

TECHNICAL MANUAL

**ILLUSTRATED PARTS BREAKDOWN
DISC CONTROLLER-DRIVE GROUP**

O L - 1 6 9 / U Y Q

P A R T N U M B E R 1 0 4 0 9 3

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**HEADQUARTERS, DEPARTMENT OF THE ARMY
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HEADQUARTERS
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29-134 (1)
29-136 (1)
29-207 (2)
29-610 (2)
Acct # MO497 (2)
" # DO741 (1)
" # HO534 (1)
" # AOO49 (1)
" # SO392 (3)
" # JO861 (10)
" # CO214 (2)

NG: NONE

USAR: NONE

For explanation of abbreviations see, AR 310-50.

ILLUSTRATED PARTS BREAKDOWN TECHNICAL MANUAL

DISC CONTROLLER - DRIVE GROUP

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DISC CONTROLLER - DRIVE GROUP
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 Disc Controller - Drive Group, 104093, a **reparate 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 and 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 (NHA) or **main** group is shown either by indention or by figure cross-reference **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 **idfferent** 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 number 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

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.

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1-3.4.1 Indention. 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 indention 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 NRA (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.

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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 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.

1-4. 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 II (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 alphanumerical 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 (GAPL) **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)

Table 1-1. MANUFACTURERS' CODE LIST

CODE	MANUFACTURERS NAME AND ADDRESS
00779	Amp Inc. P.O. Box 3608 Harrisburg, PA 17105
00853	Sangamo Electric Co. S. Carolina Div. P.O. Box 128 Pickena, SC 29671
01295	Texas Instruments, Inc. Components Group Dallas, TX 75201
02288	Allied Control Co. Inc. 100 Relay Road Plantsville, CT 06479
03508	General Electric Co. Semi-Conductor Products Dept. Electronics Park Syracuse, NY 13201
04713	Motorola Inc. Semiconductor Products Div. 5005 E. McDowell Road Phoenix, AZ 85008
05574	Viking Industries Inc. 21001 Nordhoff Chatsworth, CA 91311
06382	Roll Forming Corp. Industrial Park Shelbyville, KY 40065
07263	Fairchild Semiconductor A Division of Fairchild Camera and Instrument Corp. 464 Ellis Street Mountain View, CA 94040
07707	USM Corporation USM Fastener Div. 510 River Road Shelton, CT 06484
08524	Deutsch Fastener Corp. P.O. Box 92925 7001 West Imperial Hwy. Los Angeles, CA 90045

Table 1-1. MANUFACTURERS' CODE LIST

CODE	MANUFACTURERS NAME AND ADDRESS
00779	Amp Inc. P.O. Box 3608 Harrisburg, PA 17105
00853	Sangamo Electric Co. S. Carolina Div. P.O. Box 128 Pickens, SC 29671
01295	Texas Instruments, Inc. Components Group Dallas, TX 75201
02288	Allied Control Co. Inc. 100 Relay Road Plantsville, CT 06479
03508	General Electric Co. Semi-Conductor Products Dept. Electronics Park Syracuse, NY 13201
04713	Motorola Inc. Semiconductor Products Div. 5005 E. McDowell Road Phoenix, AZ 85008
05574	Viking Industries Inc. 21001 Nordhoff Chatsworth, CA 91311
06382	Roll Forming Corp. Industrial Park Shelbyville, KY 40065
07263	Fairchild Semiconductor A Division of Fairchild Camera and Instrument Corp. 464 Ellis Street Mountain View, CA 94040
07707	USM Corporation USM Fastener Div. 510 River Road Shelton, CT 06484
08524	Deutsch Fastener Corp. P.O. Box 92925 7001 West Imperial Hwy. Los Angeles, CA 90045

Table 1-1. MANUFACTURERS' CODE LIST (Cont'd)

CODE	MANUFACTURERS NAME AND ADDRESS
09922	Burndy Corp. Richards Avenue Norwalk, CT 06484
13511	Bunker Ramo Corp. The Amphenol Connector Div. Los Gatos, CA 95030
14655	Cornell-Dubilier Electronics Div. Federal Pacific Electric Co. Newark, NJ 07101
14752	Electro Cube Inc. 1710 S. Del Mar Ave. San Gabriel, CA 91776
16599	Standard Precision Inc. Accuride Div. 12311 S. Shoemaker Ave. Santa Fe Springs. CA 90607
18324	Signetics Corp. 811 E. Arques Sunnyvale, CA 94086
22526	Berg Electronics Inc. Youk Expressway New Cumberland, PA 17070
23726	Richlo Mfg. Co. 5104 S. Presa San Antonio, TX 78223
27014	National Semi-Conductor Corp. 2950 San Ysidro Way Santa Clara, CA 95051
28520	Heyman Mfg. Co. 147 N. Michigan Ave. Kenilworth, NJ 07033
33809	Texas Instruments Inc. P.O. Box 5012 13500 N. Central Expressway Dallas, TX 75222
52403	GTE Information Systems 5300 La Palms Ave. (East) Anaheim, CA 92806

SECTION II
GROUP ASSEMBLY PARTS LIST

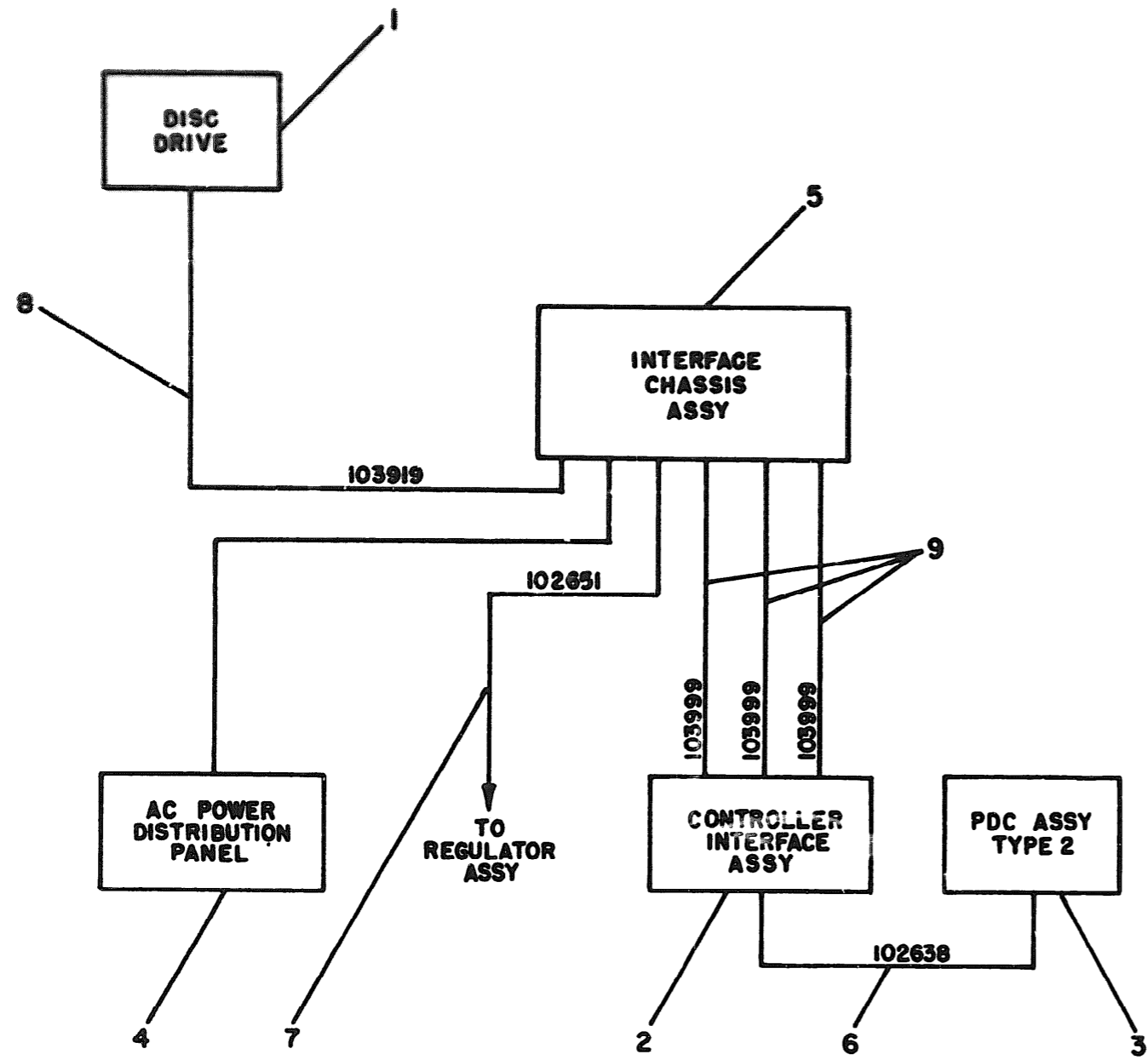


Figure 1. Disc Controller - Drive Group

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
1			DISC CONTROLLER - DRIVE GROUP	104093		1	
-1	A1		. DISC DRIVE (PARTS BREAKDOWN UNDER SEPARATE COVER)	350199		1	
-2	A2		. CIRCUIT CARD ASSEMBLY, CONTROLLER INTERFACE (SEE FIGURE 2 FOR BREAKDOWN) .	104095		1	
-3	A3		. PROGRAMMABLE DEVICE CONTROLLER ASSEMBLY - TYPE 2 (SEE FIGURE 3 FOR BREAKDOWN)	104104		1	
-4	A4		. AC POWER DISTRIBUTION PANEL (SEE FIGURE 4 FOR BREAKDOWN)	101335		1	
-5	A5		. CHASSIS ASSEMBLY, HIGH CAPACITY DISC INTERFACE (SEE FIGURE 5 FOR BREAKDOWN)	103982		1	
-6	A6		. CABLE ASSEMBLY, INTERCONNECT (SEE FIGURE 12 FOR BREAKDOWN)	102638		1	
-7	A7		. CABLE ASSEMBLY, POWER SEQUENCE (SEE FIGURE 13 FOR BREAKDOWN)	102651		1	
-8	A8		. CABLE ASSEMBLY, SIGNAL (SEE FIGURE 14 FOR BREAKDOWN)	103919		1	
-9	A9		. CABLE ASSEMBLY, HIGH CAPACITY DISC (SEE FIGURE 15 FOR BREAKDOWN) . . .	103999		1	
			. SAME AS A9			1	
			. SAME AS A9			1	

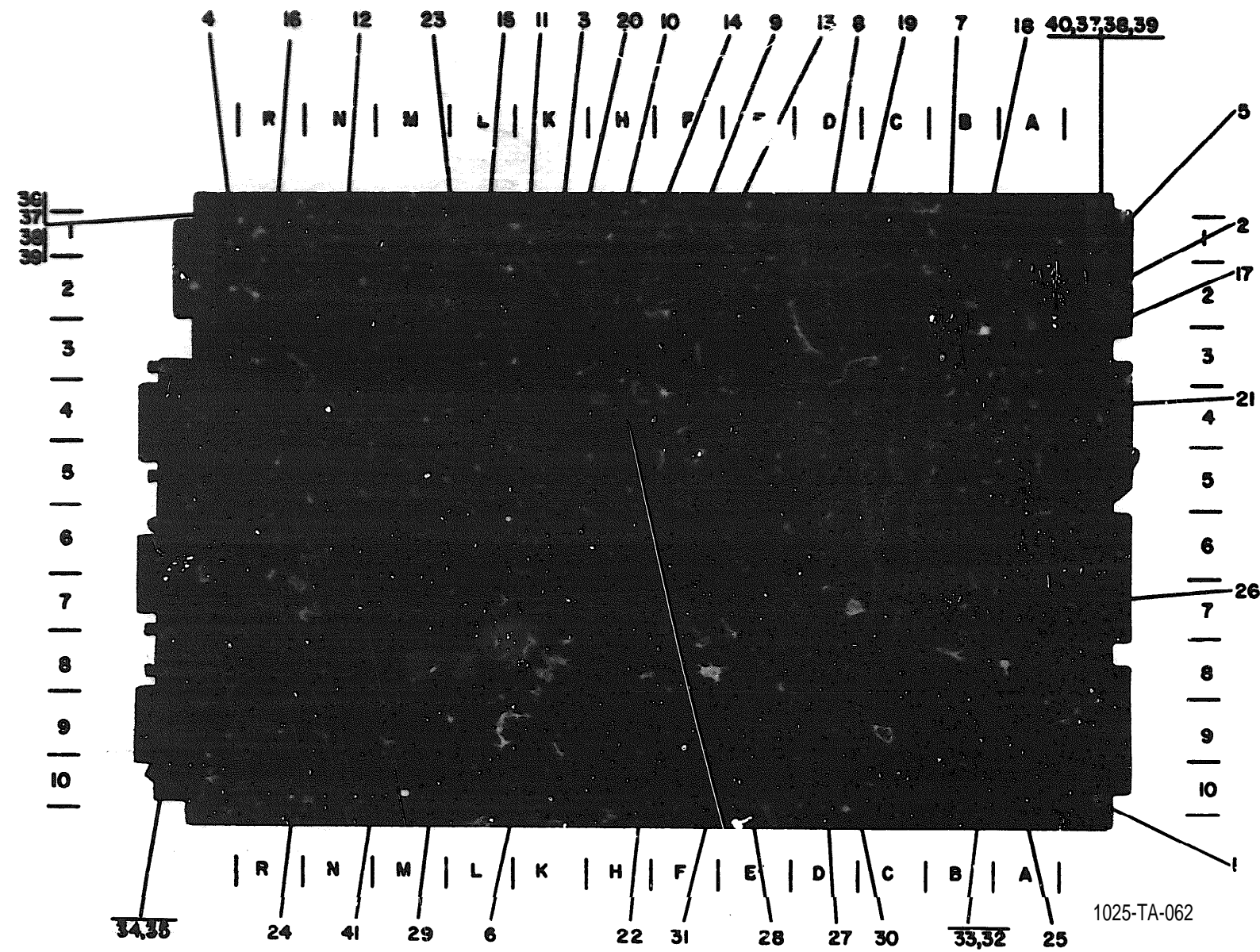


Figure 2. Circuit Card Assembly, Controller Interface

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
2	A2		CIRCUIT CARD ASSEMBLY, CONTROLLER INTERFACE (SEE FIGURE 1-2 FOR NHA) .	104095		REF	
-1	C1	10A	. CAPACITOR, FIXED, ELECTROLYTIC, 18MF, 10%, 10V	CSR13D186KM	81349	1	
-2	C2	2A	. CAPACITOR, FIXED, CERAMIC, 0.01MF, +80%, -20%, 100V	805-000Z5V-103Z	72982	1	
	C3	3A	. SAME AS C2			1	
	C4	4A	. SAME AS C2			1	
	C5	5A	. SAME AS C2			1	
	C6	8A	. SAME AS C2			1	
	C7	2B	. SAME AS C2			1	
	C8	5B	. SAME AS C2			1	
	C9	8B	. SAME AS C2			1	
	C10	2C	. SAME AS C2			1	
	C11	5C	. SAME AS C2			1	
	C12	8C	. SAME AS C2			1	
	C13	2D	. SAME AS C2			1	
	C14	5D	. SAME AS C2			1	
	C15	8D	. SAME AS C2			1	
	C16	9D	. SAME AS C2			1	
	C17	2E	. SAME AS C2			1	
	C18	5E	. SAME AS C2			1	
	C19	8E	. 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
2	C20	2F	. SAME AS C2	DM15-101J	72136	1	
	C21	5F	. SAME AS C2			1	
	C22	8F	. SAME AS C2			1	
	C23	2H	. SAME AS C2			1	
	C24	5H	. SAME AS C2			1	
	C25	8H	. SAME AS C2			1	
-3	C26	2K	. SAME AS C2			1	
	C27	3K	. CAPACITOR, FIXED, MICA, 100 PF, +5%, 500V			1	
	C28	5K	. SAME AS C2			1	
	C29	8K	. SAME AS C27			1	
	C30	8K	. SAME AS C2			1	
	C31	2L	. SAME AS C2			1	
	C32	5L	. SAME AS C2			1	
	C33	8L	. SAME AS C2			1	
	C34	2M	. SAME AS C2			1	
	C35	5M	. SAME AS C2			1	
	C36	8M	. SAME AS C2			1	
	C37	2N	. SAME AS C2			1	
	C38	5N	. SAME AS C2			1	
	C39	8N	. SAME AS C2			1	
	C40	2R	. SAME AS C2			1	
	C41	5R	. SAME AS C2			1	
	C42	8R	. 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
2	C43	9R	. SAME AS C2			1	
-4	C44	2R	. CAPACITOR, FIXED, ELECTROLYTIC, 22MF, +10%, 20V	CSR13F226KM	81349	1	
	C45	3R	. SAME AS C44			1	
	C46	1R	. SAME AS C1			1	
	C47	3K	. SAME AS C27			1	
-5	R1	2A	. RESISTOR, FIXED, FILM, 2.2K, +5%, 1/4W	RL07S222J		1	
	R2	10B	. SAME AS R1			1	
	R3	6B	. SAME AS R1			1	
	R4	10E	. SAME AS R1			1	
	R5	4E	. SAME AS R1			1	
	R6	8K	. SAME AS R1			1	
-6	R7	8K	. RESISTOR, FIXED, FILM, 6.8K, +5%, 1/4W	RL07S682J	81349	1	
	R8	3K	. SAME AS R7			1	
	R9	3K	. SAME AS R7			1	
	R10	2K	. SAME AS R1			1	
-7	U1	1B	. INTEGRATED CIRCUIT, DIGITAL, QUAD D-TYPE FLIP FLOP WITH CLEAR	SN74175N	01295	1	
	U2	1C	. SAME AS U1			1	
-8	U3	1D	. INTEGRATED CIRCUIT, DIGITAL, QUAD 2-INPUT POSITIVE - AND GATE	SN7408N	01295	1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident.	Units Per Assy	Usable on Code
2 -9	U4	1F	. INTEGRATED CIRCUIT DIGITAL, QUAD 2-INPUT POSITIVE - NAND GATE . .	SN7400N	01295	1	
-10	U5	1H	. INTEGRATED CIRCUIT, DIGITAL, DUAL J-K MASTER SLAVE FLIP-FLOP	SN74107N	01295	1	
-11	U6	1K	. INTEGRATED CIRCUIT, DIGITAL, DUAL J-K EDGE- TRIGGERED FLIP-FLOP (COMMON CLOCK)	SN74H108N		1	
	U7	1L	. SAME AS U3			1	
	U8	1M	. SAME AS U4			1	
-12	U9	1N	. INTEGRATED CIRCUIT, DIGITAL, DUAL D-TYPE EDGE-TRIGGERED FLIP-FLOP.	SN7474N	01295	1	
	U10	2A	. SAME AS U9			1	
	U11	1C	. SAME AS U1			1	
	U12	2C	. SAME AS U1			1	
	U13	2D	. SAME AS U5			1	
	U14	2E	. SAME AS U9			1	
-13	U15	2F	. INTEGRATED CIRCUIT, DIGITAL, TRIPLE 3-INPUT POSITIVE - NAND GATE . .	SN7410N	01295	1	
-14	U16	2H	. INTEGRATED CIRCUIT, DIGITAL, 8-INPUT POSITIVE - NAND GATE . .	SN7430N	01295	1	
	U17	2K	. SAME AS U9			1	
-15	U18	2L	. INTEGRATED CIRCUIT, DIGITAL, QUAD 2-INPUT POSITIVE - NOR GATE . .	SN7402N	01295	1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
2	U19	2M	. SAME AS U1			1	
	U20	2N	. SAME AS U1			1	
-16	U21	2R	. INTEGRATED CIRCUIT, DIGITAL, QUAD 2-INPUT EXCLUSIVE OR GATE . . .	SN7486N	01295	1	
-17	U22	3A	. NETWORK, HYBRID CIRCUIT, 14 PIN DUAL, R1 = 200 OHMS; R2 = 300 OHMS	830095		1	
-18	U23	3B	. INTEGRATED CIRCUIT, DIGITAL, HEX INVERTER . .	SN7404N	01295	1	
	U24	3C	. SAME AS U3			1	
-19	U25	3D	. INTEGRATED CIRCUIT, DIGITAL, SYNCHRONOUS 4-BIT BINARY COUNTER WITH DIRECT CLEAR	SN74161N	01295	1	
	U26	3E	. SAME AS U5			1	
	U27	3F	. SAME AS U5			1	
	U28	3H	. SAME AS U15			1	
-20	U29	3K	. INTEGRATED CIRCUIT, DIGITAL, MULTIVIBRATOR VARIABLE TIME DELAY. . .	SN74221N	01295	1	
	U30	3L	. SAME AS U23.			1	
	U31	3M	. SAME AS U1			1	
	U32	3N	. SAME AS U1			1	
	U33	3R	. SAME AS U21.			1	
	U34	4A	. SAME AS U22.			1	
	U35	4B	. SAME AS U23.			1	
	U36	4C	. SAME AS U23.			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
2 -21	U37	4D	. INTEGRATED CIRCUIT, DIGITAL, BCD - TO - DECIMAL DECODER	SN7442N	Ø1295	1	
	U38	4E	. SAME AS U9			1	
-22	U39	4F	. INTEGRATED CIRCUIT, DIGITAL, DUAL 4-INPUT POSITIVE - NAND GATE . . .	SN742ØN	Ø1295	1	
	U4Ø	4H	. SAME AS U15			1	
	U41	1F	. SAME AS U4			1	
-23	U42	4L	. INTEGRATED CIRCUIT, DIGITAL, QUAD 2- LINE- TO-1-LINE DATA SELECTOR/ MULTIPLEXERS	SN74157N	Ø1295	1	
	U43	4M	. SAME AS U42			1	
-24	U44	4N	. INTEGRATED CIRCUIT, DIGITAL, QUAD 2-INPUT POSITIVE- NAND BUFFER (OPEN COLLECTOR)	SN7438N	Ø1295	1	
	U45	4R	. SAME AS U44			1	
	U46	5A	. SAME AS U22			1	
	U47	5B	. SAME AS U23			1	
	U48	5C	. SAME AS U4			1	
	U49	5D	. SAME AS U23			1	
	U5Ø	5H	. SAME AS U39			1	
	U51	5H	. SAME AS U16			1	
	U52	5K	. SAME AS U4			1	
	U53	5L	. SAME AS U42			1	
	U54	5M	. SAME AS U42			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code	
2	U55	5M	. SAME AS U44			1		
	U56	5R	. SAME AS U44			1		
	U57	6A	. SAME AS U23			1		
	-25	U58	6B	. INTEGRATED CIRCUIT, DIGITAL, 4 BIT MAGNITUDE COMPARATOR	SN7485N	Ø1295	1	
		U59	6D	. SAME AS U39			1	
		U6Ø	6E	. SAME AS U23			1	
		U61	6F	. SAME AS U1			1	
		U62	6H	. SAME AS U39			1	
		U63	6K	. SAME AS U23			1	
		U64	6L	. SAME AS U42			1	
		U65	6M	. SAME AS U42			1	
		U66	6N	. SAME AS U23			1	
		U67	6R	. SAME AS U22			1	
	-26	U68	7A	. INTEGRATED CIRCUIT, DIGITAL, DATA SELECTORS/ MULTIPLEXER	SN74151AN	Ø1295	1	
U69		7B	. SAME AS U3			1		
U7Ø		7C	. SAME AS U68			1		
-27	U71	7D	. INTEGRATED CIRCUIT, DIGITAL, 64 BIT READ- WRITE MEMORY	SN7489N	738Ø3	1		
-28	U72	7E	. INTEGRATED CIRCUIT, DIGITAL, 4-LINE-TO-16 LINE (1 OF 16) DECODER/ MULTIPLEXER	SN74154N	Ø1295	1		

