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FIELD MAINTENANCE PRINT SET

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A-PS-1701898-0-0	CABLE ASSY, 50 COND
B-DD-H7868-0-0	S-BOX POWER SUPPLY (DD ONLY)
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UNIT VARIATIONS COVERED BY THIS PRINT SET

650QS-A2
650QS-A3
650QS-B2
650QS-B3
650QS-C2
650QS-C3
650QS-D2
650QS-D3
650QS-E2
650QS-E3
650QS-F2
650QS-F3
650QS-H2
650QS-H3
650QS-J2
650QS-J3
650QS-K2
650QS-K3
650QS-L2
650QS-L3
650QS-M2
650QS-M3
650QS-N2
650QS-N3

FIELD MAINTENANCE PRINT SET

DIGITAL EQUIPMENT CORPORATION

PRINT SET ORDER NO .

MP-02538-01 REV D1

REVISION HISTORY

REV	ECO NUMBER	DATE
A	INITIAL	- -
B	CTS002	05-MAY-88
C	CTS003	18-OCT-88
D	MK004	27-FEB-89
E	MK005	08-AUG-89
F	MK007	11-OCT-89
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		- -
		- -
		- -

CONT. REVISION HISTORY

REV	ECO NUMBER	DATE
		- -
		- -
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		- -
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		- -
		- -

MADE BY : J. CORMIER
DATE : 17-APR-87

CHECKED BY : D. HEALY
DATE : 24-AUG-87

PROJECT ENGR : G. LIDINGTON
DATE : 24-AUG-87

RSPBLE ENGR : G. LIDINGTON
DATE : 24-AUG-87

FIELD SERVICE : W. ANDREWS
DATE : 24-AUG-87

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TITLE: FIELD MAINTENANCE PRINT SET

650QS PEDESTAL
BA213

SIZE	CODE	DOCUMENT NUMBER	REV.
K	TC	650QS-0-0	F

SHEET 1 OF 1 EDIT : 7

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ILLUSTRATED PARTS BREAKDOWN

650QS

PEDESTAL SYSTEM

HOW TO USE THE IPB

GENERAL
This IPB is compiled following the organization and nomenclature of the engineering drawing structure.

MAJOR ASSEMBLY LOCATOR (When Applicable)
The Major Assembly Locator (first illustration) is an index that provides a description and a figure reference for all illustrations used in this manual.

INDENTED PARTS LIST
This manual identifies each assembly being broken down (figure reference callout), and all parts of that assembly. Further breakdown of an assembly is shown by an asterisk (*) preceding the item callouts in the Description Column. The number of asterisks preceding an item is used to denote the subordination of that item with respect to the Major Assembly. A single asterisk preceding an item description indicates that the item is part of the major assembly being illustrated. Items that are subordinate to single asterisks items, are denoted by two asterisks (**) and immediately follow the related single asterisk item. This system of part identification provides a means for the user to identify the next higher assembly item and make alternate selections for parts when the required replacement part of assembly is not immediately available.

COLUMN CALLOUT DESCRIPTION
Figure and Item - Indicates the figure number and item number of each part.

Description - Lists the name of the part and pertinent specifications (when required). Asterisks preceding the description denote the subordination of the part to the next higher assembly.

DEC Part No. - Lists the Digital part ordering number. A blank in this column indicates a Digital part number was not assigned at the time of publication.

ECO Cut-In - The notation at the top of this column indicates the ECO level of the system (option), at which the IPB was initially prepared. Subsequent ECO level designations, that modify existing parts or add new parts to the device, are inserted in the ECO Cut-In column next to the part that is added or modified.

Used On Code - Letters in this column correspond to the variation codes assigned in Figure 1. Parts with an Alpha notation(s) are used only in those option variations. A blank indicates that the part is used on all option variations.

Ref Fig No. - A cross reference between illustrations. For each Major Assembly, the number in this column denotes the figure of the next higher assembly.
For all subassemblies, the number in this column denotes the figure showing additional detailed breakdown.

PART NUMBER/PART DESCRIPTION SORT SECTION
Parts are sorted both numerically and alphabetically by description, referenced to a location within the IPB, by figure number and item number.

REVISION HISTORY				OTHER IPB MANUALS REFERENCED
PRINTING	ECO LEVEL		DATE	
3rd Printing	650QS	00000-00007	04-DEC-89	EK-BA213-IP
	70-24227	00002-00002		
	70-23988	00000-00001		
	70-24046	00001-00002		
	70-24037	00001-00003		
	70-24041	00000-00000		

REVISION HISTORY
ECO NUMBER: B-IB-650QS LJ0001
REV: C
DATE: 12-89

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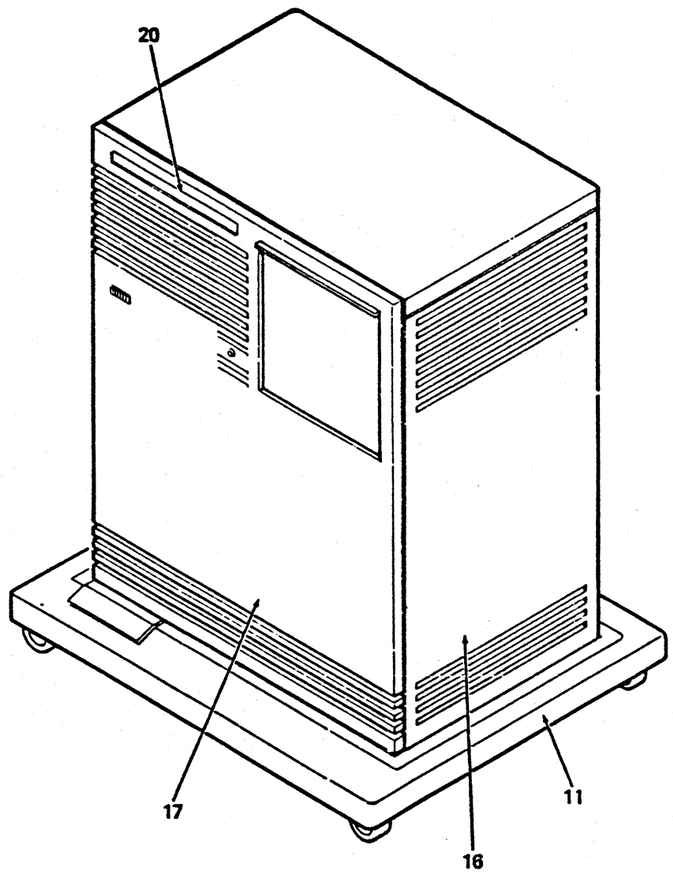
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IPB WRITER	D.RYAN	DATE 5-27-88
CHK'D	R. CHRISTENSEN	DATE 5-27-88
ENGINEERING	R. LIGENZA	DATE 5-27-88
CSSE		DATE
OTHER		DATE
NEXT HIGHER DOC		

TITLE: digital
ILLUSTRATED BREAKDOWN FOR 650QS PEDESTAL SYSTEM
DOCUMENT NUMBER: B IB 650QS-0-0 REV C
SCALE 1/1 SHEET 1 OF 17

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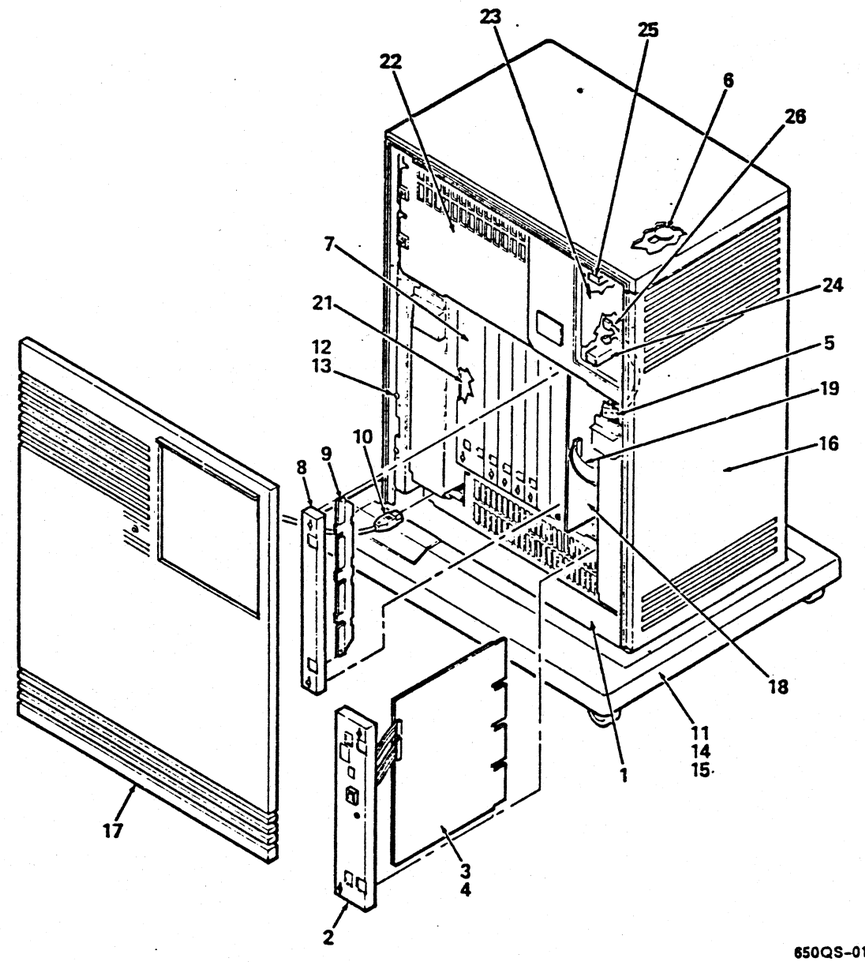
PARTS LIST



650QS-01-BD

Figure 1. 650QS Pedestal System (Sheet 1 of 2)

PARTS LIST



650QS-01A-BD

Figure 1. 650QS Pedestal System (Sheet 2 of 2)

TITLE	SIZE	NUMBER	REV
ILLUSTRATED BREAKDOWN FOR 650QS PEDESTAL SYSTEM	B IB	650QS-0-0	C
SCALE 1/1 SHEET 2 OF 17	DIST		

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FIG.& ITEM NO.	DESCRIPTION	DEC PART NO. F	ECO CUT-IN 650QS 00000	USED ON CODE	REF FIG NO.
1-	650QS PEDESTAL SYSTEM				
	Code A - Used on 650QS-A2 120V (Timeshare, w/o Skins)	650QS-A2		A	
	Code B - Used on 650QS-A3 240V (Timeshare, w/o Skins)	650QS-A3		B	
	Code C - Used on 650QS-B2 120V (Timeshare, w/Skins)	650QS-B2		C	
	Code D - Used on 650QS-B3 240V (Timeshare, w/Skins)	650QS-B3		D	
	Code E - Used on 650QS-C2 120V (Timeshare, w/o Skins, Rack Kit)	650QS-C2		E	
	Code F - Used on 650QS-C3 240V (Timeshare, w/o Skins, Rack Kit)	650QS-C3		F	
	Code G - Used on 650QS-D2 120V (Timeshare, w/o Skins, Wall Kit)	650QS-D2		G	
	Code H - Used on 650QS-D3 240V (Timeshare, w/o Skins, Wall Kit)	650QS-D3		H	
	Code J - Used on 650QS-E2 120V (Server, w/o Skins)	650QS-E2		J	
	Code K - Used on 650QS-E3 240V (Server, w/o Skins)	650QS-E3		K	
	Code L - Used on 650QS-F2 120V (Server, w/Skins)	650QS-F2		L	
	Code M - Used on 650QS-F3 240V (Server, w/Skins)	650QS-F3		M	
	Code N - Used on 650QS-H2 120V (Server, w/o Skins, Rack Kit)	650QS-H2		N	
	Code P - Used on 650QS-H3 240V (Server, w/o Skins, Rack Kit)	650QS-H3		P	
	Code Q - Used on 650QS-J2 120V (Server, w/o Skins, Wall Kit)	650QS-J2		Q	
	Code R - Used on 650QS-J3 240V (Server, w/o Skins, Wall Kit)	650QS-J3		R	
	Code S - Used on 650QS-K2 120V (Timeshare/ 8 Meg. Memory, w/Skins) (added)	650QS-K2	00002	S	
	Code T - Used on 650QS-K3 240V (Timeshare/ 8 Meg. Memory, w/Skins)(added)	650QS-K3	00002	T	
	Code U - Used on 650QS-L2 120V (Timeshare/ 16 Meg. Memory, w/Skins)(added)	650QS-L2	00004	U	
	Code V - Used on 650QS-L3 240V (Timeshare/ 16 Meg. Memory, w/Skins)(added)	650QS-L3	00004	V	
	Code W - Used on 650QS-M2 120V (Server/ 16 Meg. Memory, w/Skins)(added)	650QS-M2	00004	W	

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO. F	ECO CUT-IN 650QS 00000	USED ON CODE	REF FIG NO.
1-					
	Code X - Used on 650QS-M3 240V (Server/ 16 Meg. Memory,w/Skins)(added)	650QS-M3	00004	X	
	Code Y - Used on 650QS-N2 120V (Server/8 Meg. Memory, w/Skins)(added)	650QS-N2	00004	Y	
	Code Z - Used on 650QS-N3 240V (Server/8 Meg. Memory, w/Skins)(added)	650QS-N3	00004	Z	
1	*ENCLOSURE ASSEMBLY, BA213 2 PS 120V	70-24227-03		ACEGJL NQSUWY	1A
	*ENCLOSURE ASSEMBLY, BA213 2 PS 120V	70-24227-04		BDFHKM PRTVXZ	1A
2	*BULKHEAD ASSEMBLY, H3600 MODULE	70-23988-01			2
3	*Module, MVAX CPU	M7620-AA		A-H,S-V	
4	*Module, MVAX CPU, (w/Mod ROM Code)	M7620-BA		J-R,W-Z	
5	*Frame, Switch	74-35417-01		CDLM S-Z	
6	*Plug, Button	90-07064-00		AB,E-K N-R	
7	*Bulkhead Assembly, Front Dual	70-23982-02			
8	*Bulkhead Assembly, Front	70-23981-01			
9	*Panel Assembly, Gap Filler	70-24071-01			
10	*Cord, Power	17-00083-43		ACEGJL NQSUWY	
11	*BASE ASSEMBLY	70-24046-01			3
12	*Screw, Self-Tap Phl Pan Hd No. 8-16 x 1/2	90-09800-08		CDLM S-Z	
13	*Washer, Flat	90-06661-00		CDLM S-Z	
14	*Screw, Sems Phl Pan Hd No.10-32 x 15/16 (Also shown on Fig 3, as Item 9 for Clarity)	90-09282-00		CDLM S-Z	
15	*Fastener, Turn (Also shown on Fig 3, as Item 8 for Clarity)	74-33854-01		CDLM S-Z	
16	*ENCLOSURE ASSEMBLY, SHELL	70-24037-01		CDLM S-Z	4
17	*PANEL ASSEMBLY, FRONT	70-24041-01		CDLM S-Z	5
18	*Module, 8 Meg RAM Memory	MS650-AA		STYZ	
	*Module, 16 Meg RAM Memory	MS650-BA		U-X	

TITLE	SIZE	CODE	NUMBER	REV
ILLUSTRATED BREAKDOWN FOR 650QS PEDESTAL SYSTEM	B	IB	650QS-0-0	C
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FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 650QS 00000	USED ON CODE	REF FIG NO.
1-					
19	*Cable Assembly, 50 Cond Flat	17-01898-01		S-Z	
	*Cable Assembly, 50 Cond Flat	17-01898-02		S-Z	
	*Cable Assembly, 50 Cond Flat	17-01898-03		S-Z	
20	*Nameplate, MicroVAX 3500	74-34425-07		S-V	
	*Nameplate, VAXserver 3500	74-34425-09		W-Z	
	*Nameplate, rtVAX 3500	74-34425-14		W-Z	
21	*Module, Load	M9060-YA			
22	*Panel, Front (See Notes 1 and 2)	70-23995-04		S-Z	
23	*Panel, 5 1/4" Tape Drive Filler (See Note 1)	74-36425-01		S-Z	
24	*Mount Assembly, Bottom Shock (See Note 1) (Replaces 70-23997-01)	70-25452-03	00007		
25	*Mount Assembly, Top Shock (See Note 1) (Replaces 70-23997-02)	70-25452-04	00007		
26	*Harness Assembly, (See Notes 1 and 2)	17-01362-01		S-Z	
	NOTE 1: These items installed on diskless tapeless systems.				
	NOTE 2: These items installed on systems which contain a tape drive, but do not include a disk controller				

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 650QS 00000	USED ON CODE	REF FIG NO.
1-					
	KITS (Not Shown)				
	*KIT, BIZ ACCESSORIES (w/o Skins)	70-24316-01		AEGJNQ	
	**Cable Assembly	17-00811-02			
	**Connector, Adaptor	12-23599-01			
	**Screwdriver, Flat Blade	47-00042-01			
	**Label, "S-Box, Module Utilization"	36-27923-01			
	*KIT, BIZ ACCESSORIES (w/Skins)	70-24316-02		CLSUWY	
	**Key, Plastic	12-17119-01			
	**Cable Assembly	17-00811-02			
	**Connector, Adaptor	12-23599-01			
	**Screwdriver, Flat Blade	47-00042-01			
	**Label, "S-Box, Module Utilization"	36-27923-01			
	*KIT, BIZ ACCESSORIES(w/o Skins)(added)	70-24316-03	00001	BFHKPR	
	**Cable Assembly	17-01364-02			
	**Connector, Adaptor	12-23599-01			
	**Connector, Adaptor	12-23599-05			
	**Screwdriver, Flat Blade	47-00042-01			
	**Label, "S-Box, Module Utilization"	36-27923-01			
	*KIT, BIZ ACCESSORIES(w/o Skins)(added)	70-24316-04	00001	DMTVXZ	
	**Key, Plastic	12-17119-01			
	**Connector, Adaptor	12-23599-01			
	**Connector, Adaptor	12-23599-01			
	**Cable Assembly	17-01364-02			
	**Screwdriver, Flat Blade	47-00042-01			
	**Label, "S-Box, Module Utilization"	36-27923-01			
	*KIT, BA213 LARGE S-BOX RACK MOUNT	BA213-RA		EFNP	
	**Guide, Rack Mount Installation	EK-213RA-IN			
	**Hardware, Rack Mount	70-24263-02			
	***Support, Mounting	74-34638-01			
	***Screw,Sems Phl Pan Hd No.10-32 x 1/2	90-09700-00			
	***U-Nut, Retainer	90-07786-00			
	*KIT, BA213 LARGE S-BOX WALL MOUNT	BA213-WA		GHQR	
	**Guide, Wall Mount Installation	EK-213WA-IN			
	**Hardware, Wall Mount	70-24263-01			
	**Bracket, Wall Mount	74-34432-01			
	***Screw, Sems Phl Pan Hd No. 10-32 x 3/8	90-09228-10			

TITLE	SIZE	CODE	NUMBER	REV
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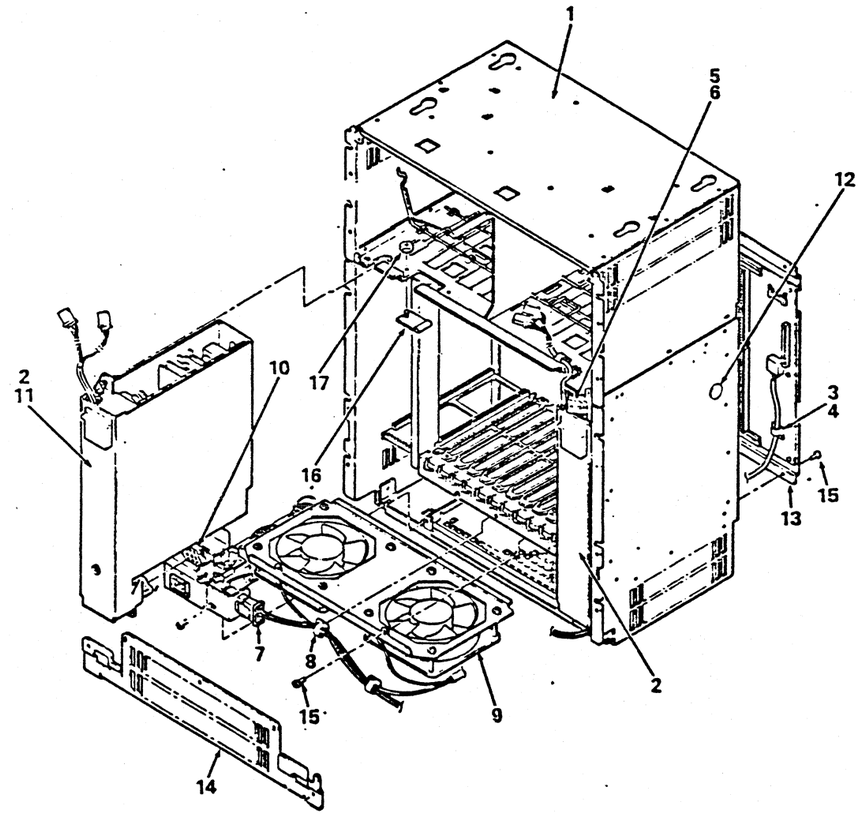
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FIG.& ITEM NO.	DESCRIPTION	DEC PART NO. F	ECO CUT-IN 650QS 00000	USED ON CODE	REF FIG NO.
1-	LABELS (Not Shown)				
	*Label, "Module Number M7620-AA"	36-26883-44		A-H,S-V	
	*Label, "Module Number M7620-BA"	36-26883-56		J-R,W-Z	
	*Label, "Module Number M7621-A"	36-26883-42		STYZ	
	*Label, "Module Number M7622-A"	36-26883-43		U-X	
	*Label, "Module Number M9060-YA"	36-26883-17			
	*Label, "Postcard FTZ"	36-21232-52		BDFHJM PRTVXZ	
	*Label, "Warning Equipment Rating 100-120V"	36-17905-16		ACEGJL NQSUWY	
	*Label, "Warning Equipment Rating 220-240V"	36-17905-17		BDFHKM PRTVXZ	
	*Label, "Serial/Model,100V Made in USA"	36-27329-01		ACEGJL NQSUWY	
	*Label, "Serial/Model 100V Made in UK"	36-27329-02		ACEGJL NRSUWY	
	*Label, "Serial/Model 220V Made in USA"	36-27329-03		BDFHKM PRTVXZ	
	*Label, "Serial/Model 220V Made in UK"	36-27329-04		BDFHKM PRTVXZ	
	*Label, "Pedestal, USA, 100V"	36-27838-01		CLSUWY	
	*Label, "Pedestal, UK, 100V"	36-27838-02		DMTVXZ	
	*Label, "Pedestal, USA 220V"	36-27838-03		DMTVXZ	
	*Label, "Pedestal, UK, 220V"	36-27838-04		CLSUWY	
	*Label, "Caution S-Box Shipping"	36-27924-01			
	*Label, "MicroVAX 3500"	36-27354-12		E-H	
	*Label, "VAXserver 3500"	36-27354-14		N-R	
	*Label, "rtVAX 3500"	36-27354-22		N-R	
	*Label, "MicroVAX 3500, DSSI"	36-27354-29		E-H	
	*Label, "VAXserver 3500, DSSI"	36-27354-30		N-R	
	*Label, "rtVAX 3500, DSSI"	36-27354-31		N-R	
	*Label, "BA2XX" (added)	36-29163-07	00007		

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PARTS LIST



650QS-01B-BD

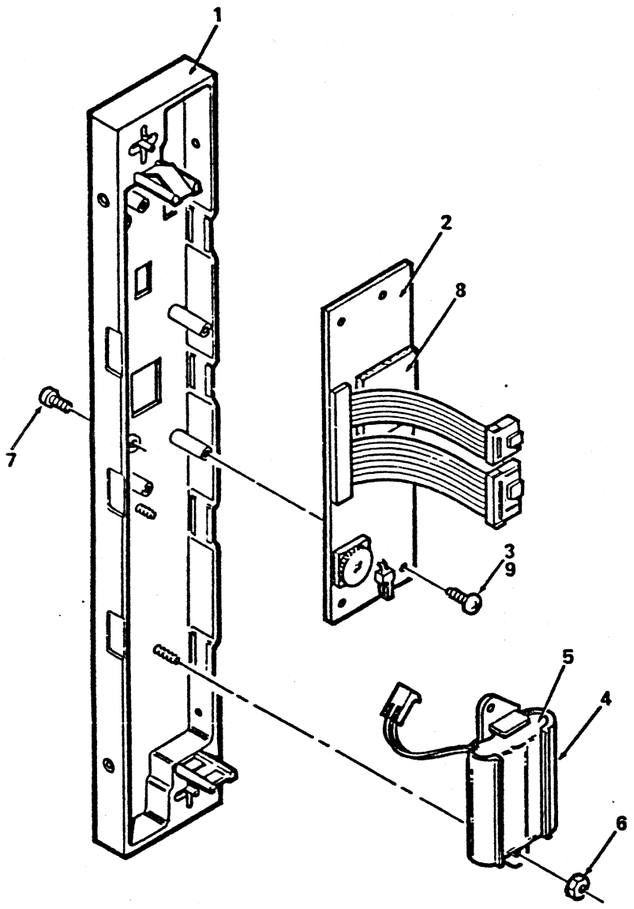
Figure 1A. Enclosure Assembly, BA213

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-24227 00002	USED ON CODE	REF FIG NO.
1A-	ENCLOSURE ASSEMBLY, BA213 2 PS 120V	70-24227-03		AC	1
	ENCLOSURE ASSEMBLY, BA213 2 PS 240V	70-24227-04		BD	1
1	*Frame Assembly, BA213 (See IPB Manual EK-BA213-IP)	70-24255-01			
2	*Power Supply Assembly, H7868-A 100/120V	H7868-A		AC	
	*Power Supply Assembly, H7868-B 220/240V (See IPB Manual EK-BA213-IP)	H7868-B		BD	
3	*Clamp, Cable (deleted)	90-08264-00	00007		
4	*Tie, Cable (deleted)	90-07032-00	00007		
5	*Switch Assembly (See IPB Manual EK-BA213-IP)	70-23999-01			
6	*Nut, Kep No. 6-32	90-08185-00			
7	*Cable Assembly	17-01360-01			
8	*Clip, Wire Routing	12-21249-04			
9	*Fan Assembly (See IPB Manual EK-BA213-IP)	70-23998-01			
10	*Input Assembly, Filter (See IPB Manual EK-BA213-IP)	70-23769-01			
11	*Filler, Power Supply Assembly	70-23996-01			
12	*Plug, Button (added)	90-07064-00	00007		
13	*Backplane Assembly, BA213 (See IPB Manual EK-BA213-IP)	70-23712-01			
14	*Panel Assembly, Access	70-25721-01			
15	*Screw, Self Tap Truss Hd No. 6 x 5/16	90-00063-78			
16	*Plate, Cover (added)	74-37040-01	00003		
17	*Nut, Kep No. 6-32 (added)	90-08185-00	00003		

TITLE	SIZE	NUMBER	REV
ILLUSTRATED BREAKDOWN FOR 650QS PEDESTAL SYSTEM	B IB	650QS-0-0	C
SCALE 1/1	SHEET 6 OF 17	DIST	

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PARTS LIST



650QS-02-BD

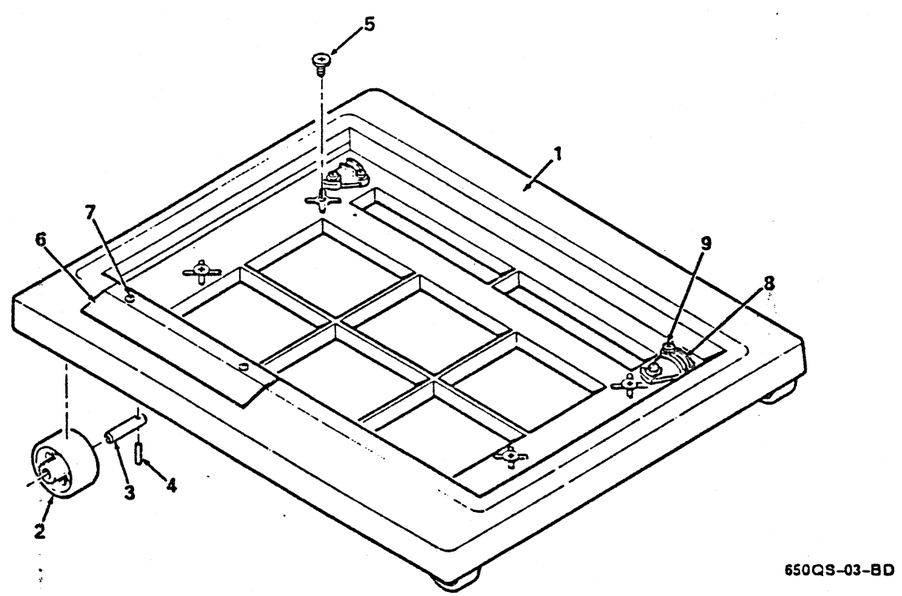
Figure 2. Bulkhead Assembly, H3600 Module

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-23988 00000	USED ON CODE	REF FIG NO.
2-	BULKHEAD ASSEMBLY, H3600 MODULE	70-23988-01			1
1	*Bulkhead, Front Dual Assembly	70-23982-03			
2	*Module, SLU Console	54-17016-01			
3	*Screw, Sems Phl Pan Hd No. 6-32 x 5/16 (deleted)	90-09984-07	00002		
4	*Holder, Battery Pack	74-33477-01			
5	*Battery, 3 Cell	12-19245-01			
6	*Nut, Kep No. 4-40	90-06557-00			
7	*Screw, Sems Phl Pan Hd No. 4-40 x 3/8	90-09643-00			
8	*Tape, Foam	90-08228-00			
9	*Screw, Self-Tap Truss Hd No. 6-32 x 5/16 (added)	90-00063-78	00001		
	LABELS (Not Shown)				
	*Label, "Baud Select"	36-26584-01			
	*Label, "Blank, Paper, Pin Feed" (deleted)	36-23593-01	00002		
	*Label, "International" (added)	36-20560-54	00001		
	*Label, "International" (added)	36-20560-53	00001		
	*Label, "Kapton Blank"	36-27920-01	00002		
	*Label, "Over Laminate Polymide"	36-27921-01	00002		
	*Label, "Black"	36-27922-01	00002		
	*Label, "Direct Thermal"	36-28231-08			

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FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-24046 00001	USED ON CODE	REF FIG NO.
3-	BASE ASSEMBLY	70-24046-01		CD	1
1	*Base, Lower	74-33650-01			
2	*Wheel, Base	74-34068-01			
3	*Shaft, Wheel	74-34069-01			
4	*Pin, Roll	90-09385-00			
5	*Screw, Thread Rolling Shoulder	12-26868-01			
6	*Support, Label	74-34846-01			
7	*Screw, Self-Tap Phl Pan Hd No. 6-19 x 3/8	90-09800-06			
8	*Fastener, Turn (See Note)	74-33854-01			
9	*Screw, Sems Phl Pan Hd No. 10-32 x 15/16 (See Note)	90-09282-00			
	Note : Item part of Figure 1. Shown here for clarity.				



