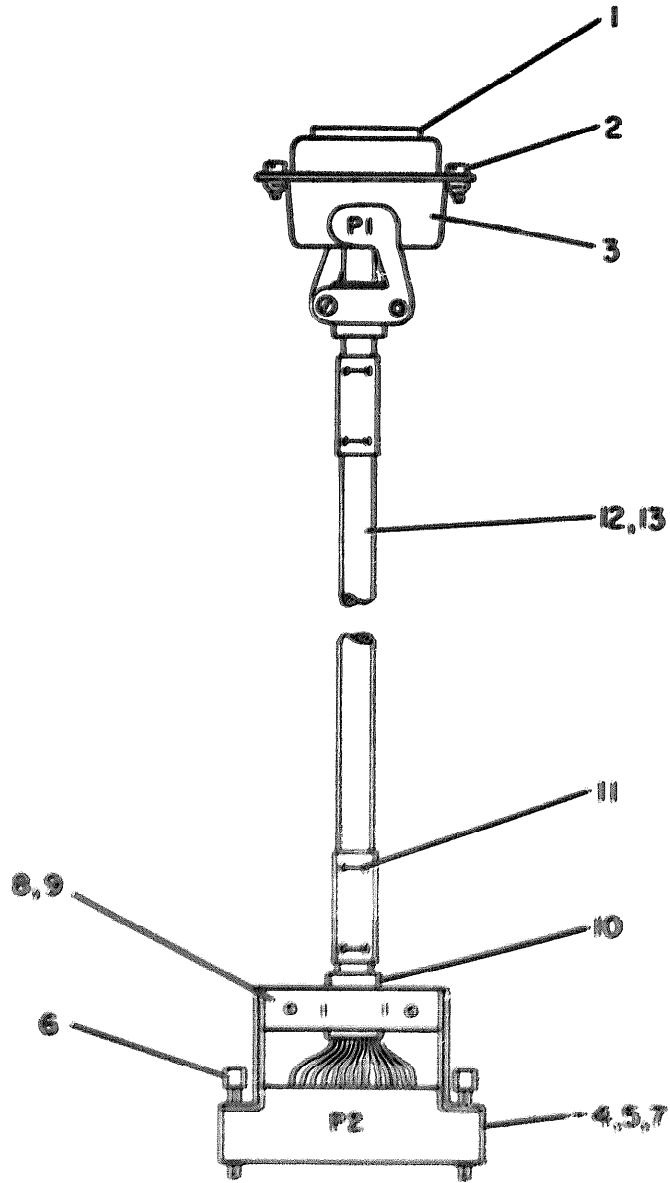


Figure 36. Cable Assembly, Communication Card File to Multiplexer

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
36	W2		CABLE ASSEMBLY, COMMUNICATION CARD FILE TO MULTIPLEXER (SEE FIGURE 34-2 FOR NHA)	104069		REF	
-1	P1		CONNECTOR, PLUG, ELECTRIC, 25 PIN	0825P	71785	1	
-2			(ATTACHING PART) SCREW, CAPTIVE ---*---	20419-16	71460	2	
-3			CONNECTOR, BODY, RECEPTACLE	17-112-01	29507	1	
-4	P2		CONNECTOR ASSEMBLY, 30 POSITION	102414		1	
-5			CONNECTOR, PLUG, ELECTRIC, 30 POSITION	P8402D15-1	09922	1	
-6			(ATTACHING PART) SCREW, CAPTIVE ---*---	SJN7900-403	08524	2	
-7			CONTACT, ELECTRICAL	SP8M24M1	09922	16	
-8			STRAIN RELIEF	102177		1	
-9			(ATTACHING PART) SCREW, MACHINE ---*---	MS51957-15	06906	2	
-10			BUSHING, RUBBER	AN3420-0	08044	2	
-11			CABLE TIE	SST06	06383	4	
-12			TUBING, TEFLON	TFT250-16	92194	1/10	
-13			CABLE, SPECIAL, PURPOSE, 15 TWISTED PAIR, 26AWG	0766	70003	1/10	

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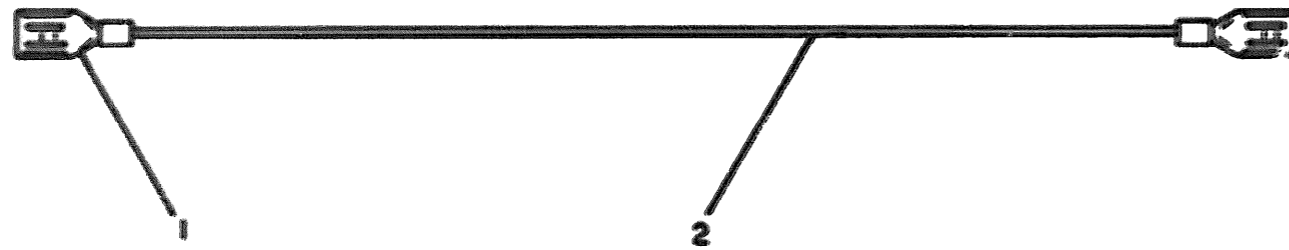


Figure 37. Cable Assembly, Terminator Power Extender

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
37	W4		CABLE ASSEMBLY, TERMINATOR POWER EXTENDER (SEE FIGURE 1-21 FOR NHA)	104174		REF	
-1			TERMINAL, LUG	A250	59730	2	
-2			CABLE, SPECIAL PURPOSE, WHITE, 18 AWG	1243	92194	A/R	