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
2	U73	7H	. SAME AS U3			1	
	U74	7K	. SAME AS U9			1	
	U75	7L	. SAME AS U1			1	
	U76	7M	. SAME AS U1			1	
	U77	7N	. SAME AS U23			1	
	U78	7R	. SAME AS U22			1	
	U79	8A	. SAME AS U68			1	
	U80	8B	. SAME AS U44			1	
	U81	8C	. SAME AS U68			1	
	U82	8D	. SAME AS U71			1	
	U83	8E	. SAME AS U16			1	
	U84	8F	. SAME AS U15			1	
	U85	8H	. SAME AS U4			1	
	U86	8K	. SAME AS U29			1	
-29	U87	8L	. NETWORK, HYBRID CIRCUIT .	800201		1	
	U88	8N	. SAME AS U44			1	
	U89	8R	. SAME AS U23			1	
	U90	9A	. SAME AS U68			1	
	U91	9B	. SAME AS U4			1	
	U92	9C	. SAME AS U68			1	
-30	U93	9D	. NETWORK, HYBRID CIRCUIT, 14 PIN PULL-UP PULL-DOWN, R1 = 680 OHMS	830096		1	
	U94	9E	. SAME AS U23			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
2	U95	9F	. SAME AS U23			1	
	U96	9H	. SAME AS U39			1	
	U97	9N	. SAME AS U23			1	
	U98	9R	. SAME AS U22			1	
	U99	10A	. SAME AS U68			1	
	U100	10C	. SAME AS U68			1	
-31	U101	10E	. INTEGRATED CIRCUIT, DIGITAL, 8 BIT PARALLEL- IN, PARALLEL-OUT BIDIREC- TIONAL SHIFT REGISTER . .	SN74198N	01295	1	
	U102	10H	. SAME AS U16			1	
-32	X1	10B	. SOCKET, PLUG-IN	C931402	73803	1	
-33	XTP1	10B	. HEADER	614DG5	91506	1	
-34			. BRACKET, CONNECTOR MOUNTING	101625		6	
-35			(ATTACHING PART) . RIVET, BLIND ----*----	AD42ABS	07707	6	
-36			. STIFFENER (ATTACHING PARTS)	101823		1	
-37			. SCREW, MACHINE	MS51957-17	96906	3	
-38			. WASHER, FLAT	MS15795-804	96906	3	
-39			. WASHER, LOCK ----*----	MS35338-135	96906	3	
-40			. STIFFENER (ATTACHING PARTS)	101897		1	
			. SCREW, MACHINE	MS51957-17	96906	3	
			. WASHER, FLAT	MS15795-804	96906	3	
			. WASHER, LOCK ----*----	MS35338-135	96906	3	
-41			. PRINTED WIRING BOARD. .	104094		1	

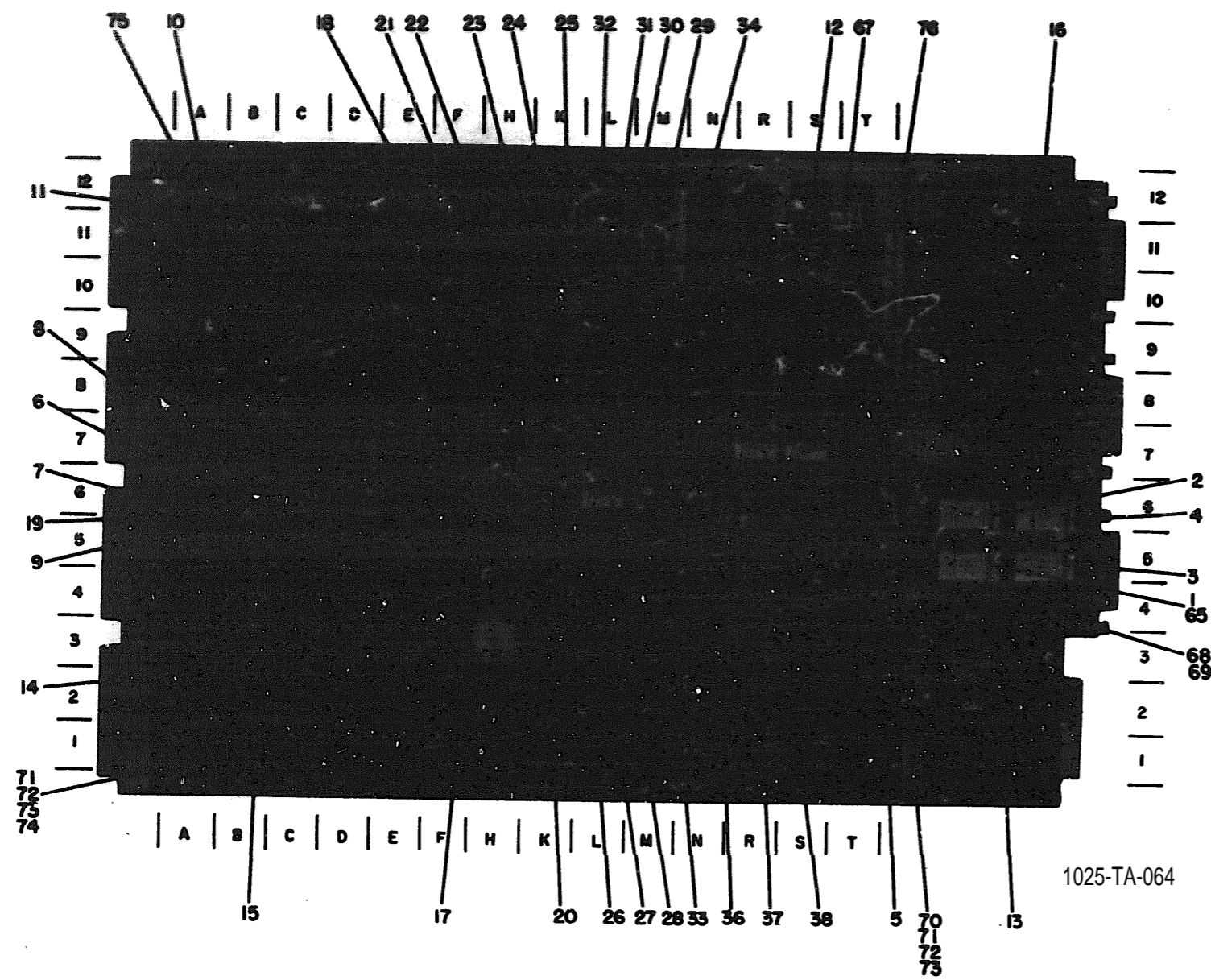
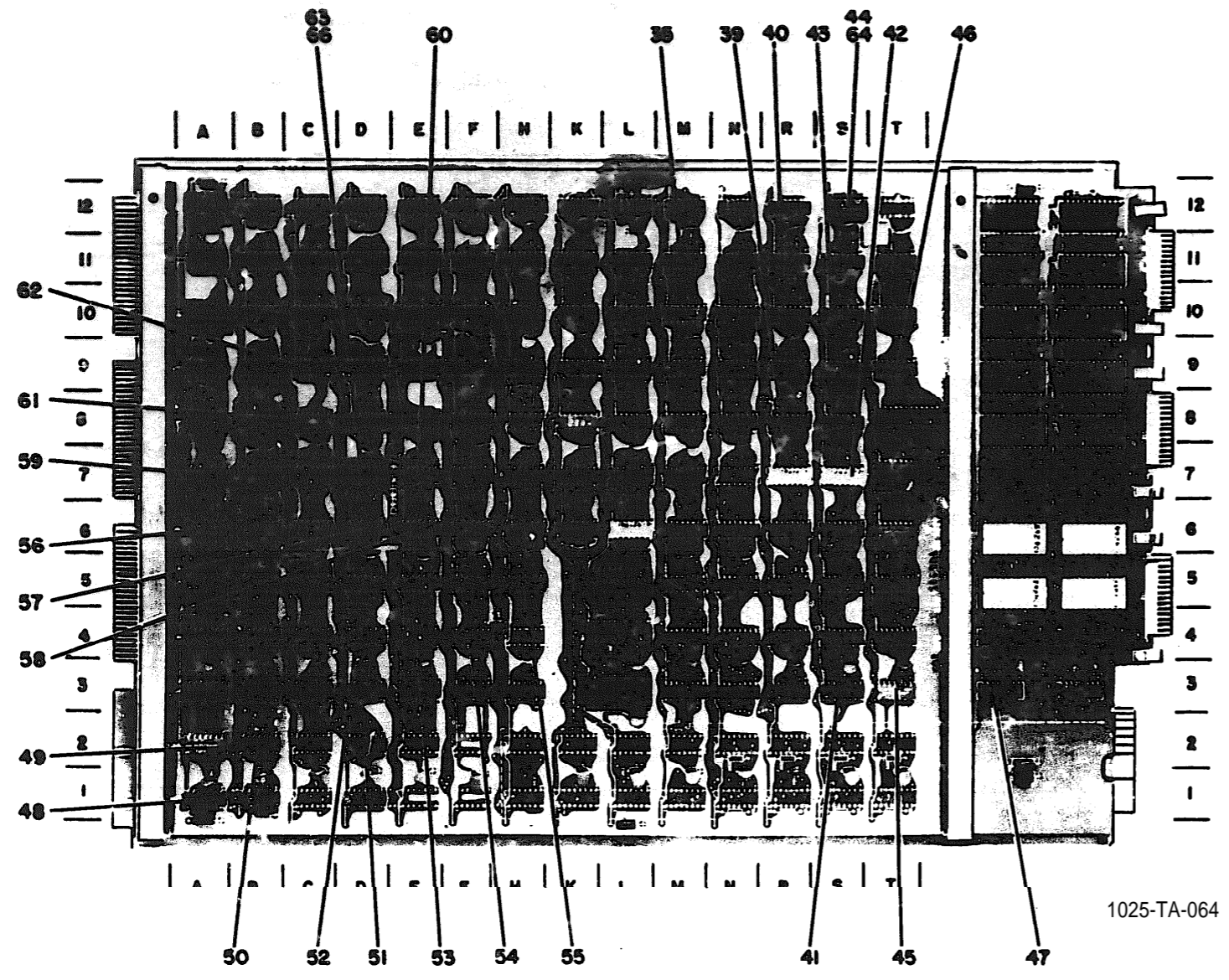


Figure 3. Programmable Device Controller Assembly - Type 2 (Sheet 1 of 2)

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
3	A3		PROGRAMMABLE DEVICE CONTROLLER ASSEMBLY - TYPE 2 (SEE FIGURE 1-3 FOR NHA) .	104104		REF	
-1	U70		. INTEGRATED CIRCUIT, TWO-SEGMENT ROM, HCD . . .	104263-01		1	
-2	U71		. INTEGRATED CIRCUIT, FOUR-SEGMENT ROM, HCD . . .	104265		1	
-3	U80		. INTEGRATED CIRCUIT, ONE-SEGMENT ROM, HCD . . .	104262-01		1	
-4	U81		. INTEGRATED CIRCUIT, THREE-SEGMENT ROM, HCD . . .	104264		1	
-5			. CIRCUIT CARD ASSEMBLY, PROGRAMMABLE DEVICE CONTROLLER - TYPE 2	104103		1	
-6	C2	6A	.. CAPACITOR, FIXED, MICA, 100PF, +5%, 500V . . .	DM15-101J	72136	1	
-7	C3	6A	.. CAPACITOR, FIXED, MICA, 220PF, +5%, 500V . . .	CD15FD221J03	14655	1	
-8	C4	6B	.. CAPACITOR, FIXED, MICA, 120PF, +5%, 500V . . .	DM15-121J	72136	1	
-9	C5	6B	.. CAPACITOR, FIXED, MICA, 270PF, +5%, 500V . . .	D155F271J	00853	1	
-10	C6	12A	.. CAPACITOR, FIXED, ELECTROLYTIC, 18MF, +10%, 10V	CSR13D186KM	81349	1	
	C7	1A	.. SAME AS C6			1	
	C8	12L	.. SAME AS C6			1	
	C9	1L	.. SAME AS C6			1	
	C10		.. SAME AS C6			1	
	C11		.. SAME AS C6			1	



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Figure 3. Programmable Device Controller Assembly - Type 2 (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
3	C12		.. SAME AS C6			1	
-11	C13	12A	.. CAPACITOR, FIXED, CERAMIC, 0.01MF, +80%, - 20%, 100V . .	805-00025V0-1032	72982	1	
	C14	9A	.. SAME AS C13			1	
	C15	7A	.. SAME AS C13			1	
	C16	5A	.. SAME AS C13			1	
	C17	4A	.. SAME AS C13			1	
	C18	1A	.. SAME AS C13			1	
	C19	11B	.. SAME AS C13			1	
	C20	9B	.. SAME AS C13			1	
	C21	7B	.. SAME AS C13			1	
	C22	5B	.. SAME AS C13			1	
	C23	3B	.. SAME AS C13			1	
	C24	1B	.. SAME AS C13			1	
	C25	11C	.. SAME AS C13			1	
	C26	9C	.. SAME AS C13			1	
	C27	7C	.. SAME AS C13			1	
	C28	5C	.. SAME AS C13			1	
	C29	3C	.. SAME AS C13			1	
	C30	1B	.. SAME AS C13			1	
	C31	11D	.. SAME AS C13			1	
	C32	9D	.. SAME AS C13			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
3	C33	7D	.. SAME AS C13			1	
	C34	5D	.. SAME AS C13			1	
	C35	3D	.. SAME AS C13			1	
	C36	1D	.. SAME AS C13			1	
	C37	11E	.. SAME AS C13			1	
	C38	9E	.. SAME AS C13			1	
	C39	7E	.. SAME AS C13			1	
	C40	5E	.. SAME AS C13			1	
	C41	3E	.. SAME AS C13			1	
	C42	1E	.. SAME AS C13			1	
	C43	11F	.. SAME AS C13			1	
	C44	9F	.. SAME AS C13			1	
	C45	7F	.. SAME AS C13			1	
	C46	5F	.. SAME AS C13			1	
	C47	3F	.. SAME AS C13			1	
	C48	1F	.. SAME AS C13			1	
	C49	11H	.. SAME AS C13			1	
	C50	9H	.. SAME AS C13			1	
	C51	7H	.. SAME AS C13			1	
	C52	6H	.. SAME AS C13			1	
	C53	3H	.. SAME AS C13			1	
	C54	1H	.. SAME AS C13			1	
	C55	12K	.. SAME AS C13			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy
3	C56	9 K	. SAME AS C13			1
	C57	7K	.. SAME AS C13			1
	C58	6K	.. SAME AS C13			1
	C59	1K	.. SAME AS C13			1
	C60	12L	.. SAME AS C13			1
	C61	9L	.. SAME AS C13			1
	C62	7L	.. SAME AS C13			1
	C63	6L	.. SAME AS C13			1
	C64	4L	.. SAME AS C13			1
	C65	3L	.. SAME AS C13			1
	C66	3L	.. SAME AS C13			1
	C67	1L	.. SAME AS C13			1
	C68	12M	.. SAME AS C13			1
	C69	9M	.. SAME AS C13			1
	C70	7M	.. SAME AS C13			1
	C71	5M	.. SAME AS C13			1
	C72	3M	.. SAME AS C13			1
	C73	1M	.. SAME AS C13			1
	C74	12N	.. SAME AS C13			1
	C75	9N	.. SAME AS C13			1
	C76	7N	.. SAME AS C13			1
	C77	5N	.. SAME AS C13			1
	C78	4N	.. SAME AS C13			1