650QS-03-BD

Figure 3. Base Assembly

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ILLUSTRATED BREAKDOWN FOR 650QS PEDESTAL SYSTEM	B IB	650QS-0-0	C
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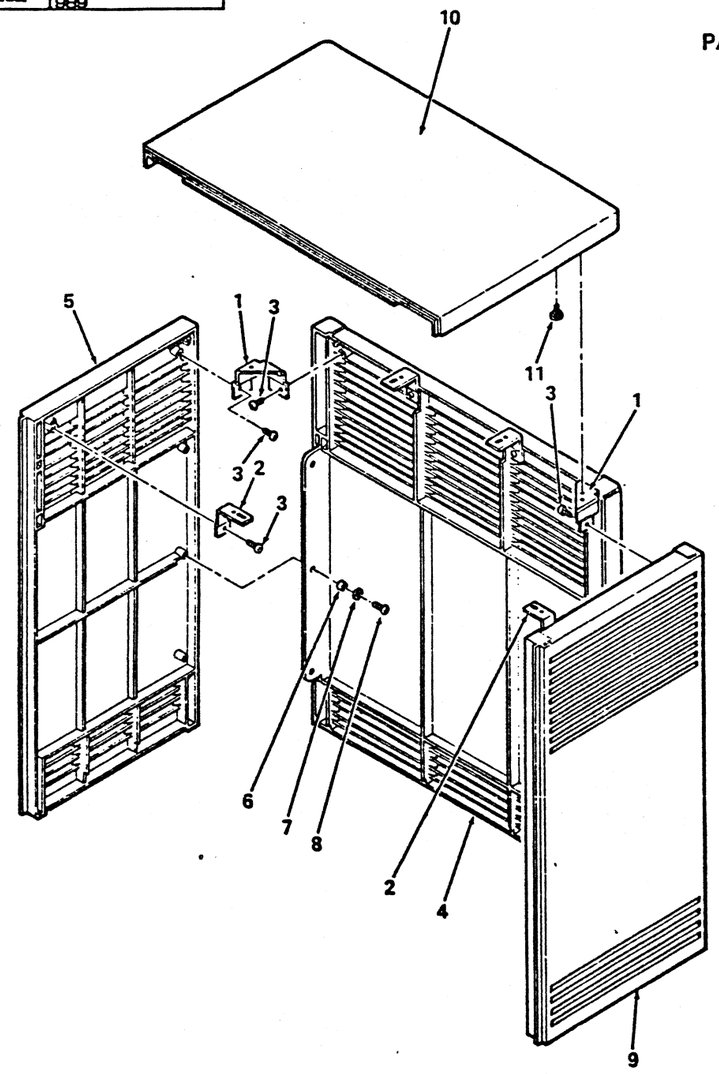


Figure 4. Enclosure Assembly, Shell

PARTS LIST

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-24037 00001	USED ON CODE	REF FIG NO.
4-	ENCLOSURE ASSEMBLY, SHELL	70-24037-J1			1
1	*Bracket, Corner	74-34126-01			
2	*Bracket, Side	74-34125-01			
3	*Screw, Self-Tap Phl Pan Hd No. 8-16 x 3/8	90-09800-04			
4	*Panel, Rear	74-33651-01			
5	*Panel, Left Side	74-33694-01			
6	*Sleeve	74-34424-01			
7	*Washer, Flat	90-06661-00			
8	*Screw, Self-Tap Phl Hd No. 8-16 x 1/2	90-09800-08			
9	*Panel, Right Side	74-33647-01			
10	*Cover, Top	74-33646-01			
11	*Screw, Thread Rolling Shoulder	12-26868-01			

TITLE ILLUSTRATED BREAKDOWN FOR 650QS PEDESTAL SYSTEM | SIZE B | IB | NUMBER 650QS-0-0 | REV C
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PARTS LIST

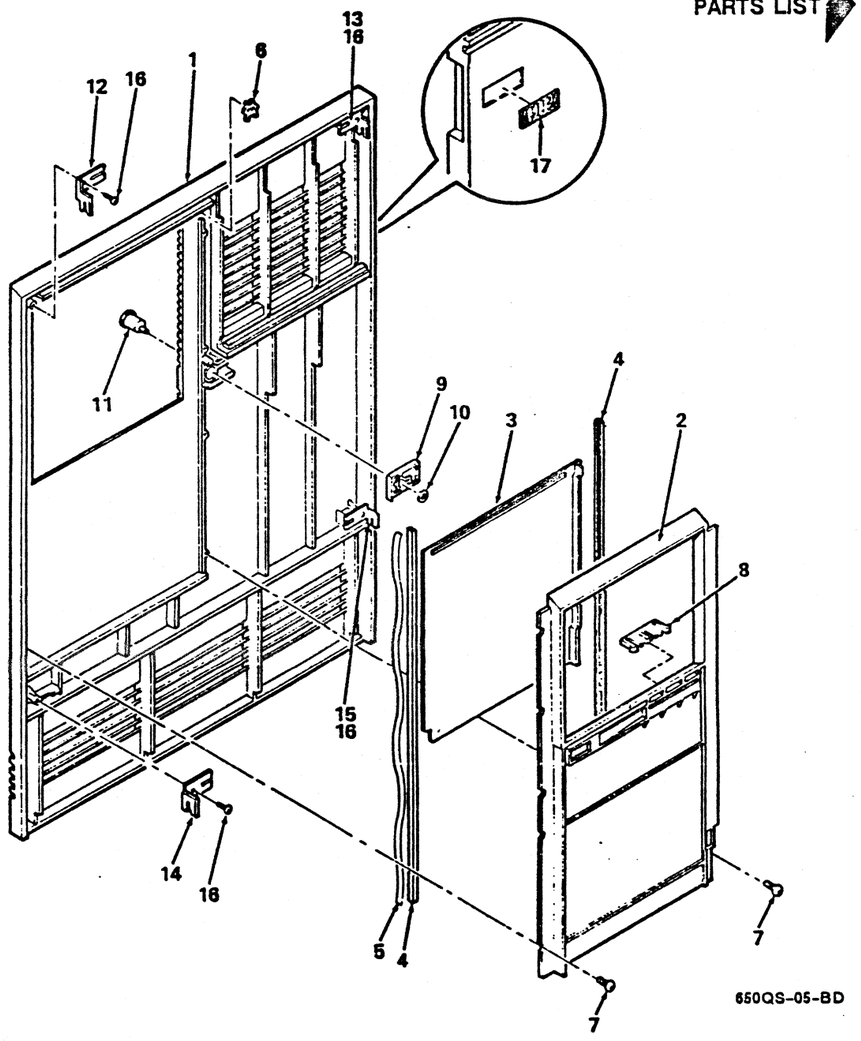


Figure 5. Panel Assembly, Front

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO. A	ECO CUT-IN 70-24041 00000	USED ON CODE	REF FIG NO.
5-	PANEL ASSEMBLY, FRONT	70-24041-01			1
1	*Panel, Front	74-33648-01			
2	*Bezel, Switch	74-34067-01			
3	*Door	74-34061-01			
4	*Channel (Front Panel)	74-34062-01			
5	*Spring, Channel	74-34066-01			
6	*Stop, Door Position	74-34363-01			
7	*Screw, Phl Pan Hd No. 6-19 x 3/8	90-09800-06			
8	*Latch, Pull	74-34064-01			
9	*Latch, Slide	74-34065-01			
10	*Ring, Retainer	90-09257-05			
11	*Tumbler	74-34063-01			
12	*Bracket,Top Right	74-34123-01			
13	*Bracket,Top Left	74-34123-02			
14	*Bracket, Bottom Right	74-34124-01			
15	*Bracket, Bottom Left	74-34124-02			
16	*Screw, Self-Tap Phl Pan Hd No. 8-16 x 3/8	90-09800-04			
17	*Logo	74-34426-01			

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PART NUMBER/DESCRIPTION INDEX

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650QS PEDESTAL SYSTEM INDEX BY DEC PART NUMBER

PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
12-17119-01	Key, Plastic	1	Not Shown
12-19245-01	Battery, 3 Cell	2	5
12-21249-04	Clip, Wire Routing	1A	8
12-23599-01	Connector, Adaptor	1	Not Shown
12-26868-01	Screw, Thread Rolling Shoulder	3	5
12-26868-01	Screw, Thread Rolling Shoulder	4	11
17-00083-43	Cord, Power	1	10
17-00811-02	Cable Assembly	1	Not Shown
17-01360-01	Cable Assembly	1A	7
17-01362-01	Harness Assembly	1	26
17-01364-02	Cable Assembly	1	Not Shown
17-01898-01	Cable Assembly, 50 Cond Flat	1	19
17-01898-02	Cable Assembly, 50 Cond Flat	1	19
17-01898-03	Cable Assembly, 50 Cond Flat	1	19
36-17905-16	Label, "Warning Equipment Rating 100-120V"	1	Not Shown
36-17905-17	Label, "Warning Equipment Rating 220-240V"	1	Not Shown
36-20560-53	Label, "International" (added)	2	Not Shown
36-20560-54	Label, "International" (added)	2	Not Shown
36-21232-52	Label, "Postcard FTZ#"	1	Not Shown
36-23593-01	Label, "Blank, Paper, Pin Feed" (deleted)	2	Not Shown
36-26584-01	Label, "Baud Select"	2	Not Shown
36-26883-17	Label, "Module Number M9060-YA"	1	Not Shown
36-26883-42	Label, "Module Number M7621-A"	1	Not Shown
36-26883-43	Label, "Module Number M7622-A"	1	Not Shown
36-26883-44	Label, "Module Number M7620-AA"	1	Not Shown
36-26883-56	Label, "Module Number M7620-BA"	1	Not Shown
36-27329-01	Label, "Serial/Model, 100V, Made In USA"	1	Not Shown
36-27329-02	Label, "Serial/Model, 100V, Made In UK"	1	Not Shown
36-27329-03	Label, "Serial/Model, 220V, Made In USA"	1	Not Shown
36-27329-04	Label, "Serial/Model, 220V, Made In UK"	1	Not Shown
36-27354-12	Label, "MicroVAX 3500"	1	Not Shown
36-27354-14	Label, "VAXserver 3500"	1	Not Shown
36-27354-22	Label, "rtVAX 3500"	1	Not Shown
36-27354-29	Label, "MicroVAX 3500, DSSI"	1	Not Shown
36-27354-30	Label, "VAXserver 3500, DSSI"	1	Not Shown
36-27354-31	Label, "rtVAX 3500, DSSI"	1	Not Shown
36-27838-01	Label, "Pedestal, USA, 100V"	1	Not Shown
36-27838-02	Label, "Pedestal, UK, 100V"	1	Not Shown
36-27838-03	Label, "Pedestal, USA, 220V"	1	Not Shown
36-27838-04	Label, "Pedestal, UK, 220V"	1	Not Shown
36-27920-01	Label, "Kapton Blank"	2	Not Shown
36-27921-01	Label, "Over Laminate Polymide"	2	Not Shown

650QS PEDESTAL SYSTEM INDEX BY DEC PART NUMBER

PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
36-27922-01	Label, "Black"	2	Not Shown
36-27923-01	Label, "S-Box, Module Utilization"	1	Not Shown
36-27923-01	Label, "S-Box, Module Utilization"	1	Not Shown
36-27924-01	Label, "Caution S-Box Shipping"	1	Not Shown
36-28231-08	Label, "Direct Thermal"	2	Not Shown
36-29163-07	Label, "BA2XX" (added)	1	Not Shown
47-00042-01	Screwdriver, Flat Blade	1	Not Shown
54-17016-01	Module, SLU Console	2	2
650QS-A2	650QS-A2 120V (Timeshare, w/o Skins)	1	N/A
650QS-A3	650QS-A3 240V (Timeshare, w/o Skins)	1	N/A
650QS-B2	650QS-B2 120V (Timeshare, w/Skins)	1	N/A
650QS-B3	650QS-B3 240V (Timeshare, w/Skins)	1	N/A
650QS-C2	650QS-C2 120V (Timeshare, w/o Skins, Rack Kit)	1	N/A
650QS-C3	650QS-C3 240V (Timeshare, w/o Skins, Rack Kit)	1	N/A
650QS-D2	650QS-D2 120V (Timeshare, w/o Skins, Wall Kit)	1	N/A
650QS-D3	650QS-D3 240V (Timeshare, w/o Skins, Wall Kit)	1	N/A
650QS-E2	650QS-E2 120V (Server, w/o Skins)	1	N/A
650QS-E3	650QS-E3 240V (Server, w/o Skins)	1	N/A
650QS-F2	650QS-F2 120V (Server, w/Skins)	1	N/A
650QS-F3	650QS-F3 240V (Server, w/Skins)	1	N/A
650QS-H2	650QS-H2 120V (Server, w/o Skins, Rack Kit)	1	N/A
650QS-H3	650QS-H3 240V (Server, w/o Skins, Rack Kit)	1	N/A
650QS-J2	650QS-J2 120V (Server, w/o Skins, Wall Kit)	1	N/A
650QS-J3	650QS-J3 240V (Server, w/o Skins, Wall Kit)	1	N/A
650QS-K2	650QS-K2 120V (Timeshare/8 Meg. Memory, w/Skins) (added)	1	N/A
650QS-K3	650QS-K3 240V (Timeshare/8 Meg. Memory, w/Skins) (added)	1	N/A
650QS-L3	650QS-L3 240V (Timeshare/16 Meg. Memory, w/Skins) (added)	1	N/A
650QS-M2	650QS-M2 120V (Server/16 Meg. Memory, w/Skins) (added)	1	N/A
650QS-M3	650QS-M3 240V (Server/16 Meg. Memory, w/Skins) (added)	1	N/A
650QS-N2	650QS-N2 120V (Server/8 Meg. Memory, w/Skins) (added)	1	N/A
650QS-N3	650QS-N3 240V (Server/8 Meg. Memory, w/Skins) (added)	1	N/A
650QS-L2	650QS-L2 120V (Timeshare/16 Meg. Memory, w/Skins) (added)	1	N/A

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650QS PEDESTAL SYSTEM INDEX BY DEC PART NUMBER

PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
70-23712-01	Backplane Assembly, BA213	1A	13
70-23769-01	Input Assembly, Filter	1A	10
70-23981-01	Bulkhead Assembly, Front	1	8
70-23982-02	Bulkhead Assembly, Front Dual	1	7
70-23982-03	Bulkhead, Front Dual Assembly	2	1
70-23988-01	BULKHEAD ASSEMBLY, H3600 MODULE	1	2
70-23988-01	BULKHEAD ASSEMBLY, H3600 MODULE	2	N/A
70-23995-04	Panel, Front	1	22
70-23996-01	Filler, Power Supply Assembly	1A	11
70-23998-01	Fan Assembly	1A	9
70-23999-01	Switch Assembly	1A	5
70-24037-01	ENCLOSURE ASSEMBLY, SHELL	1	16
70-24037-01	ENCLOSURE ASSEMBLY, SHELL	4	N/A
70-24041-01	PANEL ASSEMBLY, FRONT	5	N/A
70-24041-01	PANEL ASSEMBLY, FRONT	1	17
70-24046-01	BASE ASSEMBLY	1	11
70-24046-01	BASE ASSEMBLY	3	N/A
70-24071-01	Panel Assembly, Gap Filler	1	9
70-24227-03	ENCLOSURE ASSEMBLY, BA213 2 PS 120V	1	1
70-24227-03	ENCLOSURE ASSEMBLY, BA213 2 PS 120V	1A	N/A
70-24227-04	ENCLOSURE ASSEMBLY, BA213 2 PS 240V	1A	N/A
70-24227-04	ENCLOSURE ASSEMBLY, BA213 2 PS 240V	1	1
70-24255-01	Frame Assembly, BA213	1A	1
70-24263-01	Hardware, Wall Mount	1	Not Shown
70-24263-02	Hardware, Rack Mount	1	Not Shown
70-24316-01	KIT, BIZ ACCESSORIES (w/o Skins)	1	Not Shown
70-24316-02	KIT, BIZ ACCESSORIES (w/Skins)	1	Not Shown
70-24316-03	KIT, BIZ ACCESSORIES (w/o Skins) (added)	1	Not Shown
70-24316-04	KIT, BIZ ACCESSORIES (w/o Skins) (added)	1	Not Shown
70-25452-03	Mount Assembly, Bottom Shock (Replaces 70-23997-01)	1	24
70-25452-04	Mount Assembly, Top Shock (Replaces 70-23997-02)	1	25
70-25721-01	Panel Assembly, Access	1A	14
74-33477-01	Holder, Battery Pack	2	4
74-33646-01	Cover, Top	4	10
74-33647-01	Panel, Right Side	4	9
74-33648-01	Panel, Front	5	1
74-33650-01	Base, Lower	3	1
74-33651-01	Panel, Rear	4	4
74-33694-01	Panel, Left Side	4	5
74-33854-01	Fastener, Turn	1	15
74-33854-01	Fastener, Turn	3	8
74-34061-01	Door	5	3

650QS PEDESTAL SYSTEM INDEX BY DEC PART NUMBER

PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
74-34062-01	Channel (Front Panel)	5	4
74-34063-01	Tumbler	5	11
74-34064-01	Latch, Pull	5	8
74-34065-01	Latch, Slide	5	9
74-34066-01	Spring, Channel	5	5
74-34067-01	Bezel, Switch	5	2
74-34068-01	Wheel, Base	3	2
74-34069-01	Shaft, Wheel	3	3
74-34123-01	Bracket, Top Right	5	12
74-34123-02	Bracket, Top Left	5	13
74-34124-01	Bracket, Bottom Right	5	14
74-34124-02	Bracket, Bottom Left	5	15
74-34125-01	Bracket, Side	4	2
74-34126-01	Bracket, Corner	4	1
74-34363-01	Stop, Door Position	5	6
74-34424-01	Sleeve	4	6
74-34425-07	Nameplate, MicroVAX 3500	1	20
74-34425-09	Nameplate, VAXserver 3500	1	20
74-34425-14	Nameplate, rtVAX 3500	1	20
74-34426-01	Logo	5	17
74-34432-01	Bracket, Wall Mount	1	Not Shown
74-34638-01	Support, Mounting	1	Not Shown
74-34846-01	Support, Label	3	6
74-35417-01	Frame, Switch	1	5
74-36425-01	Panel, 5-1/4" Tape Drive Filler	1	23
74-37040-01	Plate, Cover (added)	1A	16
90-00063-78	Screw, Self-Tap Truss Hd No. 6 x 5/16 (added)	2	9
90-00063-78	Screw, Self-Tap Truss Hd No. 6 x 5/16	1A	15
90-06557-00	Nut, Kep No. 4-40	2	6
90-06661-00	Washer, Flat	4	7
90-06661-00	Washer, Flat	1	13
90-07032-00	Tie, Cable (deleted)	1A	4
90-07064-00	Plug, Button (added)	1A	12
90-07064-00	Plug, Button	1	6
90-07786-00	U-Nut, Retainer	1	Not Shown
90-08185-00	Nut, Kep No. 6-32 (added)	1A	17
90-08185-00	Nut, Kep No. 6-32	1A	6
90-08228-00	Tape, Foam	2	8
90-08264-00	Clamp, Cable (deleted)	1A	3
90-09228-10	Screw, Sems Phl Pan Hd No. 10-32 x 3/8	1	Not Shown
90-09257-05	Ring, Retainer	5	10

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650QS PEDESTAL SYSTEM INDEX BY DEC PART NUMBER

PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
90-09282-00	Screw, Sems Phl Pan Hd No. 10-32 x 15/16	3	9
90-09282-00	Screw, Sems Phl Pan Hd No. 10-32 x 15/16	1	14
90-09385-00	Pin, Roll	3	4
90-09643-00	Screw, Sems Phl Pan Hd No. 4-40 x 3/8	2	7
90-09700-00	Screw, Sems Phl Pan Hd No. 10-32 x 1/2	1	Not Shown
90-09800-04	Screw, Self-Tap Phl Pan Hd No. 8-16 x 3/8	5	16
90-09800-04	Screw, Self-Tap Phl Pan Hd No. 8-16 x 3/8	4	3
90-09800-06	Screw, Self-Tap Phl Pan Hd No. 6-19 x 3/8	5	7
90-09800-06	Screw, Self-Tap Phl Pan Hd No. 6-19 x 3/8	3	7
90-09800-08	Screw, Self-Tap Phl Pan Hd No. 8-16 x 1/2	1	12
90-09800-08	Screw, Self-Tap Phl Pan Hd No. 8-16 x 1/2	4	8
90-09984-07	Screw, Sems Phl Pan Hd No. 6-32 x 5/16 (deleted)	2	3
BA213-RA	KIT, BA213 LARGE S-BOX RACK MOUNT	1	Not Shown
BA213-WA	KIT, BA213 LARGE S-BOX WALL MOUNT	1	Not Shown
EK-213RA-IN	Guide, Rack Mount Installation	1	Not Shown
EK-213WA-IN	Guide, Wall Mount Installation	1	Not Shown
H7868-A	Power Supply Assembly, H7868-A, 100/120V	1A	2
H7868-B	Power Supply Assembly, H7868-B, 220/240V	1A	2
M7620-AA	Module, MVAX CPU	1	3
M7620-BA	Module, MVAX CPU, (w/Mod ROM Code)	1	4
M9060-YA	Module, Load	1	21
MS650-AA	Module, 8 Meg RAM Memory	1	18
MS650-BA	Module, 16 Meg RAM Memory	1	18
N/A	650QS PEDESTAL SYSTEM	1	N/A

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650QS PEDESTAL SYSTEM INDEX BY DEC PART DESCRIPTION

DESCRIPTION	DEC PART NO.	FIG. NO.	ITEM NO.
650QS PEDESTAL SYSTEM	N/A	1	N/A
650QS-A2 120V (Timeshare, w/o Skins)	650QS-A2	1	N/A
650QS-A3 240V (Timeshare, w/o Skins)	650QS-A3	1	N/A
650QS-B2 120V (Timeshare, w/Skins)	650QS-B2	1	N/A
650QS-B3 240V (Timeshare, w/Skins)	650QS-B3	1	N/A
650QS-C2 120V (Timeshare, w/o Skins, Rack Kit)	650QS-C2	1	N/A
650QS-C3 240V (Timeshare, w/o Skins, Rack Kit)	650QS-C3	1	N/A
650QS-D2 120V (Timeshare, w/o Skins, Wall Kit)	650QS-D2	1	N/A
650QS-D3 240V (Timeshare, w/o Skins, Wall Kit)	650QS-D3	1	N/A
650QS-E2 120V (Server, w/o Skins)	650QS-E2	1	N/A
650QS-E3 240V (Server, w/o Skins)	650QS-E3	1	N/A
650QS-F2 120V (Server, w/Skins)	650QS-F2	1	N/A
650QS-F3 240V (Server, w/Skins)	650QS-F3	1	N/A
650QS-H2 120V (Server, w/o Skins, Rack Kit)	650QS-H2	1	N/A
650QS-H3 240V (Server, w/o Skins, Rack Kit)	650QS-H3	1	N/A
650QS-J2 120V (Server, w/o Skins, Wall Kit)	650QS-J2	1	N/A
650QS-J3 240V (Server, w/o Skins, Wall Kit)	650QS-J3	1	N/A
650QS-K2 120V (Timeshare/8 Meg. Memory, w/Skins) (added)	650QS-K2	1	N/A
650QS-K3 240V (Timeshare/8 Meg. Memory, w/Skins) (added)	650QS-K3	1	N/A
650QS-L2 120V (Timeshare/16 Meg. Memory, w/Skins) (added)	650QS-L2	1	N/A
650QS-L3 240V (Timeshare/16 Meg. Memory, w/Skins) (added)	650QS-L3	1	N/A
650QS-M2 120V (Server/16 Meg. Memory, w/Skins) (added)	650QS-M2	1	N/A
650QS-M3 240V (Server/16 Meg. Memory, w/Skins) (added)	650QS-M3	1	N/A
650QS-N2 120V (Server/8 Meg. Memory, w/Skins) (added)	650QS-N2	1	N/A
650QS-N3 240V (Server/8 Meg. Memory, w/Skins) (added)	650QS-N3	1	N/A
Backplane Assembly, BA213	70-23712-01	1A	13
BASE ASSEMBLY	70-24046-01	1	11
BASE ASSEMBLY	70-24046-01	3	N/A
Base, Lower	74-33650-01	3	1
Battery, 3 Cell	12-19245-01	2	5
Bezel, Switch	74-34067-01	5	2
Bracket, Bottom Left	74-34124-02	5	15
Bracket, Bottom Right	74-34124-01	5	14
Bracket, Corner	74-34126-01	4	1
Bracket, Side	74-34125-01	4	2

650QS PEDESTAL SYSTEM INDEX BY DEC PART DESCRIPTION

DESCRIPTION	DEC PART NO.	FIG. NO.	ITEM NO.
Bracket, Top Left	74-34123-02	5	13
Bracket, Top Right	74-34123-01	5	12
Bracket, Wall Mount	74-34432-01	1	Not Shown
Bulkhead Assembly, Front	70-23981-01	1	8
Bulkhead Assembly, Front Dual	70-23982-02	1	7
BULKHEAD ASSEMBLY, H3600 MODULE	70-23988-01	1	2
BULKHEAD ASSEMBLY, H3600 MODULE	70-23988-01	2	1
Bulkhead, Front Dual Assembly	70-23982-03	2	1
Cable Assembly	17-00811-02	1	Not Shown
Cable Assembly	17-01364-02	1	Not Shown
Cable Assembly	17-01360-01	1A	7
Cable Assembly, 50 Cond Flat	17-01898-01	1	19
Cable Assembly, 50 Cond Flat	17-01898-02	1	19
Cable Assembly, 50 Cond Flat	17-01898-03	1	19
Channel (Front Panel)	74-34062-01	5	4
Clamp, Cable (deleted)	90-08264-00	1A	3
Clip, Wire Routing	12-21249-04	1A	8
Connector, Adaptor	12-23599-01	1	Not Shown
Connector, Adaptor	12-23599-05	1	Not Shown
Cord, Power	17-00083-43	1	10
Cover, Top	74-33646-01	4	10
Door	74-34061-01	5	3
ENCLOSURE ASSEMBLY, BA213 2 PS 120V	70-24227-03	1	1
ENCLOSURE ASSEMBLY, BA213 2 PS 240V	70-24227-04	1	1
ENCLOSURE ASSEMBLY, BA213 2 PS 120V	70-24227-03	1A	N/A
ENCLOSURE ASSEMBLY, BA213 2 PS 240V	70-24227-04	1A	N/A
ENCLOSURE ASSEMBLY, SHELL	70-24037-01	1	16
ENCLOSURE ASSEMBLY, SHELL	70-24037-01	4	N/A
Fan Assembly	70-23998-01	1A	9
Fastener, Turn	74-33854-01	1	15
Fastener, Turn	74-33854-01	3	8
Filler, Power Supply Assembly	70-23996-01	1A	11
Frame Assembly, BA213	70-24255-01	1A	1
Frame, Switch	74-35417-01	1	5
Guide, Rack Mount Installation	EK-213RA-IN	1	Not Shown
Guide, Wall Mount Installation	EK-213WA-IN	1	Not Shown
Hardware, Rack Mount	70-24263-02	1	Not Shown
Hardware, Wall Mount	70-24263-01	1	Not Shown
Harness Assembly	17-01362-01	1	26
Holder, Battery Pack	74-33477-01	2	4

TITLE	SIZE	DRAWING NUMBER	REV
ILLUSTRATED BREAKDOWN FOR 650QS PEDESTAL SYSTEM	B IB	650QS-0-0	C
SCALE 1/1	SHEET 15 OF 17	DIST	

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NOTE : When the description includes "added" or "deleted", ALWAYS refer to the figure parts list for the latest related part description.