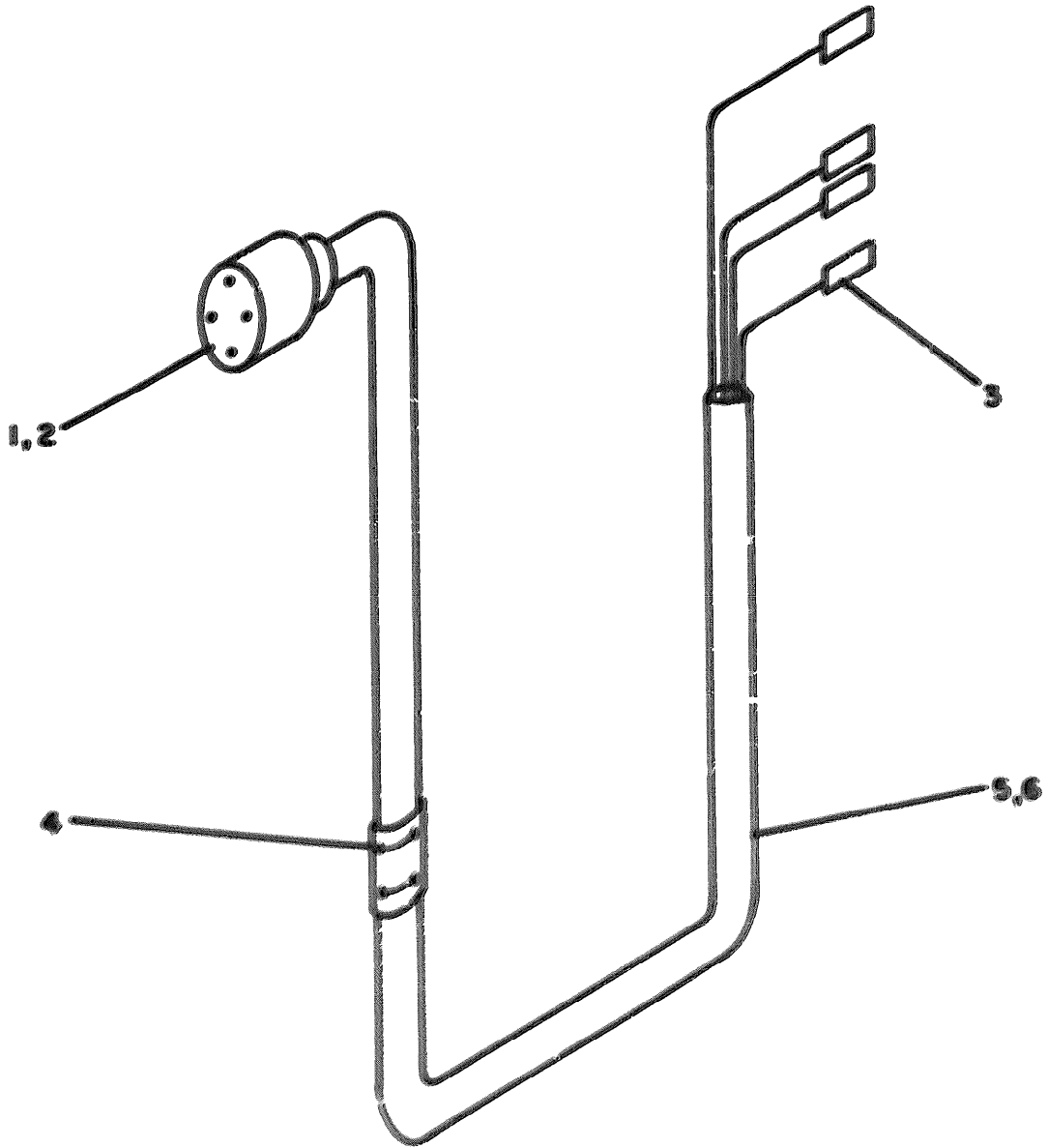


Figure 36. Cable Assembly, Terminator Power

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
38	W5		CABLE ASSEMBLY, TERMINATOR POWER (SEE FIGURE 1-22 FOR NRA).	184175		REF	
-1	F1		- CONNECTOR, PLUG, ELECTRIC, 15 POSITION	1-480422-0	00779	1	
-2			.. CONTACT, ELECTRICAL. . . .	61062-5	00779	4	
-3			- TERMINAL, LOG	A250	50730	4	
-4			- CABLE TIE	SSTIM	06383	2	
-5			- TUBING, POLYVINYL CHLORIDE, 1/4 DIA	PVC105-1 BLACK	92194	A/R	
-6			- CABLE, SPECIAL, PURPOSE, 12AWG	1243	92194	A/R	

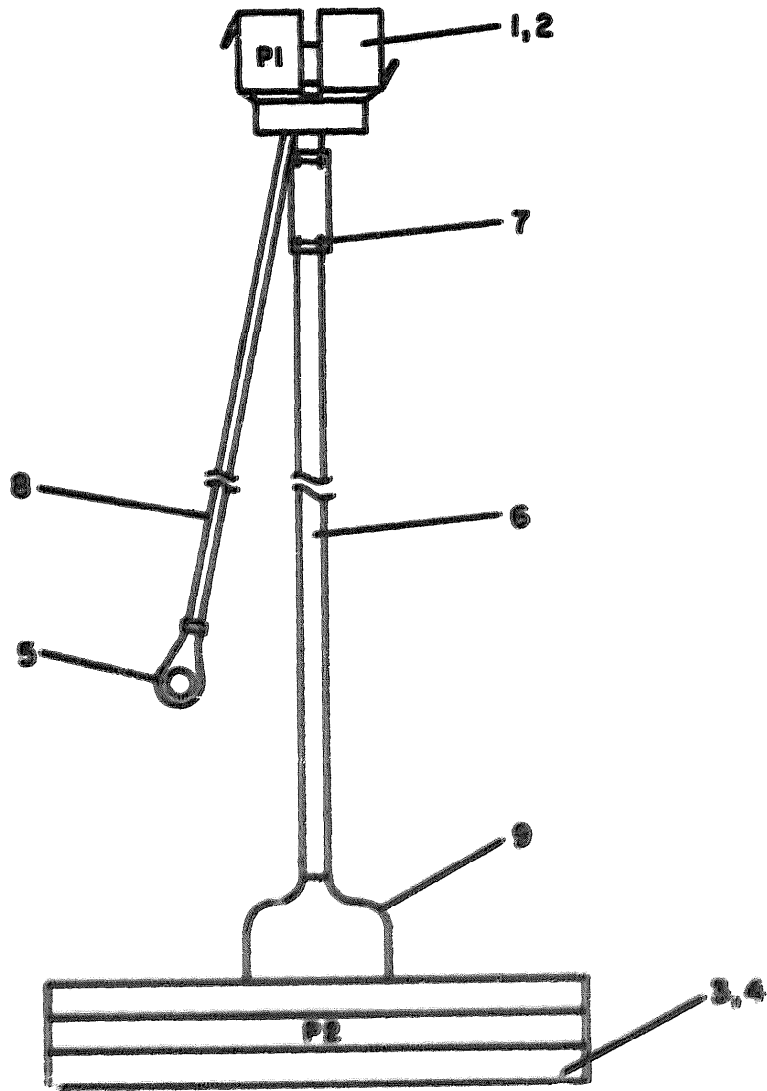


Figure 39. Cable Assembly, Power Sense

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
39	W6		CABLE ASSEMBLY, POWER SENSE (SEE FIGURE 1-23 FOR NHA).	104296		REF	
-1	P1		. CONNECTOR, PLUG, ELECTRIC, 15 POSITION . . .	1-480422-0	03779	1	
-2			.. CONTACT, ELECTRICAL. .	61062-5	00779	6	
-3	P2		. CONNECTOR, PLUG, ELECTRIC, 72 PIN.	65051-1	22526	1	
-4			.. CONTACT, ELECTRICAL. .	47712	22526	6	
-5			. TERMINAL, LUG	324915	00779	1	
-6			. TUBING, POLYVINYL CHLORIDE, 1/4 DIA	PVC105-1 BLACK	92194	A/R	
-7			. CABLE TIE	SSTIM	06103	2	
-8			. CABLE, SPECIAL PURPOSE, 18GA.	1243	92194	F/R	
-9			. WIRE, STRANDED, ELECTRIC, WHITE, 22AWG.	3071-1	92194	A/R	