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
3	C79	1N	.. SAME AS C13			1	
	C80	12R	.. SAME AS C13			1	
	C81	9R	.. SAME AS C13			1	
	C82	8R	.. SAME AS C13			1	
	C83	5R	.. SAME AS C13			1	
	C84	3R	.. SAME AS C13			1	
	C85	1R	.. SAME AS C13			1	
	C86	12S	.. SAME AS C13			1	
	C87	9S	.. SAME AD C13			1	
	C88	8S	.. SAME AS C13			1	
	C89	5S	.. SAME AS C13			1	
	C90	3S	.. SAME AS C13			1	
	C91	1S	.. SAME AS C13			1	
	C92	12T	.. SAME AS C13			1	
	C93	9T	.. SAME AS C13			1	
	C94	7T	.. SAME AS C13			1	
	C95	6T	.. SAME AS C13			1	
	C96	5T	.. SAME AS C13			1	
	C97	3T	.. SAME AS C13			1	
	C98	1T	.. SAME AS C13			1	
	C99		.. SAME AS C13			1	
	C100		.. SAME AS C13			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
3	C101		.. SAME AS C13			1	
	C102		.. SAME AS C13			1	
	C103		.. SAME AS C13			1	
	C104		.. SAME AS C13			1	
	C105		.. SAME AS C13			1	
	C106		.. SAME AS C13			1	
	C107		.. SAME AS C13			1	
	C108		.. SAME AS C13			1	
-12	L1	12S	.. INDUCTOR, 1.8 MICROHENRY, +10%	70F186A1	76493	1	
-13	R1		.. RESISTOR, FIXED, FILM, 680 OHMS, +5%, 1/4W .	RL07S681J	81349	1	
-14	R2	3B	.. RESISTOR, FIXED, FILM, 200 OHMS, +5%, 1/4W .	RL07S201J	81349	1	
-15	R3	3B	.. RESISTOR, FIXED, FILM, 300 OHMS, +5%, 1/4W .	RL07S301J	81349	1	
	R4	1B	.. SAME AS R1			1	
	R5	10T	.. SAME AS R1			1	
	R6	12K	.. SAME AS R1			1	
-16	R7		.. RESISTOR, FIXED, FILM, 3.9K, +5%, 1/4W . . .	RL07S392J	81349	1	
	R8	5F	.. SAME AS R1			1	
-17	R9	4F	.. RESISTOR, FIXED, FILM, 3.3K, +5%, 1/4W . . .	RL07S332J	81349	1	
	R10	5A	.. 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
3	R11	9H	.. SAME AS R9			1	
-18	R12	9H	.. RESISTOR, FIXED, FILM, 100 OHMS, +2%, 1/8W . .	RL05C101GR	81349	1	
	R13	12C	.. SAME AS R1			1	
-19	R14	6A	.. RESISTOR, FIXED, FILM, 2.74K, +1%, 1/4W . . .	RN55D2741F	81349	1	
	R15	6A	.. SAME AS R14			1	
	R16	6B	.. SAME AS R14			1	
	R17	6B	.. SAME AS R14			1	
	R18	8B	.. SAME AS R 1			1	
-20	U1	6K	.. INTEGRATED CIRCUIT, DIGITAL, HEX INVERTER .	SN74H04N	01295	1	
-21	U2	7K	.. INTEGRATED CIRCUIT, DIGITAL, EXPANDABLE 2-2-2-3-INPUT AND-OR- INVERTER GATE	SN74H53N	01295	1	
-22	U3	8K	.. INTEGRATED CIRCUIT, DIGITAL, DUAL 4-INPUT- TO-1-LINE SELECTOR/ MULTIPLEXER	SN74S153N	01295	1	
-23	U4	9K	.. INTEGRATED CIRCUIT, DIGITAL, DUAL 4-LINE-TO- 1 LINE DATA SELECTOR/ MULTIPLEXER	SN74153N	01295	1	
	U5	10K	.. SAME AS U1			1	
-24	U6	11K	.. INTEGRATED CIRCUIT, DIGITAL, DUAL 4-INPUT POSITIVE NAND GATE . .	SN74H20N	01295	1	
-25	U7	12K	.. INTEGRATED CIRCUIT, DIGITAL, DUAL D-TYPE EDGE-TRIGGERED FLIP- FLOP	SN74H74N	33809	1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
3 -26	U8	3K	.. INTEGRATED CIRCUIT, DIGITAL, 4-BIT ARITHMETIC LOGIC UNIT AND FUNCTION GENERATOR . .	SN 81N	Ø1295	1	
-27	U9	4K	.. INTEGRATED CIRCUIT, DIGITAL, 8-BIT PARALLEL-IN, PARALLEL-OUT SHIFT REGISTER (J-K INPUTS TO FIRST STAGE)	SN74198N	Ø1295	1	
	U1Ø	5K	.. SAME AS U8			1	
-28	U11	6L	.. INTEGRATED CIRCUIT, ARITHMETIC LOGIC UNIT (ALU) ROM	1Ø4224-Ø1		1	
-29	U12	7L	.. INTEGRATED CIRCUIT, DIGITAL, QUAD 2-TO-1-LINE DATA SELECTOR/MULTIPLEXER (NON-INVERTING)	SN74157N	Ø1295	1	
	U13	8L	.. SAME AS U7			1	
-3Ø	U14	9L	.. INTEGRATED CIRCUIT, QUADRUPLE 2-INPUT POSITIVE NAND GATE . .	N74HØØA	Ø1295	1	
-31	U15	1ØL	.. INTEGRATED CIRCUIT, DIGITAL, DUAL J-K EDGE-TRIGGERED FLIP-FLOP (COMMON CLOCK)	SN74H1Ø8N	Ø1295	1	
	U16	11L	.. SAME AS U14				
-32	U17	12L	.. INTEGRATED CIRCUIT, DIGITAL, TRIPLE 3-INPUT POSITIVE NAND GATE . .	SN74H1ØN	Ø1295	1	
	U18	3M	.. SAME AS U4			1	
	U19	4M	.. SAME AS U4			1	
	U2Ø	5M	.. SAME AS U4			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
3	U21	6M	.. SAME AS U4			1	
	U22	7M	.. SAME AS U12			1	
-33	U23	8M	.. INTEGRATED CIRCUIT, DIGITAL, 8-BIT DATA SELECTOR/MULTIPLEXER WITH STROBE	SN74151AN	Ø1295	1	
-34	U24	9M	.. INTEGRATED CIRCUIT, DIGITAL, DUAL 4-INPUT NOR GATE WITH STROBE .	SN7425N	Ø1295	1	
	U25	1ØM	.. SAME AS U23			1	
-35	U26	11M	.. INTEGRATED CIRCUIT, DIGITAL, QUAD 2-INPUT POSITIVE-NAND GATE . .	SN74SØØN	Ø1295	1	
	U27	12M	.. SAME AS U14			1	
	U28	3N	.. SAME AS U4			1	
	U29	4N	.. SAME AS U4			1	
	U3Ø	5N	.. SAME AS U4			1	
	U31	6N	.. SAME AS U4			1	
	U33	8N	.. SAME AS U6			1	
	U34	9N	.. SAME AS U17			1	
-36	U35	1ØN	.. INTEGRATED CIRCUIT, DIGITAL, QUAD D-TYPE FLIP-FLOP WITH CLEAR .	SN74175N	Ø1295	1	
	U36	11N	.. SAME AS U1			1	
	U37	12N	.. SAME AS U17			1	
	U38	3R	.. SAME AS U1			1	
	U39	4R	.. SAME AS U1			1	
	U4Ø	5R	.. SAME AS U1			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
3 - 37	U41	6 R	.. INTEGRATED CIRCUIT, DIGITAL, SYNCHRONOUS UP/DOWN 4-BIT BINARY COUNTER (SINGLE CLOCK LINE)	SN74191N	Ø1295	1	
-38	U42	7R	.. INTEGRATED CIRCUIT, INSTANTANEOUS DECODE 1, ROM	1Ø4222-Ø1	18324	1	
-39	U43	8R	.. INTEGRATED CIRCUIT, DIGITAL, 3-LINE-TO-8 DECODER/DEMULTIPLXER .	SN74S138N	Ø1295	1	
	U44	9R	.. SAME AS U14			1	
	U45	1ØR	.. SAME AS U7			1	
	U46	11R	.. SAME AS U14			1	
-4Ø	U47	12R	.. TRIPLE 3-INPUT POSITIVE AND GATE	SN74H11N	Ø1295	1	
-41	U48	3S	.. INTEGRATED CIRCUIT, DIGITAL, 64-BIT READ-WRITE MEMORY	SN7489N	738Ø3	1	
	U49	4S	.. SAME AS U48			1	
	U5Ø	5S	.. SAME AS U48			1	
	U51	6S	.. SAME AS U48			1	
-42	U52	7S	.. INTEGRATED CIRCUIT, INSTANTANEOUS DECODE 2 ROM	1Ø4223-Ø1		1	
	U53	8S	.. SAME AS U24			1	
	U54	9S	.. SAME AS U1			1	
-43	U55	1ØS	.. INTEGRATED CIRCUIT, DIGITAL, DUAL 4-INPUT POSITIVE-NAND BUFFER .	SN74H4ØN	Ø1295	1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
3	U56	11S	.. SAME AS U7			1	
-44	U57	12S	.. INTEGRATED CIRCUIT, DIGITAL, MULTIVIBRATOR	SN74S124N	Ø1295	1	
-45	U58	3T	.. NETWORK, HYBRID CIRCUIT, 14 PIN PULL- UP PULL-DOWN, R1 = 68Ø OHMS	83ØØ96		1	
	U59	4T	.. SAME AS U48			1	
	U6Ø	5T	.. SAME AS U48			1	
	U61	6T	.. SAME AS U58			1	
	U62	7T	.. SAME AS U9			1	
	U63	8T	.. SAME AS U9			1	
-46	U64	9T	.. INTEGRATED CIRCUIT, DIGITAL, BCD-TO-DECIMAL DECODER	SN7442N	Ø1295	1	
	U65	1ØT	.. SAME AS U14			1	
	U66	11T	.. SAME AS U14			1	
-47	U68		.. INTEGRATED CIRCUIT, DIGITAL, SYNCHRONOUS 4-BIT BINARY COUNTER WITH DIRECT CLEAR . . .	SN74161N	Ø1295	1	
	U69		.. SAME AS U68			1	
	U78		.. SAME AS U68			1	
	U79		.. SAME AS U68			1	
-48	U88	1A	.. INTEGRATED CIRCUIT, DIGITAL, QUAD 2-INPUT POSITIVE-NAND BUFFER (OPEN COLLECTOR) . . .	SN74S38N	Ø1295	1	
	U89	1B	.. SAME AS U1			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
3	U90	1B	.. SAME AS U88			1	
-49	U91	2A	.. NETWORK, HYBRID CIRCUIT, 14 PIN DUAL, R1 = 200 OHMS, R2 = 300 OHMS .	830095		1	
-50	U92	2B	.. INTEGRATED CIRCUIT, DIGITAL, QUAD 2-INPUT POSITIVE-NAND BUFFER .	SN74S37N	01295	1	
-51	U93	2D	.. INTEGRATED CIRCUIT, DIGITAL, DUAL D-TYPE EDGE-TRIGGERED FLIP- FLOP	SN7474N	01295	1	
	U94	3A	.. SAME AS U88			1	
	U95	3B	.. SAME AS U1			1	
	U96	3C	.. SAME AS U88			1	
	U97	3D	.. SAME AS U88			1	
	U98	3E	.. SAME AS U64			1	
	U99	3F	.. SAME AS U93			1	
	U100	3H	.. SAME AS U47			1	
	U101	4A	.. SAME AS U92			1	
	U102	4B	.. SAME AS U92			1	
	U103	4C	.. SAME AS U1			1	
-52	U104	4D	.. INTEGRATED CIRCUIT, DIGITAL, 50-MHZ PRE- SETTABLE 4-BIT BINARY COUNTERS/LATCHES . . .	SN74197N	33809	1	
-53	U105	4E	.. INTEGRATED CIRCUIT, DIGITAL, QUAD 2-INPUT POSITIVE-AND GATE . .	SN7408N	01295	1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
3 -54	U106	4F	.. INTEGRATED CIRCUIT, DIGITAL, QUAD 2-INPUT POSITIVE-NOR GATE . .	9N02/7402	07263	1	
	U107	5A	.. SAME AS U14			1	
	U108	5B	.. SAME AS U93			1	
	U109	5C	.. SAME AS U14			1	
	U110	5B	.. SAME AS U93			1	
	U111	5E	.. SAME AS U7			1	
	U112	5F	.. SAME AS U93			1	
-55	U113	5H	.. INTEGRATED CIRCUIT, DIGITAL, DUAL 4-INPUT POSITIVE-NAND GATE . .	SN7420N	01295	1	
-56	U114	6A	.. INTEGRATED CIRCUIT, DIGITAL, MULTIVIBRATOR VARIABLE TIME DELAY .	SN74221N	01295	1	
	U115	6B	.. SAME AS U114			1	
	U116	6C	.. SAME AS U93.			1	
-57	U117	6D	.. INTEGRATED CIRCUIT, DIGITAL, HEX INVERTER .	SN7404N	01295	1	
-58	U118	6E	.. INTEGRATED CIRCUIT, DIGITAL, QUAD 2-INPUT POSITIVE-NAND GATE . .	SN7400N	01295	1	
	U119	6D	.. SAME AS U117			1	
	U120	6H	.. SAME AS U12			1	
-59	U121	7A	.. INTEGRATED CIRCUIT, DIGITAL, HEX INVERTER (OPEN COLLECTOR) . . .	SN74H05N	01295	1	
	U122	7B	.. SAME AS U17			1	
	U123	7C	.. SAME AS U117			1	

GROUP ASSEMBLY PARTS LIST

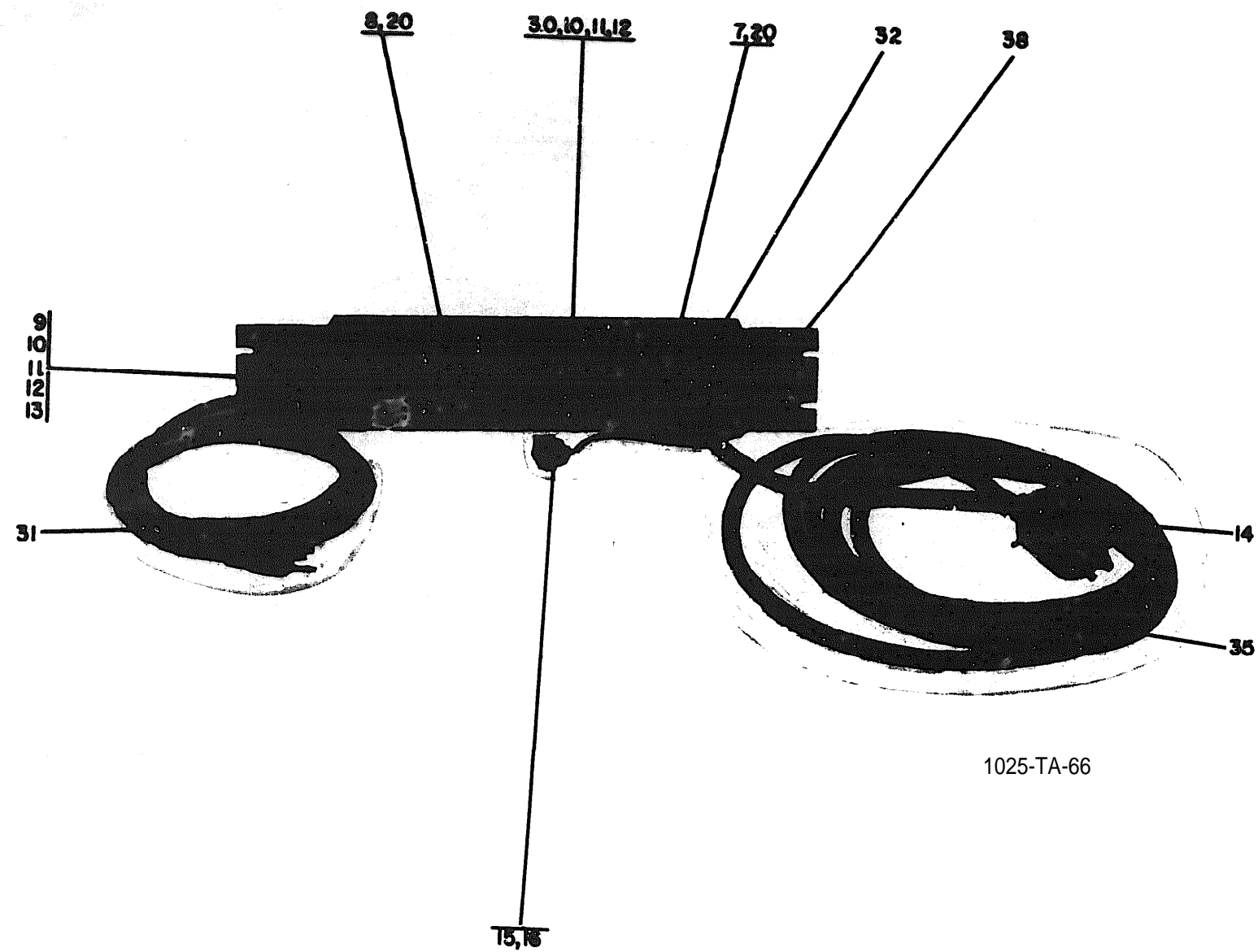
Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
3 -60	U124	7E	.. INTEGRATED CIRCUIT, DIGITAL, 8-INPUT POSITIVE-NAND GATE . .	SN74H30N	01295	1	
	U125	7F	.. SAME AS U64			1	
	U126	7H	.. SAME AS U117			1	
	U127	8A	.. SAME AS U1			1	
-61	U128	8C	.. INTEGRATED CIRCUIT, DIGITAL, QUAD 2-INPUT POSITIVE-NAND GATE (OPEN COLLECTOR) . . .	SN74H01N	01295	1	
	U129	8D	.. SAME AS U117			1	
	U130	8F	.. SAME AS U64			1	
	U131	9A	.. SAME AS U117			1	
	U132	9B	.. SAME AS U117			1	
-62	U133	9C	.. INTEGRATED CIRCUIT, DIGITAL, QUAD 2-INPUT MULTIPLEXER WITH STORAGE.	SN74298N	01295	1	
	U134	9D	.. SAME AS U133			1	
	U135	9E	.. SAME AS U133			1	
	U136	9F	.. SAME AS U133			1	
	U137	9H	.. SAME AS U106			1	
	U138	10B	.. SAME AS U121			1	
	U139	10C	.. SAME AS U4			1	
	U140	10D	.. SAME AS U4			1	
	U141	10E	.. SAME AS U4			1	
	U142	10F	.. SAME AS U4			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
3	U143	10H	.. SAME AS U14			1	
	U144	11B	.. SAME AS U121			1	
	U145	11C	.. SAME AS U12			1	
	U146	11D	.. SAME AS U12			1	
	U147	11E	.. SAME AS U12			1	
	U148	11F	.. SAME AS U12			1	
	U149	11H	.. SAME AS U17			1	
	U150	12B	.. SAME AS U121			1	
	U151	12C	.. SAME AS U104			1	
	U152	12D	.. SAME AS U104			1	
	U153	12E	.. SAME AS U104			1	
	U154	12F	.. SAME AS U104			1	
	U155	12H	.. SAME AS U64			1	
-63	X1	7D	.. SOCKET, PLUG-IN . . .	C931402	73803	1	
	X2	8B	.. SAME AS X1			1	
	X3	8E	.. SAME AS X1			1	
	X4	10A	.. SAME AS X1			1	
	X5	11A	.. SAME AS X1			1	
	X6	12A	.. SAME AS X1			1	
-64	X57	12S	.. SOCKET, PLUG-IN . . .	C931602	01295	1	
-65	X70		.. SOCKET, PLUG-IN . . .	C932402	01295	1	
	X71		.. SAME AS X70			1	
	X72		.. SAME AS X70			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.		Description	Part Number	Code Ident	Units Per Assy	Usable on Code
3	X80		.. SAME AS X70			1	
	X81		.. SAME AS X70			1	
	X82		.. SAME AS X70			1	
-66	XTP1	7D	.. HEADER	614DG5	91506	1	
	XTP2	8B	.. SAME AS XTP1			1	
	XTP3	8E	.. SAME AS XTP1			1	
	XTP4	10A	.. SAME AS XTP1			1	
	XTP5	11A	.. SAME AS XTP1			1	
	XTP6	12A	.. SAME AS XTP1			1	
-67	Y1	11S	.. CRYSTAL, 20 MHZ	870063		1	
-68			.. BRACKET, CONNECTOR MOUNTING	101625		6	
-69			(ATTACHING PART) .. RIVET, BLIND ----*----	AD42ABS	07707	6	
-70			.. STIFFENER	101823		1	
			(ATTACHING PARTS)				
-71			.. SCREW, MACHINE	MS51957-17	96906	3	
-72			.. WASHER, FLAT	MS15795-804	96906	3	
-73			.. WASHER, LOCK ----*----	MS35338-135	96906	3	
-74			.. STIFFENER	101897		1	
			(ATTACHING PARTS)				
			.. SCREW, MACHINE	MS51957-17	96906	3	
			.. WASHER, FLAT	MS15795-804	96906	3	
			.. WASHER, LOCK ----*----	MS35338-135	96906	3	
-75			.. WIRE, BARE, SOLID, 22 AWG	298	92194	AR	
-76			.. PRINTED WIRING BOARD .	104013		1	



1025-TA-66

Figure 4. AC Power Distribution Panel (Front) (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
4	A 4		AC POWER DISTRIBUTION PANEL (SEE FIGURE 1-4 FOR NHA)	101335		REF	
-1	CB1		. CIRCUIT BREAKER, 3--SINGLE POLE UNITS WITH INTERNAL INTER-LOCK	UPG111-1-6-2-303	81541	1	
			(ATTACHING PARTS)				
-2			. SCREW, MACHINE	MS51957-26	96906	6	
-3			. WASHER, FLAT	MS15795-806	96906	6	
-4			. WASHER, LOCK	MS35338-136	96906	6	
			----*----				
-5	E1		. TERMINAL, STUD	1417	88245	1	
			(ATTACHING PARTS)				
-6			. SCREW, MACHINE	MS51957-27	96906	1	
			. WASHER, FLAT	MS157595-806	96906	1	
			. WASHER, LOCK	MS35338-136	96906	1	
			----*----				
	E2		. SAME AS E1			1	
	E3		. SAME AS E1			1	
	E4		. SAME AS E1			1	
	E5		. SAME AS E1			1	
-7	F1		. FUSE, CARTRIDGE, 1 AMP	313001	75915	1	
-8	F2		. FUSE, CARTRIDGE, 10 AMP	311010	75915	1	
-9	J1		. CONNECTOR, RECEPTACLE, ELECTRICAL	MS3102-24-2S	13511	1	
			(ATTACHING PARTS)				
-10			. SCREW, MACHINE	MS51957-15	96906	4	
-11			. WASHER, FLAT	MS15795-805	96906	4	
-12			. WASHER, LOCK	MS35338-135	96906	4	
-13			. NUT, PLAIN HEX	MS35649-244	96906	4	
			----*----				

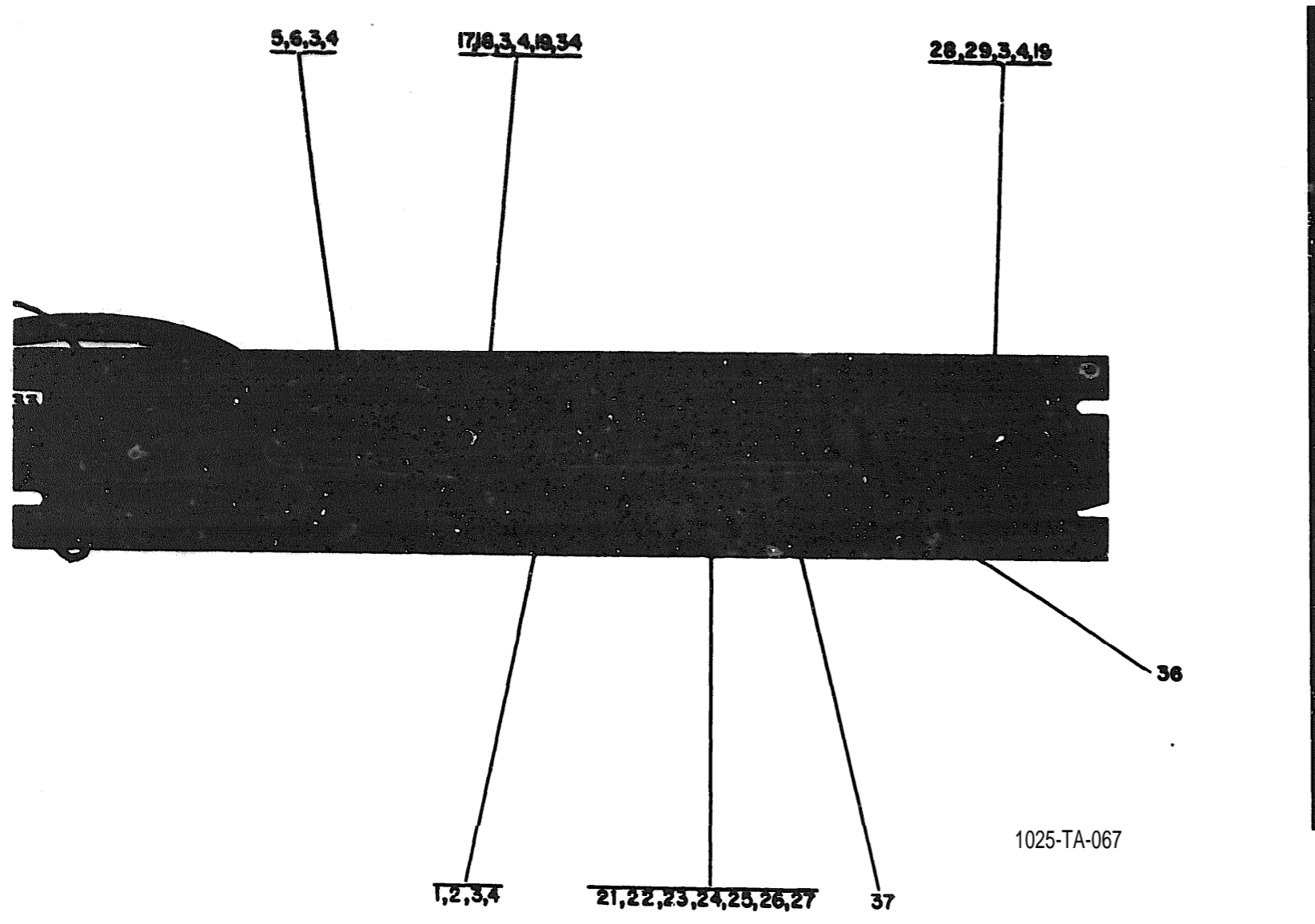


Figure 4. AC Power Distribution Panel (Rear) (Sheet 2 of 2)