650QS PEDESTAL SYSTEM INDEX BY DEC PART DESCRIPTION

DESCRIPTION	DEC PART NO.	FIG. NO.	ITEM NO.
Input Assembly, Filter	70-23769-01	1A	10
Key, Plastic	12-17119-01	1	Not Shown
KIT, BA213 LARGE S-BOX RACK MOUNT	BA213-RA	1	Not Shown
KIT, BA213 LARGE S-BOX WALL MOUNT	BA213-WA	1	Not Shown
KIT, BIZ ACCESSORIES (w/o Skins)	70-24316-01	1	Not Shown
KIT, BIZ ACCESSORIES (w/o Skins) (added)	70-24316-03	1	Not Shown
KIT, BIZ ACCESSORIES (w/o Skins) (added)	70-24316-04	1	Not Shown
KIT, BIZ ACCESSORIES (w/Skins)	70-24316-02	1	Not Shown
Label, "BA2XX" (added)	36-29163-07	1	Not Shown
Label, "Baud Select"	36-26584-01	2	Not Shown
Label, "Black"	36-27922-01	2	Not Shown
Label, "Blank, Paper, Pin Feed" (deleted)	36-23593-01	2	Not Shown
Label, "Caution S-Box Shipping"	36-27924-01	1	Not Shown
Label, "Direct Thermal"	36-28231-08	2	Not Shown
Label, "International" (added)	36-20560-53	2	Not Shown
Label, "International" (added)	36-20560-54	2	Not Shown
Label, "Kapton Blank"	36-27920-01	2	Not Shown
Label, "MicroVAX 3500"	36-27354-12	1	Not Shown
Label, "MicroVAX 3500, DSSI"	36-27354-29	1	Not Shown
Label, "Module Number M7620-AA"	36-26883-44	1	Not Shown
Label, "Module Number M7620-BA"	36-26883-56	1	Not Shown
Label, "Module Number M7621-A"	36-26883-42	1	Not Shown
Label, "Module Number M7622-A"	36-26883-43	1	Not Shown
Label, "Module Number M9060-YA"	36-26883-17	1	Not Shown
Label, "Over Laminate Polymide"	36-27921-01	2	Not Shown
Label, "Pedestal, UK, 100V"	36-27838-02	1	Not Shown
Label, "Pedestal, UK, 220V"	36-27838-04	1	Not Shown
Label, "Pedestal, USA, 100V"	36-27838-01	1	Not Shown
Label, "Pedestal, USA, 220V"	36-27838-03	1	Not Shown
Label, "Postcard FTZ#"	36-21232-52	1	Not Shown
Label, "rtVAX 3500"	36-27354-22	1	Not Shown
Label, "rtVAX 3500, DSSI"	36-27354-31	1	Not Shown
Label, "S-Box, Module Utilization"	36-27923-01	1	Not Shown
Label, "S-Box, Module Utilization"	36-27923-01	1	Not Shown
Label, "Serial/Model, 100V, Made In UK"	36-27329-02	1	Not Shown
Label, "Serial/Model, 100V, Made In USA"	36-27329-01	1	Not Shown
Label, "Serial/Model, 220V, Made In UK"	36-27329-04	1	Not Shown
Label, "Serial/Model, 220V, Made In USA"	36-27329-03	1	Not Shown
Label, "VAXserver 3500"	36-27354-14	1	Not Shown
Label, "VAXserver 3500, DSSI"	36-27354-30	1	Not Shown
Label, "Warning Equipment Rating 100-120V"	36-17905-16	1	Not Shown
Label, "Warning Equipment Rating 220-240V"	36-17905-17	1	Not Shown
Latch, Pull	74-34064-01	5	8
Latch, Slide	74-34065-01	5	9
Logo	74-34426-01	5	1

650QS PEDESTAL SYSTEM INDEX BY DEC PART DESCRIPTION

DESCRIPTION	DEC PART NO.	FIG. NO.	ITEM NO.
Module, 16 Meg RAM Memory	MS650-BA	1	18
Module, 8 Meg RAM Memory	MS650-AA	1	18
Module, Load	M9060-YA	1	21
Module, MVAX CPU	M7620-AA	1	3
Module, MVAX CPU, (w/Mod ROM Code)	M7620-BA	1	4
Module, SLU Console	54-17016-01	2	2
Mount Assembly, Bottom Shock (Replaces 70-23997-01)	70-25452-03	1	24
Mount Assembly, Top Shock (Replaces 70-23997-02)	70-25452-04	1	25
Nameplate, MicroVAX 3500	74-34425-07	1	20
Nameplate, rtVAX 3500	74-34425-14	1	20
Nameplate, VAXserver 3500	74-34425-09	1	20
Nut, Kep No. 4-40	90-06557-00	2	6
Nut, Kep No. 6-32	90-08185-00	1A	6
Nut, Kep No. 6-32 (added)	90-08185-00	1A	17
Panel Assembly, Access	70-25721-01	1A	14
PANEL ASSEMBLY, FRONT	70-24041-01	1	17
PANEL ASSEMBLY, FRONT	70-24041-01	5	N/A
Panel Assembly, Gap Filler	70-24071-01	1	9
Panel, 5-1/4" Tape Drive Filler	74-36425-01	1	23
Panel, Front	70-23995-04	1	22
Panel, Front	74-33648-01	5	1
Panel, Left Side	74-33694-01	4	5
Panel, Rear	74-33651-01	4	4
Panel, Right Side	74-33647-01	4	9
Pin, Roll	90-09385-00	3	4
Plate, Cover (added)	74-37040-01	1A	16
Plug, Button	90-07064-00	1	6
Plug, Button (added)	90-07064-00	1A	12
Power Supply Assembly, H7868-A, 100/120V	H7868-A	1A	2
Power Supply Assembly, H7868-B, 220/240V	H7868-B	1A	2
Ring, Retainer	90-09257-05	5	10
Screw, Self-Tap Phl Pan Hd No. 6-19 x 3/8	90-09800-06	5	7
Screw, Self-Tap Phl Pan Hd No. 8-16 x 1/2	90-09800-08	4	8
Screw, Self-Tap Phl Pan Hd No. 8-16 x 1/2	90-09800-08	1	12
Screw, Self-Tap Phl Pan Hd No. 6-19 x 3/8	90-09800-06	3	7
Screw, Self-Tap Phl Pan Hd No. 8-16 x 3/8	90-09800-04	5	16
Screw, Self-Tap Phl Pan Hd No. 8-16 x 3/8	90-09800-04	4	3
Screw, Self-Tap Truss Hd No. 6 x 5/16	90-00063-78	1A	15
Screw, Self-Tap Truss Hd No. 6 x 5/16 (added)	90-00063-78	2	9
Screw, Sems Phl Pan Hd No. 10-32 x 1/2	90-09700-00	1	Not Shown
Screw, Sems Phl Pan Hd No. 10-32 x 15/16	90-09282-00	1	14
Screw, Sems Phl Pan Hd No. 10-32 x 3/8	90-09228-10	1	Not Shown
Screw, Sems Phl Pan Hd No. 10-32 x 15/16	90-09282-00	3	9

TITLE	SIZE	CODE	NUMBER	REV
ILLUSTRATED BREAKDOWN FOR 650QS PEDESTAL SYSTEM	B	IB	650QS-0-0	C
SCALE 1/1	SHEET 16 OF 17	DIST		

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650QS PEDESTAL SYSTEM INDEX BY DEC PART DESCRIPTION

DESCRIPTION	DEC PART NO.	FIG. NO.	ITEM NO.
Screw, Sems Phl Pan Hd No. 4-40 x 3/8	90-09643-00	2	7
Screw, Sems Phl Pan Hd No. 6-32 x 5/16 (deleted)	90-09984-07	2	3
Screw, Thread Rolling Shoulder	12-26868-01	3	5
Screw, Thread Rolling Shoulder	12-26868-01	4	11
Screwdriver, Flat Blade	47-00042-01	1	Not Shown
Shaft, Wheel	74-34069-01	3	3
Sleeve	74-34424-01	4	6
Spring, Channel	74-34066-01	5	5
Stop, Door Position	74-34363-01	5	6
Support, Label	74-34846-01	3	6
Support, Mounting	74-34638-01	1	Not Shown
Switch Assembly	70-23999-01	1A	5
Tape, Foam	90-08228-00	2	8
Tie, Cable (deleted)	90-07032-00	1A	4
Tumbler	74-34063-01	5	11
U-Nut, Retainer	90-07786-00	1	Not Shown
Washer, Flat	90-06661-00	4	7
Washer, Flat	90-06661-00	1	13
Wheel, Base	74-34068-01	3	2

TITLE	SIZE	CODE	NUMBER	REV
ILLUSTRATED BREAKDOWN FOR 650QS PEDESTAL SYSTEM	B	IB	650QS-0-0	C
SCALE 1/1	SHEET 17 OF 17	DIST		

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ILLUSTRATED PARTS BREAKDOWN

BA213 ENCLOSURE

HOW TO USE THE IPB

GENERAL
This IPB is compiled following the organization and nomenclature of the engineering drawing structure.

MAJOR ASSEMBLY LOCATOR (When Applicable)
The Major Assembly Locator (first illustration) is an index that provides a description and a figure reference for all illustrations used in this manual.

INDENTED PARTS LIST
This manual identifies each assembly being broken down (figure reference callout), and all parts of that assembly. Further breakdown of an assembly is shown by an asterisk (*) preceding the item callouts in the Description Column. The number of asterisks preceding an item is used to denote the subordination of that item with respect to the Major Assembly. A single asterisk preceding an item description indicates that the item is part of the major assembly being illustrated. Items that are subordinate to single asterisks items, are denoted by two asterisks (**) and immediately follow the related single asterisk item. This system of part identification provides a means for the user to identify the next higher assembly item and make alternate selections for parts when the required replacement part of assembly is not immediately available.

COLUMN CALLOUT DESCRIPTION
Figure and Item - Indicates the figure number and item number of each part.

Description - Lists the name of the part and pertinent specifications (when required). Asterisks preceding the description denote the subordination of the part to the next higher assembly.

DEC Part No. - Lists the Digital part ordering number. A blank in this column indicates a Digital part number was not assigned at the time of publication.

ECO Cut-In - The notation at the top of this column indicates the ECO level of the system (option), at which the IPB was initially prepared. Subsequent ECO level designations, that modify existing parts or add new parts to the device, are inserted in the ECO Cut-In column next to the part that is added or modified.

Used On Code - Letters in this column correspond to the variation codes assigned in Figure 1. Parts with an Alpha notation(s) are used only in those option variations. A blank indicates that the part is used on all option variations.

Ref Fig No. - A cross reference between illustrations. For each Major Assembly, the number in this column denotes the figure of the next higher assembly.
For all subassemblies, the number in this column denotes the figure showing additional detailed breakdown.

PART NUMBER/PART DESCRIPTION INDEX SECTION
Parts are sorted both numerically and alphabetically by description, referenced to a location within the IPB, by figure number and item number.

REVISION HISTORY

PRINTING	ECO LEVEL				DATE
4th Printing	BA213	00003-00004	RQDX3-SA	00000-00001	17-AUG-90
	70-24227	00002-00008	RD53A-SA	00000-00001	
	70-24255	00000-00003	RD54A-SA	00000-00000	
	H7868	00002-00006	KDA50-SA	00000-00013	
	70-23769	00000-00002	RA70E-SA	00000-00001	
	70-23999	00000-00001	TQK50-SA	00000-00002	
	70-23998	00000-00001	TK50E-SA	00000-00008	
	70-23712	00000-00005	TQK70-SA	00000-00002	
	70-23366	00000-00001	TK70E-SA	00000-00002	
	70-24037	00000-00004	KFQSA-SA	00002-00002	
	70-24041	00000-00000	RF30E-SA	00000-00000	
	70-24046	00001-00002	RF71E-SA	00001-00001	

OTHER IPB MANUALS REFERENCED
EK-RD53A-IP
EK-RD54A-IP
EK-RA70A-IP
EK-0TK50-IP
EK-TK70A-IP

REV'SION HISTORY			
REV	B	C	D
ECO NUMBER	BA213 CTS05	B-IB-BA213-0-0 LJO001	B-IB-BA213-0-0 LJO002
DATE	03 90	11 90	05 90

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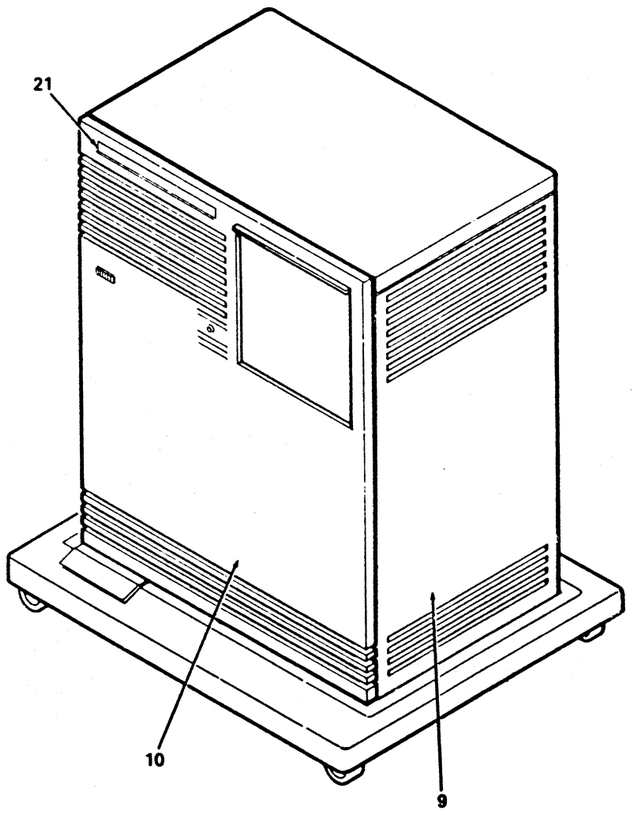
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IPB WRITER R. CARDONI	DATE 17-AUG-90	TITLE digital ILLUSTRATED BREAKDOWN FOR BA213 ENCLOSURE
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CSSE	DATE	DOCUMENT NUMBER
OTHER	DATE	SIZE B | IB | BA213-0-0 | D
NEXT HIGHER DOC		SCALE 1/1 SHEET 1 OF 29

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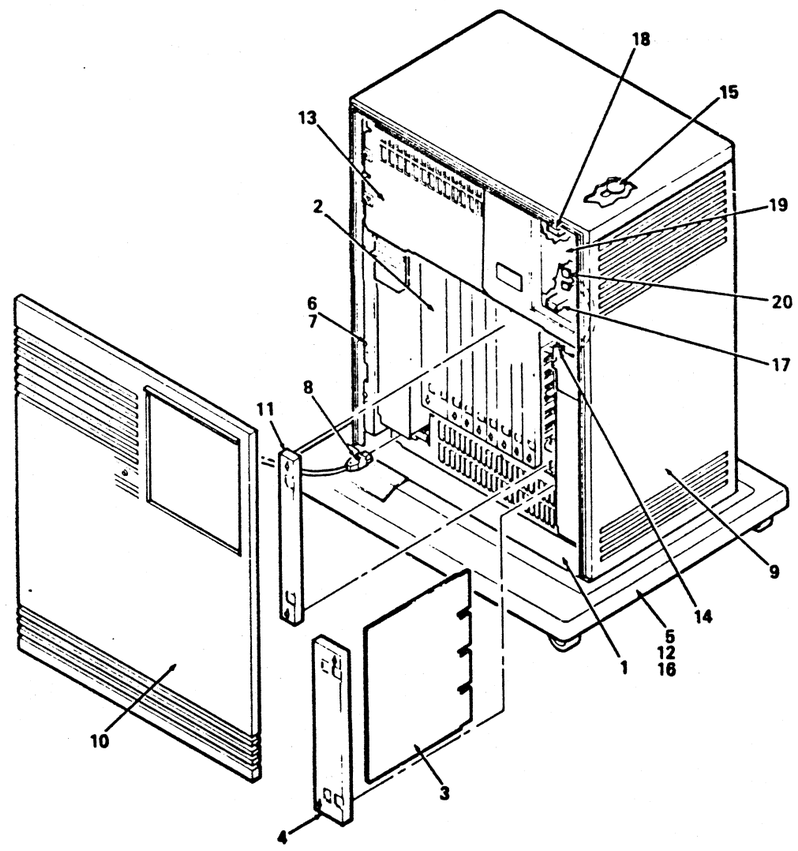
PARTS LIST



BA213-01-BD

Figure 1. Enclosure Assembly, BA213 (Sheet 1 of 2)

PARTS LIST



BA213-01A-BD

Figure 1. Enclosure Assembly, BA213 (Sheet 2 of 2)

TITLE	ILLUSTRATED BREAKDOWN FOR BA213 ENCLOSURE	SIZE	CODE	NUMBER	REV
		B	IB	BA213-0-0	D
SCALE 1/1	SHEET 2 OF 29	DIST			

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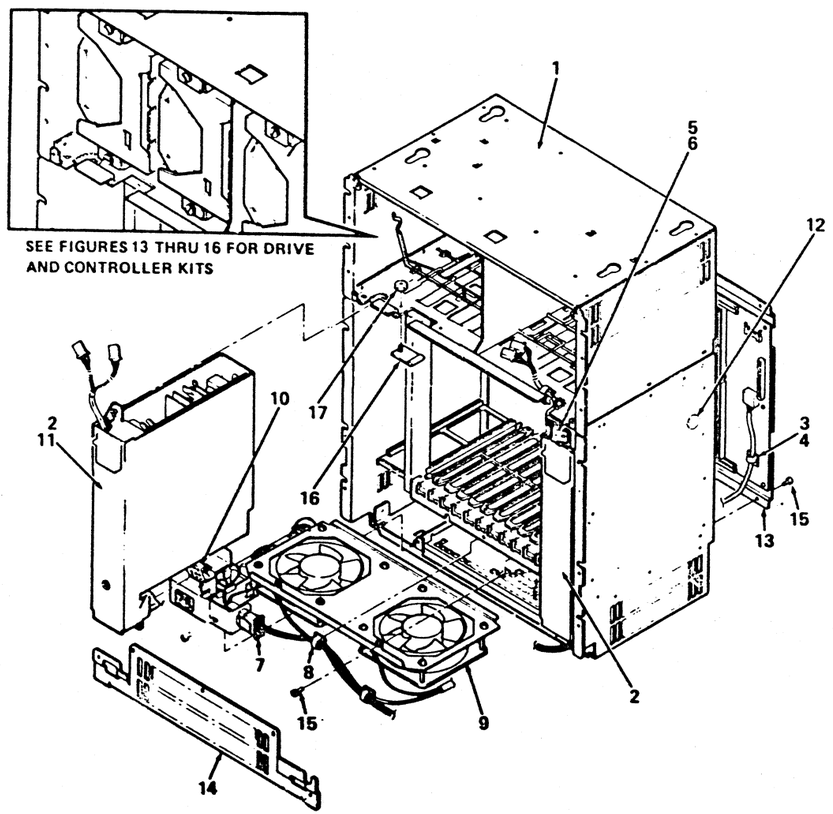
FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN BA213 00003	USED ON CODE	REF FIG NO.
1-	ENCLOSURE ASSEMBLY, BA213				
	Code A - Used on BA213-A2 1 PS 120V w/o Skins	BA213-A2		A	
	Code B - Used on BA213-A3 1 PS 240V w/o Skins	BA213-A3		B	
	Code C - Used on BA213-B2 2 PS 120V w/o Skins	BA213-B2		C	
	Code D - Used on BA213-B3 2 PS 240V w/o Skins	BA213-B3		D	
	Code E - Used on BA213-EA 1 PS 120V w/Skins	BA213-EA		E	
	Code F - Used on BA213-E3 2 PS 240V w/Skins	BA213-E3		F	
	Code G - Used on BA213-FA 2 PS 240V w/o Skins Rack Mount/ Wall Mount Kit	BA213-FA		G	
	Code H - Used on BA213-F3 2 PS 240V w/o Skins Rack Mount/ Wall Mount Kit	BA213-F3		H	
1	*ENCLOSURE ASSEMBLY, BA213 1 PS 120V	70-24227-01		A	2
	*ENCLOSURE ASSEMBLY, BA213 1 PS 240V	70-24227-02		B	2
	*ENCLOSURE ASSEMBLY, BA213 2 PS 120V	70-24227-03		CEG	2
	*ENCLOSURE ASSEMBLY, BA213 2 PS 240V	70-24227-04		DFH	2
2	*Bulkhead Assembly, Front Dual	70-23982-02		E-H	
3	*Module, Load	M9060-YA		E-H	
4	*Bulkhead Assembly, Front Dual	70-23982-01		E-H	
5	*BASE ASSEMBLY	70-24046-01		EF	12
6	*Screw, Self-Tap Phl Pan Hd No. 8-16 x 1/2	90-09800-08		EF	
7	*Washer, Flat	90-06661-00		EF	
8	*Cord, Power	17-00083-43		EG	
9	*ENCLOSURE ASSEMBLY, SHELL	70-24037-01		EF	10
10	*PANEL ASSEMBLY, FRONT	70-24041-01		EF	11
11	*Bulkhead Assembly, Front	70-23981-01		E-H	
12	*Screw, Sems Phl Pan Hd No.10-32 x 15/16	90-09282-00		EF	
13	*Panel Assembly, Front	70-23995-04		E-H	
14	*Switch, Frame	74-35417-01		EF	
15	*Plug, Button	90-07064-00		GH	
16	*Fastener, Turn	74-33854-01		EF	
17	*Mount Assembly, Bottom Shock (Replaces 70-23997-01)	70-25452-03	00004	E-H	
18	*Mount Assembly, Top Shock (Replaces 70-23997-02)	70-25452-04	00004	E-H	

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN BA213 00003	USED ON CODE	REF FIG NO.
1-					
19	*Panel, 5 1/4" Tape Drive Filler	74-36425-01		E-H	
20	*Harness Assembly	17-01362-01		E-H	
21	*Nameplate, BA213	74-34425-30		EF	
	KITS (Not Shown)				
	*KIT, RACK MOUNT BA213 LARGE S-BOX	BA213-RA		GH	
	**Guide, Rack Mount Installation	EK-BA200-IN			
	**Hardware, Rack Mount	70-24263-02			
	***Support, Mounting	74-34638-01			
	***Screw,Sems Phl Pan Hd No. 10-32 x 1/2	90-09700-00			
	***U-Nut, Retainer	90-07786-00			
	*KIT, WALL MOUNT BA213 LARGE S-BOX	BA213-WA		GH	
	**Guide, Wall Mount Installation	EK-BA200-IN			
	**Hardware, Wall Mount	70-24263-01			
	**Bracket, Wall Mount	74-34432-01			
	***Screw, Sems Phl Pan Hd No. 10-32 x 3/8	90-09228-10			
	*KIT, BIZ ACCESSORIES	70-24316-06		E-H	
	**Key, Plastic	12-17119-01			
	**Screwdriver, Flat Blade	47-00042-01			
	**Label, "S-Box MU"	36-27923-01			
	LABELS (Not Shown)				
	*Label, "Module Number M9060-YA"	36-26883-17		E-H	
	*Label, "Warning Equipment Rating 100-120V"	36-17905-16		EG	
	*Label, "Warning Equipment Rating 220-240V"	36-17905-17		FH	
	*Label, "Serial/Model 100V Made in USA"	36-27329-01		EG	
	*Label, "Serial/Model 100V Made in UK"	36-27329-02		EG	
	*Label, "Serial/Model 220V Made in USA"	36-27329-03		FH	
	*Label, "Serial/Model 220V Made in UK"	36-27329-04		FH	
	*Label, "Pedestal, USA 100V"	36-27838-31		E	
	*Label, "Pedestal, UK 100V"	36-27838-30		E	
	*Label, "PedestaL, USA 220V"	36-27838-28		F	
	*Label, "Pedestal, UK 220V"	36-27838-29		F	
	*Label, "Logo Model"	36-27354-25		GH	

TITLE	SIZE	CODE	NUMBER	REV
ILLUSTRATED BREAKDOWN FOR BA213 ENCLOSURE	B	IB	BA213-0-0	D
SCALE 1/1 SHEET 3 OF 29	DIST			

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BA213-02-BD

Figure 2. Enclosure Assembly, BA213

FIC.& ITEM NO.	DESCRIPTION	DEC PART NO. K	ECO CUT-IN 70-24227 00002	USED ON CODE	REF FIG NO.
2-	ENCLOSURE ASSEMBLY, BA213 1 PS 120V	70-24227-01		A	1
	ENCLOSURE ASSEMBLY, BA213 1 PS 240V	70-24227-02		B	1
	ENCLOSURE ASSEMBLY, BA213 2 PS 120V	70-24227-03		CEG	1
	ENCLOSURE ASSEMBLY, BA213 2 PS 240V	70-24227-04		DFH	1
1	*FRAME ASSEMBLY, BA213	70-24255-01			3
2	*POWER SUPPLY ASSEMBLY, H7868 100/120V	H7868-A		ACEG	4
	*POWER SUPPLY ASSEMBLY, H7868 220/240V	H7868-B		BDFH	4
3	*Clamp, Cable (deleted)	90-08264-00	00007		
4	*Tie, Cable (deleted)	90-07032-00	00007		
5	*SWITCH ASSEMBLY	70-23999-01			6
6	*Nut, Kep No. 6-32	90-08185-00			
7	*Cable Assembly	17-01360-01			
8	*Clip, Wire Routing (Replaces 12-21249-04)	12-21249-06	00007		
9	*FAN ASSEMBLY	70-23998-01			7
10	*INPUT ASSEMBLY, FILTER	70-23769-01			5
11	*Filler, Power Supply Assembly	70-23996-01		AB	
12	*Plug, Button (added)	90-07064-00	00007		
13	*BACKPLANE ASSEMBLY, BA213	70-23712-01			8, 8A
14	*Panel Assembly, Access	70-25721-01			
15	*Screw, Self Tap Truss Hd No. 6 x 5/16	90-00063-78			
16	*Plate, Cover (added)	74-37040-01	00003		
17	*Nut, Kep No. 6-32 x 1/4 (added)	90-08185-00	00003		

TITLE	ILLUSTRATED BREAKDOWN FOR BA213 ENCLOSURE	SIZE B	CODE 18	NUMBER BA213-0-0	REV D
SCALE 1/1	SHEET 4 OF 29	DIST			

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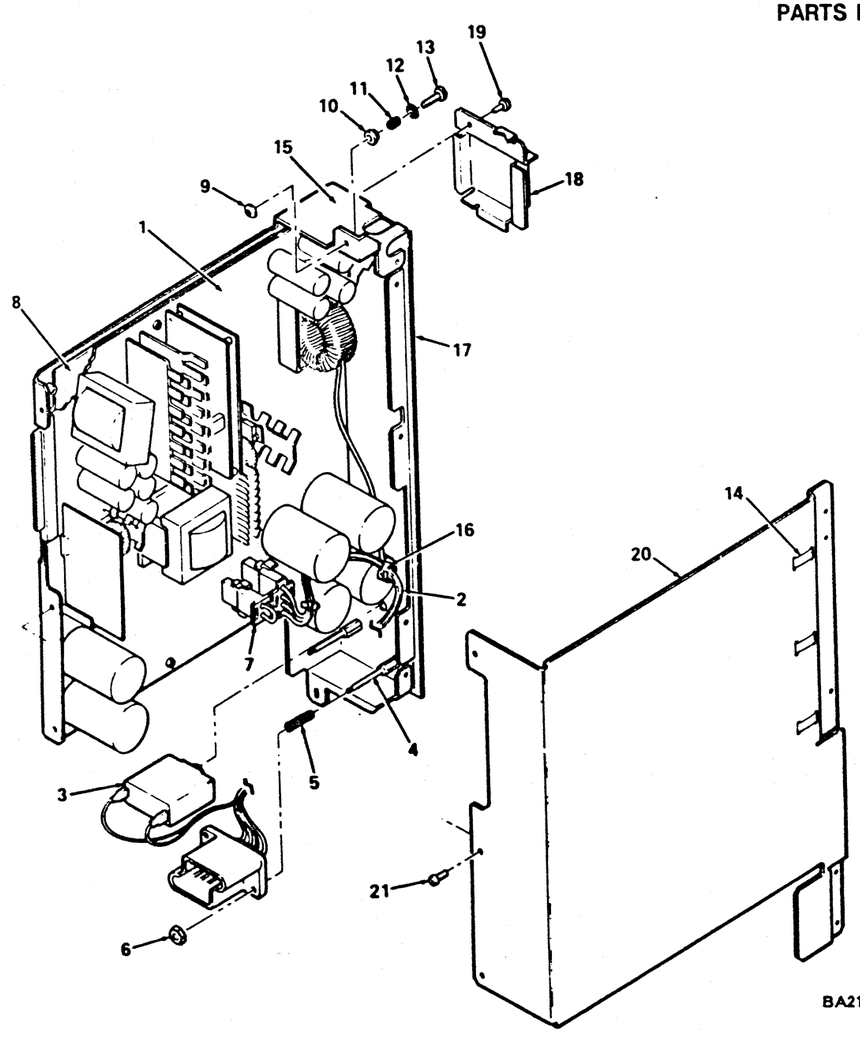


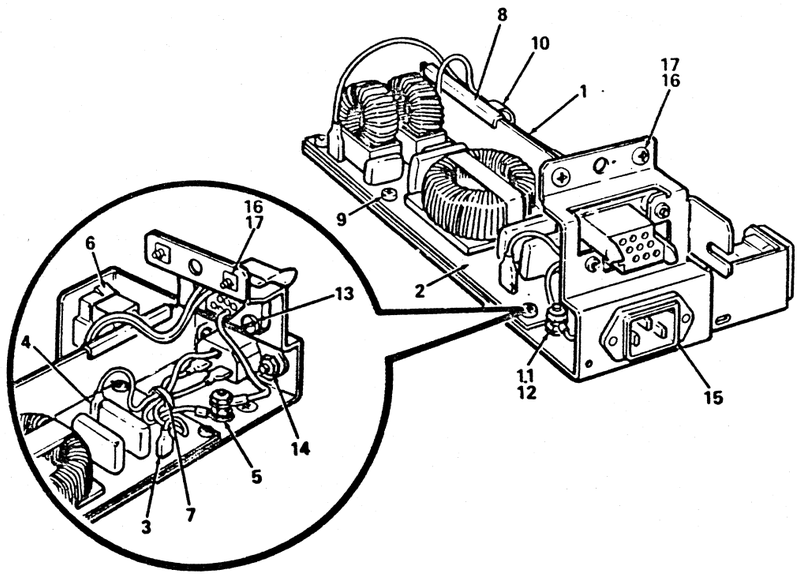
Figure 4. Power Supply Assembly, H7868

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN H7868 00002	USED ON CODE	REF FIG NO.
4–	POWER SUPPLY ASSEMBLY,H7868 100/120V	H7868-A		ACEG	2
	POWER SUPPLY ASSEMBLY,H7868 220/240V	H7868-B		BDFH	2
1	*Module, Power Supply	54-16879-01			
2	*HARNESS ASSEMBLY, H7868	70-23366-01			9
3	*Circuit Breaker	12-19912-06			
4	*Support, Spring	74-34431-01			
5	*Spring, Compression	12-27235-02			
6	*Nut, Kep No. 6-32	90-08055-00			
7	*Jumper Assembly,2-Pin Mate-N-Lock,120V	70-23770-01		ACEG	
8	*Pad, Insulator	74-33418-01			
9	*Washer, Retaining (Replaces 12-27764-01)	12-30421-01	00004		
10	*Bushing, Captive Screw	12-27446-01			
11	*Spring, Compression	12-27445-01			
12	*Washer, External Tooth Lock No. 6	90-07649-00			
13	*Screw, Shoulder No. 6-32 x 1/2 (Replaces 12-27771-01)	12-27772-01	00004		
14	*Finger, Grounding	12-26922-01			
15	*Bracket, Power Supply (deleted)	74-36556-01	00004		
16	*Tie, Cable (deleted)	90-07031-00	00004		
17	*Enclosure, Power Supply (Replaces 74-33416-01)	74-33416-02	00004		
18	*COVER ASSEMBLY, TOP POWER SUPPLY (Replaces 74-33976-01)	70-22808-01	00004		
	**Cover, Top Power Supply (added)	74-33976-02	00004		
	**Screw, Captive No. 6-32 (added)	12-30239-01	00004		
	**Washer, Retaining (added)	12-30421-01	00004		
19	*Screw, Sems Phl Pan Hd No. 4-40 x 3/8 (deleted)	90-09643-00	00004		
20	*Cover, Power Supply	74-33417-01			
21	*Screw, Sems Phl Pan Hd No. 6-32 x 5/16	90-09984-07			
	LABELS (Not Shown)				
	*Label, "Power Supply H7868-A"	36-26511-01		ACEG	
	*Label, "Power Supply H7868-B"	36-26511-02		BDFH	
	*Label, "Blank Bar Code"	36-18460-05			
	*Label, "H7868-A"	36-27463-01		ACEG	
	*Label, "H7868-B"	36-27463-02		BDFH	
	*Label, "Danger High Voltage"	36-10267-02			
	*Label, "BA2XX Rev" (Rolled) (added)	36-29163-05	00004		

TITLE	ILLUSTRATED BREAKDOWN FOR BA213 ENCLOSURE	SIZE	NUMBER	REV
		B IB	BA213-0-0	D
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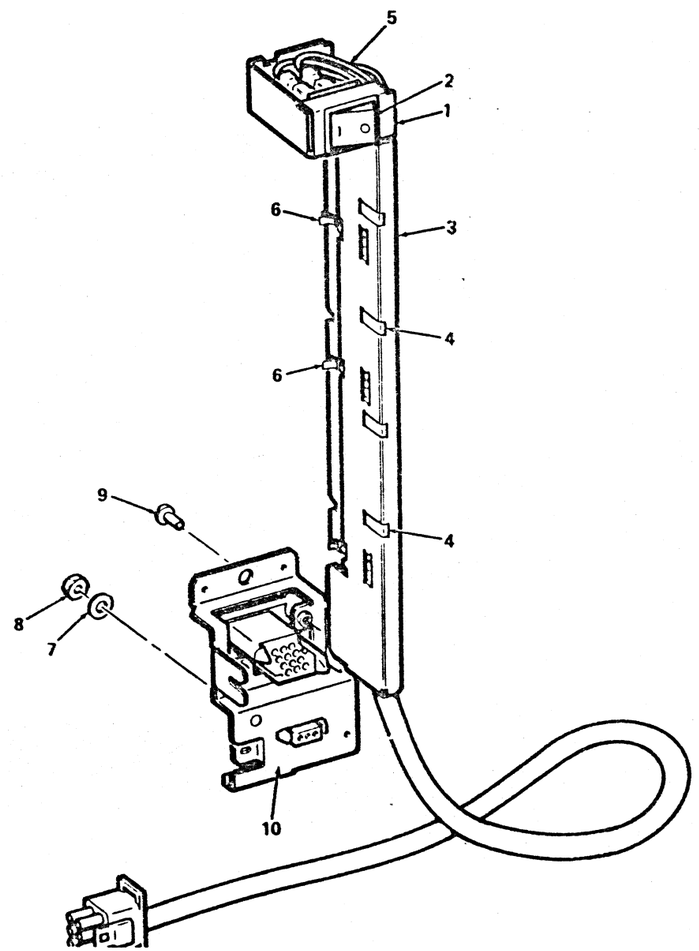
Figure 5. Filter Assembly, Input