SECTION III

NUMERICAL INDEX

Part Number	Stock Number	Figure & Index Number	Qty Per Art	Source Code	Repair Code				
AD42ABS	5320009564067	3-21	4	XBFZZ-					
		6-11	4						
		11-8	2						
		12-23	4						
		13-16	2						
		6-11	4						
		17-17	2						
		24-7	1						
		AD43ABS	5320009044136			5-14	4	XBFZZ-	
						5-	4		
5-	4								
16-14	4								
16-	4								
16-	4								
15-11	6								
20-14	6								
AD64ABS AN3420-6	5320004934101			29-51	4	PAFZZN			
	5363008204535			4-7	2	PAFZZN			
AN3420-8	5363001416944	32-4	2	PAFZZN					
		33-4	4						
		19-26	2						
		20-29	2						
		33-7	1						
		35-4	2						
		36-10	2						
		A230				10-3	9	PAFZZN	
						10-	9		
						29-35	27		
31-2	11								
37-1	2								
38-3	4								
A7527-1 C015FD381.003 C04285	9910007028037			20-11	1	PAFZZN			
	5320001830893			28-6	2	PAFZZN			
				7-2	12	PAFZZN			
				7-	12				
		23-23	2						
		24-22	2						
		25-26	2						
		26-24	2						
		30-6	9						
	C006FD471.003 C001.3100000	9910007170167	12-3	1	PAFZZN				
9910002386998		3-1	4	PAFZZN					

NUMERICAL INDEX

Part Number	Stoc' Number	Figure & Index Number	Qty Per Art	Source Code	Repair Code
		6-1	1		
		11-1	2		
		12-1	2		
		13-1	2		
		6-1	1		
		17-2	2		
		23-3	1		
		24-3	1		
		27-2	6		
		28-4	4		
CSRL3F2260E	5910001444383	13-3	2	PAFZZN	
		17-1	2		
		23-1	2		
		24-1	2		
		25-3	1		
		26-2	1		
		27-3	2		
		28-8	2		
C8095-632-4	5815009320214	29-88	8	PAFZZN	
C931402	5935004614140	3-18	5	PAFZZN	
		6-8	5		
		6-8	5		
DB25P	5905004899999	13-1	4	PAFZZN	
		15-1	2		
		16-1	1		
DB25SP175	5835001735673	13-5	1	PAFZZN	
DCM037P		13-5	1	PAFZZN	
DC20963	5985007166578	13-6	1	PAFZZN	
DE24-17	5340001056817	12-3	2	PAFZZN	
DESP	5935007101717	12-1	2	PAFZZN	
DESSP179		17-5	1	PAFZZN	
DKN7900-10AL	5323003403800	1-14A	2	PAFZZN	
		29-48	2		
DKM01	5970001007794	23-24	2	PAFZZN	
		24-23	1		
		25-28	1		
		26-26	1		
DNLS-03007	9810 0724487	18-3	1	PAFZZN	
DNLS-00107	5910008847988	27-6	1	PAFZZN	

NUMERICAL INDEX

Part Number	Stock Number	Figure & Index Number	Qty Per Lot	Source Code	Repair Code
D20418-2	5307009870797	5-7	48	PAFZZN	
		13-6	2		
		15-2	48		
		16-7	48		
		17-6	2		
		18-2	48		
FIT221-3-4	5970 9143118	33-8	AR	XBFZZ-	
FIT221-3-8		14-10	AR	XBFZZ-	
KT47	5940005440423	29-64	9	PAFZZN	
KT48	5940005352622	7-1	12	PAFZZN	
		7-	12		
		29-14	1		
		29-	9		
KT52	5940005363032	30-5	9	XBFZZ-	
LM001A	5962005631929	28-32	1	PAFZZN	
MCR3935-1	59610102070	22-4	5	PAFZZN	
MPSU52	5961001731169	24-6	1	PAFZZN	
MS15795-804	5310007821349	3-24	3	PAFZZN	
		3-	3		
		5-4	34		
		5-	2		
		16-4	38		
		16-4	2		
		19-3	2		
		20-3	2		
		22-12	10		
		23-8	1		
		23-	2		
		25-9	1		
		26-7	1		
		27-15	2		
		28-15	2		
		29-3	8		
MS15795-806	5310008805976	5-20	4	PAFZZN	
		15-7	4		
		15-	8		
		16-20	4		
		16-20	4		
		18-7	4		
		18-	4		
		18-	4		
		19-10	12		

NUMERICAL INDEX

Part Number	Stock Number	Figure & Index Number	Qty Per Art	Source Code	Repair Code
MS15795-841	5310002255328	19-	8	PAFZZN	
		20 -13	12		
		20 -	8		
		24-10	2		
		24-	2		
		25-14	2		
		25-	2		
		26-12	2		
		26-	2		
		29-20	1		
		29-	4		
		29-	12		
		29-	4		
		5-24	1		
16-24	1				
29-25	4				
29-	4				
29-	2				
29-	2				
29-	8				
MS15795-842	5310008839384	1-16	4	PAFZZN	
		29-11	4		
		29-	4		
		29-	16		
MS35222-63	5305009897434	29-	4	PAFZZN	
		29-10	4		
MS35233-31	5305000686534	29-	4	PAFZZN	
		29-54	4		
MS35338-135	5310009338118	3-25	3	PAFZZN	
		3-	3		
		5-5	34		
		5-	2		
		16-5	38		
		16-5	2		
		19-4	2		
		20-4	2		
		22-13	10		
		23-9	1		
		23-	2		
		25-10	1		
		26-8	1		
		27-16	1		

NUMERICAL INDEX

Part Number	Stock Number	Figure & Index Number	Qty Per Art	Source Code	Repair Code
MS35338-136	5310009296395	28-16	1	PAFZZN	
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		5-21	4		
		15-8	4		
		15-	8		
		16-21	4		
		18-8	4		
		18-	4		
		20-19	8		
		24-11	2		
		24-	3		
		25-15	3		
		25-	2		
		26-13	2		
		26-13	3		
		29-21	12		
		29-	1		
MS35338-137	5310009338119	29-	4	PAFZZN	
		29-	4		
		5-25	1		
		16-25	1		
		29-26	4		
		29-	4		
		29-	2		
MS35338-138	5310009338120	29-	2	PAFZZN	
		29-	2		
		29-	8		
		1-17	4		
MS35649-244	5310009349748	29-12	4	PAFZZN	
		29-	4		
		29-	16		
		29-	4		
		5-10	2		
		16-10	2		
		19-5	2		
		20-5	2		
		22-14	10		
		23-10	1		
		23-	4		
25-11	1				
26-9	1				
27-17	1				
28-17	1				