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
4 - 14	P1		. CONNECTOR, PLUG, ELECTRICAL	45815	72263	1	
- 15	P45		. CONNECTOR, BODY, RECEPTACLE	1-48Ø422-Ø	ØØ779	1	
-16			. CONTACT, FEMALE, ELECTRICAL	61Ø64-5	ØØ779	2	
-17	T1		. TRANSFORMER	84ØØØ5		1	
			(ATTACHING PARTS)				
-18			. SCREW, MACHINE	MS51957-38	969Ø6	4	
			. WASHER, FLAT	MS15795-8Ø6	969Ø6	4	
			. WASHER, LOCK	MS35338-136	969Ø6	4	
-19			. NUT, PLAIN HEX	MS35649-264	969Ø6	4	
			----*----				
-2Ø	XF1		. FUSE HOLDER	342Ø22	75915	1	
	XF2		. SAME AS XF1			1	
-21			. TERMINAL LUG	A87	5973Ø	1	
			(ATTACHING PARTS)				
-22			. SCREW, MACHINE	MS51957-63	969Ø6	1	
-23			. WASHER, FLAT	MS15795-8Ø8	969Ø6	1	
-24			. WASHER, LOCK, EXTERNAL TOOTH	MS35335-6Ø	969Ø6	1	
-25			. NUT, PLAIN, HEX	MS35649-2Ø4	969Ø6	1	
			----*----				
-26			. TERMINAL LUG	B87	5973Ø	1	
-27			. TERMINAL, LUG	C36	5973Ø	1	
-28			. CABLE LOOP	E5	23726	1	
			(ATTACHING PARTS)				
-29			. SCREW, MACHINE	MS51957-31	969Ø6	1	
			. WASHER, FLAT	MS15795-8Ø6	969Ø6	1	
			. WASHER, LOCK	MS35338-136	969Ø6	1	
			. NUT, PLAIN, HEX	MS35649-264	969Ø6	1	
			----*----				

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
4 -30			. COVER, AC PANEL	101346		1	
			(ATTACHING PARTS)				
			. SCREW, MACHINE	MS51957-15	96906	1	
			. WASHER, FLAT	MS15795-805	96906	1	
			. WASHER, LOCK	MS35338-135	96906	1	
			----*----				
-31			. CABLE, POWER, ELECTRICAL	17419	70903	1	
-32			. BOX CONNECTOR, ELECTRICAL	3303	59730	1	
-33			. CABLE LOOP	831	83330	1	
			(ATTACHING PARTS)				
			. SCREW, MACHINE	MS51957-31	96906	1	
			. WASHER, FLAT	MS15795-806	96906	1	
			. WASHER, LOCK	MS35338-136	96906	1	
			. NUT, PLAIN HEX	MS35649-264	96906	1	
			----*----				
-34			. SPACER, #6x9/16	8713	83330	4	
-35			. CABLE, ELECTRICAL	9420	70903	16 FT	
-36			. WIRE, WHITE STRANDED, 14 AWG	3079-1	92194	AR	
-37			. WIRE, WHITE STRANDED, 20 AWG	3252-1	9219	AR	
-38			. AC PANEL	101347		1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
3 -37	U41	6R	.. INTEGRATED CIRCUIT, DIGITAL, SYNCHRONOUS UP/DOWN 4-BIT BINARY COUNTER (SINGLE CLOCK LINE)	SN74191N	Ø1295	1	
-38	U42	7R	.. INTEGRATED CIRCUIT, INSTANTANEOUS DECODE 1, ROM	1Ø4222-Ø1	18324	1	
-39	U43	8R	.. INTEGRATED CIRCUIT, DIGITAL, 3-LINE-TO-8 DECODER/DEMULTIPLEXER .	SN74S138N	Ø1295	1	
	U44	9R	.. SAME AS U14			1	
	U45	1ØR	.. SAME AS U7			1	
	U46	11R	.. SAME AS U14			1	
-4Ø	U47	12R	.. TRIPLE 3-INPUT POSITIVE AND GATE	SN74H11N	Ø1295	1	
-41	U48	3S	.. INTEGRATED CIRCUIT, DIGITAL, 64-BIT READ-WRITE MEMORY	SN7489N	738Ø3	1	
	U49	4S	.. SAME AS U48			1	
	U5Ø	5S	.. SAME AS U48			1	
	U51	6S	.. SAME AS U48			1	
-42	U52	7S	.. INTEGRATED CIRCUIT, INSTANTANEOUS DECODE 2 ROM	1Ø4223-Ø1		1	
	U53	8S	.. SAME AS U24			1	
	U54	9S	.. SAME AS U1			1	
-43	U55	1ØS	.. INTEGRATED CIRCUIT, DIGITAL, DUAL 4-INPUT POSITIVE-NAND BUFFER .	SN74H4ØN	Ø1295	1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
3	U56	11S	.. SAME AS U7			1	
-44	U57	12S	.. INTEGRATED CIRCUIT, DIGITAL, MULTIVIBRATOR	SN74S124N	Ø1295	1	
-45	U58	3T	.. NETWORK, HYBRID CIRCUIT, 14 PIN PULL- UP PULL-DOWN, R1 = 68Ø OHMS	83ØØ96		1	
	U59	4T	.. SAME AS U48			1	
	U6Ø	5T	.. SAME AS U48			1	
	U61	6T	.. SAME AS U58			1	
	U62	7T	.. SAME AS U9			1	
	U63	8T	.. SAME AS U9			1	
-46	U64	9T	.. INTEGRATED CIRCUIT, DIGITAL, BCD-TO-DECIMAL DECODER	SN7442N	Ø1295	1	
	U65	1ØT	.. SAME AS U14			1	
	U66	11T	.. SAME AS U14			1	
-47	U68		.. INTEGRATED CIRCUIT, DIGITAL, SYNCHRONOUS 4-BIT BINARY COUNTER WITH DIRECT CLEAR	SN74161N	Ø1295	1	
	U69		.. SAME AS U68			1	
	U78		.. SAME AS U68			1	
	U79		.. SAME AS U68			1	
-48	U88	1A	.. INTEGRATED CIRCUIT, DIGITAL, QUAD 2-INPUT POSITIVE-NAND BUFFER (OPEN COLLECTOR)	SN74S38N	Ø1295	1	
	U89	1B	.. SAME AS U1			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
3	U90	1B	.. SAME AS U88			1	
-49	U91	2A	.. NETWORK, HYBRID CIRCUIT, 14 PIN DUAL, R1 = 200 OHMS, R2 = 300 OHMS .	830095		1	
-50	U92	2B	.. INTEGRATED CIRCUIT, DIGITAL, QUAD 2-INPUT POSITIVE-NAND BUFFER .	SN74S37N	01295	1	
-51	U93	2D	.. INTEGRATED CIRCUIT, DIGITAL, DUAL D-TYPE EDGE-TRIGGERED FLIP- FLOP	SN7474N	01295	1	
	U94	3A	.. SAME AS U88			1	
	U95	3B	.. SAME AS U1			1	
	U96	3C	.. SAME AS U88			1	
	U97	3D	.. SAME AS U88			1	
	U98	3E	.. SAME AS U64			1	
	U99	3F	.. SAME AS U93			1	
	U100	3H	.. SAME AS U47			1	
	U101	4A	.. SAME AS U92			1	
	U102	4B	.. SAME AS U92			1	
	U103	4C	.. SAME AS U1			1	
-52	U104	4D	.. INTEGRATED CIRCUIT, DIGITAL, 50-MHZ PRE- SETTABLE 4-BIT BINARY COUNTERS/LATCHES . . .	SN74197N	33809	1	
-53	U105	4E	.. INTEGRATED CIRCUIT, DIGITAL, QUAD 2-INPUT POSITIVE-AND GATE . .	SN7408N	01295	1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
3 -54	U106	4F	.. INTEGRATED CIRCUIT, DIGITAL, QUAD 2-INPUT POSITIVE-NOR GATE . .	9N02/7402	07263	1	
	U107	5A	.. SAME AS U14			1	
	U108	5B	.. SAME AS U93			1	
	U109	5C	.. SAME AS U14			1	
	U110	5B	.. SAME AS U93			1	
	U111	5E	.. SAME AS U7			1	
	U112	5F	.. SAME AS U93			1	
-55	U113	5H	.. INTEGRATED CIRCUIT, DIGITAL, DUAL 4-INPUT POSITIVE-NAND GATE . .	SN7420N	01295	1	
-56	U114	6A	.. INTEGRATED CIRCUIT, DIGITAL, MULTIVIBRATOR VARIABLE TIME DELAY .	SN74221N	01295	1	
	U115	6B	.. SAME AS U114			1	
	U116	6C	.. SAME AS U93.			1	
-57	U117	6D	.. INTEGRATED CIRCUIT, DIGITAL, HEX INVERTER .	SN7404N	01295	1	
-58	U118	6E	.. INTEGRATED CIRCUIT, DIGITAL, QUAD 2-INPUT POSITIVE-NAND GATE . .	SN7400N	01295	1	
	U119	6D	.. SAME AS U117			1	
	U120	6H	.. SAME AS U12			1	
-59	U121	7A	.. INTEGRATED CIRCUIT, DIGITAL, HEX INVERTER (OPEN COLLECTOR) . . .	SN74H05N	01295	1	
	U122	7B	.. SAME AS U17			1	
	U123	7C	.. SAME AS U117			1	

GROUP ASSEMBLY PARTS LIST

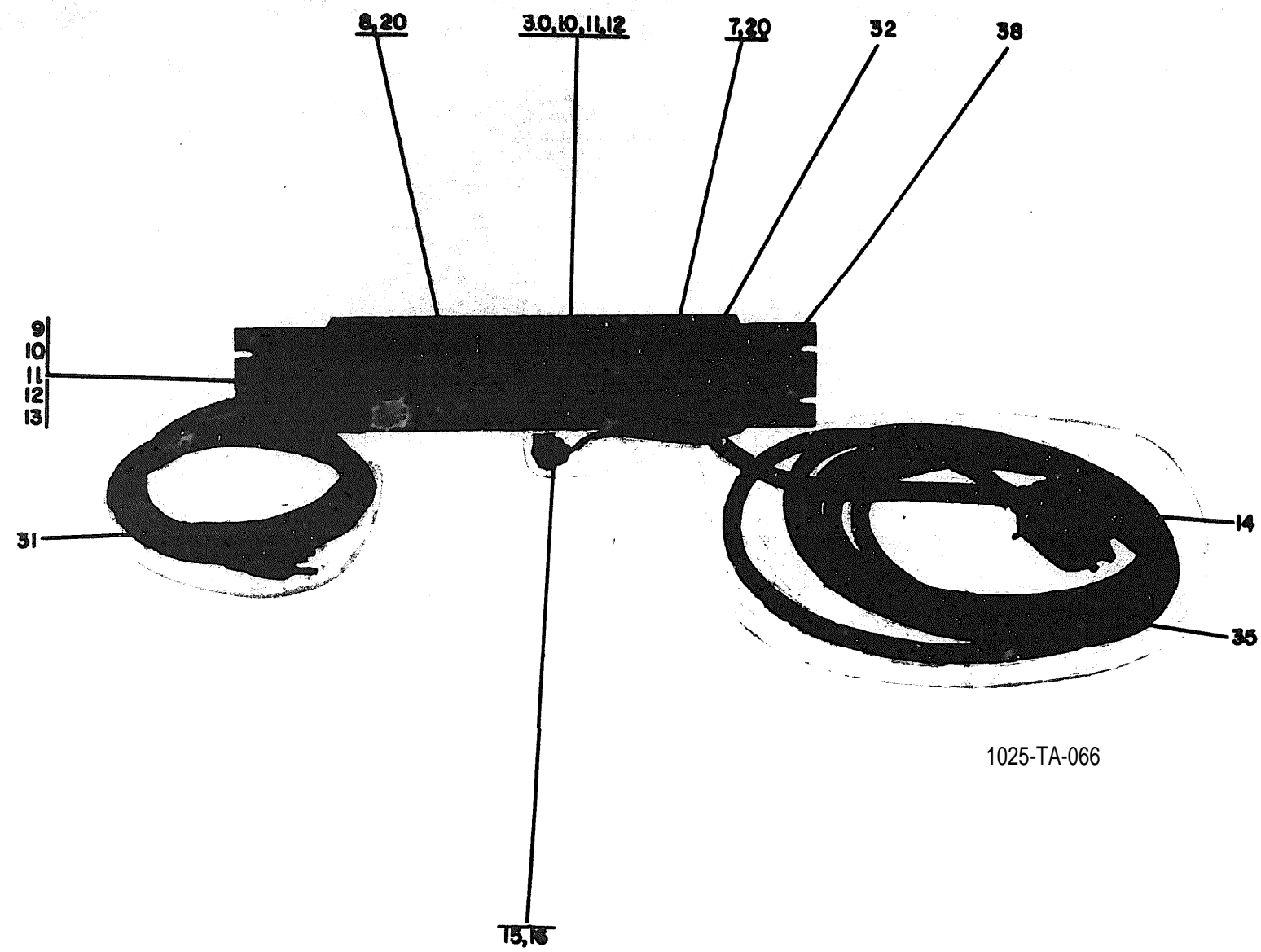
Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
3 -60	U124	7E	.. INTEGRATED CIRCUIT, DIGITAL, 8-INPUT POSITIVE-NAND GATE . .	SN7401N	01295	1	
	U125	7F	.. SAME AS U64			1	
	U126	7H	.. SAME AS U117			1	
	U127	8A	.. SAME AS U1			1	
-61	U128	8C	.. INTEGRATED CIRCUIT, DIGITAL, QUAD 2-INPUT POSITIVE-NAND GATE (OPEN COLLECTOR) . . .	SN74H01N	01295	1	
	U129	8D	.. SAME AS U117			1	
	U130	8F	.. SAME AS U64			1	
	U131	9A	.. SAME AS U117			1	
	U132	9B	.. SAME AS U117			1	
-62	U133	9C	.. INTEGRATED CIRCUIT, DIGITAL, QUAD 2-INPUT MULTIPLEXER WITH STORAGE.	SN74298N	01295	1	
	U134	9D	.. SAME AS U133			1	
	U135	9E	.. SAME AS U133			1	
	U136	9F	.. SAME AS U133			1	
	U137	9H	.. SAME AS U106			1	
	U138	10B	.. SAME AS U121			1	
	U139	10C	.. SAME AS U4			1	
	U140	10D	.. SAME AS U4			1	
	U141	10E	.. SAME AS U4			1	
	U142	10F	.. SAME AS U4			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code	
3	U143	10H	.. SAME AS U14			1		
	U144	11B	.. SAME AS U121			1		
	U145	11C	.. SAME AS U12			1		
	U146	11D	.. SAME AS U12			1		
	U147	11E	.. SAME AS U12			1		
	U148	11F	.. SAME AS U12			1		
	U149	11H	.. SAME AS U17			1		
	U150	12B	.. SAME AS U121			1		
	U151	12C	.. SAME AS U104			1		
	U152	12D	.. SAME AS U104			1		
	U153	12E	.. SAME AS U104			1		
	U154	12F	.. SAME AS U104			1		
	U155	12H	.. SAME AS U64			1		
	-63	X1	7D	.. SOCKET, PLUG-IN . . .	C931402	73803	1	
		X2	8B	.. SAME AS X1			1	
	X3	8E	.. SAME AS X1			1		
	X4	10A	.. SAME AS X1			1		
	X5	11A	.. SAME AS X1			1		
	X6	12A	.. SAME AS X1			1		
-64	X57	12S	.. SOCKET, PLUG-IN . . .	C931602	01295	1		
-65	X70		.. SOCKET, PLUG-IN . . .	C932402	01295	1		
	X71		.. SAME AS X70			1		
	X72		.. SAME AS X70			1		

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
3	X80		.. SAME AS X70			1	
	X81		.. SAME AS X70			1	
	X82		.. SAME AS X70			1	
-66	XTP1	7D	.. HEADER	614DG5	91506	1	
	XTP2	8B	.. SAME AS XTP1			1	
	XTP3	8E	.. SAME AS XTP1			1	
	XTP4	10A	.. SAME AS XTP1			1	
	XTP5	11A	.. SAME AS XTP1			1	
	XTP6	12A	.. SAME AS XTP1			1	
-67	Y1	11S	.. CRYSTAL, 20 MHZ	870063		1	
-68			.. BRACKET, CONNECTOR MOUNTING	101625		6	
-69			(ATTACHING PART) .. RIVET, BLIND -----*	AD42ABS	07707	6	
-70			.. STIFFENER	101823		1	
			(ATTACHING PARTS)				
-71			.. SCREW, MACHINE	MS51957-17	96906	3	
-72			.. WASHER, FLAT	MS15795-804	96906	3	
-73			.. WASHER, LOCK -----*	MS35338-135	96906	3	
-74			.. STIFFENER	101897		1	
			(ATTACHING PARTS)				
			.. SCREW, MACHINE	MS51957-17	96906	3	
			.. WASHER, FLAT	MS15795-804	96906	3	
			.. WASHER, LOCK -----*	MS35338-135	96906	3	
-75			.. WIRE, BARE, SOLID, 22 AWG	298	92194	AR	
-76			.. PRINTED WIRING BOARD .	104013		1	

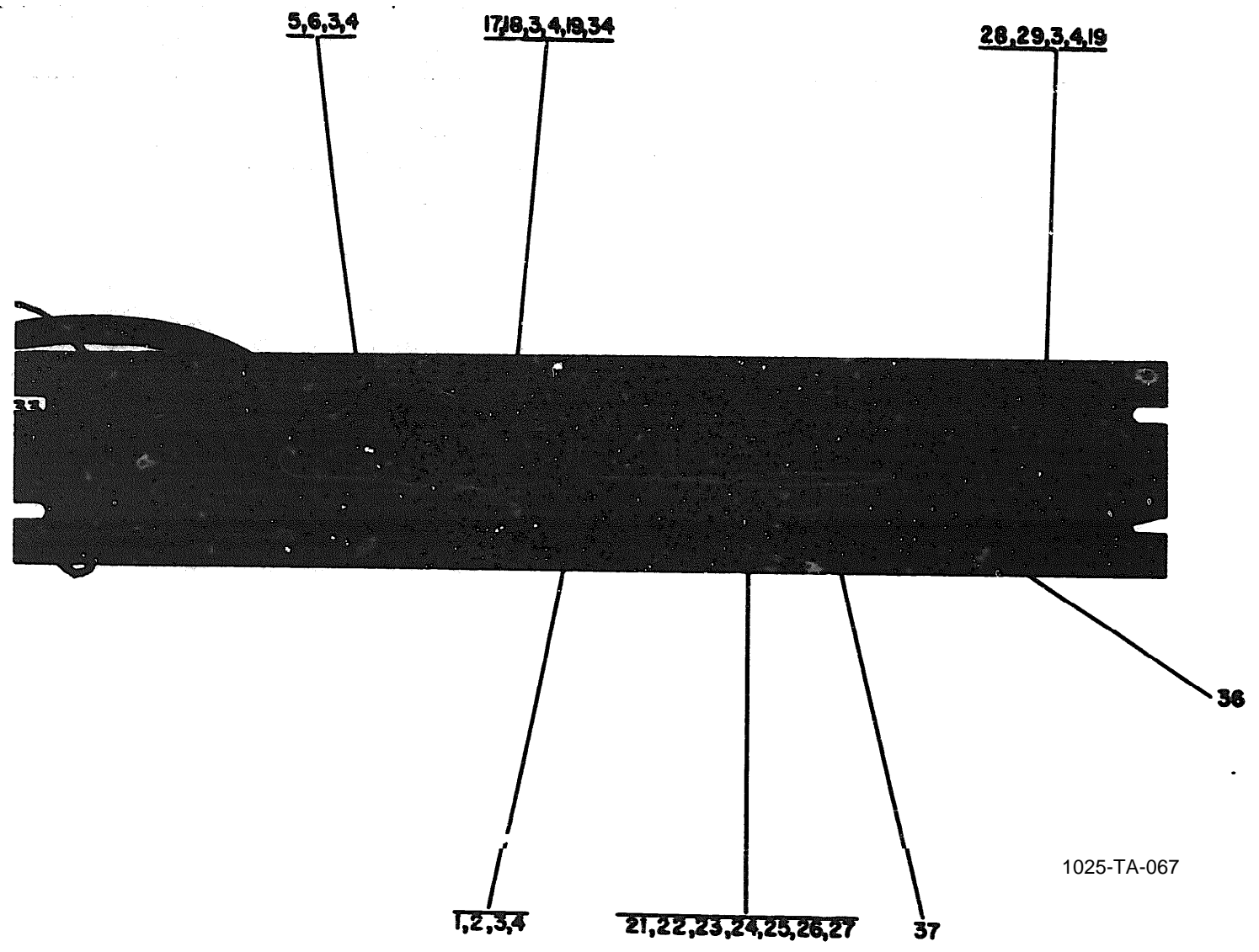


1025-TA-066

Figure 4. AC Power Distribution Panel (Front) (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
4	A4		AC POWER DISTRIBUTION PANEL (SEE FIGURE 1-4 FOR NHA)	1Ø1335		REF	
-1	CB1		. CIRCUIT BREAKER, 3-SINGLE POLE UNITS WITH INTERNAL INTER-LOCK	UPG111-1-6-2-3Ø3	81541	1	
			(ATTACHING PARTS)				
-2			. SCREW, MACHINE	MS51957-26	969Ø6	6	
-3			. WASHER, FLAT	MS15795-8Ø6	969Ø6	6	
-4			. WASHER, LOCK	MS35338-136	969Ø6	6	
			----*----				
-5	E1		. TERMINAL, STUD	1417	88245	1	
			(ATTACHING PARTS)				
-6			. SCREW, MACHINE	MS51957-27	969Ø6	1	
			. WASHER, FLAT	MS157595-8Ø6	969Ø6	1	
			. WASHER, LOCK	MS35338-136	969Ø6	1	
			----*----				
	E2		. SAME AS E1			1	
	E3		. SAME AS E1			1	
	E4		. SAME AS E1			1	
	E5		. SAME AS E1			1	
-7	F1		. FUSE, CARTRIDGE, 1 AMP	313ØØ1	75915	1	
-8	F2		. FUSE, CARTRIDGE, 1Ø AMP	311Ø1Ø	75915	1	
-9	J1		. CONNECTOR, RECEPTACLE, ELECTRICAL	MS31Ø2-24-2S	13511	1	
			(ATTACHING PARTS)				
-1Ø			. SCREW, MACHINE	MS51957-15	969Ø6	4	
-11			. WASHER, FLAT	MS15795-8Ø5	969Ø6	4	
-12			. WASHER, LOCK	MS35338-135	969Ø6	4	
-13			. NUT, FLAIN HEX	MS35649-244	969Ø6	4	
			----*----				