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-23769 00000	USED ON CODE	REF FIG NO.
5-	FILTER ASSEMBLY, INPUT	70-23769-01			2
1	*Support, AC Filter	74-33962-01			
2	*Module, Dual Power Supply EMI Filter	54-17079-01			
3	*Jumper, AC Input	70-24004-01			
4	*Jumper, AC Input	70-24004-02			
5	*Jumper, AC Input Ground	70-24007-01			
6	*Wiring Assembly, Filter	70-24001-01			
7	*Tie, Cable	90-07031-00			
8	*Grommet	12-25469-04			
9	*Screw, Sems Phl Pan Hd No. 6-32 x 5/16	90-09984-07			
10	*Clip, Wire Routing	12-21249-04			
11	*Washer, Flat	90-06664-00			
12	*Nut, Kep No. 10-32	90-06565-00			
13	*Screw, Shoulder No. 8-32	12-27034-01			
14	*Nut, Kep No. 4-40	90-06557-00			
15	*Connector, (J3) 3-Pin Power Receptacle 10A, 250V	12-17874-02			
16	*Screw, Mach Phl Truss Hd No. 6 x 5/16 (Replace 90-00063-78)	90-10971-01	00002		
17	*Washer, Retaining (Replaces 12-27764-01)	12-30421-01	00002		
	LABELS (Not Shown)				
	*Label, "Ground Symbol"	36-12680-00			
	*Label, "Ground Symbol w/Circle"	36-12680-02			
	*Label, "Blank Bar Code"	36-18460-05			

TITLE	ILLUSTRATED BREAKDOWN FOR BA213 ENCLOSURE	SIZE B	CODE IB	NUMBER BA213-0-0	REV D
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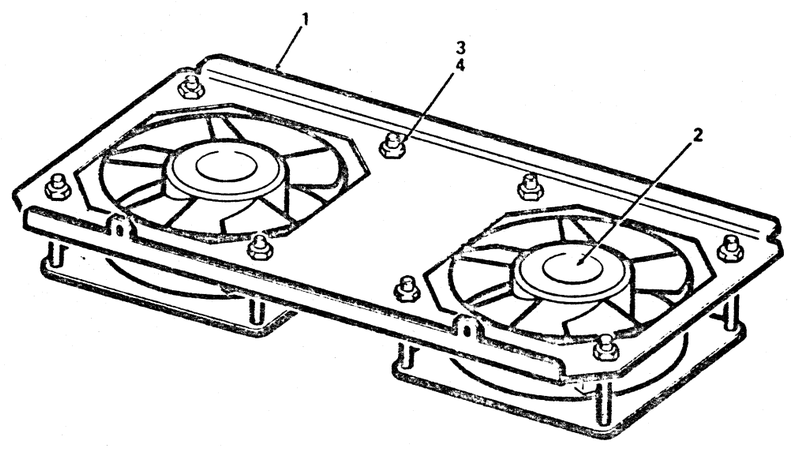
Figure 6. Switch Assembly

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-23999 00000	USED ON CODE	REF FIG NO.
6-	SWITCH ASSEMBLY	70-23999-01			2
1	*Box, Switch	74-33966-01			
2	*Switch, Rocker	12-21262-05			
3	*Channel, A/C Right (Replaces 70-24234-01)	74-33975-01	00001		
4	*Finger, Grounding	12-26922-01			
5	*Harness Assembly, Wire	17-01469-01			
6	*Tie, Cable	90-07031-00			
7	*Washer, Flat	90-06864-00			
8	*Nut, Kep No. 10-32	90-06565-00			
9	*Screw, Shoulder No. 8-32	12-27034-01			
10	*Cover, A/C Right (Replaces 70-24234-01)	74-33963-01	00001		

TITLE	ILLUSTRATED BREAKDOWN FOR BA213 ENCLOSURE	SIZE	DOC	NUMBER	REV
		B	IB	BA213-0-0	D
SCALE 1/1	SHEET 8 OF 29	DIST			

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FIG.& ITEM NO.	DESCRIPTION	DEC PART NO. B	ECO CUT-IN 70-23998 00000	USED ON CODE	REF FIG NO.
7-	FAN ASSEMBLY	70-23998-01			2
1	*Bracket, Fan	74-33565-01			
2	*Fan, Tube Axial 4 1/2 inch	12-23609-04			
3	*Nut, Well No. 6-32	90-10115-00			
4	*Screw, Phl Pan Hd No. 6-32 x 2	90-06032-01			



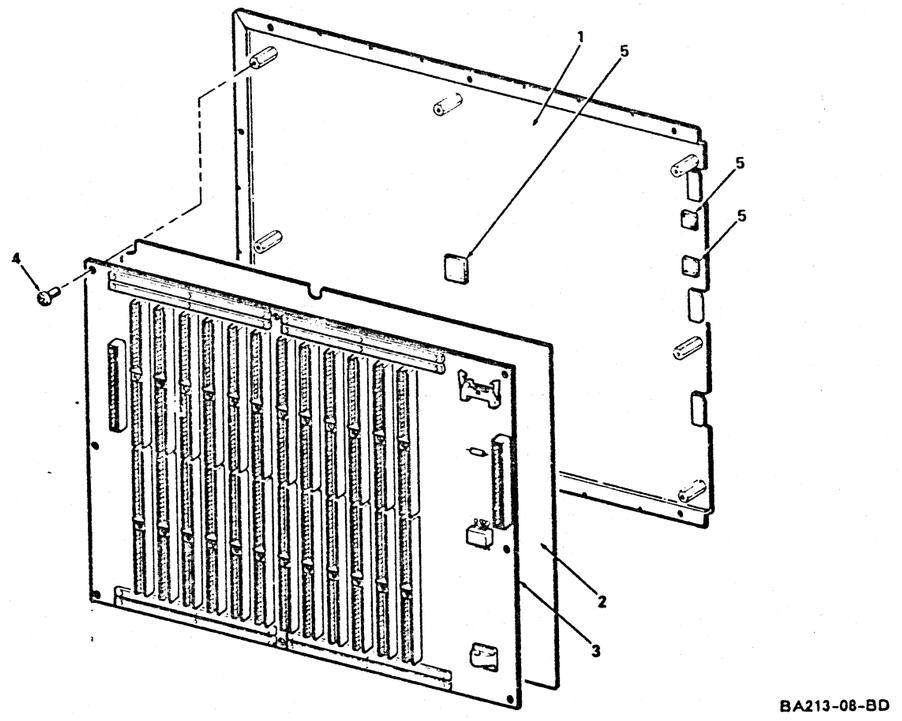
BA213-07-BD

Figure 7. Fan Assembly

TITLE	ILLUSTRATED BREAKDOWN FOR BA213 ENCLOSURE	SIZE B	CODE IB	NUMBER BA213-0-0	REV D
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FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-23712 00000	USED ON CODE	REF FIG NO.
8–	BACKPLANE ASSEMBLY	70-23712-01			2
1	*Panel, Backplane Support	74-33566-01			
2	*Insulator, Backplane	74-33980-01			
3	*Backplane, 12 Slot Q-Bus	54-16791-01			
4	*Screw, Self-Tap Truss Hd No. 6 x 5/16	90-00063-78			
5	*Bumper, Square Rubber	90-08525-01			



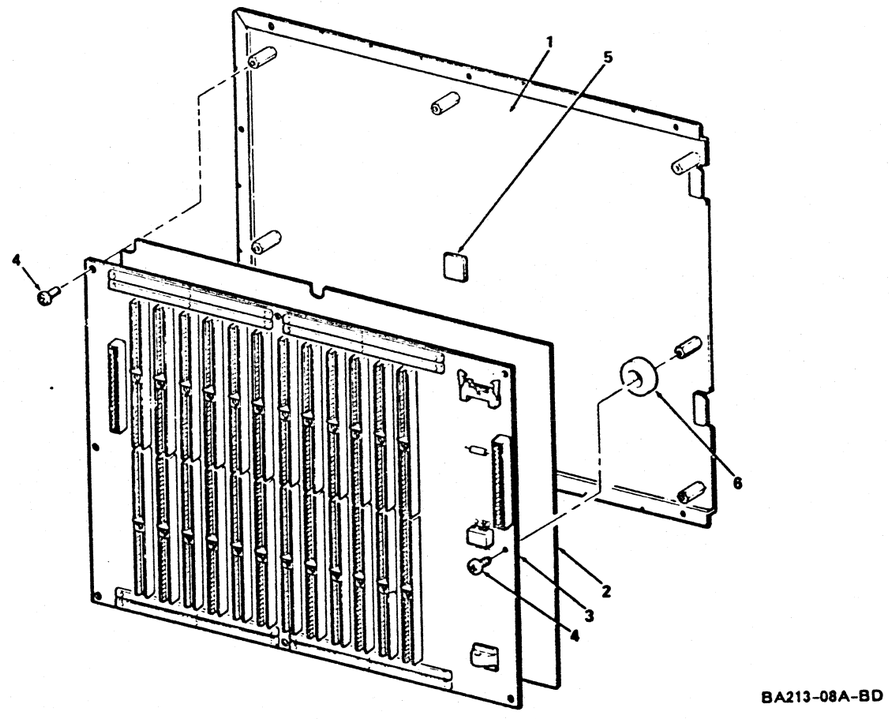
BA213-08-BD

Figure 8. Backplane Assembly, BA213

TITLE	ILLUSTRATED BREAKDOWN FOR BA213 ENCLOSURE	SIZE B	CODE IB	NUMBER BA213-0-0	REV D
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FIG. & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-23712 00005	USED ON CODE	REF FIG NO.
8A-	BACKPLANE ASSEMBLY, BA213	70-23712-01			2
1	*Panel, Backplane Support	74-39626-01			
2	*Insulator, Backplane	74-33980-01			
3	*Backplane, 12 Slot Q-Bus	54-16791-01			
4	*Screw, Self-Tap Truss Hd No. 6 x 5/16	90-00063-78			
5	*Bumper, Square Rubber	90-08525-01			
6	*Washer, Shoulder	74-39818-01			



BA213-08A-BD

Figure 8A. Backplane Assembly, BA213

TITLE	SIZE	CODE	NUMBER	REV
ILLUSTRATED BREAKDOWN FOR BA213 ENCLOSURE	B	IB	BA213-0-0	D
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FIG.& ITEM NO.	DESCRIPTION	DEC PART NO. B	ECO CUT-IN 70-23366 00000	USED ON CODE	REF FIG NO.
9-	HARNESS ASSEMBLY, H7868	70-23366-01			4
1	*Connector, (P3) Power Receptacle	12-25571-01			
2	*Terminal, (P3) Pin Contact	12-26858-02			
3	*Terminal, (P3) Power	12-25867-01			
4	*Terminal, (P3), 24-Pin 20AWG	12-26858-01			
5	*Connector, (P1) Universal Socket Mate-N-Lok	12-12167-01			
6	*Terminal, (P1) Socket Contact Mate-N-Lok	12-12170-00			
7	*Connector, (P2) IDC	12-15815-00			
8	*Terminal, Faston	12-26555-01			
9	*Wire, Strand Brown, 18AWG	91-07786-11			
	*Wire, Strand Blue, 18AWG	91-07786-66			
	*Wire, Strand Yellow/Green, 18AWG	91-07828-54			
	*Wire, Strand White, 22AWG	91-07796-99			
	*Wire, Strand Orange, 22AWG	91-07796-33			
	*Wire, Strand Black, 18AWG	91-07786-00			
10	*Tie, Cable	90-07031-00			
11	*Label, "ID"	36-16073-00			

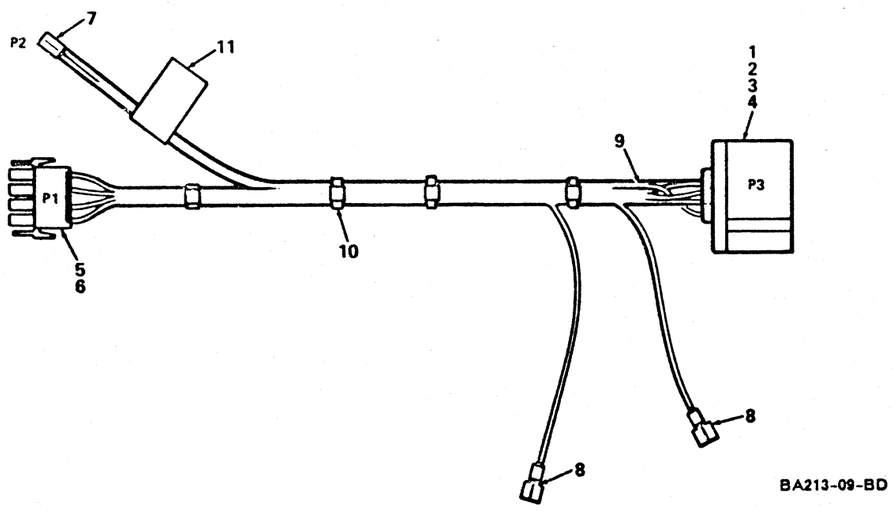
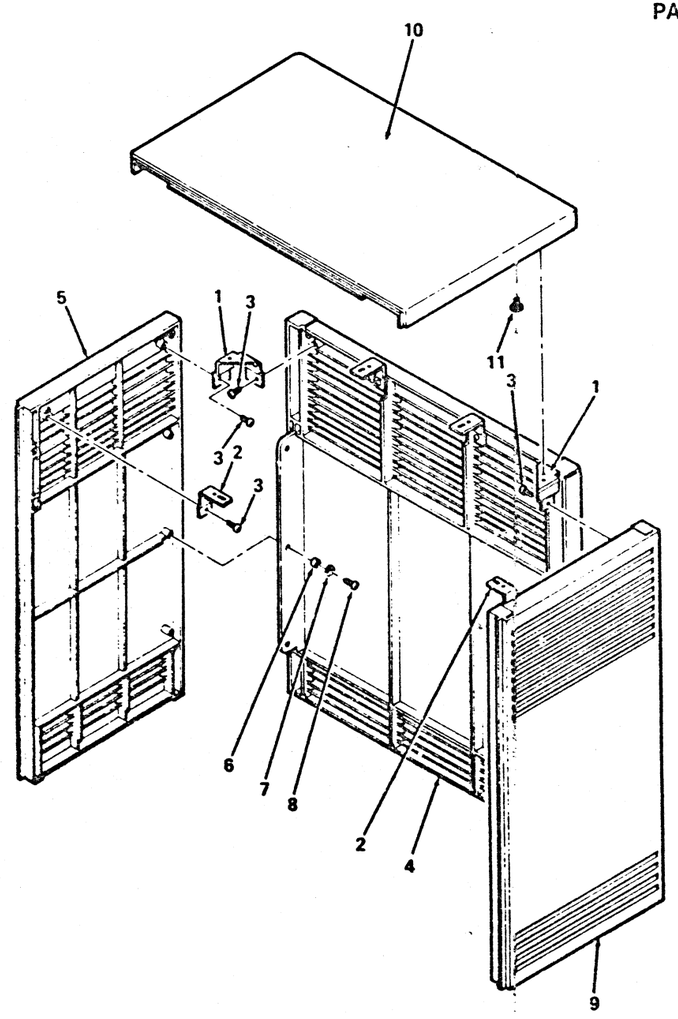


Figure 9. Harness Assembly, H7868

TITLE	ILLUSTRATED BREAKDOWN FOR BA213 ENCLOSURE	SIZE B	CODE IB	NUMBER BA213-0-0	REV D
SCALE 1/1	SHEET 12 OF 39	DIST			

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BA213-10-BD

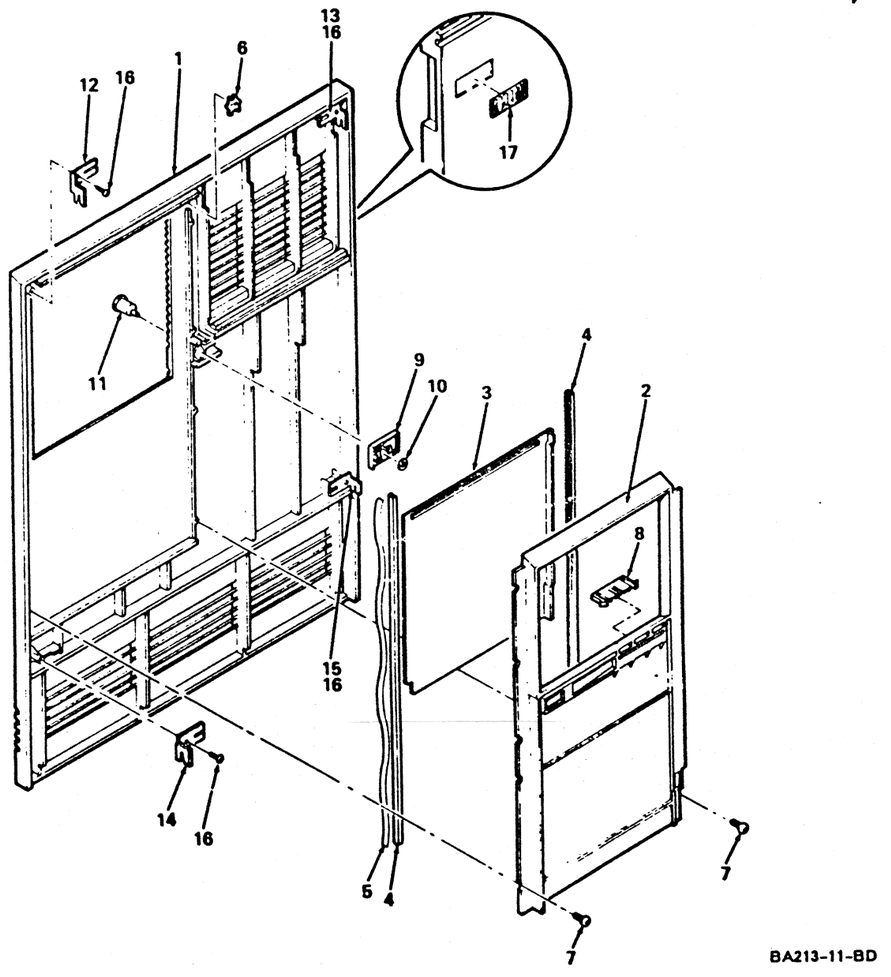
FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-24037 00000	USED ON CODE	REF FIG NO.
10-	ENCLOSURE ASSSEMBLY, SHELL	70-24037-01			1
1	*Bracket, Corner	74-34126-01			
2	*Bracket, Side	74-34125-01			
3	*Screw, Self-Tap Phl Pan Hd No. 8-16 x 3/8	90-09800-04			
4	*Panel, Rear	74-33651-01			
5	*Panel, Left Side	74-33694-01			
6	*Sleeve	74-34424-01			
7	*Washer, Flat	90-06661-00			
8	*Screw, Self-Tap Phl Pan Hd No. 8-16 x 1/2	90-09800-08			
9	*Panel, Right Side	74-33647-01			
10	*Cover, Top	74-33646-01			
11	*Screw, Thread Rolling Shoulder	12-26868-01			

Figure 10. Enclosure Assembly, Shell

TITLE	ILLUSTRATED BREAKDOWN FOR BA213 ENCLOSURE	SIZE	CODE	NUMBER	REV
		B	IB	BA213-0-0	D
SCALE 1/1	SHEET 13 OF 29	DIST			

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BA213-11-BD

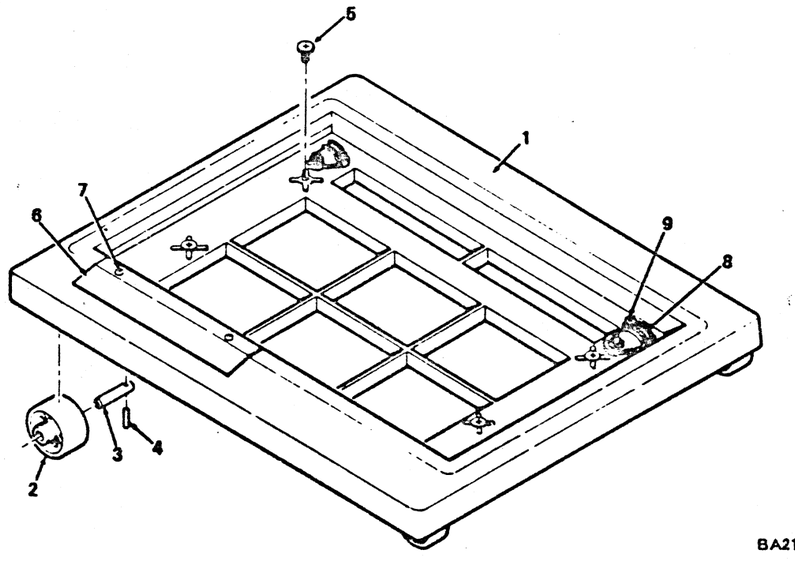
Figure 11. Panel Assembly, Front

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-24041 00000	USED ON CODE	REF FIG NO.
11-	PANEL ASSEMBLY, FRONT	70-24041-01		EF	1
1	*Panel, Front	74-33648-01			
2	*Bezel, Switch	74-34067-01			
3	*Door	74-34061-01			
4	*Channel, Front Panel	74-34062-01			
5	*Spring, Channel	74-34066-01			
6	*Stop, Door Position	74-34363-01			
7	*Screw, Phl Pan Hd No. 6-19 x 3/8	90-09800-06			
8	*Latch, Pull	74-34064-01			
9	*Latch, Slide	74-34065-01			
10	*Ring, Retainer	90-09257-05			
11	*Tumbler	74-34063-01			
12	*Bracket, Top Right Hand	74-34123-01			
13	*Bracket, Top Left Hand	74-34123-02			
14	*Bracket, Bottom Right Hand	74-34124-01			
15	*Bracket, Bottom Left Hand	74-34124-02			
16	*Screw, Self-Tap Phl Pan Hd No. 8-16 x 3/8	90-09800-04			
17	*Logo	74-34426-01			

TITLE	ILLUSTRATED BREAKDOWN FOR BA213 ENCLOSURE	SIZE	NUMBER	REV
		B IB	BA213-0-0	D
SCALE 1/1	SHEET 14 OF 29	DIST		

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FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-24046 00001	USED ON CODE	REF FIG NO.
12-	BASE ASSEMBLY	70-24046-01		EF	1
1	*Base. Lower	74-33650-01			
2	*Wheel, Base	74-34068-01			
3	*Shaft, Wheel	74-34069-01			
4	*Pin, Roll	90-09385-00			
5	*Screw, Thread Rolling Shoulder	12-26868-01			
6	*Support, Label	74-34645-01			
7	*Screw, Phl Pan Hd Self-Tap No. 6-19 x 3/8	90-09800-06			
8	*Fastener, Turn (See Note)	74-33854-01			
9	*Screw, Sems Phl Pan Hd No. 10-32 x 5/16 (See Note)	90-09282-00			
	Note: Item part of Figure 1. Shown here for clarity.				



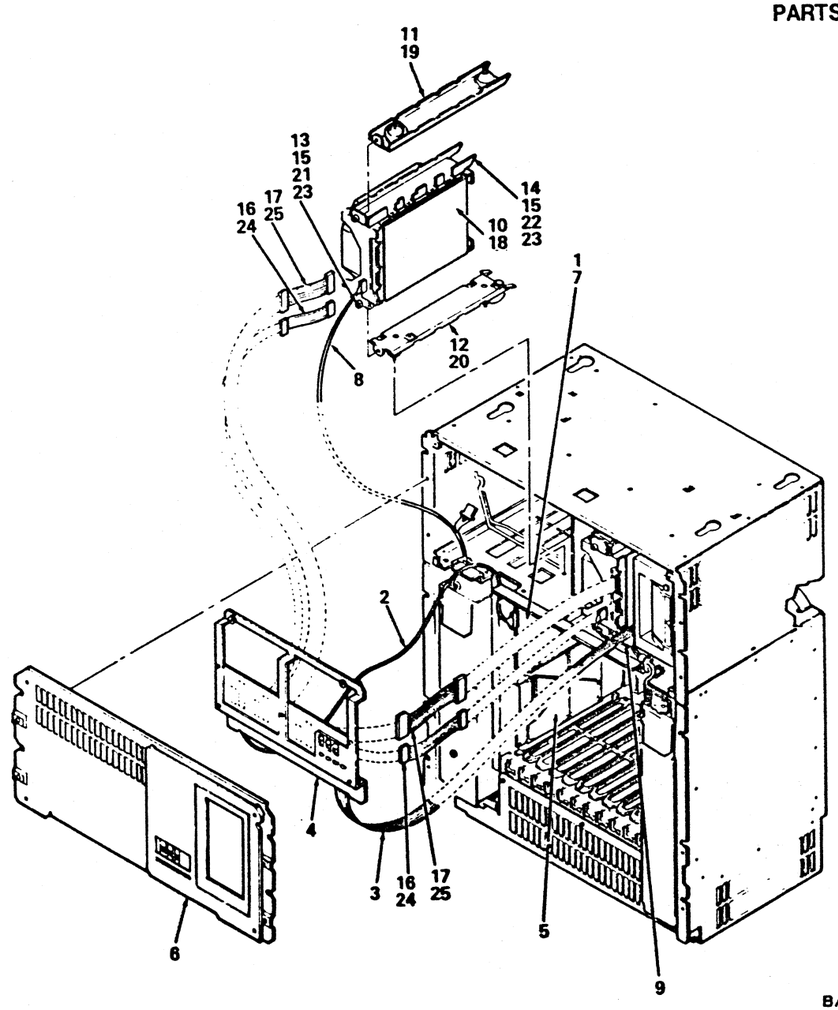
BA213-12-BD

Figure 12. Base Assembly

TITLE	ILLUSTRATED BREAKDOWN FOR BA213 ENCLOSURE	SIZE B	CODE IB	NUMBER BA213-0-0	REV D
SCALE 1/1	SHEET 15 OF 29	DIST			

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PARTS LIST



BA213-13-BD

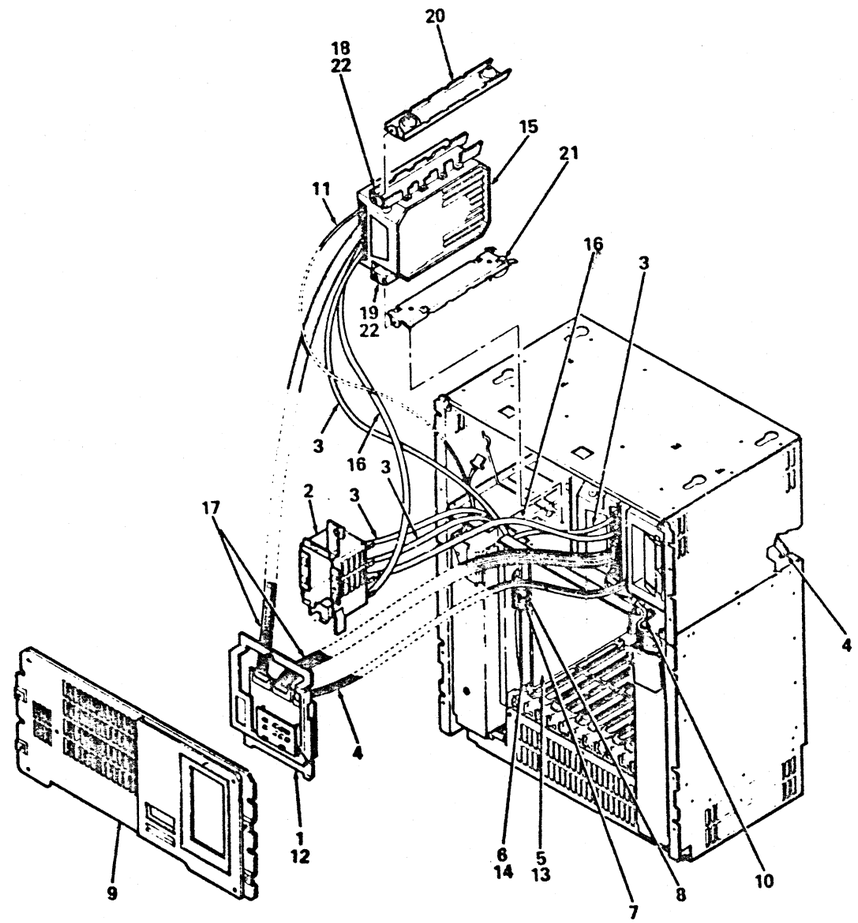
Figure 13. Kit, Controller and Disk Drive Mounting

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN	USED ON CODE	REF FIG NO.
13-	KITS, CONTROLLER and DISK DRIVE MOUNTING				
13A	*KIT, RQDX3-S Q-bus CONTROLLER	RQDX3-SA			
1	**Module, RD/RX Controller	RQDX3-00			
2	**Cable Assembly, Round, 50 Conductor	17-01361-01			
3	**Cable Assembly, Flat Ribbon, 10 Conductor	17-01641-01			
4	**SDB Assembly	70-24249-01			
5	**Panel, Blank Dual	74-33507-01			
6	**Panel, Front Assembly	70-23995-01			
7	**Label, "Module Number" (See Note)	36-26883-10			
8	**Harness Assembly, Left Power	17-01362-02			
9	**Harness Assembly, Right Power	17-01362-01			
	**********	**********			
13B	*KIT, RD53A DISK DRIVE MOUNTING W/CABLES	RD53A-SA			
10	**DISK DRIVE, 5.25 inch w/No Skid Plate (See IPB Manual EK-RD53A-IP)	RD53-EA			
11	**Shock Assembly, Top	70-25452-03			
12	**Shock Assembly, Bottom	70-25452-04			
13	**Bracket, Bottom Drive	74-33573-02			
14	**Bracket, Top Drive	74-33573-01			
15	***Screw, Slotted Shoulder Hd No. 6-32 x 1/2	12-27771-01			
	***Screw, Mach Flat Phl Hd No. 6-32 x 5/16	90-08404-02			
16	**Cable Assembly, Flat Ribbon, 20 Conductor	17-00282-03			
17	**Cable Assembly, Flat Ribbon, 34 Conductor	17-00286-03			
	**********	**********			
13C	*KIT, RD54A DISK DRIVE MOUNTING W/CABLES	RD54A-SA			
18	**DISK DRIVE, 5.25 inch w/No Skid Plate (See IPB Manual EK-RD54A-IP)	RD54-EA			
19	**Shock Assembly, Top	70-23997-03			
20	**Shock Assembly, Bottom	70-23997-04			
21	**Bracket, Bottom Drive	74-33573-02			
22	**Bracket, Top Drive	74-33573-01			
23	***Screw, Slotted Shoulder Hd No. 6-32 x 1/2	12-27771-01			
	***Screw, Mach Flat Phl Hd No. 6-32 x 5/16	90-08404-02			
24	**Cable Assembly, Flat Ribbon, 20 Conductor	17-00282-03			
25	**Cable Assembly, Flat Ribbon, 34 Conductor	17-00286-03			
	Note: Label placement is on Module Bulkhead.				