NUMERICAL INDEX

Part Number	Stock Number	Figure & Index Number	Qty Per Art	Source Code	Repair Code				
MS35649-264	5310009349761	29-5	8	PAFZZN					
		20-20	8						
		24-12	3						
		24-12	2						
		25-16	2						
		25-	3						
		26-14	3						
		26-	2						
		29-56	4						
		29-27	4						
MS35649-284	5310009349759	29-	4	PAFZZN					
		29-	2						
		29-	8						
		29-	1						
MS35649-286	5310009349762	5-26	1	PAFZZN					
		16-26	1						
MS35650-304	5310009349765	29-42	16	PAFZZN					
MS51957-14	5305000545648	22-11	10	PAFZZN					
		23-7	1						
		25-8	1						
		26-6	1						
		MS51957-15	5305000545649			4-5	2	PAFZZN	
						5-3	34		
						16-3	38		
						14-7	2		
						29-2	8		
		MS51957-17	5305000545651			36-9	2	PAFZZN	
3-23	3								
3-	3								
5-9	2								
16-9	2								
19-2	2								
20-2	2								
27-14	1								
28-14	1								
MS51957-18	5305009367954			14-2	2	PAFZZN			
		23-12	4						
MS51957-27	5305000546651	29-19	1	PAFZZN					
MS51957-28	5305000546652	5-19	4						
		16-19	4						
		29-59	4						
		29-55	8						
MS51957-29	5305000546653	29-55	8	PAFZZN					
MS51957-30	530510097124	15-6	4	PAFZZN					

NUMERICAL INDEX

Part Number	Stock Number	Figure & Index Number	Qty Per Art	Source Code	Repair Code
MS51957-31	5305000546655	15-	8	PAFZZN	
		18-6	4		
		18-	4		
		19-15	8		
		20-18	8		
		24-9	2		
		25-13	2		
		25-	2		
		24-9	2		
		26-11	2		
		26-	2		
MS51957-36	5305000546660	29-30	4	PAFZZN	
MS51957-38	5305000546662	29-7	8	PAFZZN	
MS51957-42	5305000546667	29-24	4	PAFZZN	
MS51957-45	5305000546670	29-	4	PAFZZN	
		29-46	2		
		29-	2		
MS51957-46	5305000546671	29-	8	PAFZZN	
		5-23	1		
		16-23	1		
MS51958-61	5305000593657	1-15	4	PAFZZN	
MS51958-63	5305000593659	29-44	4	PAFZZN	
MS51958-72	5305009361713	29-41	16	PAFZZN	
MS699-9	5999004697449	29-65	1	XBFZZ-	
PA2-1CB		23-25	1	PAFZZN	
		24-24	1		
		25-29	1		
		26-27	1		
		27-37	1		
		28-38	1		
		28-1	2	PAFZZN	
PA2-104K	5910 3516181	4-3	2	PAFZZN	
PB4D2D15-1	5935009259059	14-5	2		
FVC105-1BLACK	5970008452933	36-5	1	XBFZZ-	
		10-4	AR		
		10-	AR		
		33-9	AR		
		38-5	AR		
PVC105-9-16IN	5970007786144	39-6	AR	XBFZZ-	
		10-5	AR		
		14-11	AR		

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P8111C	5930 2164494	10-5	AR		
RL07S100J		20-9	1	PAFZZN	
RL07S101J	59050045889263	27-31	1	PAFZZN	
		12-5	1	PAFZZN	
		23-17	1		
		24-17	1		
RL07S102J	5905002402726	17-8	2	PAFZZN	
		27-18	5		
		28-28	3		
RL07S103J	5905002402728	27-25	8	PAFZZN	
		28-29	2		
RL07S104J	5905002402734	28-19	3	PAFZZN	
RL07S201J	5905004376299	23-18	1	PAFZZN	
		24-18	1		
		25-23	1		
		26-16	2		
RL07S222J	5905001847705	27-21	5	PAFZZN	
		28-24	1		
RL07S223J	5905002407958	27-27	1	PAFZZN	
RL07S301J	5905004489355	22-5	5	PAFZZN	
RL07S331J	5905004502827	27-26	2	PAFZZN	
		28-31	1		
RL07S332J	5905002402746	27-23	1	PAFZZN	
RL07S333J	5905004225186	27-24	3	PAFZZN	
		28-25	2		
RL07S470J		22-7	5	PAFZZN	
RL07S471J	5905002407979	27-28	1	PAFZZN	
		28-27	2		
RL07S472J	5305004380505	26-15	1	PAFZZN	
		27-22	3		
		28-26	1		
RL07S473J	5905005631595	27-20	1	PAFZZN	
RL07S682J	5905002402749	27-19	2	PAFZZN	
RL07S910J	5905004368560	22-9	3	PAFZZN	
RL20S241J	5905004791768	22-6	2	PAFZZN	
RL32S301J	5905004811318	25-21	1	PAFZZN	
RL42S100J	59055001534576	24-16	1	PAFZZN	
RL42S300J	5905001724648	23-16	2	PAFZZN	
RL42S301J	5905001802939	25-22	1	PAFZZN	
		26-22	1		
		30-4	4		
RN55D1001F	5905004320381	23-13	1	PAFZZN	

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RN55D2741F	5905003482708	24-13	1		
		28-22	1		
		25-20	1	PAFZZN	
RN55D3011F	5905004329152	26-17	1		
		23-15	1	PAFZZN	
		24-15	1		
RN55D3921F	5905000046121	25-17	2		
		26-19	1	PAFZZN	
		28-23	1		
RN55D4750F	5905003086307	28-20	1	PAFZZN	
RN55D5620F	5905002704961	27-29	2	PAFZZN	
		28-30	2		
RN55D6811F	5959004517275	25-18	1	PAFZZN	
RW67UR100F	5905 7636661	23-19	2	PAFZZN	
		24-19	1		
		25-24	1		
		26-20	1		
		23-20	2	PAFZZN	
		4-2	2	PAFZZN	
		14-4	2		
SN15844N	5962004597301	36-6	2		
		27-35	1	PAFZZN	
		28-35	1	PAFZZN	
		12-11	1	PAFZZN	
		13-11	1	PAFZZN	
SN74H00N	5962002847123	17-12	2		
		3-5	4	PAFZZN	
		27-34	1		
SN74H04N	5962001392849	28-34	1		
		3-5	4	PAFZZN	
SN74H05N	5962001465044	27-34	1		
		28-34	1		
SN74H74N	5962089364963	12-15	1	PAFZZN	
		3-16	3	PAFZZN	
SN74S38N	5962010266054	6-6	4		
		11-6	4		
SN7400N	5962003182223	12-12	3		
		6-6	4		
		3-10	1	PAFZZN	
SN7402N	5962803697607	12-17	1		
		13-10	2		
		17-10	4		
SN7404N	5962003410544	3-8	5	PAFZZN	
		12-18	3		
		3-4	8	PAFZZN	