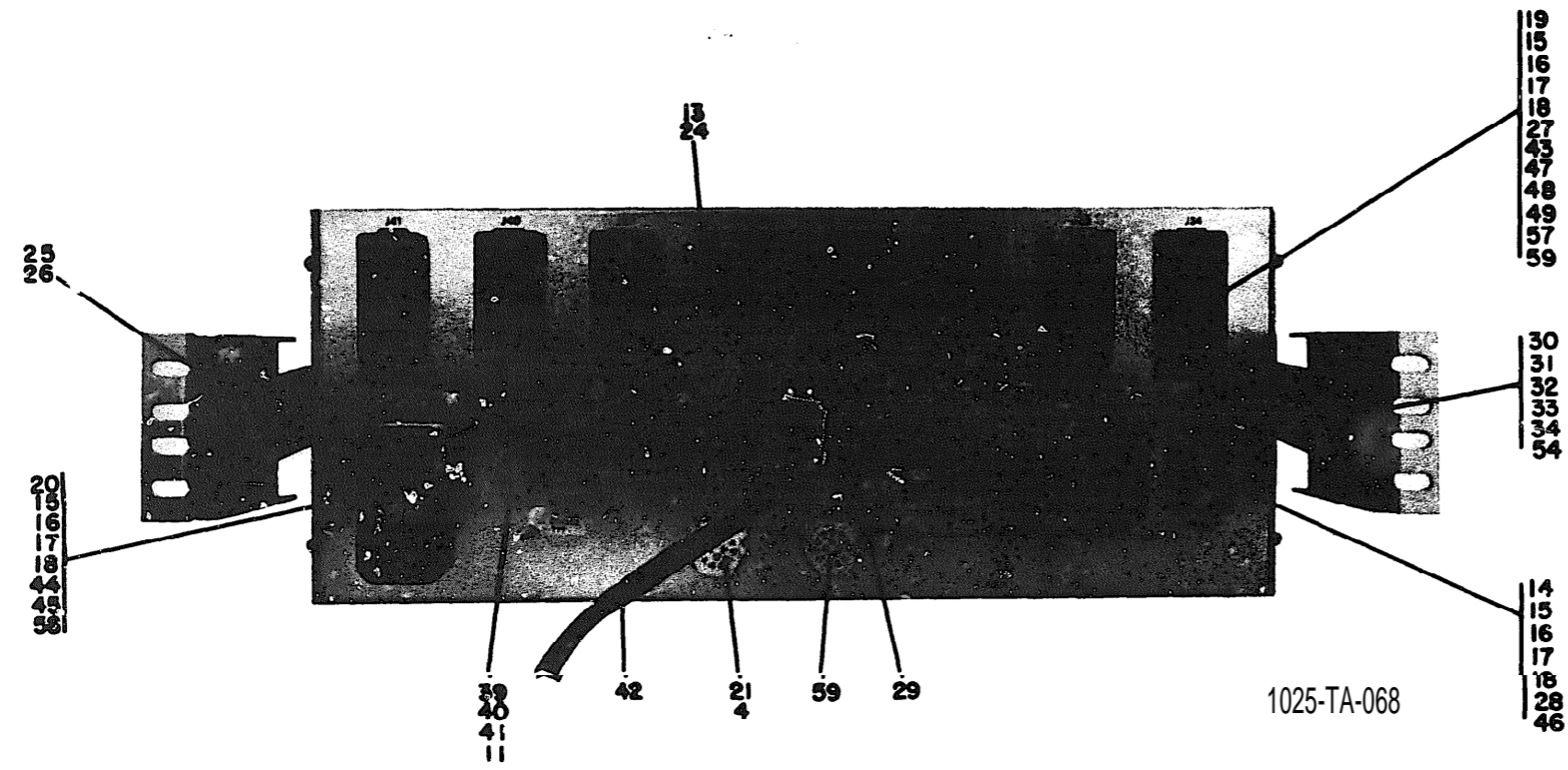
2 - 3 4 Figure 4. AC Power Distribution Panel (Rear) (Sheet 2 of 2)

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
4 -14	P1		. CONNECTOR, PLUG, ELECTRICAL	45815	72263	1	
-15	P45		. CONNECTOR, BODY, RECEPTACLE	1-480422-0	00779	1	
-16			. CONTACT, FEMALE, ELECTRICAL	61064-5	00779	2	
-17	T1		. TRANSFORMER	840005		1	
			(ATTACHING PARTS)				
-18			. SCREW, MACHINE	MS51957-38	96906	4	
			. WASHER, FLAT	MS15795-806	96906	4	
			. WASHER, LOCK	MS35338-136	96906	4	
-19			. NUT, PLAIN HEX	MS35649-264	96906	4	
			---*---				
-20	XF1		. FUSE HOLDER	342022	75915	1	
	XF2		. SAME AS XF1			1	
-21			. TERMINAL LUG	A87	59730	1	
			(ATTACHING PARTS)				
-22			. SCREW, MACHINE	MS51957-63	96906	1	
-23			. WASHER, FLAT	MS15795-808	96906	1	
-24			. WASHER, LOCK, EXTERNAL TOOTH	MS35335-60	96906	1	
-25			. NUT, PLAIN, HEX	MS35649-204	96906	1	
			---*---				
-26			. TERMINAL LUG	B87	59730	1	
-27			. TERMINAL, LUG	C36	59730	1	
-28			. CABLE LOOP	E5	23726	1	
			(ATTACHING PARTS)				
-29			. SCREW, MACHINE	MS51957-31	96906	1	
			. WASHER, FLAT	MS15795-806	96906	1	
			. WASHER, LOCK	MS35338-136	96906	1	
			. NUT, PLAIN, HEX	MS35649-264	96906	1	
			---*---				

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
4 -30			. COVER, AC PANEL	101346		1	
			(ATTACHING PARTS)				
			. SCREW, MACHINE	MS51957-15	96906	1	
			. WASHER, FLAT	MS15795-805	96906	1	
			. WASHER, LOCK	MS35338-135	96906	1	
			----*----				
-31			. CABLE, POWER, ELECTRICAL	17419	70903	1	
-32			. BOX CONNECTOR, ELECTRICAL	3303	59730	1	
-33			. CABLE LOOP	831	83330	1	
			(ATTACHING PARTS)				
			. SCREW, MACHINE	MS51957-31	96906	1	
			. WASHER, FLAT	MS15795-806	96906	1	
			. WASHER, LOCK	MS35338-136	96906	1	
			. NUT, PLAIN HEX	MS35649-264	96906	1	
			----*----				
-34			. SPACER, #6x9/16	8713	83330	4	
-35			. CABLE, ELECTRICAL . . .	9420	70903	16 FT	
-36			. WIRE, WHITE STRANDED, 14 AWG	3079-1	92194	AR	
-37			. WIRE, WHITE STRANDED, 20 AWG	3252-1	92194	AR	
-38			. AC PANEL	101347		1	



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Figure 5. Chassis Assembly, High Capacity Disc Interface
(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
5	A5		CHASSIS ASSEMBLY, HIGH CAPACITY DISC INTERFACE (SEE FIGURE 1-5 FOR NHA) .	103982		REF	
-1	A1		. CIRCUIT CARD ASSEMBLY, LOGIC (SEE FIGURE 6 FOR BREAKDOWN)	103966		1	
-2	A2A1		. CIRCUIT CARD ASSEMBLY, MULTIPLEX (SEE FIGURE 7 FOR BREAKDOWN)	103968		1	
	A2A2		. SAME AS A2A1			1	
	A2A3		. SAME AS A2A1			1	
	A2A4		. SAME AS A2A1			1	
-3	A3		. CIRCUIT CARD ASSEMBLY, SIMPLEX (SEE FIGURE 8 FOR BREAKDOWN)	103970		1	
-4	A4		. CIRCUIT CARD ASSEMBLY, SEQUENCE (SEE FIGURE 9 FOR BREAKDOWN)	103979		1	
-5	A5		. CIRCUIT CARD ASSEMBLY, PLO (SEE FIGURE 10 FOR BREAKDOWN)	104295		1	
-6	A6		. CONNECTOR ASSEMBLY, ELECTRICAL (SEE FIGURE 11 FOR BREAKDOWN)	103983		1	
-7	E1		. TERMINAL STUD	1037-1-05	71279	1	
			(ATTACHING PARTS)				
-8			. SCREW, NYLON	2527	83330	1	
-9			. WASHER, LOCK	MS35333-71	96906	3	
-10			. WASHER, SHOULDERED	5607-14	86928	1	
-11			. WASHER, FLAT	MS15795-806	96906	1	
-12			. NUT, PLAIN, HEX	MS35649-264	96906	1	
			-----*				

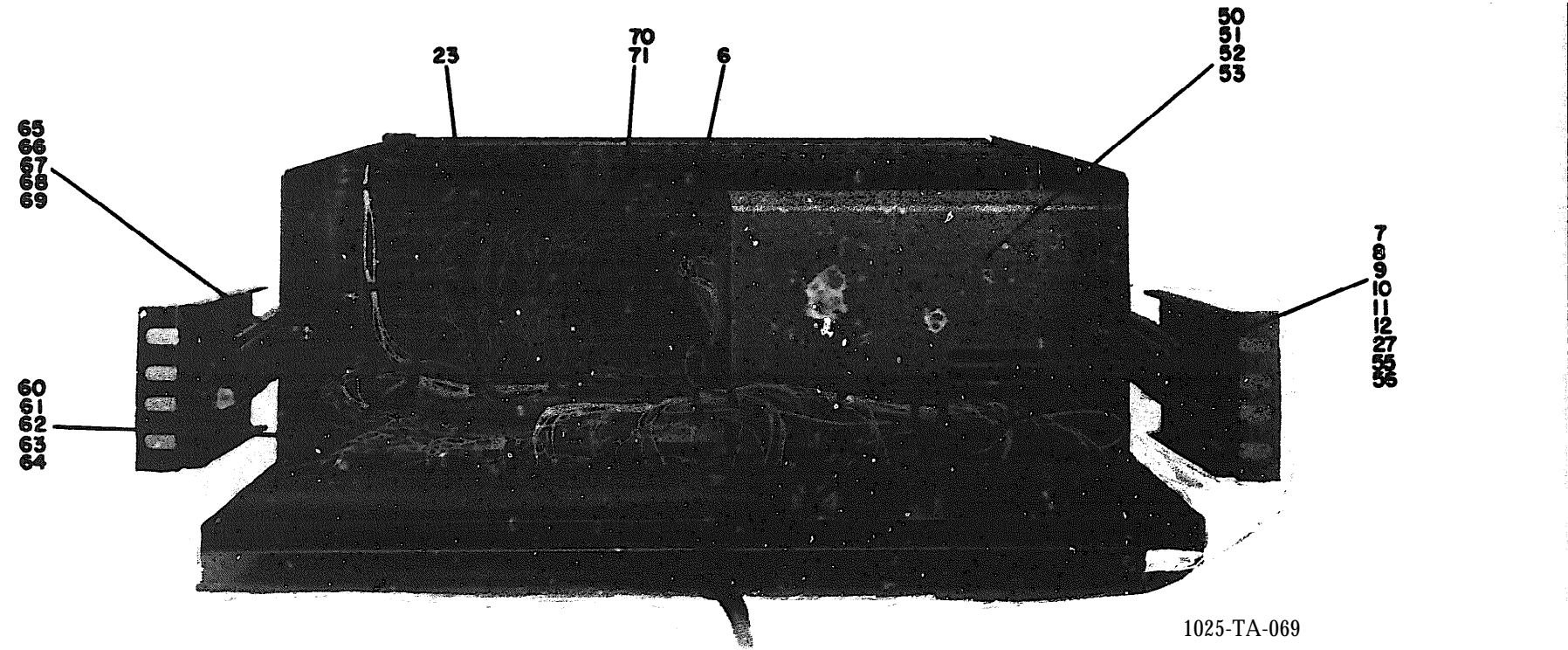
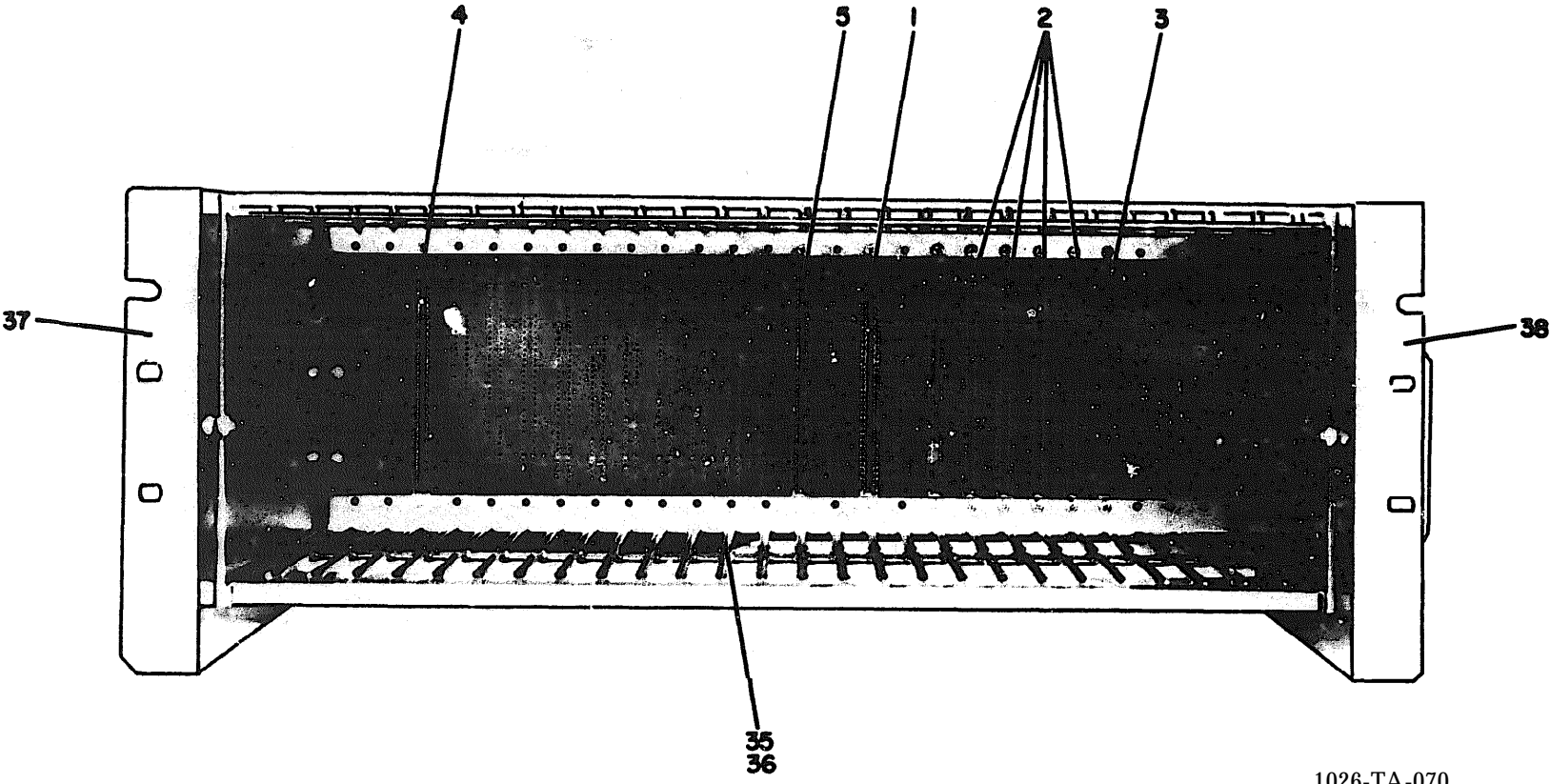


Figure 5. Chassis Assembly, High Capacity Disc Interface
(Front) (Sheet 2 of 3)

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
5	E2		. SAME AS E1			1	
	E3		. SAME AS E1			1	
	E4		. SAME AS E1			1	
-13	F1		. FUSE, CARTRIDGE, 1 AMP .	313001	75915	1	
-14	J31		. CONNECTOR, RECEPTACLE, ELECTRICAL	3-204457-6	00779	1	
			(ATTACHING PARTS)				
-15			. SCREW, MACHINE	MS24693S4	96906	2	
-16			. WASHER, FLAT	MS15795-804	96906	2	
-17			. WASHER, LOCK	MS35338-40	96906	2	
-18			. NUT, PLAIN, HEX	MS35649-244	96906	2	
			----*----				
	J32		. SAME AS J31			1	
	J33		. SAME AS J31			1	
-19	J34		. CONNECTOR, RECEPTACLE, ELECTRICAL	202478-2	00779	1	
			(ATTACHING PARTS)				
			. SCREW, MACHINE	MS24693S4	96906	4	
			. WASHER, FLAT	MS15795-804	96906	4	
			. WASHER, LOCK	MS35338-40	96906	4	
			. NUT, PLAIN, HEX	MS35649-244	96906	4	
			----*----				
	J35		. SAME AS J34			1	
	J36		. SAME AS J34			1	
	J37		. SAME AS J34			1	
	J38		. SAME AS J34			1	
	J39		. SAME AS J34			1	
	J40		. SAME AS J34			1	
	J41		. SAME AS J34			1	



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Figure 5. Chassis Assembly, High Capacity Disc Interface
(Rear) (Sheet 3 of 3)

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
5 -20	J42		. CONNECTOR, RECEPTACLE, ELECTRICAL	201037-1	00779	1	
			(ATTACHING PARTS)				
			. SCREW, MACHINE	MS24693S4	96906	4	
			. WASHER, FLAT	MS15795-804	96906	4	
			. WASHER, LOCK	MS35338-40	96906	4	
			. NUT, PLAIN, HEX	MS35649-244	96906	4	
			---*---				
-21	J45		. CONNECTOR BODY, RECEPTACLE	1-480423-0	00779	1	
	J46		. SAME AS J45			1	
-22			. NOT USED				
-23	P3		. CONNECTOR PLUG, ELECTRICAL	65051-1	22526	1	
	P18		. SAME AS P3			1	
	P19		. SAME AS P3			1	
	P20		. SAME AS P3			1	
	P21		. SAME AS P3			1	
	P22		. SAME AS P3			1	
	P23		. SAME AS P3			1	
-24	XF-1		. FUSE HOLDER	342022	75915	1	
-25			. SLIDE, DRAWER	C203-360	16499	2	
			(ATTACHING PART)				
-26			. RIVET, BLIND	AD64ABS	07707	6	
			---*---				
-27			. TERMINAL, LUG	KT53	75382	12	
-28			. TERMINAL, LUG	RB14-250F	59730	15	
-29			. BUSHING, STRAIN RELIEF .	SR6N3-4	28520	1	