TITLE	SIZE	NUMBER	REV
ILLUSTRATED BREAKDOWN FOR BA213 ENCLOSURE	B IB	BA213-0-0	D
SCALE 1/1 SHEET 16 OF 29 DIST			

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PARTS LIST



BA213-14-BD

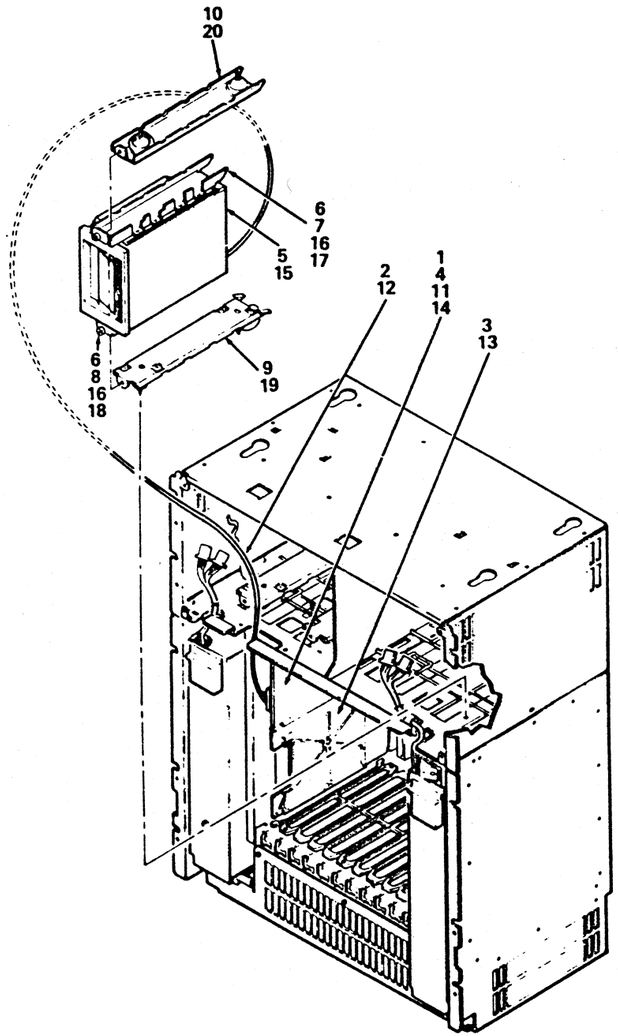
Figure 14. Kits, SDI Controller and Disk Drive Mounting

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN	USED ON CODE	REF FIG NO.
14-	KIT, SDI CONTROLLER and DISK DRIVE MOUNTING				
14A	*KIT, SDI CONTROLLER	KDA50-SA			
1	**OCP Assembly	70-24538-01			
2	**Distribution Assembly, Cable	70-24546-01			
3	**Cable Assembly, SI Shielded Coax	17-00951-03			
4	**Cable Assembly, Flat Ribbon, 10 Conductor	17-01641-01			
5	**Module, QDA Processor, Quad	M7164-00			
6	**Module, QDA, SDA, Quad	M7165-00			
7	**Cable Assembly, Flat Ribbon, 40 Pin	70-18447-00			
8	**Cable Assembly, Flat Ribbon, 50 Pin	70-18448-00			
9	**Panel Assembly, Front	70-24534-01			
10	**Harness Assembly, Right Power	17-01362-01			
11	**Harness Assembly, Left Power	17-01362-02			
12	**Label, "RA70 OCP"	36-28130-01			
13	**Label, "Module Number (M7164)" (See Note)	36-26883-46			
14	**Label, "Module Number (M7165)" (See Note)	36-26883-47			
	**********	**********			
14B	*KIT, RA70E DISK DRIVE MOUNTING	RA70E-SA			
15	**DISK DRIVE, 280 MB 5.25 inch WINCHESTER (See IPB Manual EK-RA70A-IP)	RA70-A			
16	**Cable Assembly, Flat, 04 Conductor	17-01503-01			
17	**Cable Assembly, Flat, 20 Conductor	17-00847-06			
18	**Bracket, Top Drive	70-24559-01			
19	**Bracket, Bottom Drive	70-24559-02			
20	**Shock Assembly, Top	70-23997-05			
21	**Shock Assembly, Bottom	70-23997-06			
22	***Screw, Sems Phl Pan Hd No. 6-32 x 5/16	90-10155-00			
	***Screw, Sems Slotted Shoulder Hd No. 6-32 x 1/2	12-27771-01			

Note: Label placement is on Module Bulkhead.

TITLE	ILLUSTRATED BREAKDOWN FOR BA213 ENCLOSURE	SIZE B IB	NUMBER BA213-0-0	REV D
SCALE 1/1	SHEET 17 OF 29	DIST		

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BA213-15-BD

Figure 15. Kits, Q-Bus Controller and Tape Drive Mounting

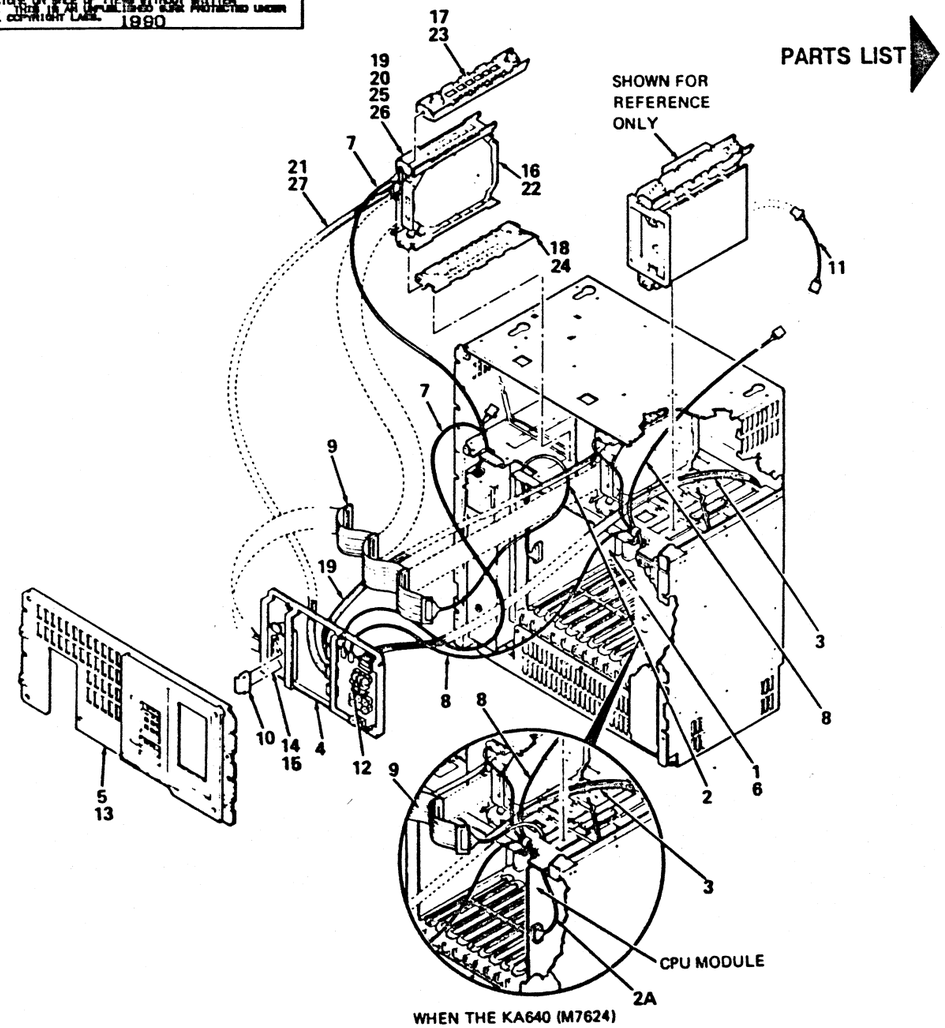
PARTS LIST

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN	USED ON CODE	REF FIG NO.
15-	KITS, Q-bus CONTROLLER and TAPE DRIVE MOUNTING				
15A	*KIT, Q-bus CONTROLLER	TQK50-SA			
1	**Module, Q-bus Tape Controller	M7546-00			
2	**Cable Assembly	17-01363-01			
3	**Panel, Blank Dual	74-33507-01			
4	**Label, "Module Number" (See Note)	36-26883-11			
	**Label, "BA2XX Rev" (Rolled) (Not Shown)	36-29163-07			
15B	*KIT, TK50 TAPE DRIVE MOUNTING	TK50E-SA			
5	**Tape Drive TK50 w/o Skid Plate (See IPB Manual EK-OTK50-IP)	TK50-EA			
6	**Screw, Mach Flat Phl Hd No. 6-32 x 5/16	90-08404-02			
	**Screw, Slotted Shoulder Hd No. 6-32 x 1/2	12-27771-01			
7	**Bracket, Top Drive	74-33573-01			
8	**Bracket, Bottom Drive	74-33573-02			
9	**Shock Assembly, Bottom	70-25452-03			
10	**Shock Assembly, Top	70-25452-04			
	**Label, "Warning" (Not Shown)	36-29342-01			
15C	*KIT, Q-bus CONTROLLER	TQK70-SA			
11	**Module, Tape Controller	M7559-00			
12	**Cable Assembly	17-01363-01			
13	**Panel, Blank Dual	74-33507-01			
14	**Label, "Module Number" (See Note)	36-26883-45			
	**Label, "BA2XX Rev" (Rolled) (Not Shown)	36-29163-07			
15D	*KIT, TK70 TAPE DRIVE MOUNTING	TK70E-SA			
15	**Tape Drive TK70 w/o Skid Plate (See IPB Manual EK-TK70A-IP)	TK70-EA			
16	**Screw, Phl Flat Hd No. 6-32 x 5/16	90-08404-02			
	**Screw, Slotted Shoulder Hd No. 6-32 x 1/2	12-27771-01			
17	**Bracket, Top Drive	74-33573-01			
18	**Bracket, Bottom Drive	74-33573-02			
19	**Shock Assembly, Bottom	70-25452-03			
20	**Shock Assembly, Top	70-25452-04			
21	**Label, "S-Box TK Cartridge Removal" (Not Shown)	36-28182-01			
	**Label, "Warning" (Not Shown)	36-29342-01			

Note: Label placement is on Module Bulkhead.

TITLE	ILLUSTRATED BREAKDOWN FOR BA213 ENCLOSURE	SIZE B	CODE IB	NUMBER BA213-0-0	REV D
SCALE 1/1	SHEET 18 OF 29	DIST			

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WHEN THE KA640 (M7624) CPU MODULE IS IN PLACE, USE THIS CABLING CONFIGURATION.

BA213-16-BD

Figure 16. Kit, Controller and QA-Bus Mounting

PARTS LIST

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN	USED ON CODE	REF FIG NO.
16-	KIT, CONTROLLER and DISK DRIVE MOUNTING				
16A	*KIT, KFQSA-S DSSI Q-BUS CONTROLLER	KFQSA-SA			
1	**Module, DSSI Controller RF and TF	M7769-00			
2	**Cable Assembly, Round, 50 Conductor	17-01931-01			
2A	**Cable Assembly, Round, 50 Conductor	17-02059-01			
3	**Cable Assembly, Flat Ribbon, 10 Conductor	17-01984-01			
	**Tie, Cable (Not Shown)	90-07032-00			
4	**OCP Assembly	70-25752-01			
5	**Panel Assembly, Front (DSSI)	70-25750-01			
6	**Label, "Module Number" (See Note)	36-26883-57			
7	**Harness Assembly, Left Power	17-01989-01			
8	**Harness Assembly, Right Power	17-01990-01			
9	**Cable Assembly, Flat Ribbon, 50 Pin Daisy Chain	17-01836-01			
10	**Plug, External Terminator	12-29258-01			
11	**Cable Assembly, TK Power 5 Pin to 4 Pin	17-01937-01			
12	**Lens, Encoder Set	12-28766-19			
13	**Label, "Control Panel	36-29341-01			
14	**Plate Assembly, Connector	70-26206-01			
15	**Screw, Mach Flat Hd (Metric No. 02.5 x .08)	90-10917-01			
16B	*KIT, RF30 DISK DRIVE MOUNTING w/CABLES	RF30E-SA			
16	**DISK DRIVE, HALF HEIGHT w/o SKID PLATE	RF30-EA			
	***Module, Drive	54-18247-01			
	***Mechanics, Drive	70-23536-01			
17	**Shock Assembly, Top	70-25452-02			
18	**Shock Assembly, Bottom	70-25452-01			
19	**Bracket, Bottom and Top Drive	74-36498-01			
20	***Screw, Slotted Shoulder Hd No. 6-32 x 1/2	12-27771-01			
	***Screw, Mach Flat Hd No. 6-32 x 5/32	90-00039-28			
21	**Cable Assembly, Flat Ribbon, 10 Conductor	17-01936-01			
16C	*KIT, RF71 DISK DRIVE MOUNTING w/CABLE	RF71E-SA			
22	**DISK DRIVE, w/o SKID PLATE	RF71-EA			
	***Module, Drive	54-18316-02			
	***Mechanics, Drive	70-23537-01			
23	**Shock Assembly, Top	70-25452-04			
24	**Shock Assembly, Bottom	70-25452-03			
25	**Bracket, Bottom and Top Drive	74-36498-01			
26	***Screw, Slotted Shoulder Hd No. 6-32 x 1/2	12-27771-01			
	***Screw, Mach Flat Hd No. 6-32 x 5/32	90-00039-28			
27	**Cable Assembly, Flat Ribbon, 10 Conductor	17-01936-01			
	Note: Label placement is on Module Bulkhead.				

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TITLE	ILLUSTRATED BREAKDOWN FOR BA213 ENCLOSURE	SIZE	CODE	NUMBER	REV
		B	IB	BA213-0-0	D
SCALE 1/1	SHEET 19 OF 29	DIST			

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PART NUMBER/DESCRIPTION INDEX

TITLE	ILLUSTRATED BREAKDOWN FOR BA213 ENCLOSURE	SIZE	CODE	NUMBER	REV
		B	IB	BA213-0-0	U
SCALE 1/1	SHEET 20 OF 29	DIST			

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BA213 ENCLOSURE INDEX BY DEC PART NUMBER

PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
12-12167-01	Connector, (P1) Universal Socket Mate-N-Lok	9	5
12-12170-00	Terminal, (P1) Socket Contact Mate-N-Lok	9	6
12-15815-00	Connector, (P2) IDC	9	7
12-17119-01	Key, Plastic	1	Not Shown
12-17874-02	Connector, (J3) 3-Pin Power Receptacle 10A, 250V	5	15
12-19912-06	Circuit Breaker	4	3
12-21249-04	Clip, Wire Routing	5	10
12-21249-06	Clip, Wire Routing (Replaces 12-21249-04)	2	8
12-21262-05	Switch, Rocker	6	2
12-23609-04	Fan, Tube Axial 4 1/2 inch	7	2
12-25469-03	Grommet	3	7
12-25469-04	Grommet	5	8
12-25571-01	Connector, (P3) Power Receptacle	9	1
12-25867-01	Terminal, (P3) Power	9	3
12-26555-01	Terminal, Faston	9	8
12-26858-01	Terminal, (P3), 24-Pin 20AWG	9	4
12-26858-02	Terminal, (P3) Pin Contact	9	2
12-26868-01	Screw, Thread Rolling Shoulder	10	11
12-26868-01	Screw, Thread Rolling Shoulder	12	5
12-26912-01	Card Guide	3	6
12-26922-01	Finger, Grounding	3	10
12-26922-01	Finger, Grounding	6	4
12-26922-01	Finger, Grounding	4	14
12-27034-01	Screw, Shoulder No. 8-32	6	9
12-27034-01	Screw, Shoulder No. 8-32	5	13
12-27235-02	Spring, Compression	4	5
12-27445-01	Spring, Compression	4	11
12-27446-01	Bushing, Captive Screw	4	10
12-27451-01	Screw, Slotted Filister Hd No. 6-32 x 5/16	3	14
12-27771-01	Screw, Slotted Shoulder Hd No. 6-32 x 1/2	16	20
12-27771-01	Screw, Slotted Shoulder Hd No. 6-32 x 1/2	15	6
12-27771-01	Screw, Slotted Shoulder Hd No. 6-32 x 1/2	14	22
12-27771-01	Screw, Slotted Shoulder Hd No. 6-32 x 1/2	16	26
12-27771-01	Screw, Slotted Shoulder Hd No. 6-32 x 1/2	13	15
12-27771-01	Screw, Slotted Shoulder Hd No. 6-32 x 1/2	15	16
12-27771-01	Screw, Slotted Shoulder Hd No. 6-32 x 1/2	13	23
12-27772-01	Screw, Shoulder No. 6-32 x 1/2 (Replaces 12-27771-01)	4	13
12-28766-19	Lens, Encoder Set	16	12
12-29258-01	Plug, External Terminator	16	10
12-30239-01	Screw, Captive No. 6-32 (added)	4	18
12-30421-01	Washer, Retaining (Replaces 12-27764-01)	5	17
12-30421-01	Washer, Retaining (added)	4	18
12-30421-01	Washer, Retaining (Replaces 12-27764-01)	4	9
17-00083-43	Cord, Power	1	8
17-00282-03	Cable Assembly, Flat Ribbon, 20 Conductor	13	16
17-00282-03	Cable Assembly, Flat Ribbon, 20 Conductor	13	24
17-00286-03	Cable Assembly, Flat Ribbon, 34 Conductor	13	25
17-00286-03	Cable Assembly, Flat Ribbon, 34 Conductor	13	17

BA213 ENCLOSURE INDEX BY DEC PART NUMBER

PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
17-00847-06	Cable Assembly, Flat, 20 Conductor	14	17
17-00951-03	Cable Assembly, SI Shielded Coax	14	3
17-01360-01	Cable Assembly	2	7
17-01361-01	Cable Assembly, Round, 50 Conductor	13	2
17-01362-01	Harness Assembly, Right Power	14	10
17-01362-01	Harness Assembly	1	20
17-01362-01	Harness Assembly, Right Power	13	9
17-01362-02	Harness Assembly, Left Power	14	11
17-01362-02	Harness Assembly, Left Power	13	8
17-01363-01	Cable Assembly	15	12
17-01363-01	Cable Assembly	15	2
17-01469-01	Harness Assembly, Wire	6	5
17-01503-01	Cable Assembly, Flat, 04 Conductor	14	16
17-01641-01	Cable Assembly, Flat Ribbon, 10 Conductor	14	4
17-01641-01	Cable Assembly, Flat Ribbon, 10 Conductor	13	3
17-01836-01	Cable Assembly, Flat Ribbon, 50 Pin Daisy Chain	16	9
17-01931-01	Cable Assembly, Round, 50 Conductor	16	2
17-01936-01	Cable Assembly, Flat Ribbon, 10 Conductor	16	21
17-01936-01	Cable Assembly, Flat Ribbon, 10 Conductor	16	27
17-01937-01	Cable Assembly, TK Power 5 Pin to 4 Pin	16	11
17-01964-01	Cable Assembly, Flat Ribbon, 10 Conductor	16	3
17-01989-01	Harness Assembly, Left Power	16	7
17-01990-01	Harness Assembly, Right Power	16	8
17-02059-01	Cable Assembly, Round, 50 Conductor	16	2A
36-10267-02	Label, "Danger High Voltage"	4	Not Shown
36-12680-00	Label, "Ground Symbol"	5	Not Shown
36-12680-02	Label, "Ground Symbol w/Circle"	5	Not Shown
36-16073-00	Label, "ID"	9	11
36-17905-16	Label, "Warning Equipment Rating 100-120V"	1	Not Shown
36-17905-17	Label, "Warning Equipment Rating 220-240V"	1	Not Shown
36-18460-05	Label, "Blank Bar Code"	5	Not Shown
36-18460-05	Label, "Blank Bar Code"	4	Not Shown
36-26511-01	Label, "Power Supply H7868-A"	4	Not Shown
36-26511-02	Label, "Power Supply H7868-B"	4	Not Shown
36-26883-10	Label, "Module Number"	13	7
36-26883-11	Label, "Module Number"	15	4
36-26883-17	Label, "Module Number M9060-YA"	1	Not Shown
36-26883-45	Label, "Module Number"	15	14
36-26883-46	Label, "Module Number (M7164)"	14	13
36-26883-47	Label, "Module Number (M7165)"	14	14
36-26883-57	Label, "Module Number"	16	6
36-27329-01	Label, "Serial/Model 100V Made in USA"	1	Not Shown
36-27329-02	Label, "Serial/Model 100V Made in UK"	1	Not Shown
36-27329-03	Label, "Serial/Model 220V Made in USA"	1	Not Shown
36-27329-04	Label, "Serial/Model 220V Made in UK"	1	Not Shown
36-27354-25	Label, "Logo Model"	1	Not Shown
36-27463-01	Label, "H7868-A"	4	Not Shown
36-27463-02	Label, "H7868-B"	4	Not Shown

TITLE	SIZE	NUMBER	REV
ILLUSTRATED BREAKDOWN FOR BA213 ENCLOSURE	B IB	BA213-0-0	D
SCALE 1/1 SHEET 21 OF 29	DIST		

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BA213 ENCLOSURE INDEX BY DEC PART NUMBER

PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
36-27338-28	Label, "PedestaL, USA 220V"	1	Not Shown
36-27838-29	Label, "Pedestal, UK 220V"	1	Not Shown
36-27838-30	Label, "Pedestal, UK 100V"	1	Not Shown
36-27838-31	Label, "Pedestal, USA 100V"	1	Not Shown
36-27923-01	Label, "S-Box MU"	1	Not Shown
36-28130-01	Label, "RA70 OCP"	14	12
36-28182-01	Label, "S-Box TK Cartridge Removal" (Not Shown)	15	21
36-29163-05	Label, "BA2XX Rev" (Rolled) (added)	4	Not Shown
36-29163-07	Label, "BA2XX Rev" (Rolled) (Not Shown)	15	Not Shown
36-29163-07	Label, "BA2XX Rev" (Rolled) (Not Shown)	15	Not Shown
36-29341-01	Label, "Control Panel"	16	13
36-29342-01	Label, "Warning" (Not Shown)	15	Not Shown
36-29342-01	Label, "Warning" (Not Shown)	15	Not Shown
47-00042-01	Screwdriver, Flat Blade	1	Not Shown
54-16791-01	Backplane, 12 Slot Q-Bus	8A	3
54-16791-01	Backplane, 12 Slot Q-Bus	8	3
54-16791-02	Backplane, 12 Slot BA200 (added)	8A	4
54-16879-01	Module, Power Supply	4	1
54-17079-01	Module, Dual Power Supply EMI Filter	5	2
54-18247-01	Module, Drive	16	16
54-18316-02	Module, Drive	16	22
70-18447-00	Cable Assembly, Flat Ribbon, 40 Pin	14	7
70-18448-00	Cable Assembly, Flat Ribbon, 50 Pin	14	8
70-22808-01	COVER ASSEMBLY, TOP POWER SUPPLY (Replaces 74-33976-01)	4	18
70-23366-01	HARNESS ASSEMBLY, H7868	9	N/A
70-23366-01	HARNESS ASSEMBLY, H7868	4	2
70-23536-01	Mechanics, Drive	16	16
70-23537-01	Mechanics, Drive	16	22
70-23712-01	BACKPLANE ASSEMBLY, BA213	8	N/A
70-23712-01	BACKPLANE ASSEMBLY, BA213	2	13
70-23712-01	BACKPLANE ASSEMBLY, BA213	8A	N/A
70-23712-02	BACKPLANE ASSEMBLY, BA213	8A	N/A
70-23769-01	INPUT ASSEMBLY, FILTER	2	10
70-23769-01	FILTER ASSEMBLY, INPUT	5	N/A
70-23770-01	Jumper Assembly, 2-Pin Mate-N-Lock, 120V	4	7
70-23974-C1	Weldment Assembly, Top	3	15
70-23981-01	Bulkhead Assembly, Front	1	11
70-23982-01	Bulkhead Assembly, Front Dual	1	4
70-23982-02	Bulkhead Assembly, Front Dual	1	2
70-23995-01	Panel, Front Assembly	13	6
70-23995-04	Panel Assembly, Front	1	13
70-23996-01	Filler, Power Supply Assembly	2	11
70-23997-03	Shock Assembly, Top	13	19
70-23997-04	Shock Assembly, Bottom	13	20
70-23997-05	Shock Assembly, Top	14	20

BA213 ENCLOSURE INDEX BY DEC PART NUMBER

PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
70-23997-06	Shock Assembly, Bottom	14	21
70-23998-01	FAN ASSEMBLY	7	N/A
70-23998-01	FAN ASSEMBLY	2	9
70-23999-01	SWITCH ASSEMBLY	6	N/A
70-23999-01	SWITCH ASSEMBLY	2	5
70-24001-01	Wiring Assembly, Filter	5	6
70-24004-01	Jumper, AC Input	5	3
70-24004-02	Jumper, AC Input	5	4
70-24007-01	Jumper, AC Input Ground	5	5
70-24037-01	ENCLOSURE ASSSEMBLY, SHELL	10	N/A
70-24037-01	ENCLOSURE ASSEMBLY, SHELL	1	9
70-24041-01	PANEL ASSEMBLY, FRONT	11	N/A
70-24041-01	PANEL ASSEMBLY, FRONT	1	10
70-24046-01	BASE ASSEMBLY	12	N/A
70-24046-01	BASE ASSEMBLY	1	5
70-24047-01	Weldment, Bottom Pan	3	1
70-24054-01	Bracket Assembly, Shipping	3	13
70-24227-01	ENCLOSURE ASSEMBLY, BA213 1 PS 120V	2	N/A
70-24227-01	ENCLOSURE ASSEMBLY, BA213 1 PS 120V	1	1
70-24227-02	ENCLOSURE ASSEMBLY, BA213 1 PS 240V	2	N/A
70-24227-02	ENCLOSURE ASSEMBLY, BA213 1 PS 240V	1	1
70-24227-03	ENCLOSURE ASSEMBLY, BA213 2 PS 120V	2	N/A
70-24227-03	ENCLOSURE ASSEMBLY, BA213 2 PS 120V	1	1
70-24227-04	ENCLOSURE ASSEMBLY, BA213 2 PS 240V	1	1
70-24227-04	ENCLOSURE ASSEMBLY, BA213 2 PS 240V	2	N/A
70-24249-01	SDB Assembly	13	4
70-24255-01	FRAME ASSEMBLY, BA213	3	N/A
70-24255-01	FRAME ASSEMBLY, BA213	2	1
70-24263-01	Hardware, Wall Mount	1	Not Shown
70-24263-02	Hardware, Rack Mount	1	Not Shown
70-24316-06	KIT, BIZ ACCESSORIES	1	Not Shown
70-24534-01	Panel Assembly, Front	14	9
70-24538-01	OCP Assembly	14	1
70-24546-01	Distribution Assembly, Cable	14	2
70-24559-01	Bracket, Top Drive	14	18
70-24559-02	Bracket, Bottom Drive	14	19
70-25452-01	Shock Assembly, Bottom	16	18
70-25452-02	Shock Assembly, Top	16	17
70-25452-03	Shock Assembly, Bottom	15	13
70-25452-03	Shock Assembly, Bottom	16	24
70-25452-03	Mount Assembly, Bottom Shock (Replaces 70-23997-01)	1	17
70-25452-03	Shock Assembly, Top	13	11
70-25452-03	Shock Assembly, Bottom	15	9
70-25452-04	Shock Assembly, Top	15	10
70-25452-04	Shock Assembly, Top	16	23
70-25452-04	Mount Assembly, Top Shock (Replaces 70-23997-02)	1	18

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PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
70-25452-04	Shock Assembly, Bottom	13	12
70-25452-04	Shock Assembly, Top	15	20
70-25721-01	Panel Assembly, Access	2	14
70-25750-01	Panel Assembly, Front (DSSI)	16	5
70-25752-01	OCP Assembly	16	4
70-26206-01	Plate Assembly, Connector	16	14
74-33416-02	Enclosure, Power Supply (Replaces 74-33416-01)	4	17
74-33417-01	Cover, Power Supply	4	20
74-33418-01	Pad, Insulator	4	8
74-33507-01	Panel, Blank Dual	15	13
74-33507-01	Panel, Blank Dual	15	3
74-33507-01	Panel, Blank Dual	13	5
74-33564-01	Card Guide, 6 Slot	3	5
74-33565-01	Bracket, Fan	7	1
74-33566-01	Panel, Backplane Support	8	1
74-33569-01	Enclosure, Side	3	22
74-33571-01	Cover, Top	3	25
74-33573-01	Bracket, Top Drive	15	17
74-33573-01	Bracket, Top Drive	13	22
74-33573-01	Bracket, Top Drive	15	7
74-33573-01	Bracket, Top Drive	13	14
74-33573-02	Bracket, Bottom Drive	15	18
74-33573-02	Bracket, Bottom Drive	15	8
74-33573-02	Bracket, Bottom Drive	13	21
74-33573-02	Bracket, Bottom Drive	13	13
74-33575-01	Pan. Bottom	3	12
74-33646-01	Cover, Top	10	10
74-33647-01	Panel, Right Side	10	9
74-33648-01	Panel, Front	11	1
74-33650-01	Base. Lower	12	1
74-33651-01	Panel, Rear	10	4
74-33694-01	Panel, Left Side	10	5
74-33854-01	Fastener, Turn	12	8
74-33854-01	Fastener, Turn	1	16
74-33962-01	Support, AC Filter	5	1
74-33963-01	Cover, A/C Right (Replaces 70-24234-01)	6	10
74-33966-01	Box, Switch	6	1
74-33971-01	Filler, Gap	3	9
74-33973-01	Support, Center	3	16
74-33974-01	Tray, AC Filter	3	2
74-33975-01	Channel, A/C Right (Replaces 70-24234-01)	6	3
74-33976-02	Cover, Top Power Supply (added)	4	18
74-33977-01	Foam, Top	3	18
74-33977-02	Foam, Top Right	3	19
74-33977-03	Foam, Top	3	20
74-33977-04	Foam, Top	3	21
74-33978-01	Foam, Back	3	17

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PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
74-33980-01	Insulator, Backplane	8A	2
74-33980-01	Insulator, Backplane	8	2
74-34061-01	Door	11	3
74-34062-01	Channel, Front Panel	11	4
74-34063-01	Tumbler	11	11
74-34064-01	Latch, Pull	11	8
74-34065-01	Latch, Slide	11	9
74-34066-01	Spring, Channel	11	5
74-34067-01	Bezel, Switch	11	2
74-34068-01	Wheel, Base	12	2
74-34069-01	Shaft, Wheel	12	3
74-34123-01	Bracket, Top Right Hand	11	12
74-34123-02	Bracket, Top Left Hand	11	13
74-34124-01	Bracket, Bottom Right Hand	11	14
74-34124-02	Bracket, Bottom Left Hand	11	15
74-34125-01	Bracket, Side	10	2
74-34126-01	Bracket, Corner	10	1
74-34363-01	Stop, Door Position	11	6
74-34424-01	Sleeve	10	6
74-34425-30	Nameplate, BA213	1	21
74-34426-01	Logo	11	17
74-34431-01	Support, Spring	4	4
74-34432-01	Bracket, Wall Mount	1	Not Shown
74-34638-01	Support, Mounting	1	Not Shown
74-34846-01	Support, Label	12	8
74-35417-01	Switch, Frame	1	14
74-36425-01	Panel, 5 1/4" Tape Drive Filler	1	19
74-36498-01	Bracket, Bottom and Top Drive	16	25
74-36498-01	Bracket, Bottom and Top Drive	16	19
74-36556-01	Bracket, Power Supply (deleted)	4	15
74-37040-01	Plate, Cover (added)	2	16
74-39621-01	Support, Top Card Cage (Replaces 74-33560-01)	3	11
74-39622-01	Card Cage, Bottom (Replaces 74-33561-01)	3	3
74-39623-01	Panel, Left Side (Replaces 74-33559-01)	3	24
74-39624-01	Panel, Right Side (Replaces 74-33558-01)	3	23
74-39625-01	Support, Fan (Replaces 74-33562-01)	3	4
74-39626-01	Panel, Backplane Support	8A	1
74-39818-01	Washer, Shoulder	8A	7
90-00030-40	Rivet	3	8
90-00039-28	Screw, Mach Flat Hd No. 6-32 x 5/32	16	26
90-00039-28	Screw, Mach Flat Hd No. 6-32 x 5/32	16	20
90-00063-78	Screw, Self Tap Truss Hd No. 6 x 5/16	8	4
90-00063-78	Screw, Self Tap Truss Hd No. 6 x 5/16	2	15
90-00063-78	Screw, Self-Tap Truss Hd No. 6 x 5/16	8A	5
90-06032-01	Screw, Phl Pan Hd No. 6-32 x 2	7	4
90-06557-00	Nut, Kep No. 4-40	5	14
90-06565-00	Nut, Kep No. 10-32	5	12
90-06565-00	Nut, Kep No. 10-32	6	8