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SN7410N	5962003182224	6-3	5	PAFZZN	
		11-5	3		
		12-7	3		
		6-3	5		
		3-7	1		
SN74107N	5962000072040	12-10	1	PAFZZN	
		3-15	2		
SN74121N	5962003697706	12-6	3	PAFZZN	
		27-33	2		
		28-36	2		
SN74122N	5962001725569	28-33	1	PAFZZN	
SN7413N	5962001560982	27-32	1	PAFZZN	
SN74154N	5962002504824	6-7	2	PAFZZN	
		6-	2		
SN74157N	5962002770188	3-11	3	PAFZZN	
		12-21	1		
SN74161N	5962003271155	12-14	1	PAFZZN	
SN74162N	5962001630133	12-9	5	PAFZZN	
SN74175N	5962001630145	17-13	1	PAFZZN	
SN74197N	5962009363559	3-13	2	PAFZZN	
SN7427N	5962004341674	12-16	1	PAFZZN	
SN7430N	5962002560343	3-6	2	PAFZZN	
SN7438N	5962009363416	6-5	3	PAFZZN	
		12-8	6		
		13-9	1		
		6-5	3		
		17-11	2		
SN7442N	5962001930329	3-3	3	PAFZZN	
SN7474N	5962001853760	3-9	3	PAFZZN	
		12-19	2		
		13-12	1		
		3-14	2		
SN7486N	5962003618648	13-13	8	PAFZZN	
SN75452BP	5962001484807	17-14	4	PAFZZN	
		4-6	80		
SPBM24H1	599900447101454	14-8	30	PAFZZN	
		36-7	16		
		29-33	1		
SR11K2	5975006705213	4-8	4	PAFZZN	
SST1M	5975 7275153	8-5	2	XBFZZ-	
		10-6	4		

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TFT250-16	5970 0797745	10-6	4		
		19-28	4		
		20-31	4		
		32-5	4		
		33-10	4		
		35-5	4		
		36-11	4		
		38-4	2		
		39-7	2		
		4-9	AR	XBFZZ-	
		23-26	AR		
		24-29	AR		
		25-35	AR		
		26-32	AR		
		32-6	AR		
33-11	AR				
35-6	AR				
TFT250-22	5970008370647	36-12	AR		
		24-30	AR	XBFZZ-	
		25-36	AR		
		26-33	AR		
T6-67-0-20HM U5R7723393	5962004537739	26-21	1	PAFZZN	
		23-21	1	PAFZZN	
1-480417-0 1-480422-0	5935010281959 593500175455I	24-20	1		
		25-27	1		
		26-25	1		
		27-36	1		
		28-37	1		
		29-36	6	PAFZZN	
		10-1	1	PAFZZN	
		10-	1		
		31-1	1		
		38-1	1		
1-480423-0	5935002367556	39-1	1		
		29-17	1	PAFZZN	
		30-3	5		
1-85829-0 1N3492	5940000820589 5961007623073	30-7	16	PAFZZN	
		24-27	2	PAFZZN	
1N3492R 1N4002	5961000633566 5961009576865	26-30	2		
		25-33	2	PAFZZN	
		27-9	4	PAFZZN	
		28-11	5		

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Part Number	Stock Number	Figure & Index Number	Qty Per Art	Source Code	Repair Code
1N4608	5961010041441	13-14	16	PAFZZN	
		17-4	8		
		27-8	12		
		28-10	3		
1N5231B	5961004376349	22-2	1	PAFZZN	
		25-4	1		
100231		26-39	1	XAFZZ-	
100233		23-27	1	XBFZZ-	
100245		25-42	1	XAFZZ-	
100328		24-36	1	XAFZZ-	
100329	7025010094236	21-3	1	PAFFFF	
101-000NY	5970008276613	25-30	1	PAFZZN	
		27-38	8		
		28-39	2		
101001	5999002445391	23-22	2	PAFZZN	
		24-21	2		
		25-25	2		
		26-23	2		
101178		24-25	1	XBFZZ-	
		25-31	1		
		26-28	1		
101179		24-28	1	XBFZZ-	
		25-34	1		
		26-31	1		
101259		24-26	1	AFFFF-	
		26-29	1		
101262		25-32	1	AFFFF-	
101344		7-5	1	XBFZZ-	
		7-	1		
101440		5-12	1	XBFZZ-	
		16-12	1		
101485		27-46	1	XAFZZ-	
101486	7025010094237	21-6	1	PAFFFF	
101487		28-45	1	XAFZZ-	
101488	7025010094238	21-7	1	PAFFFF	
101531	7025010155351	1-14	1	PAFDDT	
101566		23-21	1	XAFZZ-	
101570		21-8	1	ADDDD-	
101571		29-1	1	ADDDD-	
101572	7025010094240	21-2	2	PAFFFF	
101573		21-5	1	PAFFFF	
101574	7025010094241	21-4	1	PAFFFF	

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Part Number	Stock Number	Figure & Index Number	Qty Per Art	Source Code	Repair Code
101575	7025010094242	21-1	1	PAFFFP	
101592		29-34	1	ADDD-	
101595		21-12	1	XBFZZ-	
101596		21-9	1	AFFFF-	
101597		21-10	1	XBFZZN	
101598		21-11	1	XBFZZN	
101623		5-13	1	XBFZZ-	
		16-13	1		
101625		3-20	4	XBFZZ-	
		6-10	4		
		11-7	2		
		12-22	4		
		13-15	2		
		6-10	4		
		17-16	2		
101630		29-40	8	XBDD-	
101632	29-43	1	XBDZZ-		
101633	30-9	1	XADZZ-		
101637	29-45	1	XBDZZ-		
101638	29-47	1	XBDZZ-		
101643	29-49	1	XBDZZ-		
101644	29-50	2	XBDZZ-		
101685	14-1	2	XBFZZ-		
101823	3-22	1	XBFZZ-		
101897	3-26	1	XBFZZ-		
102377	4-4	1	XBFZZ-		
	14-6	1			
	36-8	1			
102414	4-1	2	AFFFF-		
	14-3	2			
	36-18	1			
102630	22-18	1	XAFZZ-		
102635	22-10	5	XBFZZ-		
102780-03	19-9	2	XBFZZ-		
	20-12	2			
102781-03	19-12	2	XBFZZ-		
	20-15	2			
104066-075	1-18	12	AFFFF-		
104067	1-19	1	AFFFF-		