GROUP ASSEMBLY PARTS LIST

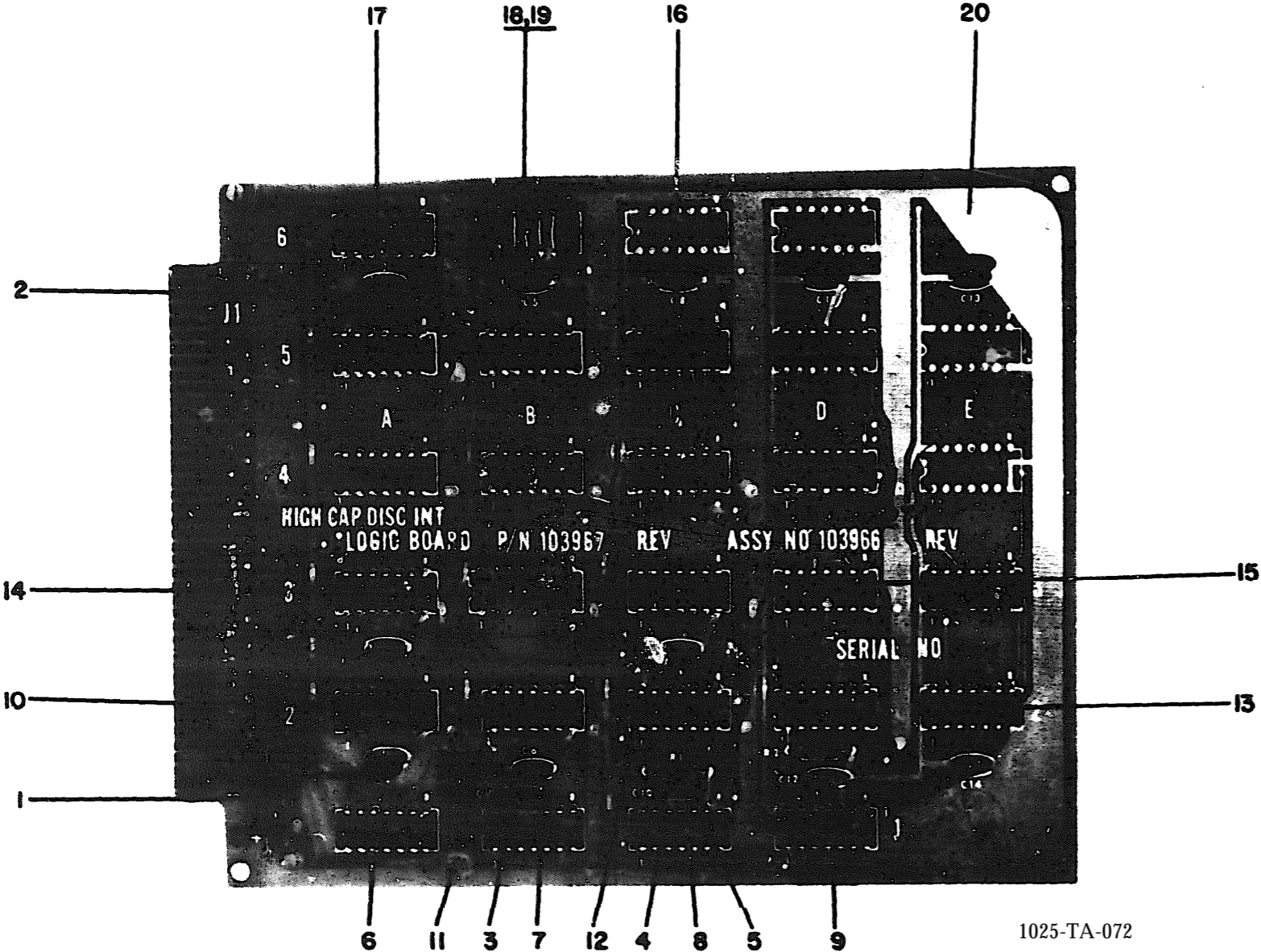
Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
5 -30			. BRACKET, SLIDE	101307		2	
			(ATTACHING PARTS)				
-31			. SCREW, MACHINE	MS24693S48	96906	4	
-32			. WASHER, FLAT	MS15795-406	96906	4	
-33			. WASHER, LOCK	MS35338-42	96906	4	
-34			. NUT, PLAIN, HEX	MS35649-284	96906	4	
			---*---				
-35			. CARD FILE	101440		1	
			(ATTACHING PARTS)				
-36			. RIVET, BLIND	AD43ABS	07707	8	
			---*---				
-37			. PANEL, LEFT SIDE	103976-01		1	
-38			. PANEL, RIGHT SIDE	103976-02		1	
-39			. PANEL, CONNECTOR	103977		1	
			(ATTACHING PARTS)				
-40			. SCREW, MACHINE	MS24693S26	96906	4	
			. WASHER, FLAT	MS15795-806	96906	4	
-41			. WASHER, LOCK	MS35336-136	96906	4	
			---*---				
-42			. POWER CABLE, ELECTRICAL	17149	70903	1	
-43			. RETENTION SPRING, COAXIAL	2-43332-1	00779	6	
-44			. RETAINER, ELECTRICAL, FIXED MALE	200874-1	00779	1	
-45			. STUD, EXTENSION, FIXED FEMALE	200875-1	00779	1	
-46			. JACKSCREW, FEMALE	203879-1	00779	3	
-47			. FERRULE, STEPDOWN	329029	00779	8	
-48			. BUSHING, STRAIN	329051	00779	8	
-49			. SOCKET, ELECTRICAL, COAXIAL	329069	00779	2	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
5 -50			. POWER SUPPLY ASSEMBLY (PARTS BREAKDOWN UNDER SEPARATE COVER, REFER- ENCE STANDARD POWER INC. PART NUMBER CPS60-5M282).	350045		1	
			(ATTACHING PARTS)				
-51			. SCREW, MACHINE	MS51958-61	96906	4	
-52			. WASHER, FLAT	MS15795-842	96906	4	
-53			. WASHER, LOCK	MS35338-43	96906	4	
			----*----				
-54			. BRACKET, SLIDE	5355-1	16499	2	
			(ATTACHING PARTS)				
			. SCREW, MACHINE	MS24693S48	96906	4	
			. WASHER, FLAT	MS15795-406	96906	4	
			. WASHER, LOCK	MS35338-42	96906	4	
			. NUT, PLAIN, HEX	MS35649-284	96906	4	
			----*----				
-55			. CONTACT, ELECTRICAL	60789-3	00779	32	
-56			. CONTACT, ELECTRICAL	61067-1	00779	32	
-57			. CONTACT, SOCKET	66258-3	00779	32	
-58			. CONTACT, SOCKET	66428-3	00779	116	
-59			. CONTACT ELECTRICAL	61062-5	00779	4	
-60			. CLAMP, CABLE	841	83330	2	
			(ATTACHING PARTS)				
-61			. SCREW, MACHINE	MS24693S28	96906	2	
-62			. WASHER, FLAT	MS15795-506	96906	2	
-63			. WASHER, LOCK	MS35338-41	96906	2	
-64			. NUT, PLAIN, HEX	MS35649-264	96906	2	
			----*----				
-65			. WIRE, ELECTRICAL, STRANDED, WHITE, 18 AWG .	1243	92194	7 FT	
-66			. WIRE, ELECTRICAL, STRANDED, WHITE, 22 AWG .	3071-1	92194	2 FT	
-67			. WIRE, ELECTRICAL, STRANDED, WHITE, 20 AWG .	3252-1	92194	90 FT	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
5 -68			. WIRE, ELECTRICAL, STRANDED, BLUE/WHITE, 26 AWG	5201	92194	136 FT	
-69			. WIRE, ELECTRICAL, STRANDED, WHITE, 26 AWG .	5853-1	92194	6 FT	
-70			. WIRE, ELECTRICAL, SOLID, BLUE, 30 AWG . .	5951-6	92194	24 FT	
-71			. WIRE, ELECTRICAL, SOLID, BLUE/WHITE, 30 AWG	770017		110 FT	



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Figure 6. Circuit Card Assembly, Logic

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
9	CR11	6E	. SAME AS CR6			1	
	CR12	6E	. SAME AS CR6			1	
	CR13	6A	. SAME AS CR1			1	
-7	K1	5A	. RELAY	TF154CC	02288	1	
	K2	2A	. SAME AS K1			1	
-8	Q1	4E	. TRANSISTOR	2N3725	80131	1	
	Q2	4D	. SAME AS Q1			1	
	Q3	5D	. SAME AS Q1			1	
-9	R1	6B	. RESISTOR, FIXED, FILM, 1K, <u>+5%</u> , 1/4W	RL07S102J	81349	1	
	R2	5E	. SAME AS R1			1	
	R3	5B	. SAME AS R1			1	
-10	R4	6B	. RESISTOR, FIXED, FILM, 100K, <u>+5%</u> , 1/4W	RL07S104J	81349	1	
-11	R5	4D	. RESISTOR, FIXED, FILM, 1.5K, <u>+5%</u> , 1/4W	RL07S152J	81349	1	
	R6	3F	. SAME AS R1			1	
-12	R7	6C	. RESISTOR, FIXED, FILM, 47K, <u>+5%</u> , 1/4W	RL07S473J	81349	1	
-13	R8	5C	. RESISTOR, FIXED, FILM, 68K, <u>+5%</u> , 1/4W	RL07S683J	81349	1	
-14	R9	4C	. RESISTOR, FIXED, FILM, 100 OHMS, 1/4W, 5%	RL07S101J	81349	1	
-15	R10	4E	. RESISTOR, FIXED, FILM, 4.7K, <u>+5%</u> , 1/4W	RL07S472J	81349	1	
	R11	5E	. SAME AS R1			1	
	R12	5D	. SAME AS R7			1	
	R13	6E	. SAME AS R5			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
9	R 1 4	4 F	. SAME AS R 1			1	
- 1 6	R 1 5	2 A	. RESISTOR, FIXED, FILM 33 OHMS, +5%, 1/4W . . .	RL 0 7 S 3 3 0 J	81349	1	
- 1 7	R 1 6	3 F	. RESISTOR, FIXED, FILM, 10K, +5%, 1/4W	RL07S103J	81349	1	
- 1 8	R 1 7	5 D	. RESISTOR, FIXED, FILM, 680 OHMS, +5%, 1/4W . .	RL07S681J	81349	1	
- 1 9	S 1	2 F	. SWITCH, TOGGLE	7101SYZ	09353	1	
- 2 0	TP 1 6		. CONTACT, ELECTRICAL . . .	61067-1	00779	1	
- 2 1	U 1 A	6 D	. INTEGRATED, CIRCUIT . . .	LM301A	27014	1	
- 2 2	XK 1	5 A	. SOCKET, PLUG-IN	30055-5	02288	1	
	XK 2	2 A	. SAME AS XK 1			1	
- 2 3			. CLIP, RETAINING	30040-1	02288	2	
- 2 4			. WIRE, STRANDED, WHITE, 20 AWG	3252-1	92194	1FT	
- 2 5			. PRINTED WIRING BOARD . .	101395		1	

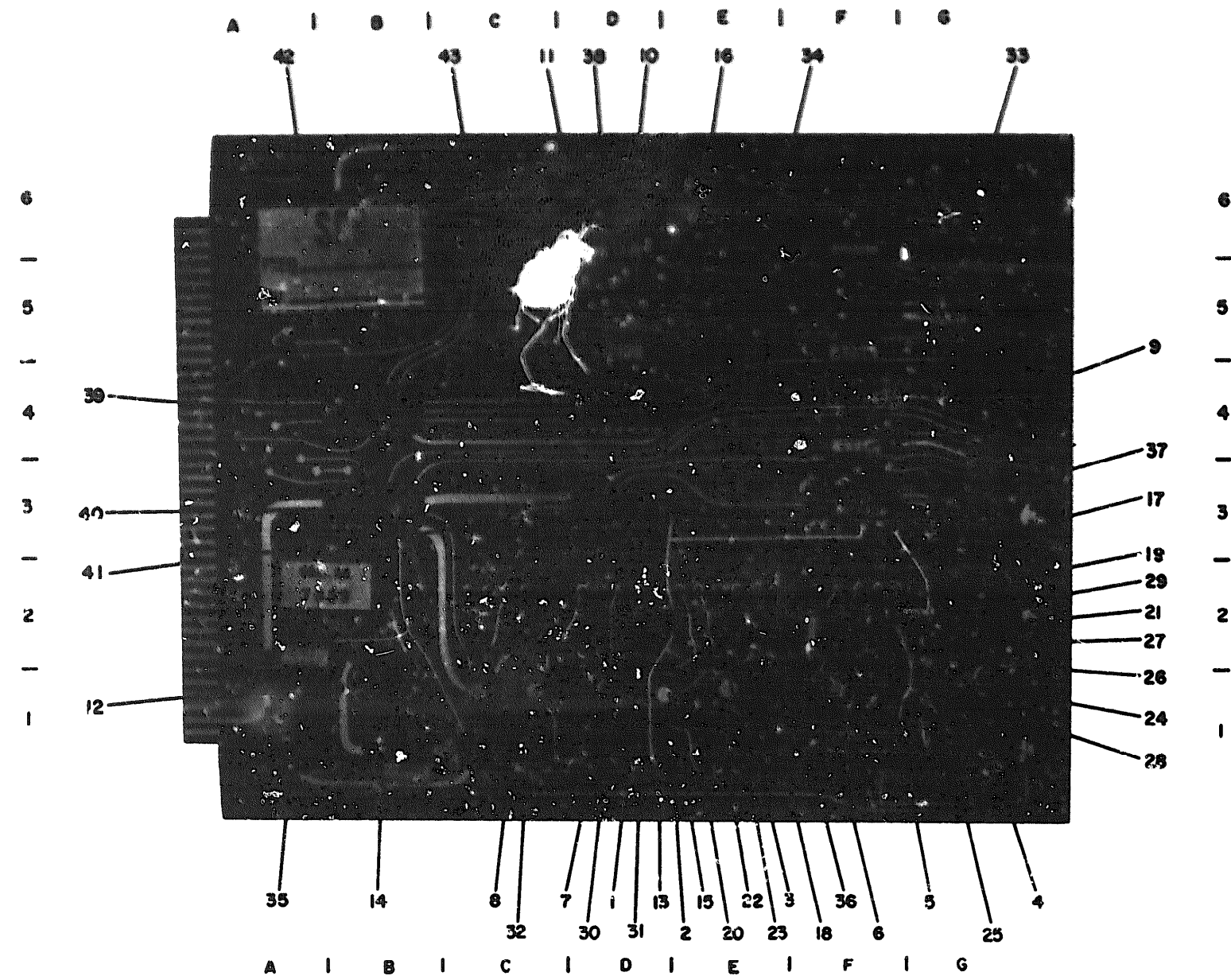


Figure 10. Circuit Card Assembly, PLO

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
10	A5		CIRCUIT CARD ASSEMBLY, PLO (SEE FIGURE 5-5 FOR NHA)	104295		REF	
-1	C1	2D	. CAPACITOR, FIXED, MICA, 27PF, +5%, 500V .	DM15-270J	72136	1	
-2	C2	1D	. CAPACITOR, FIXED, MICA, 150PF, +5%, 500V	DM15-151J	72136	1	
-3	C3	1E	. CAPACITOR, FIXED, MICA, 33PF, +5%, 500V	DM15-330J	72136	1	
-4	C4	1G	. CAPACITOR, FIXED, ELECTROLYTIC, 22MF, 10%, 20V	CSR13F226KM	81349	1	
-5	C5	2F	. CAPACITOR, FIXED, MICA, 100PF, +5%, 500V	DM15-101J	72136	1	
-6	C6	2F	. CAPACITOR, FIXED, PLASTIC, .0047MF, ±10%, 100V	107B472M	83125	1	
-7	C7	1D	. CAPACITOR, FIXED, MICA, 18PF, +5%, 500V	CD15CD180J03	93790	1	
	C8	2C	. SAME AS C2			1	
	C10	1D	. SAME AS C7			1	
-8	C11	1C	. CAPACITOR, FIXED, MICA, 0.1MF, +10%, 100V	215B1B104M	14752	1	
	C12	1C	. SAME AS C11			1	
	C13	3F	. SAME AS C7			1	
-9	C14	4F	. CAPACITOR, FIXED, PLASTIC, 0.01MF, +10%, 100V	107B103K	83125	1	
	C15	4F	. SAME AS C7			1	
	C16	5F	. SAME AS C14			1	
	C17	5F	. SAME AS C3			1	
	C18	6F	. SAME AS C14			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
19	C19	6F	. SAME AS C7			1	
	C20	6F	. SAME AS C14			1	
-10	C21	5D	. CAPACITOR, FIXED, MICA, 68PF, <u>+5%</u> , 500V	DM15-680J	72136	1	
	C22	6D	. SAME AS C14			1	
	C23	6D	. SAME AS C3			1	
	C24	6D	. SAME AS C14			1	
-11	C25	4D	. CAPACITOR, FIXED, MICA, 390PF, <u>+5%</u> , 500V	CD15FD391J03	14655	1	
	C26	5D	. SAME AS C14			1	
	C27	5A	. SAME AS C14			1	
-12	C28	1A	. CAPACITOR, FIXED, ELECTROLYTIC, 18MF, <u>+10%</u> , 20V	CSR13D186KM	81349	1	
	C29	2A	. SAME AS C14			1	
	C30	1B	. SAME AS C4			1	
	C31	1B	. SAME AS C14			1	
-13	CR1	1D	. SEMICONDUCTOR DEVICE, DIODE	1N4608	03508	1	
	CR2	1E	. SAME AS CR1			1	
	CR3	1F	. SAME AS CR1			1	
	CR4	1F	. SAME AS CR1			1	
	CR5	2C	. SAME AS CR1			1	
	CR6	1C	. SAME AS CR1			1	
-14	CR7	1B	. SEMICONDUCTOR DEVICE, DIODE, 5.1V	1N5231B	04713	1	
	CR8	1E	. SAME AS CR7			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
10 -15	Q1	2D	. TRANSISTOR	2N2369A	04713	1	
	Q2	2E	. SAME AS Q1			1	
	Q3	1F	. SAME AS Q1			1	
	Q4	2D	. SAME AS Q1			1	
	Q5	2C	. SAME AS Q1			1	
	Q6	2C	. SAME AS Q1			1	
-16	R1	2D	. RESISTOR, FIXED, FILM, 1K, <u>+5%</u> , 1/4W	RL07S102J	81349	1	
-17	R2	2D	. RESISTOR, FIXED, FILM, 680 OHMS, <u>+5%</u> , 1/4W . .	RL07S681J	81349	1	
	R3	2E	. SAME AS R1			1	
-18	R4	2E	. RESISTOR, FIXED, FILM, 470 OHMS, <u>+5%</u> , 1/4W . .	RL07S471J	81349	1	
-19	R5	2E	. RESISTOR, FIXED, FILM, 2.74K, <u>+1%</u> , 1/4W	RN55D2741F	81349	1	
-20	R6	1E	. RESISTOR, FIXED, FILM, 100 OHMS, <u>+5%</u> , 1/4W . .	RL07S101J	81349	1	
	R7	2E	. SAME AS R1			1	
-21	R8	2G	. RESISTOR, VARIABLE, CERMET, 20K, <u>+10%</u> , 1W . .	3006P1-203	80294	1	
-22	R9	1E	. RESISTOR, FIXED, FILM, 1.5K, <u>+5%</u> , 1/4W	RL07S152J	81349	1	
-23	R10	2E	. RESISTOR, FIXED, FILM, 560 OHMS, <u>+5%</u> , 1/4W . .	RL07S561J	81349	1	
	R11	1F	. SAME AS R1			1	
	R12	1F	. SAME AS R1			1	
-24	R13	1G	. RESISTOR, FIXED, FILM, 4.53K, <u>+1%</u> , 1/4W	RN55D4531F	81349	1	

GROUP ASSEMBLY PARTS LIST

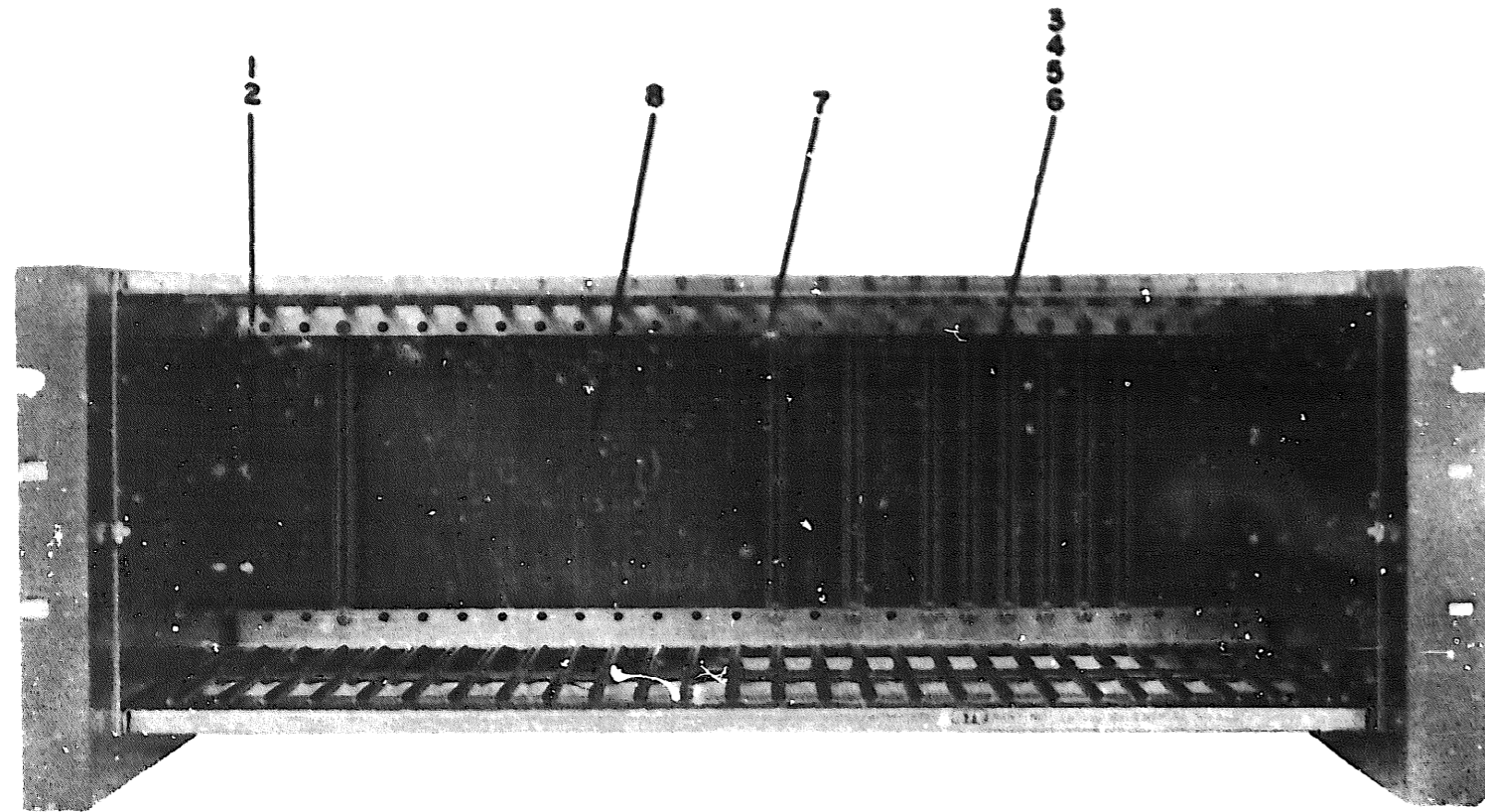
Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable cn Code
10 -25	R14	1G	. RESISTOR, VARIABLE, CERMET, 1K, <u>+10%</u> , 1W .	3006P-1-102	80294	1	
-26	R15	2G	. RESISTOR, FIXED, FILM, 475 OHMS, <u>+1%</u> , 1/4W .	RN55D4750F	81359	1	
-27	R16	2G	. RESISTOR, FIXED, FILM, 681 OHMS, <u>+1%</u> , 1/4W .	RN55D6810F	81349	1	
-28	R17	1G	. RESISTOR, FIXED, FILM, 562 OHMS, <u>+1%</u> , 1/4W .	RN55D5620F	81349	1	
-29	R18	2F	. RESISTOR, FIXED, FILM, 3.3K, <u>+5%</u> , 1/4W	RL07S332J	81349	1	
	R19	2F	. SAME AS R18			1	
	R20	2F	. SAME AS R18			1	
	R21	2F	. SAME AS R1			1	
	R22	2D	. SAME AS R4			1	
-30	R23	2D	. RESISTOR, FIXED, FILM, 2.2K, <u>+5%</u> , 1/4W	RL07S222J	81349	1	
-31	R24	1D	. RESISTOR, FIXED, FILM, 10K, <u>+5%</u> , 1/4W	RL07S103J	81349	1	
	R25	1D	. SAME AS R18			1	
	R26	1C	. SAME AS R18			1	
	R27	1C	. SAME AS R24			1	
	R28	2C	. SAME AS R4			1	
	R29	2D	. SAME AS R23			1	
-32	R30	1C	. RESISTOR, FIXED, FILM, 220 OHMS, <u>+5%</u> , 1/4W . .	RL07S221J	81249	1	
	R31	2C	. SAME AS R24			1	
	R32	2C	. SAME AS R4			1	
	R33	3G	. SAME AS R8			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
10	R34	4G	. SAME AS R5			1	
	R35	5G	. SAME AS R5			1	
	R36	6G	. SAME AS R5			1	
-33	R37	6G	. SAME AS R8			1	
-34	R38	4E	. RESISTOR, FIXED, FILM, 15K, <u>+5%</u> , 1/4W . . .	RL07S153J	81349	1	
	R39	1A	. SAME AS R1			1	
	R40	1A	. SAME AS R1			1	
-35	R41	1A	. RESISTOR, FIXED, FILM, 56 OHMS, <u>+5%</u> , 1/4W. .	RL07S560J	81349	1	
	R42	1A	. SAME AS R41			1	
	R43	2B	. SAME AS R1			1	
	R44	2E	. SAME AS R10			1	
-36	T1	1F	. TRANSFORMER	43A167-864	90095	1	
-37	TP16	TP16	. CONTACT, ELECTRICAL .	61067-1	00779	1	
-38	U1A	6D	. INTEGRATED CIRCUIT, ONE-SHOT MONOSTABLE MULTIVIBRATOR	SN74121N	01295	1	
	U2A	6F	. SAME AS U1A			1	
	U3A	5D	. SAME AS U1A			1	
	U4A	5F	. SAME AS U1A			1	
	U5A	4B	. INTEGRATED CIRCUIT, QUAD 2-INPUT POSITIVE NAND GATE	SN74H00N		1	
		4D	. SAME AS U1A			1	