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PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
90-06661-00	Washer, Flat	1	7
90-06661-00	Washer, Flat	10	7
90-06664-00	Washer, Flat	5	11
90-06664-00	Washer, Flat	6	7
90-07031-00	Tie, Cable	6	6
90-07031-00	Tie, Cable	5	7
90-07031-00	Tie, Cable	9	10
90-07031-00	Tie, Cable (deleted)	4	16
90-07032-00	Tie, Cable (Not Shown)	16	Not Shown
90-07032-00	Tie, Cable (deleted)	2	4
90-07064-00	Plug, Button (added)	2	12
90-07064-00	Plug, Button	1	15
90-07649-00	Washer, External Tooth Lock No. 6	4	12
90-07786-00	U-Nut, Retainer	1	Not Shown
90-08055-00	Nut, Kep No. 6-32	4	6
90-08185-00	Nut, Kep No. 6-32	2	6
90-08185-00	Nut, Kep No. 6-32 x 1/4 (added)	2	17
90-08264-00	Clamp, Cable (deleted)	2	3
90-08404-02	Screw, Mach Flat Phl Hd No. 6-32 x 5/16	15	6
90-08404-02	Screw, Mach Flat Phl Hd No. 6-32 x 5/16	13	15
90-08404-02	Screw, Phl Flat Hd No. 6-32 x 5/16	15	16
90-08404-02	Screw, Mach Flat Phl Hd No. 6-32 x 5/15	13	23
90-08525-01	Bumper, Square Rubber	8A	6
90-08525-01	Bumper, Square Rubber	8	5
90-09228-10	Screw, Sems Phl Pan Hd No. 10-32 x 3/8	1	Not Shown
90-09257-05	Ring, Retainer	11	10
90-09282-00	Screw, Sems Phl Pan Hd No.10-32 x 15/16	1	12
90-09282-00	Screw, Sems Phl Pan Hd No. 10-32 x 5/16	12	9
90-09385-00	Pin, Roll	12	4
90-09643-00	Screw, Sems Phl Pan Hd No. 4-40 x 3/8 (deleted)	4	19
90-09700-00	Screw, Sems Phl Pan Hd No. 10-32 x 1/2	1	Not Shown
90-09800-04	Screw, Self-Tap Phl Pan Hd No. 8-16 x 3/8	11	16
90-09800-04	Screw, Self-Tap Phl Pan Hd No. 8-16 x 3/8	10	3
90-09800-06	Screw, Phl Pan Hd Self-Tap No. 6-19 x 3/8	12	7
90-09800-06	Screw, Phl Pan Hd No. 6-19 x 3/8	11	7
90-09800-08	Screw, Self-Tap Phl Pan Hd No. 8-16 x 1/2	1	6
90-09800-08	Screw, Self-Tap Phl Pan Hd No. 8-16 x 1/2	10	8
90-09984-07	Screw, Sems Phl Pan Hd No. 6-32 x 5/16	4	21
90-09984-07	Screw, Sems Phl Pan Hd No. 6-32 x 5/16	5	9
90-10115-00	Nut. Well No. 6-32	7	3
90-10155-00	Screw, Sems Phl Pan Hd No. 6-32 x 5/16	14	22
90-10917-01	Screw, Mach Flat Hd (Metric No. 02.5 x .08)	16	15
90-10971-01	Screw, Mach Phl Truss Hd No. 6 x 5/16 (Replaces 90-00063-78)	5	16
91-07786-00	Wire, Strand Black, 18AWG	9	9
91-07786-11	Wire, Strand Brown, 18AWG	9	9
91-07786-66	Wire, Strand Blue, 18AWG	9	9
91-07796-33	Wire, Strand Orange, 22AWG	9	9
91-07796-99	Wire, Strand White, 22AWG	9	9
91-07828-54	Wire, Strand Yellow/Green, 18AWG	9	9

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PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
BA213-A2	BA213-A2 1 PS 120V w/o Skins	1	N/A
BA213-A3	BA213-A3 1 PS 240V w/o Skins	1	N/A
BA213-B2	BA213-B2 2 PS 120V w/o Skins	1	N/A
BA213-B3	BA213-B3 2 PS 240V w/o Skins	1	N/A
BA213-E3	BA213-E3 2 PS 240V w/Skins	1	N/A
BA213-EA	BA213-EA 1 PS 120V w/Skins	1	N/A
BA213-F3	BA213-F3 2 PS 240V w/o Skins Rack Mount/ Wall Mount Kit	1	N/A
BA213-FA	BA213-FA 2 PS 240V w/o Skins Rack Mount/ Wall Mount Kit	1	N/A
BA213-RA	KIT, RACK MOUNT BA213 LARGE S-BOX	1	Not Shown
BA213-WA	KIT, WALL MOUNT BA213 LARGE S-BOX	1	Not Shown
EK-BA200-IN	Guide, Rack Mount Installation	1	Not Shown
EK-BA200-IN	Guide, Wall Mount Installation	1	Not Shown
H7868-A	POWER SUPPLY ASSEMBLY, H7868 100/120V	2	2
H7868-A	POWER SUPPLY ASSEMBLY, H7868 100/120V	4	N/A
H7868-B	POWER SUPPLY ASSEMBLY, H7868 220/240V	2	2
H7868-B	POWER SUPPLY ASSEMBLY, H7868 220/240V	4	N/A
KDA50-SA	KIT, SDI CONTROLLER	14	N/A
KFQSA-SA	KIT, KFQSA-SA DSSI Q-BUS CONTROLLER	16	N/A
M7164-00	Module, QDA Processor, Quad	14	5
M7165-00	Module, QDA, SDA, Quad	14	6
M7546-00	Module, Q-bus Tape Controller	15	1
M7559-00	Module, Tape Controller	15	11
M7769-00	Module, DSSI Controller RF and TF	16	1
M9060-YA	Module, Load	1	3
RA70-A	DISK DRIVE, 280 MB 5.25 inch WINCHESTER	14	15
RA70E-SA	KIT, RA70E DISK DRIVE MOUNTING	14	N/A
RD53-EA	DISK DRIVE, 5.25 inch w/No Skid Plate	13	10
RD53A-SA	KIT, RD53A DISK DRIVE MOUNTING W/CABLES	13	N/A
RD54-EA	DISK DRIVE, 5.25 inch w/No Skid Plate	13	18
RD54A-SA	KIT, RD54A DISK DRIVE MOUNTING W/CABLES	13	N/A
RF30-EA	DISK DRIVE, HALF HEIGHT w/o SKID PLATE	16	16
RF30E-SA	KIT, RF30 DISK DRIVE MOUNTING w/CABLES	16	N/A
RF71-EA	DISK DRIVE, w/o SKID PLATE	16	22
RF71E-SA	KIT, RF71 DISK DRIVE MOUNTING w/CABLE	16	N/A
RQDX3-00	Module, RD/RX Controller	13	1
RQDX3-SA	KIT, RQDX3-S Q-Bus CONTROLLER	13	N/A
TK50-EA	Tape Drive TK50 w/o Skid Plate	15	5
TK50E-SA	KIT, TK50 TAPE DRIVE MOUNTING	15	N/A
TK70-EA	Tape Drive TK70 w/o Skid Plate	15	15
TK70E-SA	KIT, TK70 TAPE DRIVE MOUNTING	15	N/A
TQK50-SA	KIT, Q-bus CONTROLLER	15	N/A
TQK70-SA	KIT, Q-bus CONTROLLER	15	N/A

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DESCRIPTION	DEC PART NO.	FIG. NO.	ITEM NO.
BA213-A2 1 PS 120V w/o Skins	BA213-A2	1	N/A
BA213-A3 1 PS 120V w/o Skins	BA213-A3	1	N/A
BA213-B2 2 PS 120V w/o Skins	BA213-B2	1	N/A
BA213-B3 2 PS 240V w/o Skins	BA213-B3	1	N/A
BA213-E3 2 PS 240V w/Skins	BA213-E3	1	N/A
BA213-EA 1 PS 120V w/Skins	BA213-EA	1	N/A
BA213-F3 2 PS 240V w/o Skins Rack Mount/ Wall Mount Kit	BA213-F3	1	N/A
BA213-FA 2 PS 240V w/o Skins Rack Mount/ Wall Mount Kit	BA213-FA	1	N/A
BACKPLANE ASSEMBLY, BA213	70-23712-01	2	13
BACKPLANE ASSEMBLY, BA213	70-23712-02	8A	N/A
BACKPLANE ASSEMBLY, BA213	70-23712-01	8	N/A
BACKPLANE ASSEMBLY, BA213	70-23712-01	8A	N/A
Backplane, 12 Slot BA200 (added)	54-16791-02	8A	4
Backplane, 12 Slot Q-Bus	54-16791-01	8	3
Backplane, 12 Slot Q-Bus	54-16791-01	8A	3
BASE ASSEMBLY	70-24046-01	12	N/A
BASE ASSEMBLY	70-24046-01	1	5
Base. Lower	74-33650-01	12	1
Bezel, Switch	74-34067-01	11	2
Box, Switch	74-33966-01	6	1
Bracket Assembly, Shipping	70-24054-01	3	13
Bracket, Bottom and Top Drive	74-36498-01	16	25
Bracket, Bottom and Top Drive	74-36498-01	16	19
Bracket, Bottom Drive	74-33573-02	15	8
Bracket, Bottom Drive	74-33573-02	15	18
Bracket, Bottom Drive	74-33573-02	13	13
Bracket, Bottom Drive	70-24559-02	14	19
Bracket, Bottom Drive	74-33573-02	13	21
Bracket, Bottom Left Hand	74-34124-02	11	15
Bracket, Bottom Right Hand	74-34124-01	11	14
Bracket, Corner	74-34126-01	10	1
Bracket, Fan	74-33565-01	7	1
Bracket, Power Supply (deleted)	74-36556-01	4	15
Bracket, Side	74-34125-01	10	2
Bracket, Top Drive	74-33573-01	13	14
Bracket, Top Drive	74-33573-01	15	17
Bracket, Top Drive	74-33573-01	13	22
Bracket, Top Drive	74-33573-01	15	7
Bracket, Top Drive	70-24559-01	14	18
Bracket, Top Left Hand	74-34123-02	11	13
Bracket, Top Right Hand	74-34123-01	11	12
Bracket, Wall Mount	74-34432-01	1	Not Shown
Bulkhead Assembly, Front	70-23981-01	1	11
Bulkhead Assembly, Front Dual	70-23982-01	1	4
Bulkhead Assembly, Front Dual	70-23982-02	1	2
Bumper, Square Rubber	90-08525-01	8A	6
Bumper, Square Rubber	90-08525-01	8	5
Bushing, Captive Screw	12-27446-01	4	10

BA213 ENCLOSURE INDEX BY DEC PART DESCRIPTION

DESCRIPTION	DEC PART NO.	FIG. NO.	ITEM NO.
Cable Assembly	17-01363-01	15	2
Cable Assembly	17-01363-01	15	12
Cable Assembly	17-01360-01	2	7
Cable Assembly, Flat Ribbon, 10 Conductor	17-01964-01	16	3
Cable Assembly, Flat Ribbon, 10 Conductor	17-01936-01	16	21
Cable Assembly, Flat Ribbon, 10 Conductor	17-01641-01	13	3
Cable Assembly, Flat Ribbon, 10 Conductor	17-01641-01	14	4
Cable Assembly, Flat Ribbon, 10 Conductor	17-01936-01	16	27
Cable Assembly, Flat Ribbon, 20 Conductor	17-00282-03	13	16
Cable Assembly, Flat Ribbon, 20 Conductor	17-00282-03	13	24
Cable Assembly, Flat Ribbon, 34 Conductor	17-00286-03	13	25
Cable Assembly, Flat Ribbon, 34 Conductor	17-00286-03	13	17
Cable Assembly, Flat Ribbon, 40 Pin	70-18447-00	14	7
Cable Assembly, Flat Ribbon, 50 Pin	70-18448-00	14	8
Cable Assembly, Flat Ribbon, 50 Pin Daisy Chain	17-01836-01	16	9
Cable Assembly, Flat, 04 Conductor	17-01503-01	14	16
Cable Assembly, Flat, 20 Conductor	17-00847-06	14	17
Cable Assembly, Round, 50 Conductor	17-01361-01	13	2
Cable Assembly, Round, 50 Conductor	17-01931-01	16	2
Cable Assembly, Round, 50 Conductor	17-02059-01	16	2A
Cable Assembly, SI Shielded Coax	17-00951-03	14	3
Cable Assembly, TK Power 5 Pin to 4 Pin	17-01937-01	16	11
Card Cage, Bottom (Replaces 74-33561-01)	74-39622-01	3	3
Card Guide	12-26912-01	3	6
Card Guide, 6 Slot	74-33564-01	3	5
Channel, A/C Right (Replaces 70-24234-01)	74-33975-01	6	3
Channel, Front Panel	74-34062-01	11	4
Circuit Breaker	12-19912-06	4	3
Clamp, Cable (deleted)	90-08264-00	2	3
Clip, Wire Routing	12-21249-04	5	10
Clip, Wire Routing (Replaces 12-21249-04)	12-21249-06	2	8
Connector, (J3) 3-Pin Power Receptacle 10A, 250V	12-17874-02	5	15
Connector, (P1) Universal Socket Mate-N-Lok	12-12167-01	9	5
Connector, (P2) IDC	12-15815-00	9	7
Connector, (P3) Power Receptacle	12-25571-01	9	1
Cord, Power	17-00083-43	1	8
COVER ASSEMBLY, TOP POWER SUPPLY (Replaces 74-33976-01)	70-22808-01	4	18
Cover, A/C Right (Replaces 70-24234-01)	74-33983-01	6	10
Cover, Power Supply	74-33417-01	4	20
Cover, Top	74-33571-01	3	25
Cover, Top	74-33646-01	10	10
Cover, Top Power Supply (added)	74-33976-02	4	18
DISK DRIVE, 280 MB 5.25 inch WINCHESTER	RA70-A	14	15
DISK DRIVE, 5.25 inch w/No Skid Plate	RD53-EA	13	10
DISK DRIVE, 5.25 inch w/No Skid Plate	RD54-EA	13	18
DISK DRIVE, HALF HEIGHT w/o SKID PLATE	RF30-EA	16	16

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BA213 ENCLOSURE INDEX BY DEC PART DESCRIPTION

DESCRIPTION	DEC PART NO.	FIG. NO.	ITEM NO.
DISK DRIVE, w/o SKID PLATE	RF71-EA	16	22
Distribution Assembly, Cable	70-24546-01	14	2
Door	74-34061-01	11	3
ENCLOSURE ASSEMBLY, BA213	N/A	1	N/A
ENCLOSURE ASSEMBLY, BA213 1 PS 120V	70-24227-01	1	1
ENCLOSURE ASSEMBLY, BA213 1 PS 120V	70-24227-01	2	N/A
ENCLOSURE ASSEMBLY, BA213 1 PS 240V	70-24227-02	1	1
ENCLOSURE ASSEMBLY, BA213 1 PS 240V	70-24227-02	2	N/A
ENCLOSURE ASSEMBLY, BA213 2 PS 120V	70-24227-03	2	N/A
ENCLOSURE ASSEMBLY, BA213 2 PS 120V	70-24227-03	1	1
ENCLOSURE ASSEMBLY, BA213 2 PS 240V	70-24227-04	1	1
ENCLOSURE ASSEMBLY, BA213 2 PS 240V	70-24227-04	2	N/A
ENCLOSURE ASSEMBLY, SHELL	70-24037-01	1	9
ENCLOSURE ASSEMBLY,SHELL	70-24037-01	10	N/A
Enclosure, Power Supply (Replaces 74-33416-01)	74-33416-02	4	17
Enclosure, Side	74-33569-01	3	22
FAN ASSEMBLY	70-23998-01	7	N/A
FAN ASSEMBLY	70-23998-01	2	9
Fan, Tube Axial 4 1/2 inch	12-23609-04	7	2
Fastener, Turn	74-33854-01	12	8
Fastener, Turn	74-33854-01	1	16
Filler, Gap	74-33971-01	3	9
Filler, Power Supply Assembly	70-23996-01	2	11
FILTER ASSEMBLY, INPUT	70-23769-01	5	N/A
Finger, Grounding	12-26922-01	6	4
Finger, Grounding	12-26922-01	4	14
Finger, Grounding	12-26922-01	3	10
Foam, Back	74-33978-01	3	17
Foam, Top	74-33977-04	3	21
Foam, Top	74-33977-01	3	18
Foam, Top	74-33977-03	3	20
Foam, Top Right	74-33977-02	3	19
FRAME ASSEMBLY, BA213	70-24255-01	3	N/A
FRAME ASSEMBLY, BA213	70-24255-01	2	1
Grommet	12-25469-03	3	7
Grommet	12-25469-04	5	8
Guide, Rack Mount Installation	EK-BA200-IN	1	Not Shown
Guide, Wall Mount Installation	EK-BA200-IN	1	Not Shown
Hardware, Rack Mount	70-24263-02	1	Not Shown
Hardware, Wall Mount	70-24263-01	1	Not Shown
Harness Assembly	17-01362-01	1	20
HARNESS ASSEMBLY, H7868	70-23366-01	9	N/A
HARNESS ASSEMBLY, H7868	70-23366-01	4	2
Harness Assembly, Left Power	17-01362-02	13	8
Harness Assembly, Left Power	17-01989-01	16	7
Harness Assembly, Left Power	17-01362-02	14	11
Harness Assembly, Right Power	17-01990-01	16	8

BA213 ENCLOSURE INDEX BY DEC PART DESCRIPTION

DESCRIPTION	DEC PART NO.	FIG. NO.	ITEM NO.
Harness Assembly, Right Power	17-01362-01	13	9
Harness Assembly, Right Power	17-01362-01	14	10
Harness Assembly, Wire	17-01469-01	6	5
INPUT ASSEMBLY, FILTER	70-23769-01	2	10
Insulator, Backplane	74-33980-01	8	2
Insulator, Backplane	74-33980-01	8A	2
Jumper Assembly, 2-Pin Mate-N-Lock,120V	70-23770-01	4	7
Jumper, AC Input	70-24004-02	5	4
Jumper, AC Input	70-24004-01	5	3
Jumper, AC Input Ground	70-24007-01	5	5
Key, Plastic	12-17119-01	1	Not Shown
KIT, BIZ ACCESSORIES	70-24316-06	1	Not Shown
KIT, CONTROLLER and DISK DRIVE MOUNTING	N/A	16	N/A
KIT, KFQSA-SA DSSI Q-BUS CONTROLLER	KFQSA-SA	16	N/A
KIT, Q-bus CONTROLLER	TQK70-SA	15	N/A
KIT, Q-bus CONTROLLER	TQK50-SA	15	N/A
KIT, RA70E DISK DRIVE MOUNTING	RA70E-SA	14	N/A
KIT, RACK MOUNT BA213 LARGE S-BOX	BA213-RA	1	Not Shown
KIT, RD53A DISK DRIVE MOUNTING W/CABLES	RD53A-SA	13	N/A
KIT, RD54A DISK DRIVE MOUNTING W/CABLES	RD54A-SA	13	N/A
KIT, RF30 DISK DRIVE MOUNTING w/CABLES	RF30E-SA	16	N/A
KIT, RF71 DISK DRIVE MOUNTING w/CABLE	RF71E-SA	16	N/A
KIT, RQDX3-S Q-Bus CONTROLLER	RQDX3-SA	13	N/A
KIT, SDI CONTROLLER	KDA50-SA	14	N/A
KIT, SDI CONTROLLER and DISK DRIVE MOUNTING	N/A	14	N/A
KIT, TK50 TAPE DRIVE MOUNTING	TK50E-SA	15	N/A
KIT, TK70 TAPE DRIVE MOUNTING	TK70E-SA	15	N/A
KIT, WALL MOUNT BA213 LARGE S-BOX	BA213-WA	1	Not Shown
KITS, CONTROLLER and DISK DRIVE MOUNTING	N/A	13	N/A
KITS, Q-bus CONTROLLER and TAPE DRIVE MOUNTING	N/A	15	N/A
Label, "BA2XX Rev" (Rolled) (added)	36-29163-05	4	Not Shown
Label, "BA2XX Rev" (Rolled) (Not Shown)	36-29163-07	15	Not Shown
Label, "BA2XX Rev" (Rolled) (Not Shown)	36-29163-07	15	Not Shown
Label, "Blank Bar Code"	36-18460-05	4	Not Shown
Label, "Blank Bar Code"	36-18460-05	5	Not Shown
Label, "Control Panel"	36-29341-01	16	13
Label, "Danger High Voltage"	36-10267-02	4	Not Shown
Label, "Ground Symbol w/Circle"	36-12690-02	5	Not Shown
Label, "Ground Symbol"	36-12680-00	5	Not Shown
Label, "H7868-A"	36-27463-01	4	Not Shown
Label, "H7868-B"	36-27463-02	4	Not Shown
Label, "ID"	36-16073-00	9	11
Label, "Logo Model"	36-27354-25	1	Not Shown
Label, "Module Number (M7164)"	36-26883-46	14	13
Label, "Module Number (M7165)"	36-26883-47	14	14
Label, "Module Number M9060-YA"	36-26883-17	1	Not Shown
Label, "Module Number"	36-26883-11	15	4

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BA213 ENCLOSURE INDEX BY DEC PART DESCRIPTION

DESCRIPTION	DEC PART NO.	FIG. NO.	ITEM NO.
Label, "Module Number"	36-26883-45	15	14
Label, "Module Number"	36-26883-57	16	6
Label, "Module Number"	36-26883-10	13	7
Label, "Pedestal, UK 100V"	36-27838-30	1	Not Shown
Label, "Pedestal, UK 220V"	36-27838-29	1	Not Shown
Label, "Pedestal, USA 100V"	36-27838-31	1	Not Shown
Label, "PedestaL, USA 220V"	36-27838-28	1	Not Shown
Label, "Power Supply H7868-A"	36-26511-01	4	Not Shown
Label, "Power Supply H7868-B"	36-26511-02	4	Not Shown
Label, "RA70 OCP"	36-28130-01	14	12
Label, "S-Box MU"	36-27923-01	1	Not Shown
Label, "S-Box TK Cartridge Removal" (Not Shown)	36-28182-01	15	21
Label, "Serial/Model 100V Made in UK"	36-27329-02	1	Not Shown
Label, "Serial/Model 100V Made in USA"	36-27329-01	1	Not Shown
Label, "Serial/Model 220V Made in UK"	36-27329-04	1	Not Shown
Label, "Serial/Model 220V Made in USA"	36-27329-03	1	Not Shown
Label, "Warning Equipment Rating 100-120V"	36-17905-16	1	Not Shown
Label, "Warning Equipment Rating 220-240V"	36-17905-17	1	Not Shown
Label, "Warning" (Not Shown)	36-29342-01	15	Not Shown
Label, "Warning" (Not Shown)	36-29342-01	15	Not Shown
Latch, Pull	74-34064-01	11	8
Latch, Slide	74-34065-01	11	9
Lens, Encoder Set	12-28766-19	16	12
Logo	74-34426-01	11	17
Mechanics, Drive	70-23537-01	16	22
Mechanics, Drive	70-23536-01	16	16
Module, Drive	54-18316-02	16	22
Module, Drive	54-18247-01	16	16
Module, DSSI Controller RF and TF	M7769-00	16	1
Module, Dual Power Supply EMI Filter	54-17079-01	5	2
Module, Load	M9060-YA	1	3
Module, Power Supply	54-16879-01	4	1
Module, Q-bus Tape Controller	M7546-00	15	1
Module, QDA Processor, Quad	M7164-00	14	5
Module, QDA, SDA, Quad	M7165-00	14	6
Module, RD/RX Controller	RQDX3-00	13	1
Module, Tape Controller	M7559-00	15	11
Mount Assembly, Bottom Shock (Replaces 70-23997-01)	70-25452-03	1	17
Mount Assembly, Top Shock (Replaces 70-23997-02)	70-25452-04	1	18
Nameplate, BA213	74-34425-30	1	21
Nut, Kep No. 10-32	90-06565-00	5	12
Nut, Kep No. 10-32	90-06565-00	6	8
Nut, Kep No. 4-40	90-06557-00	5	14
Nut, Kep No. 6-32	90-08185-00	2	6
Nut, Kep No. 6-32	90-08055-00	4	6

BA213 ENCLOSURE INDEX BY DEC PART DESCRIPTION

DESCRIPTION	DEC PART NO.	FIG. NO.	ITEM NO.
Nut, Kep No. 6-32 x 1/4 (added)	90-08185-00	2	17
Nut. Well No. 6-32	90-10115-00	7	3
OCP Assembly	70-25752-01	16	4
OCP Assembly	70-24538-01	14	1
Pad, Insulator	74-33418-01	4	8
Pan, Bottom	74-33575-01	3	12
Panel Assembly, Access	70-25721-01	2	14
Panel Assembly, Front	70-24534-01	14	9
PANEL ASSEMBLY, FRONT	70-24041-01	11	N/A
Panel Assembly, Front	70-23995-04	1	13
PANEL ASSEMBLY, FRONT	70-24041-01	1	10
Panel Assembly, Front (DSSI)	70-25750-01	16	5
Panel, 5 1/4" Tape Drive Filler	74-36425-01	1	19
Panel, Backplane Support	74-39626-01	8A	1
Panel, Backplane Support	74-33566-01	8	1
Panel, Blank Dual	74-33507-01	15	3
Panel, Blank Dual	74-33507-01	15	13
Panel, Blank Dual	74-33507-01	13	5
Panel, Front	74-33648-01	11	1
Panel, Front Assembly	70-23995-01	13	6
Panel, Left Side	74-33694-01	10	5
Panel, Left Side (Replaces 74-33559-01)	74-39623-01	3	24
Panel, Rear	74-33651-01	10	4
Panel, Right Side	74-33647-01	10	9
Panel, Right Side (Replaces 74-33558-01)	74-39624-01	3	23
Pin, Roll	90-09385-00	12	4
Plate Assembly, Connector	70-26206-01	16	14
Plate, Cover (added)	74-37040-01	2	16
Plug, Button	90-07064-00	1	15
Plug, Button (added)	90-07064-00	2	12
Plug, External Terminator	12-29258-01	16	10
POWER SUPPLY ASSEMBLY, H7868 100/120V	H7868-A	4	N/A
POWER SUPPLY ASSEMBLY, H7868 220/240V	H7868-B	4	N/A
POWER SUPPLY ASSEMBLY, H7868 100/120V	H7868-A	2	2
POWER SUPPLY ASSEMBLY, H7868 220/240V	H7868-B	2	2
Ring, Retainer	90-09257-05	11	10
Rivet	90-00030-40	3	8
Screw, Captive No. 6-32 (added)	12-30239-01	4	18
Screw, Mach Flat Hd (Metric No. 02.5 x .08)	90-10917-01	16	15
Screw, Mach Flat Hd No. 6-32 x 5/32	90-00039-28	16	20
Screw, Mach Flat Hd No. 6-32 x 5/32	90-00039-28	16	26
Screw, Mach Flat Phl Hd No. 6-32 x 5/16	90-08404-02	13	15
Screw, Mach Flat Phl Hd No. 6-32 x 5/16	90-08404-02	13	23
Screw, Mach Flat Phl Hd No. 6-32 x 5/16	90-08404-02	15	6
Screw, Mach Phl Truss Hd No. 6 x 5/16 (Replaces 90-00063-78)			

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BA213 ENCLOSURE INDEX BY DEC PART DESCRIPTION

DESCRIPTION	DEC PART NO.	FIG. NO.	ITEM NO.
Screw, Phl Flat Hd No. 6-32 x 5/16	90-08404-02	15	16
Screw, Phl Pan Hd No. 6-19 x 3/8	90-09800-06	11	7
Screw, Phl Pan Hd No. 6-32 x 2	90-06032-01	7	4
Screw, Phl Pan Hd Self-Tap No. 6-19 x 3/8	90-09800-06	12	7
Screw, Self Tap Truss Hd No. 6 x 5/16	90-00063-78	2	15
Screw, Self Tap Truss Hd No. 6 x 5/16	90-00063-78	8	4
Screw, Self-Tap Phl Pan Hd No. 8-16 x 3/8	90-09800-04	11	16
Screw, Self-Tap Phl Pan Hd No. 8-16 x 1/2	90-09800-08	10	8
Screw, Self-Tap Phl Pan Hd No. 8-16 x 1/2	90-09800-08	1	6
Screw, Self-Tap Phl Pan Hd No. 8-16 x 3/8	90-09800-04	10	3
Screw, Self-Tap Truss Hd No. 6 x 5/16	90-00063-78	8A	5
Screw, Sems Phl Pan Hd No. 10-32 x 1/2	90-09700-00	1	Not Shown
Screw, Sems Phl Pan Hd No. 10-32 x 3/8	90-09228-10	1	Not Shown
Screw, Sems Phl Pan Hd No. 10-32 x 5/16	90-09282-00	12	9
Screw, Sems Phl Pan Hd No. 4-40 x 3/8 (deleted)	90-09643-00	4	19
Screw, Sems Phl Pan Hd No. 6-32 x 5/16	90-10155-00	14	22
Screw, Sems Phl Pan Hd No. 6-32 x 5/16	90-09984-07	4	21
Screw, Sems Phl Pan Hd No. 6-32 x 5/16	90-09984-07	5	9
Screw, Sems Phl Pan Hd No.10-32 x 15/16	90-09282-00	1	12
Screw, Sems Slotted Shoulder Hd No. 6-32 x 1/2	12-27771-01	14	22
Screw, Shoulder No. 6-32 x 1/2 (Replaces 12-27771-01	12-27772-01	4	13
Screw, Shoulder No. 8-32	12-27034-01	5	13
Screw, Shoulder No. 8-32	12-27034-01	6	9
Screw, Slotted Filister Hd No. 6-32 x 5/16	12-27451-01	3	14
Screw, Slotted Shoulder Hd No. 6-32 x 1/2	12-27771-01	15	6
Screw, Slotted Shoulder Hd No. 6-32 x 1/2	12-27771-01	15	16
Screw, Slotted Shoulder Hd No. 6-32 x 1/2	12-27771-01	13	23
Screw, Slotted Shoulder Hd No. 6-32 x 1/2	12-27771-01	16	20
Screw, Slotted Shoulder Hd No. 6-32 x 1/2	12-27771-01	16	26
Screw, Slotted Shoulder Hd No. 6-32 x 1/2	12-27771-01	13	15
Screw, Thread Rolling Shoulder	12-26868-01	12	5
Screw, Thread Rolling Shoulder	12-26868-01	10	11
Screwdriver, Flat Blade	47-00042-01	1	Not Shown
SDB Assembly	70-24249-01	13	4
Shaft, Wheel	74-34069-01	12	3
Shock Assembly, Bottom	70-23997-06	14	21
Shock Assembly, Bottom	70-25452-03	15	9
Shock Assembly, Bottom	70-25452-04	13	12
Shock Assembly, Bottom	70-25452-03	15	19
Shock Assembly, Bottom	70-23997-04	13	20
Shock Assembly, Bottom	70-25452-03	16	24
Shock Assembly, Bottom	70-25452-01	16	18
Shock Assembly, Top	70-25452-04	15	10
Shock Assembly, Top	70-25452-02	16	17
Shock Assembly, Top	70-23997-03	13	19
Shock Assembly, Top	70-23997-05	14	20
Shock Assembly, Top	70-25452-03	13	11
Shock Assembly, Top	70-25452-04	16	23

BA213 ENCLOSURE INDEX BY DEC PART DESCRIPTION

DESCRIPTION	DEC PART NO.	FIG. NO.	ITEM NO.
Shock Assembly, Top	70-25452-04	15	20
Sleeve	74-34424-01	10	6
Spring, Channel	74-34066-01	11	5
Spring, Compression	12-27235-02	4	5
Spring, Compression	12-27445-01	4	11
Stop, Door Position	74-34363-01	11	6
Support, AC Filter	74-33962-01	5	1
Support, Center	74-33973-01	3	16
Support, Fan (Replaces 74-33562-01)	74-39625-01	3	4
Support, Label	74-34846-01	12	6
Support, Mounting	74-34638-01	1	Not Shown
Support, Spring	74-34431-01	4	4
Support, Top Card Cage (Replaces 74-33560-01)	74-39621-01	3	11
SWITCH ASSEMBLY	70-23999-01	2	5
SWITCH ASSEMBLY	70-23999-01	6	N/A
Switch, Frame	74-35417-01	1	14
Switch, Rocker	12-21262-05	6	2
Tape Drive TK50 w/o Skid Plate	TK50-EA	15	5
Tape Drive TK70 w/o Skid Plate	TK70-EA	15	15
Terminal, (P1) Socket Contact Mate-N-Lok	12-12170-00	9	6
Terminal, (P3) Pin Contact	12-26858-02	9	2
Terminal, (P3) Power	12-25867-01	9	3
Terminal, (P3), 24-Pin 20AWG	12-26858-01	9	4
Terminal, Faston	12-26555-01	9	8
Tie, Cable	90-07031-00	9	10
Tie, Cable	90-07031-00	5	7
Tie, Cable	90-07031-00	6	6
Tie, Cable (deleted)	90-07032-00	2	4
Tie, Cable (deleted)	90-07031-00	4	16
Tie, Cable (Not Shown)	90-07032-00	16	Not Shown
Tray, AC Filter	74-33974-01	3	2
Tumbler	74-34063-01	11	11
U-Nut, Retainer	90-07786-00	1	Not Shown
Washer, External Tooth Lock No. 6	90-07649-00	4	12
Washer, Flat	90-06664-00	5	11
Washer, Flat	90-06661-00	10	7
Washer, Flat	90-06664-00	6	7
Washer, Flat	90-06661-00	1	7
Washer, Retaining (Replaces 12-27764-01)	12-30421-01	4	9
Washer, Retaining (Replaces 12-27764-01)	12-30421-01	5	17
Washer, Retaining (added)	12-30421-01	4	18
Washer, Shoulder	74-39818-01	8A	7
Weldment Assembly, Top	70-23974-01	3	15
Weldment, Bottom Pan	70-24047-01	3	1
Wheel, Base	74-34068-01	12	2

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BA213 ENCLOSURE INDEX BY DEC PART DESCRIPTION

DESCRIPTION	DEC PART NO.	FIG. NO.	ITEM NO.
Wire, Strand Black, 18AWG	91-07786-00	9	9
Wire, Strand Blue, 18AWG	91-07786-66	9	9
Wire, Strand Brown, 18AWG	91-07786-11	9	9
Wire, Strand Orange, 22AWG	91-07796-33	9	9
Wire, Strand White, 22AWG	91-07796-99	9	9
Wire, Strand Yellow/Green, 18AWG	91-07828-54	9	9
Wiring Assembly, Filter	70-24001-01	5	6

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EK-RD53A-IP-001

ILLUSTRATED PARTS BREAKDOWN

RD53-A DISK DRIVE

HOW TO USE THE IPB

GENERAL
This IPB is compiled following the organization and nomenclature of the engineering drawing structure.