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Part Number	Stock Number	Figure & Index Number	Qty Per Art	Source Code	Repair Code
104068		34-1	12	AFFFF-	
104069		34-2	2	AFFFF-	
104070		1-20	1	AFFFF-	
104071-080		2-2	2	AFFFF-	
104072		1-7	1	AFFFF-	
104073		11-9	1	XAFZZN	
104074	7025010067539	1-4	2	PAFFFP	
104079		12-24	1	XAFZZ-	
104080	7025010067538	1-5	1	PAFFFP	
104081		3-27	1	XADZZ-	
104082	7025010067542	2-1	1	PAFDDT	
104083		1-9	1	AFFFF-	
104084		1-2	1	AFFFF-	
104085		1-12	1	AFFFF-	
104086		1-13	1	AFFFF-	
104087		1-1	2	AFFFF-	
104088		1	1	AFFFF-	
104101		1-8	1	AFFFF-	
104102		1-11	1	AFFFF-	
104107		5-2	1	AFFFF-	
104108		16-2	1	AFFFF-	
104111-072		19-21	4	AFFFF-	
		20-24	4		
104112		5-6	12	AFFFF-	
		16-6	12		
104113		5-8	2	AFFFF-	
		16-8	4		
104114-01		5-16	1	XBFZZ-	
		16-16	1		
104114-02		5-17	1	XBFZZ-	
		16-17	1		
104115		5-18	1	XBFZZ-	
		16-18	1		
104117		20-16	1	XBFZZ-	
104118		19-13	1	XBFZZ-	
104119		19-14	2	XBFZZ-	
		20-17	2		
104151		6-12	1	XAFZZ-	
		6-12	1		
104152	7025010067540	5-1	1	PAFFFP	
		16-1	1		
104170		15-4	1	XBFZZ-	

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104171		18-4	1		
104173		15-5	1	XBFZZ-	
104174		18-5	1	XBFZZ-	
104175		1-21	1	AFFFF-	
104201		1-22	1	AFFFF-	
104202		14-12	1	XBFZZ-	
		5-11	1	AFFFF-	
		16-11	1		
104206		1-23	1	AFFFF-	
104358		1-6	1	PAFFFP	
104339		13-17	1	XAFZZ-	
104340		1-10	1	PAFFFP	
104341		17-18	1	XAFZZ-	
105-602	5935007024199	29-31	5	PAFZZN	
105-603	5935005015488	29-52	1	PAFZZN	
107B102J	5910004823855	23-2	1	PAFZZN	
		24-2	1		
		25-1	1		
		26-1	1		
		27-4	2		
		28-9	1		
107B103K	5910008352710	23-4	1	PAFZZN	
		24-4	1		
		25-2	1		
		26-3	1		
		27-1	3		
		28-2	3		
115058-10	5910000591396	29-53	4	PAFZZN	
120-2	5970004431183	23-28	AR	XBFZZ-	
		24-31	AR		
		25-37	AR		
		26-34	AR		
		28-40	AR		
1243	6145006306660	10-7	AR	XBFZZ-	
		10-	AR		
		31-4	AR		
		37-2	AR		
		38-6	AR		
		29-8	AR		
17-312-01	5935009810891	33-3	4	PAFZZN	
		35-3	2		
		36-3	1		

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17419	6150000711180	29-57	AR	PAFZZN	
2N2369A	5961005524636	27-11	4	PAFZZN	
		28-18	1		
2N3725	5961005743850	27-12	1	PAFZZN	
2N4916	5961002502408	22-3	5	PAFZZN	
		25-6	1		
		27-10	4		
		28-12	1		
2N4920	5961004219609	23-6	1	PAFZZN	
		25-7	1		
		26-5	1		
		27-13	1		
		28-13	1		
203802-2		19-25	108	PAFZZN	
203803-2	5935001392632	20-28	108		
		9-1	1	PAFZZN	
		19-1	4		
		20-1	4		
203804-2	5935001392633	19-22	2	PAFZZN	
203814-1	5340004709537	20-25	2		
		19-23	2	PAFZZN	
		20-26	2		
203816-2		9-2	54	PAFZZN	
		9-	54		
		19-7	216		
		20-7	216		
203879-1	5935001392635	9-3	1	PAFZZN	
		9-	1		
		19-6	4		
		20-6	4		
203880-2	5935001392636	19-24	2	PAFZZN	
		20-27	2		
20419-16	5935002123435	32-2	4	PAFZZN	
		33-2	8		
		33-2	2		
205203-1	5935000329561	18-1	24	PAFZZN	
205207-1	5935000329565	8-1	2	PAFZZN	
		15-1	24		
		8-	2		
		35-2	2		
		36-2	2		
205311-9		8-2	32	PAFZZN	

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		15-3	384		
		8-2	32		
		18-3	182		
2102	5365005408793	15-9	8	PAFZZN	
		16-9	4		
2124	5340007251896	29-58	4	PAFZZN	
21581B104M		22-1	5	PAFZZN	
		27-5	1		
		28-5	2		
250D01		29-18	1	PAFZZN	
295	6145001288696	24-32	AR	XBFZZ-	
		25-38	AR		
		26-35	AR		
298	6145001604775	22-17	AR	XBFZZ-	
		24-33	AR		
		25-39	AR		
		26-36	AR		
3PN40-9JND3		7-3	17	PAFZZN	
		7-	19		
3006P1-101	5905003595434	22-8	5	PAFZZN	
3006P1-102	5905001074881	23-14	1	PAFZZN	
		24-14	1		
		25-19	1		
		26-18	1		
		27-30	1		
		28-21	2		
3071-1		39-9	AR	XBFZZ-	
312004	5920005572647	24-5	1	PAFZZN	
312005	5920002846787	25-5	1	PAFZZN	
		26-4	1		
312008	5920002804998	23-5	1	PAFZZN	
313-100	5920003562185	29-16	1	PAFZZN	
31302-5	5920002803178	29-15	2	PAFZZN	
32-2211	6210006212442	29-60	1	PAFZZN	
324915	5940001434775	39-5	1	PAFZZN	
3252-1		27-39	AR	XBFZZ-	
		29-39	AR		
342022	5920005560144	29-32	3	PAFZZN	
39D128G025HJ4		27-7	1	PAFZZN	
39D507G030FL4	5910007633868	28-7	1	PAFZZN	
		30-1	6		
404-200NY	5999002203443	27-10	1	PAFZZN	

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4500C	4140009284497	29-6	2	PAFZZN	
47712	5999002852987	8-4	34	PAFZZN	
		9-5	54		
		8-4	34		
		9-5	54		
		39-4	6		
507-4757-3331-500	6240010230424	19-18	96	PAFZZN	
		20-21	96		
515-0051	6250009162729	19-20	96	PAFZZN	
		20-23	96		
515-0074	5960004826493	19-19	96	PAFZZN	
		20-22	96		
5205		4-10	AR	XBFZZ-	
		32-12	AR		
5231-7		32-7	AR	XBFZZ-	
5235		19-27	AR	XBFZZ-	
		20-30	AR		
5504	4140001004563	29-61	2	PAFZZN	
5624-12-5	5970003459624	27-41	1	PAFZZN	
60789-3	5999001468590	29-38	7	PAFZZN	
61062-5	5999010226620	10-2	9	PAFZZN	
		10-	9		
		31-3	11		
		38-2	4		
		39-2	6		
61064-5	5999010226619	29-39	2	PAFZZN	
61067-1	5999001398777	13-8	2	PAFZZN	
		17-9	2		
		30-2	11		
		27-42	1		
		28-41	1		
61240-1		30-8	51	XBFZZ-	
614DG5		3-19	5	PAFZZN	
		6-9	5		
		6-	5		
62211-1		29-37	6	PAFZZN	
65051-1	5935010216930	8-3	1	PAFZZN	
		9-4	1		
		8-3	1		
		9-4	1		
		39-3	1		