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
10 - 40	U8A	3 B	. INTEGRATED CIRCUIT, HEX INVERTER.....	SN74H04N	01295	1	
- 41	U9A	3 D	. INTEGRATED CIRCUIT, 8-INPUT POSITIVE-NAND G A T E	SN74H30N	01295	1	
	U10A	3F	. SAME AS U1A			1	
-42	Z1	6B	. OSCILLATOR, 5MHZ . . .	350036		1	
-43			. PRINTED WIRING BOARD .	101358		1	



1025-TA-071

2-71/(2-72 blank) Figure 11. Connector Assembly, Electrical

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
11	A6		CONNECTOR ASSEMBLY, ELECTRICAL (SEE FIGURE 5-6 FOR NHA)	103983		REF	
-1			. TERMINAL, QUICK DISCONNECT	KT48	75382	8	
-2			(ATTACHING PART) . RIVET, BLIND ---*---	CD42BS	07707	8	
-3			. CONNECTOR, ELECTRICAL. (ATTACHING PARTS)	3PN40-9JND3	05574	9	
-4			. SCREW, MACHINE	MS51957-15	96906	18	
-5			. WASHER, FLAT	MS15795-804	96906	18	
-6			. WASHER, LOCK ---*---	MS35338-135	96906	18	
-7			. BUS STRIP	890075		4	
-8			. PRINTED WIRING BOARD .	101344		1	

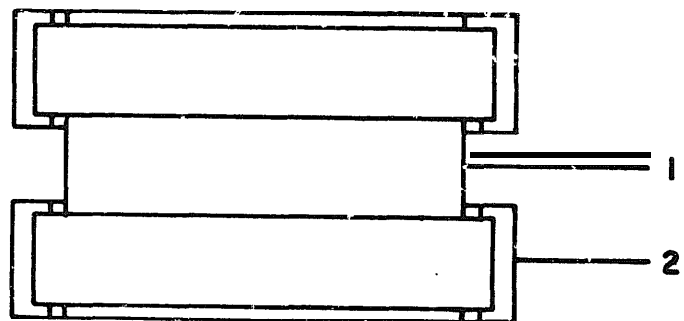


Figure 12. Cable Assembly, Interconnect

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
12	A6		CABLE ASSEMBLY, INTER-CONNECT (SEE FIGURE 1-6 FOR NHA)	102638		REF	
-1			. CABLE, FLAT RIBBON, 28 AWG, 50 CONDUCTOR .	3365-50	75037	AR	
-2			. CONNECTOR PLUG, ELECTRICAL	3415-0001	75037	2	

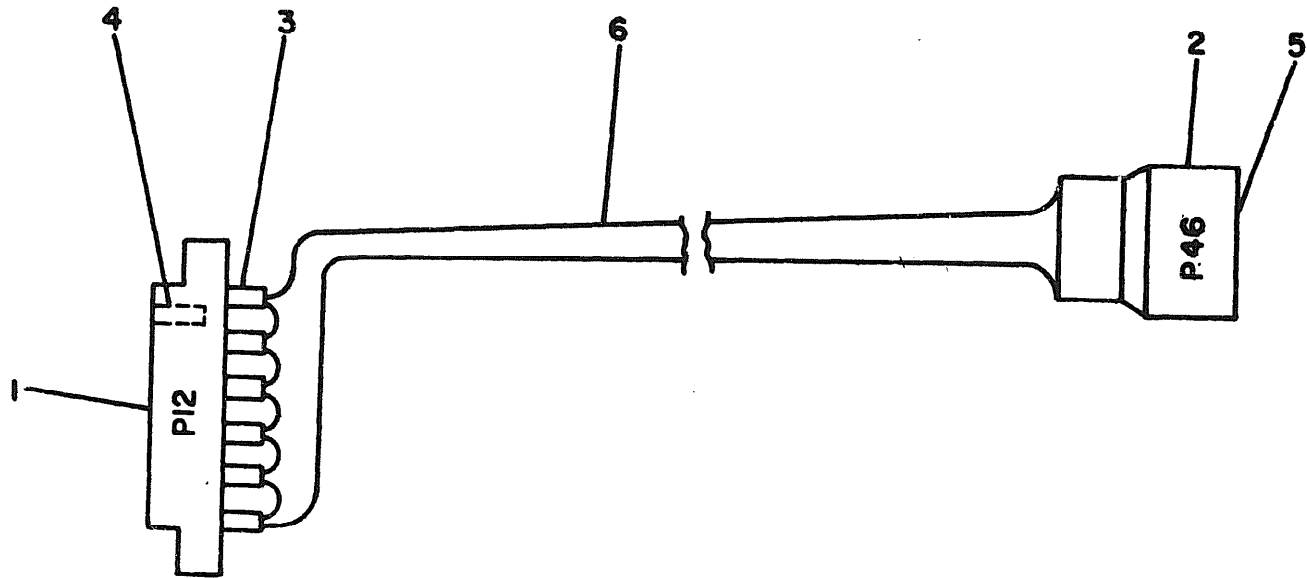


Figure 13. Cable Assembly, Power Sequence

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
13	A7		CABLE ASSEMBLY, POWER SEQUENCE (SEE FIGURE 1-7 FOR NHA)	102651		REF	
-1	P12		. CONNECTOR BODY, RECEPTACLE	583722-1	00779	1	
-2	P46		. CONNECTOR BODY, RECEPTACLE	1-480422-0	00779	1	
-3			. CONTACT, ELECTRICAL .	42840-3	00779	6	
-4			. KEYING PLUG	582501-1	00779	1	
-5			. CONTACT ELECTRICAL .	61064-5	00779	2	
-6			. CABLE, SPECIAL PURPOSE	1243	92194	AR	

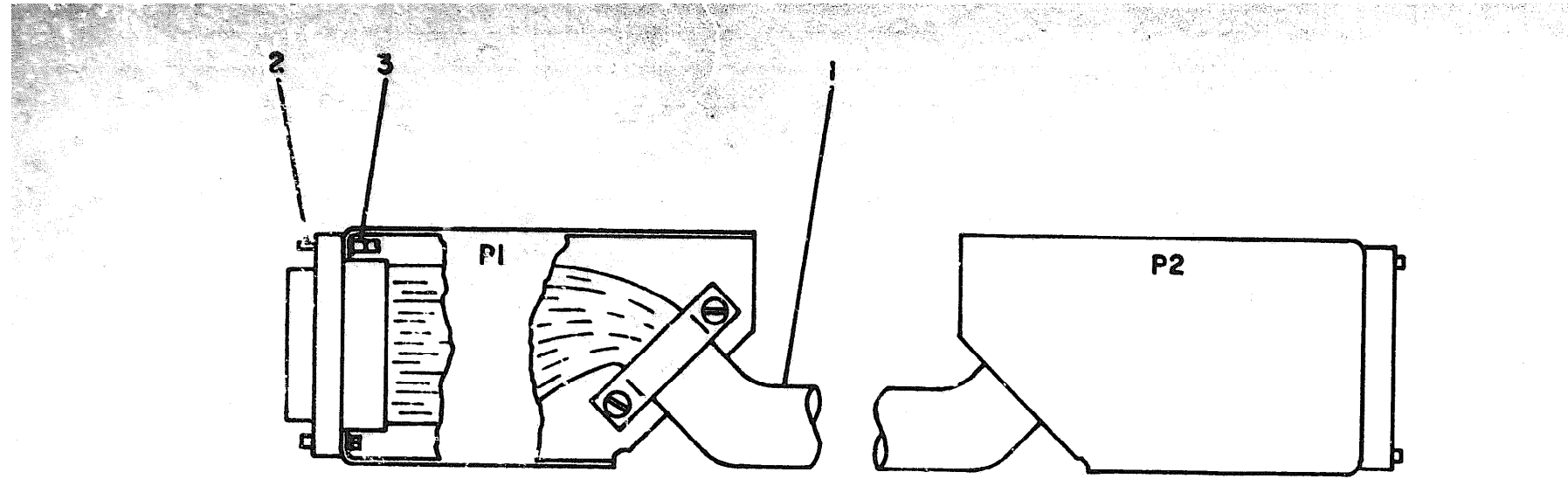


Figure 14. Cable Assembly, Signal

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
14	A8		CABLE ASSEMBLY, SIGNAL (SEE FIGURE 1-8 For NHA)	1Q3919		1	
-1			. 2312 DISC SIGNAL CABLE	356176		1	
-2			. RETAINER, ELECTRICAL	2013882	00779	1	
-3			. TUBING, PLASTIC	FIT221-3-16	92194	AR	

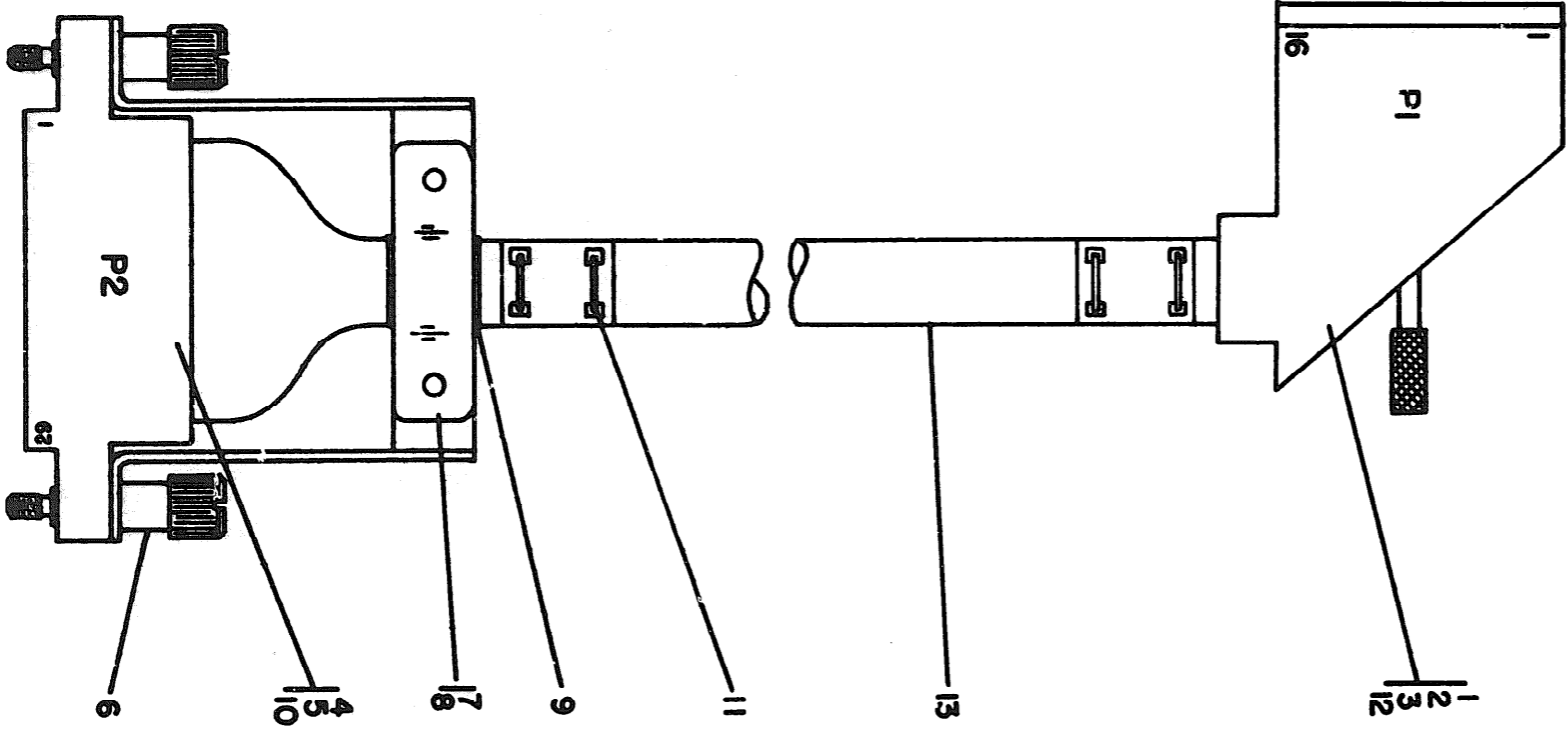


Figure 15. Cable Assembly, High Capacity Disc

GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Ref. Des.	Locator	Description	Part Number	Code Ident	Units Per Assy	Usable on Code
15	A9		CABLE ASSEMBLY, HIGH CAPACITY DISC (SEE FIGURE 1-9 FOR NHA). .	1Ø3999		REF	
-1	P1		. CONNECTOR BODY, PLUG .	2Ø38Ø4-2	ØØ779	1	
-2			.. SHELL, CONNECTOR . . .	2Ø3814-1	ØØ779	1	
-3			.. JACKSCREW, MALE . . .	2Ø388Ø-2	ØØ779	1	
-4	P2		. CONNECTOR ASSEMBLY . .	1Ø2414		1	
-5			.. CONNECTOR, RECEPTABLE	PB4D2D15-1	Ø9922	1	
-6			.. SCREW, CAPTIVE	SJN79ØØ-4E3	Ø8524	2	
-7			.. STRAIN RELIEF	1Ø2377		1	
-8			(ATTACHING PART) .. SCREW, MACHINE ----*----	MS5197-15	Ø69Ø6	2	
-9			BUSHING, RUBBER . . .	AN3420-8	05044	1	
-10			. CONTACT, CRIMP	SPBM24H1	Ø9922	3Ø	
-11			. CABLE TIE	SST1M	Ø6382	4	
-12			. CONTACT, CRIMP	2Ø38Ø2-2	ØØ779	4Ø	
-13			. CABLE, TWISTED PAIR .	52Ø5-2Ø	92194	1ØFT	

SECTION III

NUMERICAL INDEX

Part Number	Stock Number	Figure & Index Number	Qty Per Art	Source Code	Repair Code
AD42ABS	5320 9564067	2-35	6	XBDZZ-	
		3-69	6		
AD43ABS	5320 9044136	5-36	8	PAFZZN	
AD64ABS	5320 4934101	5-26	6	XBFZZ-	
AN3420-8	5365 1416944	15-9	1	XBFZZN	
A87	5940 5497253	4-21	1	PAFZZN	
B87	5940 1561509	4-26	1	PAFZZN	
CD15CD030J03		9-4	1	PAFZZN	
CD15CD180J03	5910 8328080	10-7	6	PAFZZN	
CD15FD221J03	5910 8353249	3-7	1	PAFZZN	
CD15FD391J03	5910 8163142	10-11	1	PAFZZN	
CD42BS	5320 1850893	11-2	8	PAFZZN	
CSR13D186KM	5910 1114993	2-1	2	PAFZZN	
		3-10	7		
		10-12	1		
CSR13F226KM	5910 9986949	2-4	2	PAFZZN	
		6-1	1		
		7-1	1		
		8-2	1		
		9-1	4		
		10-4	2		
C203-360		5-25	2	XBFZZ-	
C36	5940 1559686	4-27	1	PAFZZN	
C931402	5935 4814140	2-32	1	PAFZZN	
		3-63	6		
		6-18	1		
C931602	5935 4814141	3-64	1	PAFZZN	
C932402	5935 3721678	3-65	6	PAFZZN	
DM15-101J	5910 7128655	2-3	3	PAFZZN	
		3-6	1		
		10-5	1		
DM15-121J	5910 4729577	3-8	1	PAFZZN	
DM15-151J	5910 8186093	10-2	2	PAFZZN	
DM15-270J	5910 7131983	10-1	1	PAFZZN	
DM15-330J	5910 5819621	6-4	1	PAFZZN	
		10-3	3		
DM15-680J	5910 7131978	10-10	1	PAFZZN	
D155F271J	5910 6492915	3-9	1	PAFZZN	
		6-3	1		
E5		4-28	1	XBFZZN	
FTT221-3-16	4720 8684516	14-3	AR	XBFZZ-	
KT48	5940 5352622	11-1	8	PAFZZN	
KT53	5940 0042507	5-27	12	PAFZZN	

Part Number	stock Number	Figure & Index Number	Qty Per Art	Source Code	Repair Code
LM301A	5962 5631929	9-21	1	PAFZZN	
MS15795-400	5310 8247157	5-32	4	PAFZZN	
		5-	4		
MS15795-506	5310 9826536	5-62	2	XBFZZ-	
MS15795-804	5310 7821349	2-38	3	XBDZZ-	
		2-	3		
		3-72	3		
		3-	3		
		5-16	6		
		5-	32		
		5-	4		
		11-5	18		
MS15795-805	5310 7225998	4-11	10	PAFZZN	
		4-	4		
MS15795-806	5310 8805976	4-3	6	PAFZZN	
		4-	5		
		4-	4		
		4-	1		
		4-	1		
		5-11	4		
		5-			
MS15795-808	5310 5956772	4-23	1	PAFZZN	
MS15795-842	5310 8839384	5-52	4	PAFZZN	
MS24693S26	5305 9571817	5-40	4	PAFZZN	
MS24693S28	5305 8373343	5-61	2	XBFZZ-	
MS24693S4	5305 9577815	5-15	6	PAFZZN	
		5-	32		
		5-	4		
MS24693S48	5305 9577814	5-31	4	PAFZZN	
		5-	4		
MS3102-24-2S	5935 2285895	4-9	1	PAFZZN	
MS35333-71	5310 6163555	5-9	12	PAFZZN	
MS35335-60	5310 2091239	4-24	1	PAFZZN	
MS35338-135	5310 9338118	2-39	3	XBDZZ-	
		2-	3		
		3-73	3		
		3-	3		
		4-12	4		
		4-	4		
		11-6	18		
MS35338-136	5310 9296395	4-4	6	PAFZZN	
		4-	5		
		4-	4		

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Part Number	Stock Number	Figure & Index Number	Qty Per Art	Source Code	Repair Code
		4-	1		
		4-	1		
		5-41	4		
MS35338-40	5310 5432410	5-17	6	PAFZZN	
		5-	32		
		5-	4		
MS35338-41	5310 0454007	5-63	2	XBFZZ-	
MS35338-42	5310 0453299	5-33	4	PAFZZN	
		5-	4		
MS35338-43	5310 0453296	5-53	4	PAFZZN	
MS35649-204	5310 9349760	4-25	1	PAFZZN	
MS35649-244	5310 9382013	4-13	4	PAFZZN	
		5-18	6		
		5-	32		
		5-	4		
MS35643-264	5310 9349761	4-19	4	PAFZZN	
		4-	1		
		4-	1		
		5-12	4		
		5-	2		
MS35649-284	5310 9349759	5-34	4	PAFZZN	
			4		
MS51957-15	5305 0545649	4-10	4	PAFZZN	
		4-	4		
		11-4	18		
		15-8	2		
MS51957-17	5305 0545651	2-37	3	XBLZZ-	
		2-	3		
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		3-	3		
MS51957-26	5305 0546650	4-2	6	PAFZZN	
MS51957-27	5305 0546651	4-6	5	PAFZZN	
MS51957-31	5305 0546655	4-29	1	PAFZZN	
		4-	1		
MS51957-38	5305 0546662	4-18	4	PAFZZN	
MS51957-63	5305 0509229	4-22	1	PAFZZN	
MS51958-61	5305 0593657	5-51	4	PAFZZN	
N74H00A	5962 2852253	3-30	10	PAFZZN	
N826 2A	5962 1455688	6-17	1	PAFZZN	
PB4D2D15-1	5935 9259059	5-5	1	PAFZZN	
RB14-250F	5940 0736683	5-28	15	PAFZZN	
RL05C101GR	5905 4033044	3-18	1	PAFZZN	
RL07S101J	5905 7275317	9-14	1	PAFZZN	

NUMERICAL INDEX

Part Number	Stock Number	Figure & Index Number	Qty Per Art	Source Code	Repair Code
RL07S102J	5905 7275341	10-20	1	PAFZZN	
		6-5	2		
		9-9	6		
RL07S103J	5905 9133073	10-16	9	PAFZZN	
		9-17	1		
RL07S104J	5905 7644985	10-31	3	PAFZZN	
RL07S151J	5905 7644988	9-10	1	PAFZZN	
		7-3	8	PAFZZN	
RL07S152J	5905 7275346	8-3	8	PAFZZN	
		9-11	2		
RL07S153J	5905 7301499	10-22	1	PAFZZN	
RL07S201J	5905 9904530	10-34	1	PAFZZN	
RL07S221J	5905 9904537	3-14	1	PAFZZN	
RL07S222J	5905 7275355	10-32	1	PAFZZN	
		2-5	7	PAFZZN	
RL07S301J	5905 7275319	10-30	2	PAFZZN	
RL07S330J	5905 7345199	3-15	1	PAFZZN	
		9-16	1	PAFZZN	
RL07S331J	5905 7345199	7-4	8	PAFZZN	
		8-4	8	PAFZZN	
RL07S332J	5905 7685772	3-17	3	PAFZZN	
		10-29	5	PAFZZN	
RL07S392J	5905 9147807	3-16	1	PAFZZN	
RL07S471J	5905 7275324	10-18	4	PAFZZN	
RL07S472J	5905 7301489	9-15	1	PAFZZN	
RL07S473J	5905 7647719	9-12	2	PAFZZN	
RL07S560J	5905 7275315	10-35	2	PAFZZN	
RL07S561J	5905 7275326	10-23	2	PAFZZN	
RL07S681J	5905 7275328	3-13	7	PAFZZN	
		9-18	1	PAFZZN	
RL07S682J	5905 7301493	10-17	1	PAFZZN	
RL07S683J	5905 7301512	2-6	3	PAFZZN	
RN55D2741F	5905 0602467	9-13	1	PAFZZN	
		3-19	4	PAFZZN	
RN55D4531F	5905 7835087	10-19	4	PAFZZN	
RN55D4750F	5905 9642372	10-24	1	PAFZZN	
RN55D5620F	5905 9659120	10-26	1	PAFZZN	
RN55D6810F	5905 9581587	10-28	1	PAFZZN	
SJN7900-4E3		10-27	1	PAFZZN	
SN74H00N	5962 1937555	15-6	2	XBFZZN	
SN74H01F	5962 1465043	10-39	1	PAFZZN	
		3-61	1	PAFZZN	