MAJOR ASSEMBLY LOCATOR
The Major Assembly Locator (first illustration) is an index that provides a description and a figure reference for all illustrations used in this manual.

INDENTED PARTS LIST
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Ref Fig No. – A cross reference between illustrations. For each Major Assembly, the number in this column denotes the figure of the next higher assembly. For all subassemblies, the number in this column denotes the figure showing additional detailed breakdown.

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(NFR) Not Field Repairable – The (NFR) symbol is inserted after any assembly that is not to be field dismantled.

Other Symbols – Any other symbols that are required for kits, accessories, etc., will be explained and appear as part of the item description.

REVISION HISTORY

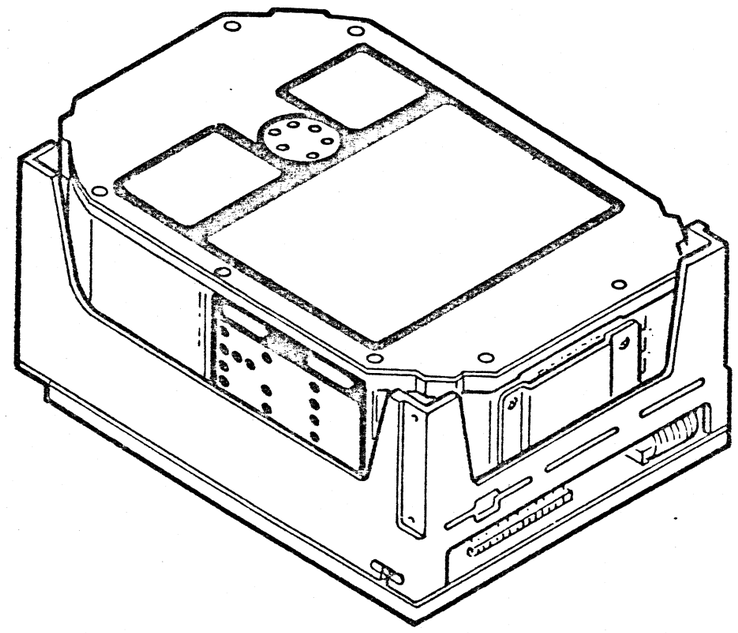
PRINTING	ECO LEVEL	DATE
1st Printing	RD53-A 00000-00000	4-22-85

OTHER IPB MANUALS REQUIRED TO SUPPORT THIS OPTION.....

N/A

PREPARED BOB ASTAPOVICH	DATE 6-7-88	TITLE digital
CHK'D ROY CHRISTENSEN	DATE 6-7-88	ILLUSTRATED BREAKDOWN FOR RD53-A DISK DRIVE
ENGINEERING	DATE 6-7-88	
QA	DATE 6-7-88	
OTHER	DATE 6-7-88	DOCUMENT NUMBER: B IB RD53A-0-0 A

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RD53-00

RD53-A DISK DRIVE

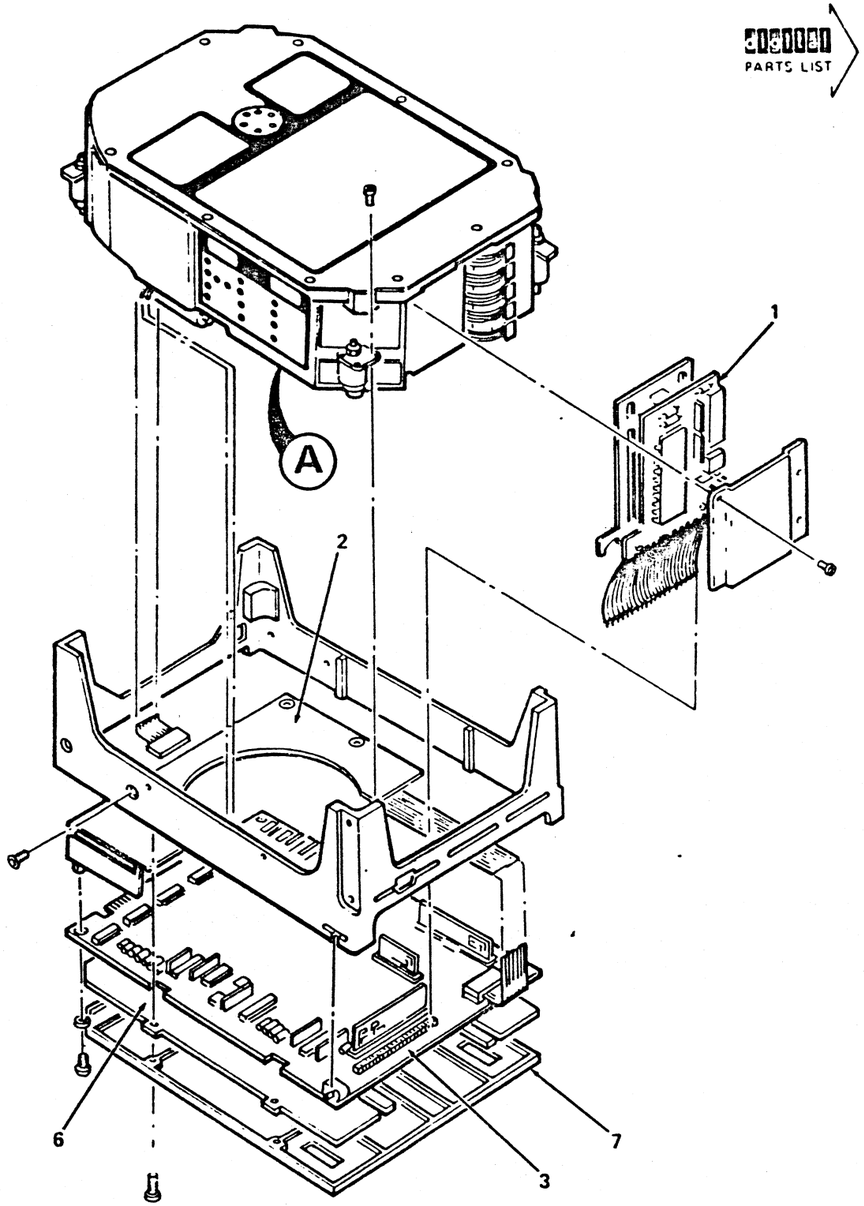
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ECO	PART NUMBER	REV									
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TITLE: ILLUSTRATED BREAKDOWN FOR RD53-A DISK DRIVE		DOCUMENT NUMBER	REV
	SIZE	CODE	
	B	1B	RD53A-0-0	A
	SCALE		SHEET 1 OF 4

RD53A-0-0 A
B 1B
B
A

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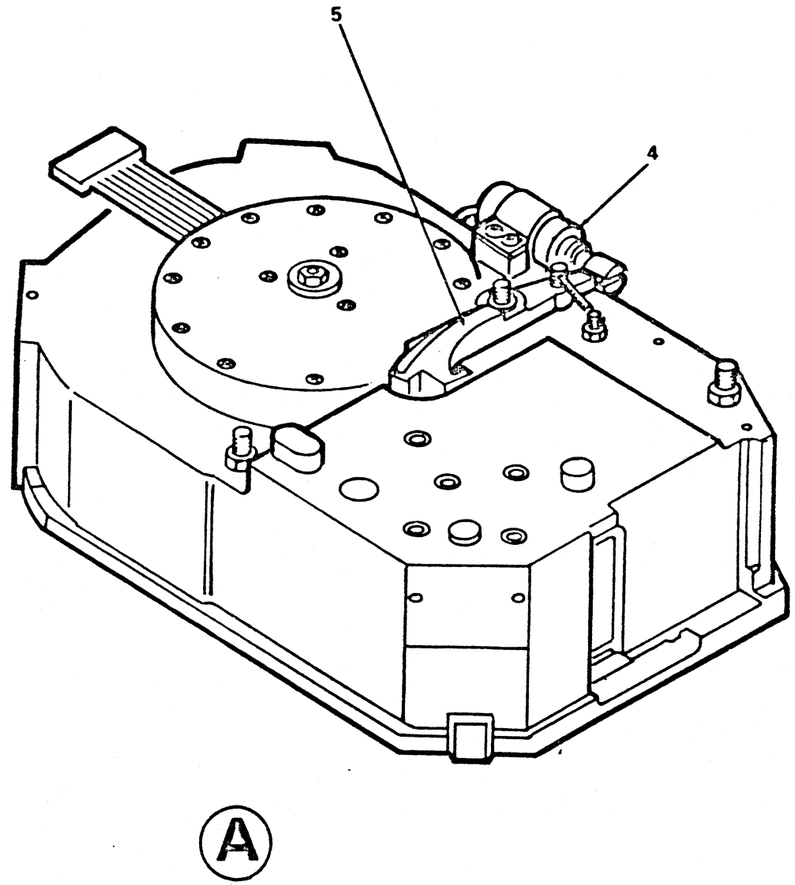
PARTS LIST



RD53-01

Figure 1. RD53-A Disk Drive Assembly (Sheet 1 Of 2)

PARTS LIST



RD53-01A

Figure 1. RD53-A Disk Drive Assembly (Sheet 2 Of 2)

REVISION HISTORY			
DATE	ECO NUMBER	REV	

TITLE	SIZE	CODE	NUMBER	REV
ILLUSTRATED BREAKDOWN FOR RD53-A DISK DRIVE	B	IB	RD53A-0-0	A
	SCALE		SHEET 3 OF 4	

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FIG. & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN RD53-A 00000	USED ON CODE	REF FIG NO.
1–	RD53-A DISK DRIVE (Winchester)	RD53-A			
1	*Preamp PCB	29-25337-00			
2	*Motor Control PCB	29-25338-00			
3	*Device PCB	29-25339-00			
4	*Solenoid	29-25340-00			
5	*Brake Arm Assembly	29-25341-00			
6	*Clip, Ground	74-28201-01			
7	*Plate, Skid	74-25652-01			

REVISION HISTORY

ATT	ECO NUMBER	REV

TITLE: ILLUSTRATED BREAKDOWN FOR RD53-A DISK DRIVE

DOCUMENT NUMBER: SIZE B | CODE 18 | NUMBER RD53A-0-0 | REV A

SCALE

B 18 RD53A-0-0 A

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ILLUSTRATED PARTS BREAKDOWN

RD54-A DISK DRIVE

HOW TO USE THE IPB

GENERAL
This IPB is compiled following the organization and nomenclature of the engineering drawing structure.

MAJOR ASSEMBLY LOCATOR (When Applicable)
The Major Assembly Locator (first illustration) is an index that provides a description and a figure reference for all illustrations used in this manual.

INDENTED PARTS LIST
This manual identifies each assembly being broken down (figure reference callout), and all parts of that assembly. Further breakdown of an assembly is shown by an asterisk (*) preceding the item callouts in the Description Column. The number of asterisks preceding an item is used to denote the subordination of that item with respect to the Major Assembly. A single asterisk preceding an item description indicates that the item is part of the major assembly being illustrated. Items that are subordinate to single asterisks items, are denoted by two asterisks (**) and immediately follow the related single asterisk item. Additional asterisks are used, as required, to denote further subordination. This system of part identification, provides a means for the user to identify the next higher assembly item and make alternate selections for parts when the required replacement part of assembly is not immediately available.

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Figure and Item – Indicates the figure number and item number of each part.

Description – Lists the name of the part, and pertinent specifications (when required). Asterisks preceding the description denote the subordination of the part to the next higher assembly.

DEC Part No. – Lists the Digital part ordering number. A blank in this column indicates a Digital part number was not assigned at the time of publication.

ECO Cut-In – The notation at the top of this column indicates the ECO level of the system (option), at which the IPB was initially prepared. Subsequent ECO level designations, that modify existing parts or add new parts to the device, are inserted in the ECO Cut-In column next to the part that is added or modified.

Used On Code – Letters in this column correspond to the variation codes assigned in Figure 1. Parts with an Alpha notation(s) are used only in those option variations. A blank indicates that the part is used on all option variations.

Ref Fig No. – A cross reference between illustrations. For each Major Assembly, the number in this column denotes the figure of the next higher assembly. For all subassemblies, the number in this column denotes the figure showing additional detailed breakdown.

PART NUMBER/PART DESCRIPTION SORT SECTION
Parts are sorted both numerically and alphabetically by description, referenced to a location within the IPB, by figure number and item number.

REVISION HISTORY

PRINTING	ECO LEVEL	DATE
1st Printing	RD54-A 00000-00000	26-Mar-87

OTHER IPB MANUALS REQUIRED TO SUPPORT THIS OPTION.....

N/A

REVISION HISTORY | REV | ECO NUMBER | DATE

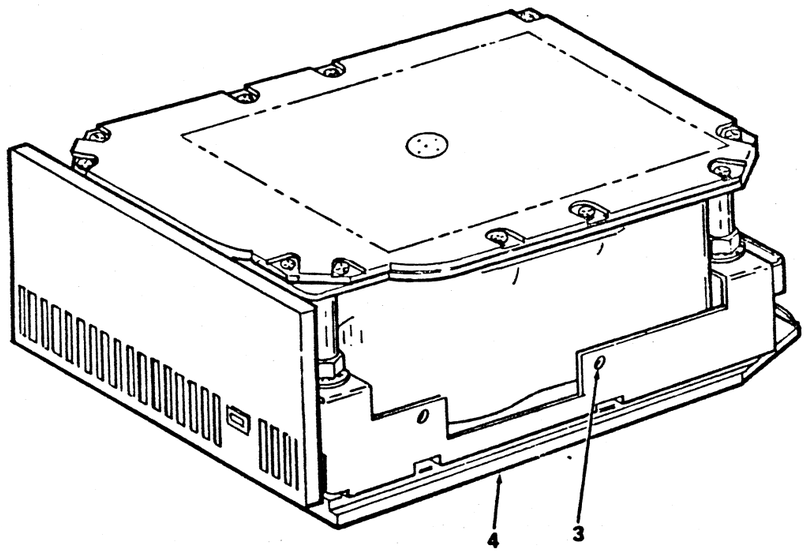
IPB WRITER BOB ASTAPOVER	DATE 6-7-88	TITLE digital
CHKD BY ROY LARSEN	DATE 6-7-88	ILLUSTRATED BREAKDOWN FOR RD54-A DISK DRIVE
ENGINEERING JOE MCMULLIN	DATE 6-7-88	
CSSE JIM HEARING	DATE 6-7-88	DOCUMENT NUMBER
OTHER	DATE 6-7-88	SIZE B | CODE 18 | RD54A-0-0 | REV A
NEXT HIGHER ASSY		SCALE | SHEET 1 OF 3

RD54A-0-0 A B 18

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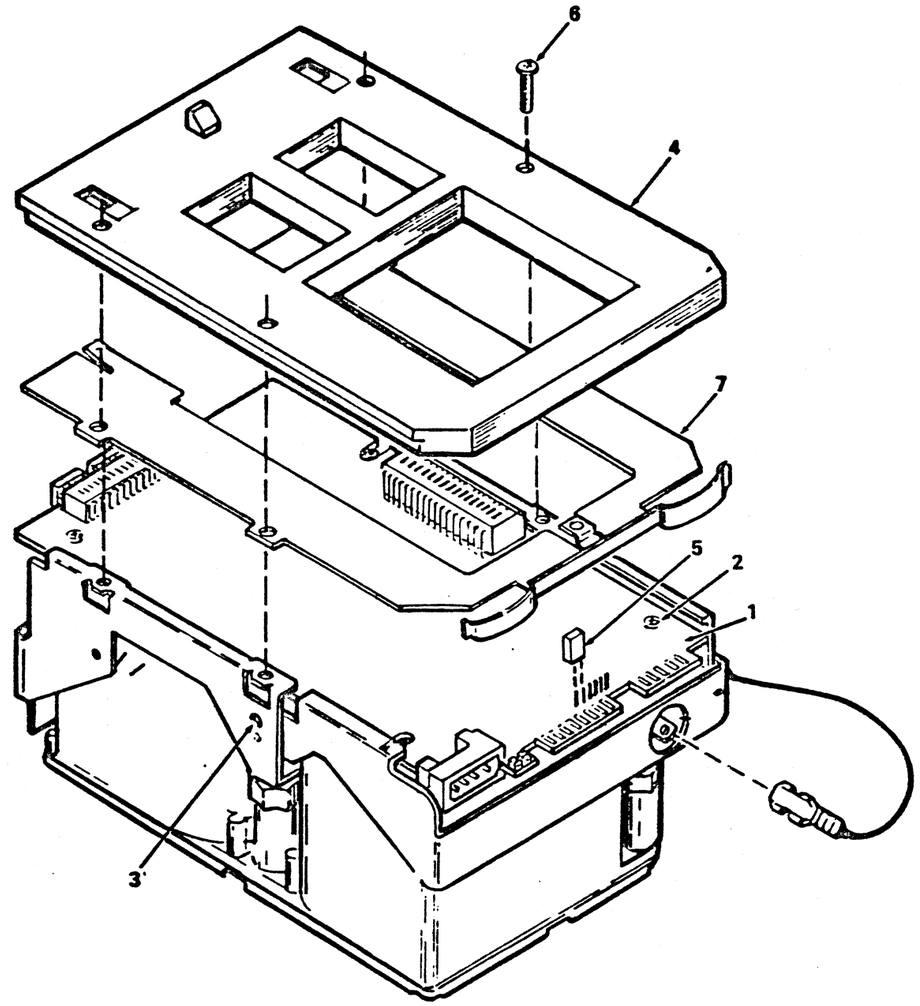
DELETED
PARTS LIST

DELETED
PARTS LIST



RD54-A-01

Figure 1. RD54-A Disk Drive (Sheet 1 of 2)



RD54-A-01A

Figure 1. RD54-A Disk Drive (Sheet 2 of 2)

REVISION HISTORY		
DATE	ECO NUMBER	REV

TITLE: ILLUSTRATED BREAKDOWN FOR RD54-A DISK DRIVE

SIZE	CODE	DOCUMENT NUMBER	REV
B	IB	RD54A-0-0	A

SCALE — SHEET 2 OF 3

8 | 7 | 6 | 5 | 4 | 3 | 2 | 1
A | B | IB | RD54A-0-0

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FIG. & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN RD54-A 00000	USED ON CODE	REF FIG NO.
1–	RD54-A DISK DRIVE	RD54-A			
1	*Device PCB	29-26103-00			
2	*Screw, Sems Pan Hd No. 4-40 x 1/4	90-00049-68			
3	*Screw, Phl Flat Hd No. 4-40 x 3/16	90-09414-02			
4	*Plate, Skid	74-25652-01			
5	*Jumper	12-14314-00			
6	*Screw, Phl Pan Hd No. 6-32 x 5/16	90-06021-01			
7	*Clip, Ground	74-28201-01			

REVISION HISTORY

DATE	ECO NUMBER	REV

TITLE: ILLUSTRATED BREAKDOWN FOR RD54-A DISK DRIVE

DOCUMENT NUMBER: SIZE B | CODE 1B | RD54A-0-0 | REV A

SCALE | SHEET 3 OF 3

RD54A-0-0 B 1B A

ILLUSTRATED PARTS BREAKDOWN

RA70-A
DISK DRIVE ASSEMBLY

HOW TO USE THE IPB

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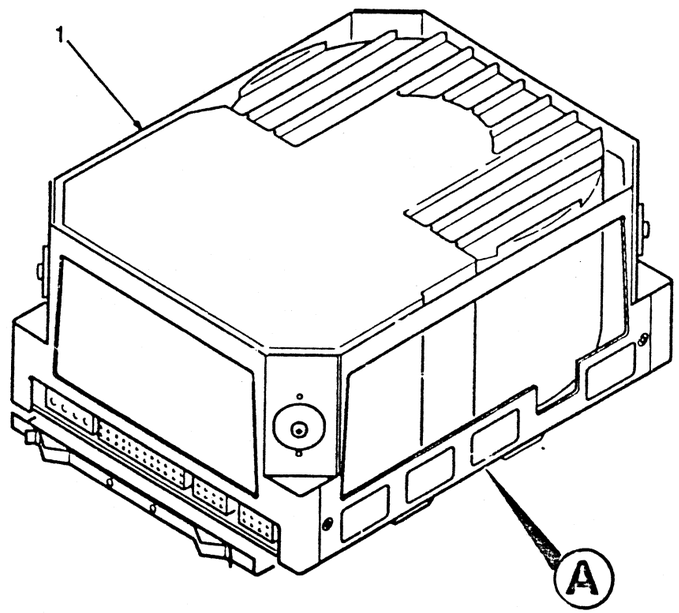
REVISION HISTORY

PRINTING	ECO LEVEL	DATE
1st Printing	70-25688 00002-00002	1-MAR-88

OTHER IPB MANUALS REQUIRFD TO SUPPORT THIS OPTION.....

N/A

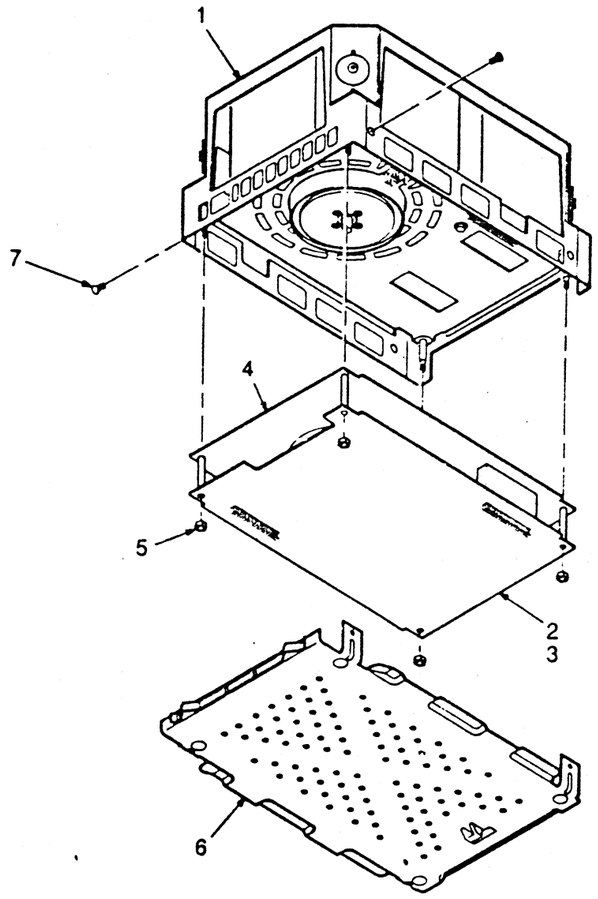
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XRA70-IP-01

Figure 1. Disk Drive Assembly (Sheet 1 of 2)

DIGITAL PARTS LIST



XRA70-IP-01A

Figure 1. Disk Drive Assembly (Sheet 2 of 2)

									ILLUSTRATED BREAKDOWN FOR RA70-A DISK DRIVE	B IB	RA70A-0-0 A
8	7	6	5	4	3	2	1				

B IB RA70A-0-0 A

FIG. & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-25688 00002	USED ON CODE	REF FIG NO.
1–	DISK DRIVE ASSEMBLY (5-1/4)	70-25688-01			
1	*Head/Disk Assembly	70-21946-01			
2	*MODULE ASSEMBLY	70-22494-01			
3	**Module, Servo	54-17773-01			
4	**Module, R/W	54-17775-01			
5	*Nut, Kep No. 4-40	90-06557-00			
6	*Shoe Plate Assembly	70-22474-01			
7	*Screw, Phl Flat Hd No. 6-32 x 5/16	90-06021-02			

TITLE	DWG	REV
ILLUSTRATED BREAKDOWN FOR RA70-A DISK DRIVE	B IB RA70A-0-0	A

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ILLUSTRATED PARTS BREAKDOWN

TK50 TAPE DRIVE

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Other Symbols – Any other symbols that are required for kits, accessories, etc., will be explained and appear as part of the item description.