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699-9		29-63	1	XBDZZ-	
7101SYZ	5930001550808	20-10	1	PAFZZN	
		29-22	1		
7103SYZ	5930004095482	19-8	48	PAFZZN	
		20-8	48		
750-81R1K	5905010275599	13-14	1	PAFZZN	
		17-15	1		
773	5340007828737	5-22	1	PAFZZN	
		16-22	1		
805-000ZSV0-103Z	5910002333339	3-2	18	PAFZZN	
		6-2	12		
		11-3	3		
		12-2	13		
		13-2	12		
		17-3	4		
8121-050-651-104M	5910004982215	11-2	6	PAFZZN	
		12-4	3		
830095	5905010124930	3-17	4	PAFZZN	
		11-4	6		
		12-20	3		
840003		29-23	1	PAFZZN	
840004		29-28	1	PAFZZN	
840005	5950010220480	29-29	1	PAFZZN	
850048		29-62	1	XBFZZ-	
850320		15-10	2	XBFZZ-	
		18-10	1		
85487-4LP	5999002313885	22-15	15	PAFZZN	
		23-29	18		
		24-34	18		
		25-40	17		
		26-37	18		
		27-43	20		
		28-42	20		
86181-2	5935004361320	22-16	1	PAFZZN	
		23-30	1		
		24-35	1		
		25-41	1		
		26-38	1		
		27-44	1		
		28-43	1		

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		14-9	AR		
		15-11	AR		
		8-6	AR		
		9-6	AR		
		18-11	AR		
8700	5364002397732	27-45	1	PAFZZN	
		28-44	1		
8766	6145008662305	35-7	AR	XBFZZ-	
		36-13	AR		
890033		29-66	1	XBDZZ-	
890075		7-4	8	XBFZZ-	
		7-	8		
899-1R680	5905002171187	3-12	1	PAFZZN	
		6-4	2		
		12-13	1		
		6-4	2		
91M15CC653	5910010285723	29-9	2	PAFZZN	
91M35CC253		29-13	2	PAFZZN	
93SX325	5961010182606	23-11	2	PAFZZN	
		24-8	1		
		25-12	1		
		26-10	1		
961A12Y2L		17-7	8	PAFZZN	
961A12Y4L		13-7	8	PAFZZN	

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1A1A1	3-22	101823
1A1A1	3-23	MS51957-17
1A1A1	3-24	MS15795-804
1A1A1	3-25	MS35338-135
1A1A1	3-26	101897
1A1A1	3-23	MS51957-17
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1A1A1U15	3-8	SN7402N
1A1A1U16	3-9	SN7474N
1A1A1U17	3-10	SN7400N
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1A1A1U19	3-5	SN74H05N
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1A1A1U23	3-13	SN74197N
1A1A1U24	3-13	SN74197N
1A1A1U25	3-11	SN74157N
1A1A1U26	3-11	SN74157N
1A1A1U27	3-4	SN7404N
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1A1A1U29	3-9	SN7474N
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1A1A1U32	3-14	SN7486N
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1A1A1U37	3-16	SN74S38N
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1A1A1U39	3-4	SN7404N
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1A1A1XTP3	2-19	614DG5
1A1A1XTP4	2-19	614DG5
1A1A1XTP5	2-19	614DG5
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1A1W1	4-3	PB4D2D15-1
1A1W1	4-4	102377
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1A1W1	4-7	AN3420-6
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1A1W1	4-10	5205
1A1W1P1	4-1	102414
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1A2W1J2	8-1	2Ø52Ø7-1
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1A4U21	12-16	SN7427N
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1W2	33-2	20419-16
1W2	33-6	DC20963
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1W2	33-8	FIT221-3-4
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1W2	33-10	SSTIM
1W2	33-11	TFT250-16
1W2	33-12	5205
1W2P1	33-1	DB25P
1W2P2	33-1	DB25P
1W2P3	33-1	DB25P
1W2P4	33-1	DB25P
1W2P5	33-5	DCMM37P
1W3	1-20	104070
1W3W1	34-1	104068
1W3W1	35-2	20419-16
1W3W1	35-3	17-312-01
1W3W1	35-4	AN3420-8
1W3W1	35-5	SSTIM
1W3W1	35-6	TFT250-16
1W3W1	35-7	8766
1W3W1P1	35-1	DB25P
1W3W1P2	35-1	DB25P
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1W3W2	36-7	SPBM24H1
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1W6	39-8	1243
1W6	39-9	3071-1
1W6P1	39-1	1-480422-0
1W6P2	39-3	65051-1

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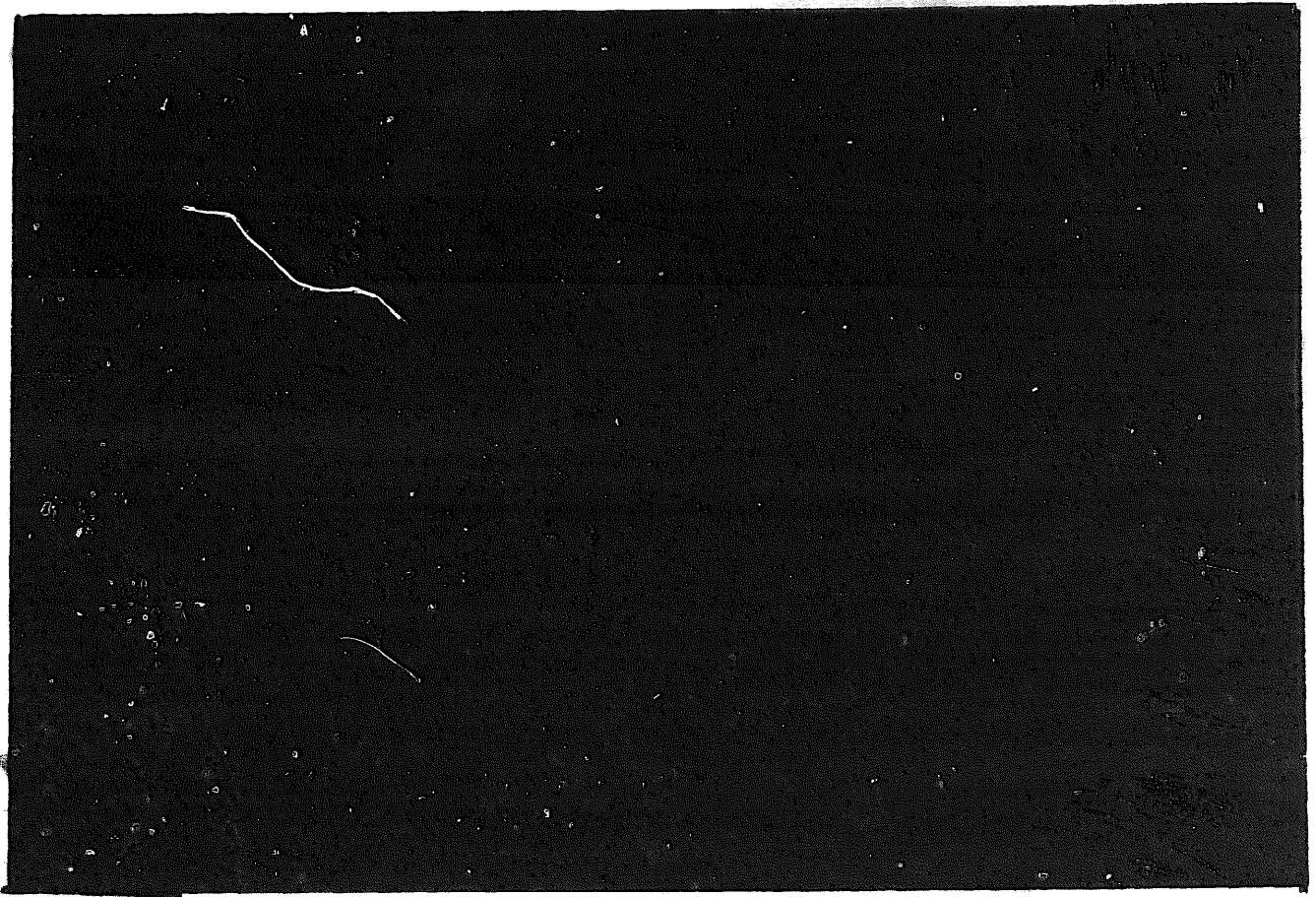