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Part Number	Stock Number	Figure & Index Number	Qty Per Art	Source Code	Repair Code
SN74H04N	5962 1392849	3-20	11	PAFZZN	
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		10-40	1		
SN74H05N	5962 1465044	3-59	4	PAFZZN	
		6-6	1		
		7-7	1		
SN74H10N	5962 1392850	3-32	5	PAFZZN	
SN74H108N		2-11	1	PAFZZN	
		3-31	1		
SN74H11N	5962 4954981	3-40	2	PAFZZN	
SN74H20N	5962 1630151	3-24	2	PAFZZN	
SN74H30N	5962 1589540	3-60	1	PAFZZN	
		10-41	1		
SN74H40N	5962 4654904	3-43	1	PAFZZN	
SN74H53N	5962 4954968	3-21	1	PAFZZN	
SN74H74N	5962 9364963	3-25	5	PAFZZN	
SN74S00N	5962 3089782	3-35	1	PAFZZN	
SN74S124N		3-44	1	PAFZZN	
SN74S138N		3-39	1	PAFZZN	
SN74S153N		3-22	1	PAFZZN	
SN74S37N		3-50	3	PAFZZN	
SN74S38N		3-48	5	PAFZZN	
SN7400N	5962 8654625	2-9	6	PAFZZN	
		3-58	1		
		6-15	5		
SN7402N	5962 1030990	2-15	1	PAFZZN	
SN7404N	5962 4042559	2-18	15	PAFZZN	
		3-57	7		
		6-11	4		
		7-7	1		
SN7408N	5962 1754567	2-8	5	PAFZZN	
		3-53	1		
SN7410N	5962 8654626	2-13	4	PAFZZN	
		6-16	1		
SN74107N	5962 2769932	2-10	4	PAFZZN	
		6-12	4		
SN74121N	5962 4465867	6-8	1	PAFZZN	
		10-38	7		
SN74122N	5962 1725569	6-7	1	PAFZZN	
SN7414N	5962 2770132	7-10	1	PAFZZN	
		8-7	2		
SN74151AN		2-26	8	PAFZZN	
		3-33	2		

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Part Number	Stock Number	Figure & Index Number	Qty Per Art	Source Code	Repair Code
SN74153N	5962 1725586	3-23	13	PAFZZN	
SN74154N	5962 2504824	2-28	1	PAFZZN	
SN74157N	5962 2770188	2-23	6	PAFZZN	
		3-29	7		
SN74161N	5962 3271155	2-19	1	PAFZZN	
		3-47	4		
SN74175N	5962 1630145	2-7	11	PAFZZN	
		3-36	1		
SN74181N	5962 1673459	3-26	2	PAFZZN	
SN74191N	5962 9364946	3-37	1	PAFZZN	
SN74197N	5962 9363559	3-52	5	PAFZZN	
SN74198N		2-31	1	PAFZZN	
		3-27	3		
SN7420N	5962 9271567	2-22	5	PAFZZN	
		3-55	1		
		6-13	2		
SN74221N		2-20	2	PAFZZN	
		3-56	2		
SN7425N	5962 5307236	3-34	2	PAFZZN	
SN74298N	5962 1488130	3-62	4	PAFZZN	
SN7430N	5962 2560343	2-14	4	PAFZZN	
SN7438N	5962 9363416	2-24	7	PAFZZN	
		7-6	3		
		8-6	2		
SN7442N	5962 1930329	2-21	1	PAFZZN	
		3-46	5		
		6-14	1		
SN7474N	5962 1064287	2-12	6	PAFZZN	
		3-51	6		
SN7485N	5962 2770098	2-25	1	PAFZZN	
SN7486N	5962 1474528	2-16	2	PAFZZN	
SN7489N	5962 1725581	2-27	2	PAFZZN	
		3-41	6		
SPBM24H1	5999 4701454	15-10	30	XBFZZN	
SR6N3-4	5975 4853150	5-29	1	PAFZZN	
SST1M	5975 7275153	15-11	4	XBFZZN	
TF154CC	5945 9361438	9-7	2	PAFZZN	
UPG111-1-6-2-303		4-1	1	PAFZZN	
1-480422-0	5935 1754559	4-15	1	PAFZZN	
		13-2	1		
1-480423-0	5935 2367556	5-21	2	PAFZZN	
1N4002	5961 8804783	9-5	7	PAFZZN	
1N4608	5961 1858195	9-6	6	PAFZZN	

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1N5231B	5961 4376394	10-13	6		
101307		10-14	2	PAFZZN	
101335		5-30	2	XBFZZ-	
101344		1-4	1	AFFFF-	
101346		11-5	1	XAFZZ-	
101347		4-30	1	XBFZZN	
101358		4-38	1	XBFZZN	
101395		10-43	1	XADZZ-	
101440		9-25	1	XADZZ-	
101625		5-35	1	XBFZZ-	
		2-34	6	XBDZZ-	
		3-68	6		
101823		2-36	1	XBDZZ-	
		3-70	1		
101897		2-40	1	XBDZZ-	
		3-74	1		
102377		15-7	1	XBFZZ-	
102414		15-4	1	XBFZZN	
102638		1-6	1	PBFZZN	
102651		1-7	1	AFFFF-	
1037-1-05	5940 9397825	5-7	4	PAFZZN	
103919		1-8	1	PBFZZ-	
103966		5-1	1	PAFDDT	
103967		6-20	1	XADZZ-	
103968		5-2	1	PAFDDT	
103969		7-11	1	XADZZ-	
103970		5-3	1	PAFDDT	
103971		8-8	1	XADZZ-	
103976-01		5-37	1	XBFZZ-	
103976-02		5-38	1	XBFZZ-	
103977		5-39	1	XBFZZ-	
103979		5-4	1	PAFDDT	
103982		1-5	1	AFFFF-	
103983		5-6	1	AFFFF-	
103999		1-9	3	PFBZ-	
104013		3-76	1	XADZZ-	
104093		1	1	AFFFF-	
104094		2-41	1	XADZZ-	
104095		1-2	1	PAFDDT	
104103		3-5	1	PAFDDT	
104104		1-3	1	AFFFF-	
104222-01		3-38	1	PAFZZN	
104223-01		3-42	1	PAFZZN	

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104224-01		3-28	1	PAFZZN	
104262-01		3-3	1	PAFZZN	
104263-01		3-1	1	PAFZZN	
104264		3-4	1	PAFZZN	
104265		3-2	1	PAFZZN	
104295		5-5	1	PAFDDT	
107B103K	5910 2267142	9-3	2	PAFZZN	
		10-9	10		
107B472M		10-6	1	PAFZZN	
1243	6145 6306660	5-65	7 FT	XBFZZ-	
		13-6	AR		
1417	5940 2795350	4-5	5	PAFZZN	
17419	6150 0711180	4-31	1	PAFZZN	
		5-42	1		
2-43332-1	5340 8975192	5-43		PAFZZN	
2N2369A	5961 4692735	10-15	6	PAFZZN	
2N3725	5961 5743850	9-8	3	PAFZZN	
200874-1	5935 0530331	5-44	1	PAFZZN	
200875-1	5307 9674054	5-45	1	PAFZZN	
201037-1	5935 9686934	5-20	1	PAFZZN	
201388-2	5935 4610028	14-2	1	PAFZZN	
202478-2		5-19	8	PAFZZN	
203802-2		15-12	40	XBFZZN	
203804-2	5935 1392633	15-1	1	PAFZZN	
203814-1	5340 4709537	15-2	1	PAFZZN	
203879-1	5935 1392635	5-46	3	PAFZZN	
203880-2	5935 1392636	15-3	1	PAFZZN	
215B1B104M		10-8	2	PAFZZN	
2527	5305 7534173	5-8	4	PAFZZN	
298	6145 1604775	3-75	AR	XBFZZ-	
3-204457-6		5-14	3	PAFZZN	
3PN40-9JND3		11-3	9	PAFZZN	
30040-1	5945 7581335	9-23	2	PAFZZN	
30055-5	5935 8665894	9-22	2	PAFZZN	
3006P1-102	5905 1074881	10-25	1	PAFZZN	
3006P1-203	5905 3962988	10-21	3	PAFZZN	
3071-1		5-66	2 FT	XBFZZ-	
3079-1		4-36	AR	XBFZZ-	
311010	5920 9623567	4-8	1	PAFZZN	
313001	5920 1377570	4-7	1	PAFZZN	
		5-13	1		
3252-1		4-37	AR	XBFZZ-	
		5-67	90FT		

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		9-24	1FT		
329029	5940 9648732	5-47	8	PAFZZN	
329051	5970 7344613	5-48	8	PAFZZN	
329069	5935 7862382	5-49	8	PAFZZN	
3303	5975 5181908	4-32	1	PAFZZN	
3365-50		12-1	AR	XAFZZ-	
3415-0001		12-2	2	XAFZZ-	
342022	5920 5560144	4-20	2	PAFZZN	
		5-24	1		
350036		10-42	1	PAFZZN	
350045		5-50	1	PAFDDT	
350176		14-1	1	XBFZZ-	
350199		1-1	1	AFFFF-	
39D128G025HJ4		9-2	1	PAFZZN	
42840-3	5999 1465069	13-3	6	PAFZZN	
43A167-964		10-36	1	PAFZZN	
45815	5935 3682570	4-14	1	PAFZZN	
5201		5-68	136FT	XBFZZ-	
5205-20		15-13	10FT	XBFZZN	
5355-1		5-54	2	XBFZZ-	
5607-14	5310 9941649	5-10	4	PAFZZN	
582501-1	5935 9098601	13-4	1	PAFZZN	
583722-1		13-1	1	PAFZZN	
5853-1		5-69	6FT	XBFZZ-	
5951-6	4720 8684516	5-70	24FT	XBFZZ-	
60789-3	5935 3282266	5-55	32	PAFZZN	
61062-5		5-59	4	PAFZZN	
61064-5		4-16	2	PAFZZN	
		13-5	2		
61067-1	5999 1398777	5-56	32	PAFZZN	
		7-5	1		
		8-5	1		
		9-20	1		
		10-37	1		
614DG5	5935 5289003	2-33	1	PAFZZN	
		3-66	6		
		6-19	1		
		5-23	7	PAFZZN	
65051-1	5999 3748525	5-57	32	PAFZZN	
66258-3		5-58	116	XBFZZ-	
66428-3		3-12	1	PAFZZN	
70F186A1		9-19	1	PAFZZN	
7101SYZ	5930 1550808	5-71	110FT	XBFZZ-	
770017		2-29	1	PAFZZN	
800201					

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805-00025V0-103Z	5910 2333339	2-2	40	PAFZZN	
		3-11	96		
		6-2	11		
		7-2	8		
		8-1	6		
830095		2-17	6	PAFZZN	
		3-49	1		
		6-10	1		
		7-8	1		
830096		2-30	1	PAFZZN	
		3-45	2		
831	5340 8099879	4-33	1	XBFZZN	
840005		4-17	1	PAFZZN	
841		5-60	2	XBFZZ-	
870063		3-67	1	PAFZZN	
8713		4-34	4	XBFZZN	
890075		11-7	4	XBFZZ-	
9N02/7402		3-54	2	PAFZZN	
9420		4-35	16FT	XBFZZN	

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1A2	2-35	AD42ABS
1A2	2-36	101823
1A2	2-37	MS51957-17
1A2	2-38	MS15795-804
1A2	2-39	MS35338-135
1A2	2-40	101897
1A2	2-37	MS51957-17
1A2	2-38	MS15795-804
1A2	2-39	MS355338-135
1A2	2-41	104094
1A2C1	2-1	CSR13D186KM
1A2C2	2-2	805-000Z5V0-103Z
1A2C3	2-2	805-000Z5V0-103Z
1A2C4	2-2	805-000Z5V0-103Z
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1A2C6	2-2	805-000Z5V0-103Z
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1A2C25	2-2	805-000Z5V0-103Z
1A2C26	2-2	805-000Z5V0-103Z
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1A2C39	2-2	805-00025V0-103Z
1A2C40	2-2	805-00025V0-103Z
1A2C41	2-2	805-00025V0-103Z
1A2C42	2-2	805-00025V0-103Z
1A2C43	2-2	805-00025V0-103Z
1A2C44	2-4	CSR13F226KM
1A2C45	2-4	CSR13F226KM
1A2C46	2-1	CSR13D186KM
1A2C47	2-3	DM15-101J
1A2R1	2-5	RL07S222J
1A2R2	2-5	RL07S222J
1A2R3	2-5	RL07S222J
1A2R4	2-5	RL07S222J
1A2R5	2-5	RL07S222J
1A2R6	2-5	RL07S222J
1A2R7	2-6	RL07S682J
1A2R8	2-6	RL07S682J
1A2R9	2-6	RL07S682J
1A2R10	2-5	RL07S222J
1A2U1	2-7	SN74175N
1A2U2	2-7	SN74175N
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1A2U26	2-10	SN74107N
1A2U27	2-10	SN74107N
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1A2U36	2-18	SN7404N
1A2U37	2-21	SN7442N
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1A2U40	2-13	SN7410N
1A2U41	2-9	SN7400N
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1A2U43	2-23	SN74157N
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1A2U47	2-18	SN7404N
1A2U48	2-9	SN7400N
1A2U49	2-18	SN7404N
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1A2U51	2-14	SN7430N
1A2U52	2-9	SN7400N
1A2U53	2-23	SN74157N
1A2U54	2-23	SN74157N
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1A2U64	2-23	SN74157N
1A2U65	2-23	SN74157N
1A2U66	2-18	SN7404N
1A2U67	2-17	830095
1A2U68	2-26	SN74151AN
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1A2U70	2-26	SN74151AN
1A2U71	2-27	SN7489N
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1A2U73	2-8	SN7408N
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1A2U81	2-26	SN74151AN
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1A2U85	2-9	SN7400N
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1A2U90	2-26	SN74151AN
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1A2U92	2-26	SN74151AN
1A2U93	2-30	830096
1A2U94	2-18	SN7404N
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1A3C3	3-7	CD15FD221JØ3
1A3C4	3-8	DM15-121J
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1A3C7	3-1Ø	CSR13D186KM
1A3C8	3-1Ø	CSR13D186KM
1A3C9	3-1Ø	CSR13D186KM
1A3C1Ø	3-1Ø	CSR13D186KM
1A3C11	3-1Ø	CSR13D186KM
1A3C12	3-1Ø	CSR13D186KM
1A3C13	3-11	8Ø5-ØØØZ5VØ-1Ø3Z
1A3C14	3-11	8Ø5-ØØØZ5VØ-1Ø3Z
1A3C15	3-11	8Ø5-ØØØZ5VØ-1Ø3Z
1A3C16	3-11	8Ø5-ØØØZ5VØ-1Ø3Z
1A3C17	3-11	8Ø5-ØØØZ5VØ-1Ø3Z
1A3C18	3-11	8Ø5-ØØØZ5VØ-1Ø3Z
1A3C19	3-11	8Ø5-ØØØZ5VØ-1Ø3Z
1A3C2Ø	3-11	8Ø5-ØØØZ5VØ-1Ø3Z
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1A3C22	3-11	8Ø5-ØØØZ5VØ-1Ø3Z
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1A3C36	3-11	805-000Z5V0-103Z
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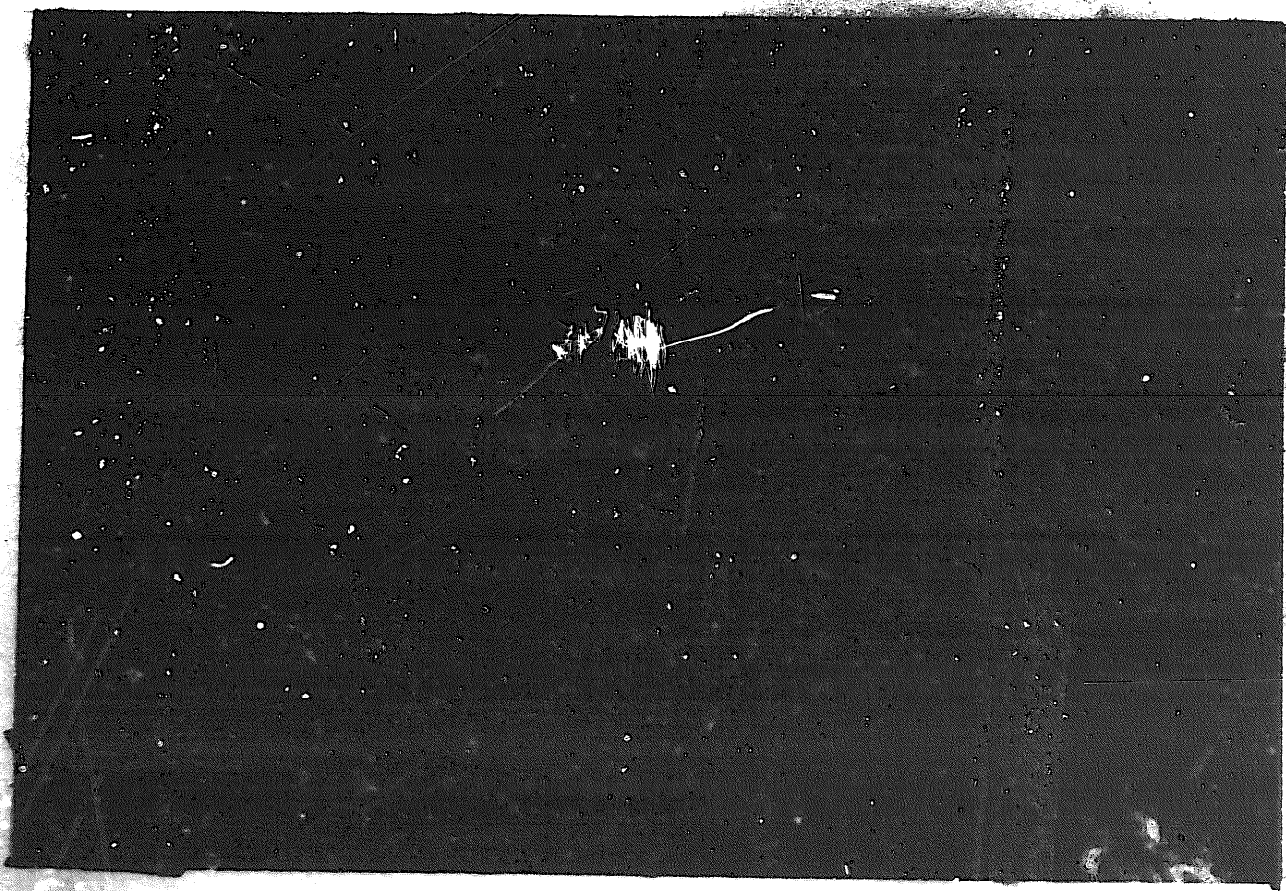


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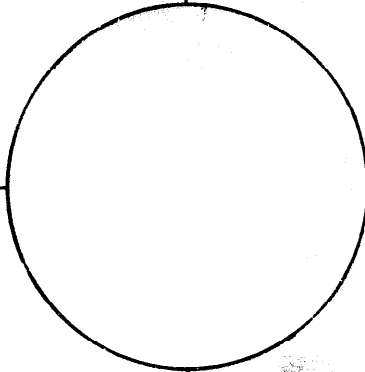
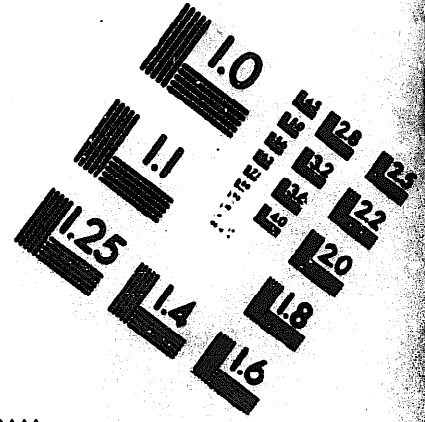
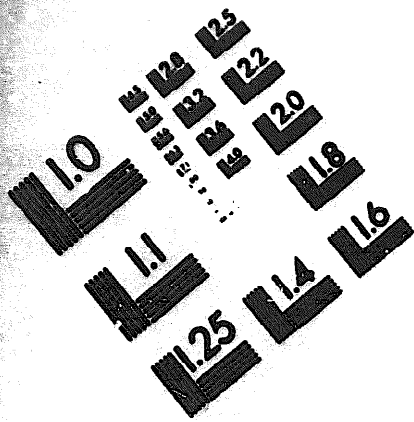
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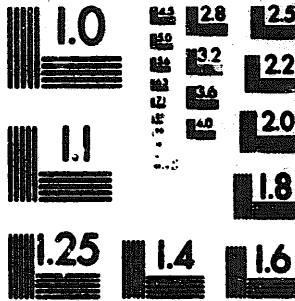
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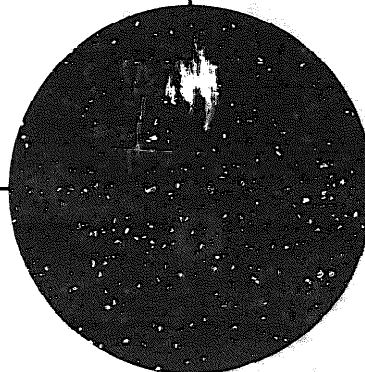
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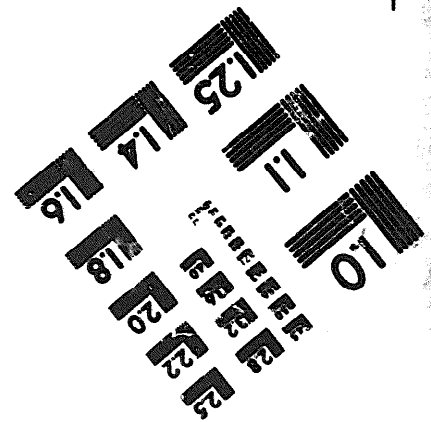
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200 MM



250 MM

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