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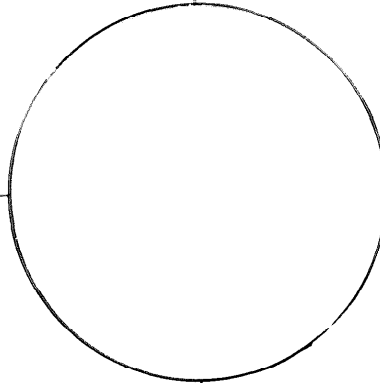
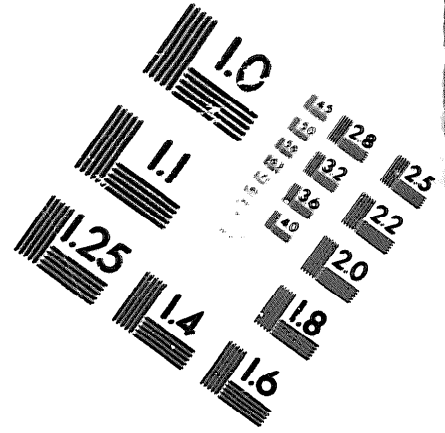
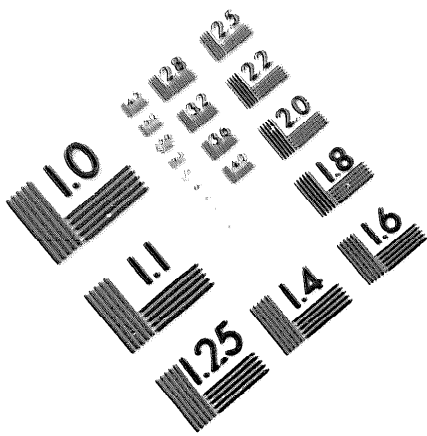
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DATE





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MICROFORM
TEST TARGET



150 MM

1.0 mm (e= .81 mm)

ABCDEFGHIJKLMN OPQRSTUVWXYZ 1234567890
abcdefghijklmnopqrstuvwxyz \$c£ / % # 1/2 1/4 3/4 — = + x & @ *

1.5 mm (e= 1.09 mm)

ABCDEFGHIJKLMN OPQRSTUVWXYZ 1234567890
abcdefghijklmnopqrstuvwxyz \$c£ / % # 1/2 1/4 3/4 — = + x & @ *

2.0 mm (e= 1.37 mm)

ABCDEFGHIJKLMN OPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 \$c£ / % # 1/2 1/4 3/4 — = + x & @ *

2.5 mm (e= 1.77 mm)

ABCDEFGHIJKLMN OPQRSTUVWXYZ
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1234567890 \$c£ / % # 1/2 1/4 3/4 — = + x & @ *

1.0 mm (e= .81 mm)

ABCDEFGHIJKLMN OPQRSTUVWXYZ 1234567890
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1.5 mm (e= 1.09 mm)

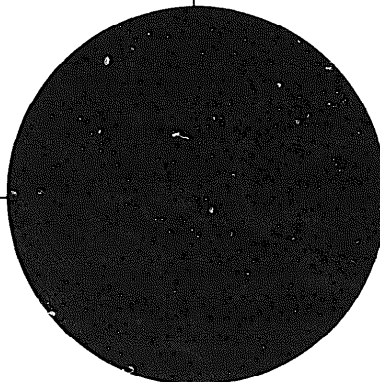
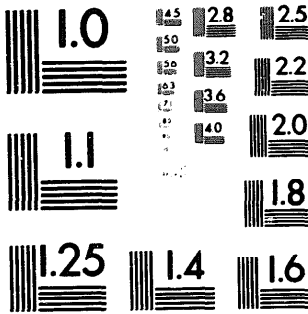
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2.0 mm (e= 1.37 mm)

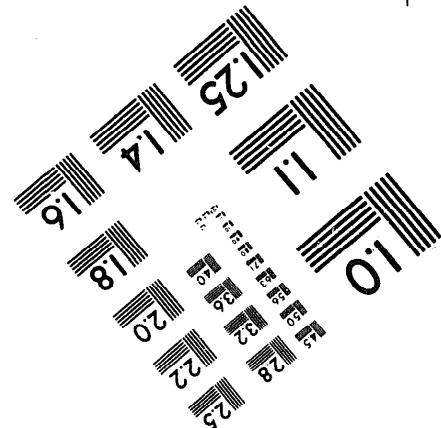
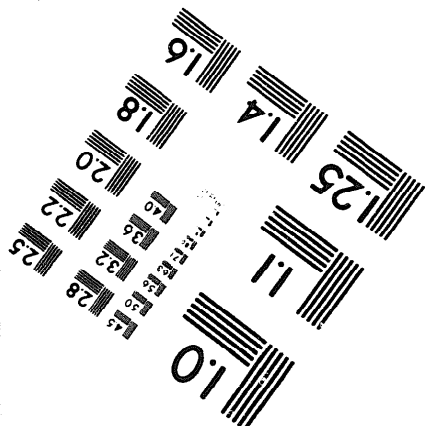
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2.5 mm (e= 1.77 mm)

ABCDEFGHIJKLMN OPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890 \$c£ / % # 1/2 1/4 3/4 — = + x & @ *



200 MM



250 MM