REVISION HISTORY

PRINTING	ECO LEVEL	DATE
2nd Printing	TK50 00001-00006	12/30/85
	70-21738 TK50 00006	
	70-21085 TK50 00004	
	70-21814 TK50 00004	
	70-21738 00000-00000	
	70-21087 00000-00000	
	70-21086 TK50 00006	
	70-21818 TK50 00006	

OTHER IPB MANUALS REQUIRED TO SUPPORT THIS OPTION.....
N/A

REVISION HISTORY | REV | ECO NUMBER | DATE

DRD 1626

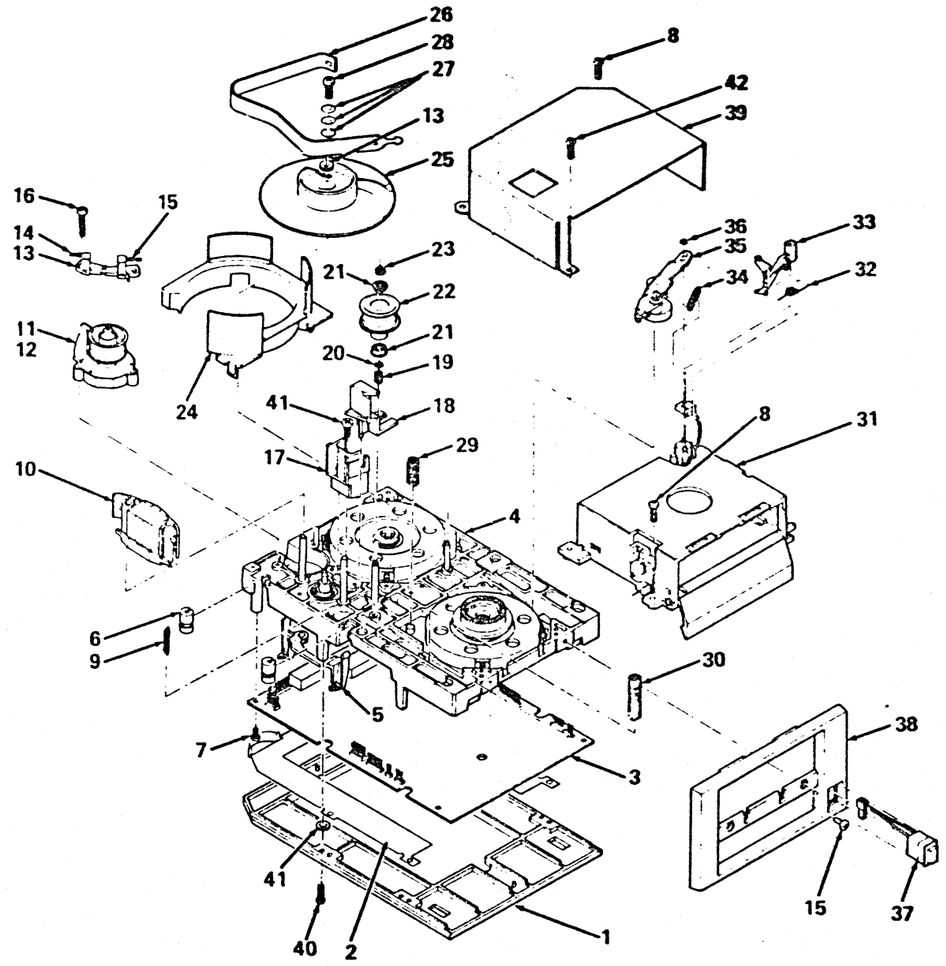
IPB WRITER	BOB ASTAPOVICH	DATE 6-7-88	TITLE: ILLUSTRATED BREAKDOWN FOR TK50 TAPE DRIVE
CHKD	ROY CHRISTENSEN	DATE 6-7-88	
ENGINEERING	JOE MCMULLIN	DATE 6-7-88	
CSSE	JIM LEARNS	DATE 6-7-88	
OTHER		DATE 6-7-88	DOCUMENT NUMBER: B IB TK50-0-0 A

digital

SHEET 1 OF 13

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3 3 (1 of 1) PARTS LIST



TK50-01

FIG. & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN TK50 00001	USED ON CODE	REF FIG NO.
1–	TK50 TAPE DRIVE	TK50-00			
1	*Plate Skid Assembly (deleted)	70-21750-01			
	*Plate, Skid	74-32696-01	00005		
2	*Insulator Assembly	70-21765-01			
3	*TK50 Drive Module	54-15660-00			
4	*MOTOR and BASEPLATE ASSEMBLY	70-21736-01			2
5	*Bracket, Head Spring	74-30728-01			
6	*Strain Relief, Head	74-29585-01			
7	*Screw, Phl Pan Hd Self Tap No. 6-32 x 1/4	90-09905-00			
8	*Screw, Phl Pan Hd Self Tap No. 6-32 x 1/2	90-10089-03			
9	*Spring, Head Bracket Extension	12-22895-01			
10	*Bracket, Head Assembly	70-21142-01			
11	*TACHOMETER ASSEMBLY (deleted)	70-21086-01			6
	*TACHOMETER ASSEMBLY (added)	70-21818-01	00006		6A
12	*Screw, Phl Pan Hd No. 6-32 x 5/8	90-10109-00			
13	*Washer, Flat	12-24692-02			
14	*EOT/BOT LED-Photo Assembly	11-23276-01			
15	*Screw, Sems Phl Pan Hd No. 6-32 x 5/8	90-00049-01			
16	*Screw, Phl Pan Hd No. 6-32 x 5/16	90-00049-57			
17	*External Shield Assembly	70-21141-01			
18	*Guard, Tape (deleted)	74-29297-01			
	*Guard, Tape (added)	74-32344-01	00006		
19	*Spring, Compression (deleted)	12-13656-03			
	*Spring, Compression (added)	12-13656-05	00006		
20	*Retainer, Spring (deleted)	74-30863-01			
	*Washer, Flat (added)	12-24692-03	00003		
21	*Ball Bearing, Flanged	12-22788-01			
22	*Capstan (deleted)	74-27695-01			
	*Capstan, Tachometer (added)	74-32346-01	00006		
23	*Nut, Nylon Self Lock No. 4-40	90-08054-00			
24	*Constraint, Tape	74-29616-01			
25	*Reel, Take-up	74-27668-01			
26	*Leader, Cartridge (Take-up)	74-28268-01			
27	*Washer, Spring	90-10506-01			
28	*Screw, Phl Fillister Hd No. 8-32 x 1/2	90-07641-06			
29	*Spring, Compression	12-12912-01			
30	*Spring, Compression	12-22357-01			
31	*RECEIVER ASSEMBLY (deleted)	70-21085-01			3
	*RECEIVER ASSEMBLY (added)	70-21814-01	00004		3A
32	*Spring, Torsion	12-23742-01			
33	*Link, Buckling	74-30916-01			
34	*Spring, Compression	12-22358-01			

Figure 1. TK50 Tape Drive

REVISION HISTORY		
DATE	ECO NUMBER	REV

TITLE: ILLUSTRATED BREAKDOWN FOR TK50 TAPE DRIVE

DOCUMENT NUMBER: SIZE B | CODE 1B | TK50-0-0 | REV A

SCALE | SHEET 2 OF 13

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FIG. & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN TK50 00001	USED ON CODE	REF FIG NO.
1–					
35	*LEADER LATCH ASSEMBLY	70-21087-01			5
36	*Retaining Ring, External	90-09257-04			
37	*Switch, Push Button	12-21464-08			
38	*Bezel Assembly	70-21812-01			
39	*Enclosure, Partial Weldment (deleted)	70-21762-01			
	*Enclosure (added)	74-32363-01	00005		
40	*Screw, Phl Pan Hd No. 6-32 x 9/16	90-06022-01			
41	*Washer, Internal Tooth Lock No. 6	90-09882-00			
42	*Screw, Sems, External Tooth, Phl Pan Hd No. 6-32 x 1/2 (added)	90-10174-03	00002		
43	*Screw, Self Tap, Phl Pan Hd No. 6-32 x 1/2 (added)	90-00049-36	00002		

REVISION HISTORY

DATE	ECO NUMBER	REV

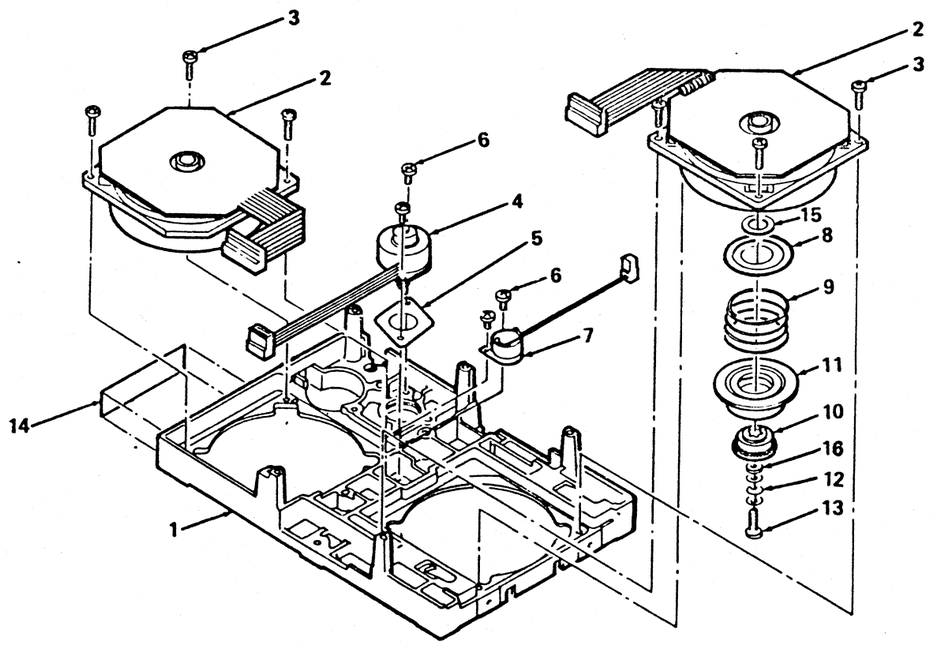
TITLE: ILLUSTRATED BREAKDOWN FOR TK50 TAPE DRIVE

DOCUMENT NUMBER			
SIZE	CODE	NUMBER	REV
B	IB	TK50-0-0	A
SCALE		SHEET 3 OF 13	

TK50-0-0 A B IB

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PARTS LIST



TK50-02

Figure 2. Motor and Baseplate Assembly

FIG. & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-21736 00000	USED ON CODE	REF FIG NO.
2–	MOTOR and BASEPLATE ASSEMBLY	70-21736-01			1
1	*Baseplate Assembly	70-21732-01			
2	*Motor, Brushless	12-22681-01			
3	*Screw, Phl Pan Hd No. 6-32 x 5/16	90-10089-03			
4	*Actuator, Digital Linear	12-21497-01			
5	*Shield, Actuator	74-29607-01			
6	*Screw, Phl Pan Hd No. 6-32 x 7/16	90-09905-01			
7	*Switch, Thermal	12-22958-02			
8	*Plate, Spring	74-31657-01			
9	*Spring, Compression	12-22356-02			
10	*Drive Hub	74-27691-01			
11	*Driver Reel	74-27688-01			
12	*Washer, Spring	90-10506-01			
13	*Screw, Phl Fil Hd No. 8-32 x 1/2	90-07641-06			
14	*Label, "S/N, TK50"	36-19833-02			
15	*Shim, Plastic (deleted)	12-24328-01	TK50 00006		
16	*Washer, Flat	12-24692-02			

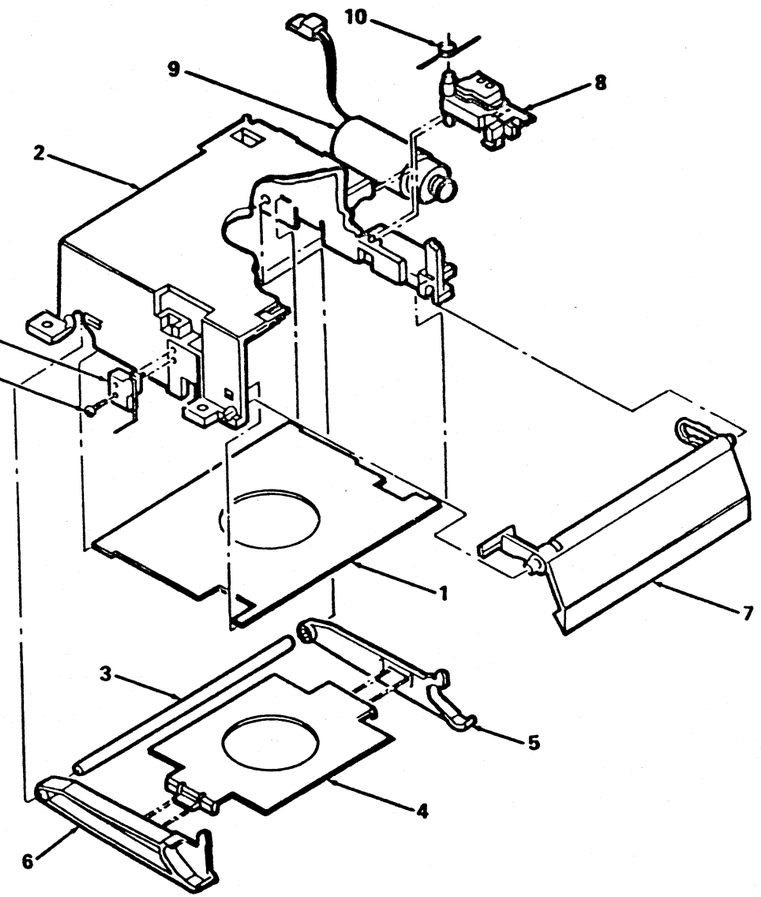
REVISION HISTORY		
DATE	ECO NUMBER	REV

TITLE: ILLUSTRATED BREAKDOWN FOR TK50 TAPE DRIVE

DOCUMENT NUMBER			
SIZE	CODE	NUMBER	REV
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digital
PARTS LIST



TK50-03

FIG. & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-21085 00000	USEC ON CODE	REF FIG NO.
3–	RECEIVER ASSEMBLY (deleted) (See Figure 3A)	70-21085-01	TK50 00004		1
1	*Floor, Receiver	74-29212-01			
2	*Receiver	74-29217-01			
3	*Shaft, Pivot Link	74-29216-01			
4	*Plate, Clutch	74-29211-01			
5	*Link, Right Link	74-29213-01			
6	*Link, Left Link	74-29214-01			
7	*Handle, Engaging	74-27678-01			
8	*INTERPOSER ASSEMBLY	70-21738-01			4
9	*Solenoid, Tubular	12-22089-01			
10	*Spring, Torsion	12-22538-01			
11	*Switch, Micro	12-22274-03			
12	*Screw, Phl Pan Hd No. 2 x 3/8	90-10500-01			

Figure 3. Receiver Assembly

REVISION HISTORY		
DATE	ECO NUMBER	REV

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TITLE: ILLUSTRATED BREAKDOWN FOR TK50 TAPE DRIVE

SIZE	CODE	DOCUMENT NUMBER	REV
B	1B	TK50-0-0	A

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PARTS LIST

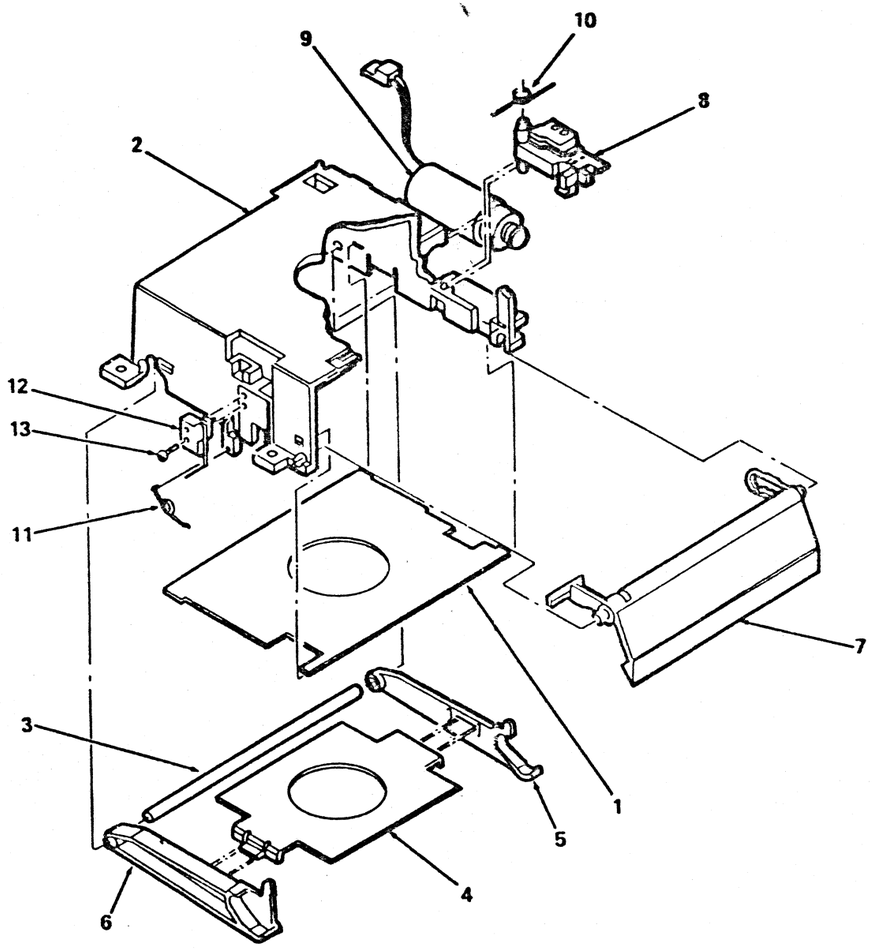


FIG. & ITEM NO.	DESCRIPTION	DEC PART NO. A	ECO CUT-IN TK50 00004	USED ON CODE	REF FIG NO.
3A–	RECEIVER ASSEMBLY (added)	70-21814-01	00004		1
1	*Floor, Receiver	74-29212-01			
2	*Receiver	74-32530-01			
3	*Shaft, Pivot Link	74-29216-01			
4	*Plate, Clutch	74-29211-01			
5	*Link, Right Clutch	74-32532-01			
6	*Link, Left Clutch	74-32531-01			
7	*Handle, Engaging	74-32529-01			
8	*INTERPOSER ASSEMBLY	70-21738-01			4
9	*Solenoid, Tubular, 10.5 VDC	12-22089-01			
10	*Spring, Torsion	12-22538-01			
11	*Spring, Handle Torsion	12-25200-01			
12	*Switch Assembly	12-25332-02			
13	*Screw, Phl Pan Hd No. 2-56 x 3/8	90-10500-01			

Figure 3A. Receiver Assembly

REVISION HISTORY		
DATE	ECO NUMBER	REV

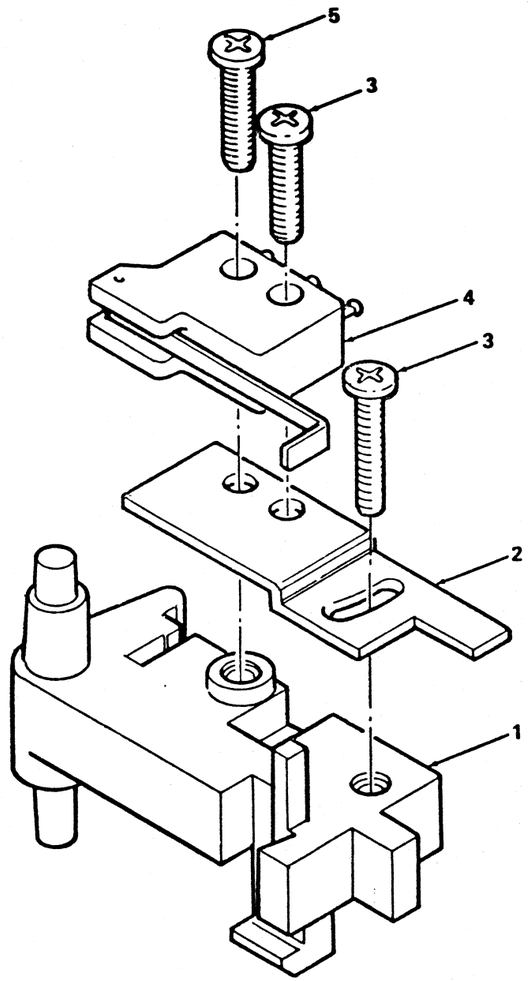
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TITLE: ILLUSTRATED BREAKDOWN FOR TK50 TAPE DRIVE

SIZE	CODE	DOCUMENT NUMBER	REV
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PARTS LIST

FIG. & ITEM NO.	DESCRIPTION	DEC PART NO. A	ECO CUT-IN 70-21738 00000	USED ON CODE	REF FIG NO.
4–	INTERPOSER ASSEMBLY	70-21738-01			3,3A
1	*Interposer	74-29215-01			
2	*Mount, Switch	74-29218-01			
3	*Screw, Phl Pan Hd No. 2-56 x 1/4	90-06004-01			
4	*Switch, Micro	12-22274-04			
5	*Screw, Phl Pan Hd No. 2-56 x 3/8	90-10500-01			

TK50-04

Figure 4. Interposer Assembly

REVISION HISTORY		
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SIZE B | CODE 18 | TK50-0-0 | REV A

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PARTS LIST

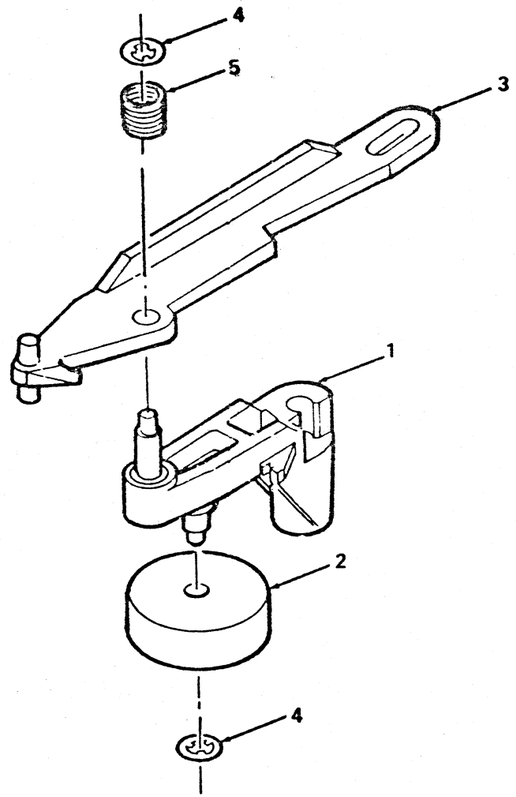


FIG. & ITEM NO.	DESCRIPTION	DEC PART NO. A	ECO CUT-IN 70-21087 00000	USED ON CODE	REF FIG NO.
5–	LEADER LATCH ASSEMBLY	70-21087-01			1
1	*Driver, Link	74-27835-01			
2	*Roller, Link	74-27836-01			
3	*Arm, Buckling	74-29223-01			
4	*Retaining Ring	90-09257-04			
5	*Spring, Compression	12-19097-01			

TK50-05

Figure 5. Leader Latch Assembly

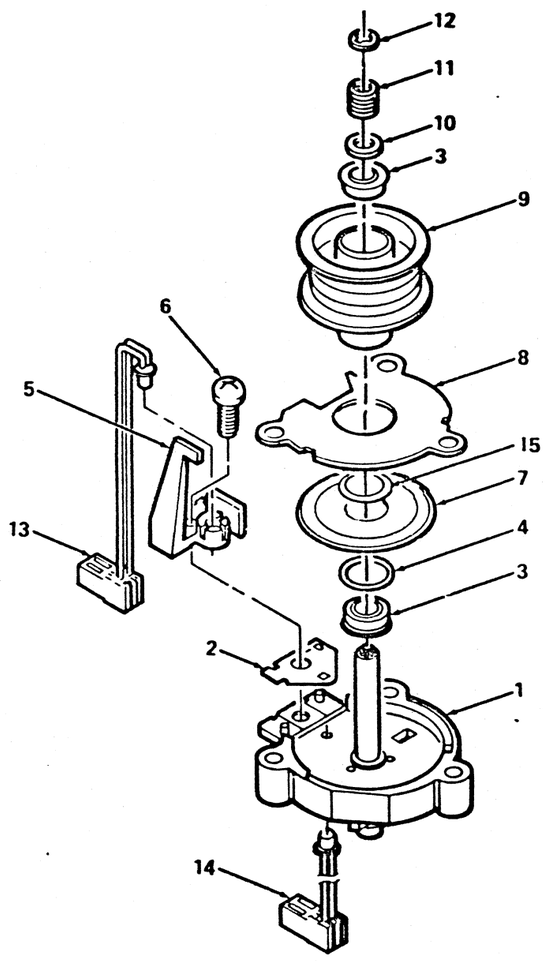
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digital PARTS LIST



TK50-06

FIG. & ITEM NO.	DESCRIPTION	DEC PART NO. [8]	ECO CUT-IN 70-21086 00001	USED ON CODE	REF FIG NO.
6–	TACHOMETER ASSEMBLY (deleted) (See Figure 6A)	70-21086-01	TK50 00006		1
1	*Body, Tachometer	74-29219-01			
2	*Mask, Encoder	74-29220-01			
3	*Bearing, Flanged Ball	12-22788-01			
4	*Washer, Flat Tachometer	90-10499-01			
5	*Guide, Tachometer	74-29222-01			
6	*Screw, Self Tap Phl Pan Hd No. 6 x 1/2	90-09800-00			
7	*Disk, Tachometer Encoder	74-27698-01			
8	*Plate, Tachometer	74-29221-01			
9	*Capstan	74-27695-01			
10	*Retainer, Spring (deleted)	74-30863-01	TK50		
	*Washer, Flat (added)	12-24692-03	00003		
11	*Spring, Compression	12-13656-04			
12	*Retaining Ring	90-09257-04			
13	*I.R. LED w/Cable	11-23634-02			
14	*Phototransistor w/Cable	15-23633-02			
15	*Shim, Plastic	12-24328-02			

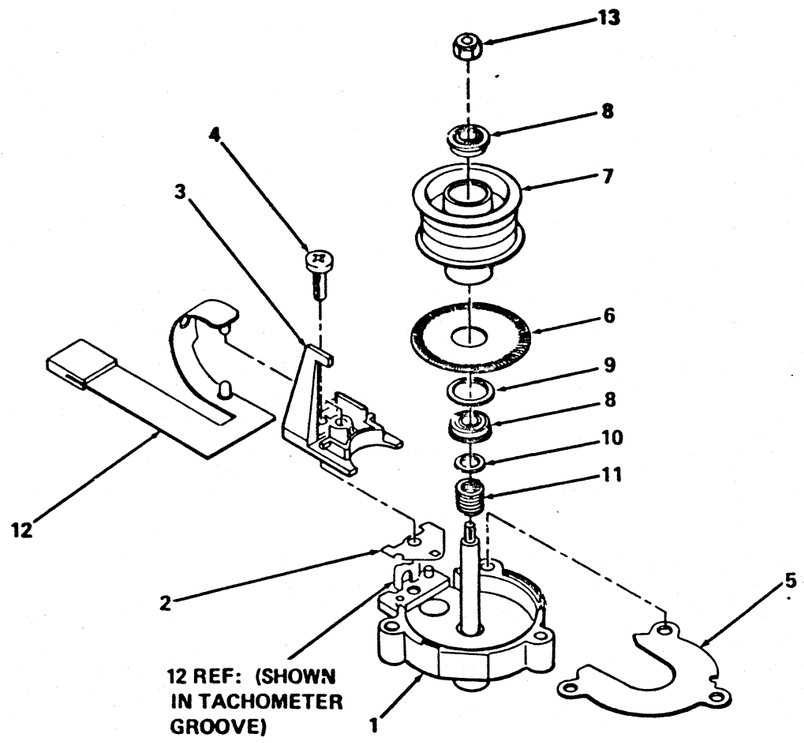
Figure 6. Tachometer Assembly

REVISION HISTORY		
DATE	ECO NUMBER	REV

TITLE	SIZE	CODE	DOCUMENT NUMBER	REV
ILLUSTRATED BREAKDOWN FOR TK50 TAPE DRIVE	B	IB	TK50-0-0	A
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PARTS LIST

FIG. & ITEM NO.	DESCRIPTION	DEC PART NO. A	ECO CUT-IN 70-21818 00000	USED ON CODE	REF FIG NO.
6A–	TACHOMETER ASSEMBLY (added)	70-21818-01	TK50 00006		1
1	*Body, Tachometer	74-32341-01			
2	*Mask, Encoder	74-29220-01			
3	*Guide, Tachometer	74-32343-01			
4	*Screw, Self Tap Phl Pan Hd No. 6 x 1/2	90-09800-00			
5	*Plate, Tachometer Cover	74-32342-01			
6	*Disk, Encoder	74-31488-02			
7	*Capstan, Tachometer	74-32346-01			
8	*Bearing, Flanged Ball	12-22788-01			
9	*Ring, Capstan Support	74-31389-01			
10	*Retainer, Spring	74-30863-01			
11	*Spring, Compression	12-13656-05			
12	*Flex Circuit Assembly	17-01088-01			
13	*Nut, Kep, Self Locking, No. 4-40 x 1/4	90-08054-00			

Figure 6A. Tachometer Assembly

REVISION HISTORY

DATE	ECO NUMBER	REV

TITLE: ILLUSTRATED BREAKDOWN FOR TK50 TAPE DRIVE

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PART NUMBER/DESCRIPTION SORT

TK50 SORTED BY PART NUMBER

PART NO.	DESCRIPTION	FIG. NO.	ITEM
11-23276-01	EOT/BOT LED-Photo Assembly	1	14
11-23634-02	I.R. LED w/Cable	6	13
12-12912-01	Spring, Compression	1	29
12-13656-03	Spring, Compression	1	19
12-13656-04	Spring, Compression	6	11
12-19097-01	Spring, Compression	5	5
12-21464-08	Switch, Push Button	1	37
12-21497-01	Actuator, Digital Linear	2	4
12-22089-01	Solenoid, Tubular	3	9
12-22274-03	Switch, Micro	3	11
12-22274-04	Switch, Micro	4	4
12-22356-02	Spring, Compression	2	9
12-22357-01	Spring, Compression	1	30
12-22358-01	Spring, Compression	1	34
12-22538-01	Spring, Torsion	3	10
12-22681-01	Motor, Brushless	2	2
12-22788-01	Ball Bearing, Flanged	1	21
12-22788-01	Bearing, Flanged Ball	6	3
12-22895-01	Spring, Head Bracket Extension	1	9
12-22958-02	Switch, Thermal	2	7
12-23742-01	Spring, Torsion	1	32
12-24328-01	Shim, Plastic	2	15
12-24328-02	Shim, Plastic	6	15
12-24692-02	Washer, Flat	2	15
12-24692-02	Washer, Flat	1	13
15-23633-02	Phototransistor w/Cable	6	14
36-19833-02	Label, "S/N, TK50"	2	14
54-15660-00	TK50 Drive Module	1	3
70-21085-01	RECEIVER ASSEMBLY	3	0
70-21085-01	RECEIVER ASSEMBLY	1	31
70-21086	TACHOMETER ASSEMBLY	6	0
70-21086-01	TACHOMETER ASSEMBLY	1	11
70-21087-01	LEADER LATCH ASSEMBLY	1	35
70-21087-01	LEADER LATCH ASSEMBLY	5	0
70-21141-01	External Shield Assembly	1	17
70-21142-01	Bracket, Head Assembly	1	10
70-21732-01	Baseplate Assembly	2	1
70-21736-01	MOTOR and BASEPLATE ASSEMBLY	2	0
70-21736-01	MOTOR and BASEPLATE ASSEMBLY	1	4
70-21738-01	INTERPOSER ASSEMBLY	3	8
70-21738-01	INTERPOSER ASSEMBLY	4	0
70-21750-01	Plate Skid Assembly	1	1
70-21762-01	Enclosure, Partial Weldment	1	39
70-21764-01	Bezel Assembly	1	38
70-21765-01	Insulator Assembly	1	2
74-27668-01	Reel, Take-up	1	25
74-27678-01	Handle, Engaging	3	7
74-27688-01	Driver Reel	2	11

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DATE	ECO NUMBER	REV

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DOCUMENT NUMBER: TK50-0-0 | SIZE: B | CODE: IB | REV: A

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TK50 SORTED BY PART NUMBER

PART NO.	DESCRIPTION	FIG. NO.	ITEM
74-27691-01	Drive Hub	2	10
74-27695-01	Capstan	1	22
74-27695-01	Capstan	6	9
74-27698-01	Disk, Tachometer Encoder	6	7
74-27835-01	Driver, Link	5	1
74-27836-01	Roller, Link	5	2
74-28286-01	Leader, Cartridge (Take-up)	1	26
74-29211-01	Plate, Clutch	3	4
74-29212-01	Floor, Receiver	3	1
74-29213-01	Link, Right Link	3	5
74-29214-01	Link, Left Link	3	6
74-29215-01	Interposer	4	1
74-29216-01	Shaft, Pivot Link	3	3
74-29217-01	Receiver	3	2
74-29218-01	Mount, Switch	4	2
74-29219-01	Body, Tachometer	5	1
74-29220-01	Mask, Encoder	6	2
74-29221-01	Plate, Tachometer	6	8
74-29222-01	Guide, Tachometer	6	5
74-29223-01	Arm, Buckling	5	3
74-29297-01	Guard, Tape	1	18
74-29585-01	Strain Relief, Head	1	6
74-29607-01	Shield, Actuator	2	5
74-29616-01	Constraint, Tape	1	24
74-30728-01	Bracket, Head Spring	1	5
74-30863-01	Retainer, Spring	6	10
74-30863-01	Retainer, Spring	1	20
74-30916-01	Link, Buckling	1	33
74-31657-01	Plate, Spring	2	8
90-00049-01	Screw, Sems Phl Pan Hd No. 6-32 x 5/8	1	15
90-00049-57	Screw, Phl Pan Hd No. 6-32 x 5/16	1	16
90-06004-01	Screw, Phl Pan Hd No. 2-56 x 1/4	4	3
90-06022-01	Screw, Phl Pan Hd No. 6-32 x 9/16	1	40
90-07641-06	Screw, Fillister Hd No. 8-32 x 1/2	2	13
90-07641-06	Screw, Fillister Hd No. 8-32 x 1/2	1	28
90-08054-00	Nut, Nylon Self Lock No. 4-40	1	23
90-09257-04	Retaining Ring, External	1	36
90-09257-04	Retaining Ring	6	12
90-09257-04	Retaining Ring	5	4
90-09800-00	Screw, Self Tap No. 6 x 3/8	6	6
90-09882-00	Washer, Internal Tooth Lock No. 6	1	41
90-09905-00	Screw, Phl Pan Hd Self Tap No. 6-32 x 1/4	1	7
90-09905-01	Screw, Phl Pan Hd No. 6-32 x 7/16	2	6
90-10089-03	Screw, Phl Pan Hd Self Tap No. 6-32 x 1/2	1	8
90-10089-03	Screw, Phl Pan Hd No. 6-32 x 5/16	2	3
90-10109-00	Screw, Phl Pan Hd No. 6-32 x 5/8	1	12
90-10499-01	Washer, Flat Tachometer	6	4
90-10500-01	Screw, Phl Pan Hd No. 2-56 x 3/8	3	12
90-10500-01	Screw, Phl Pan Hd No. 2-56 x 3/8	4	5
90-10506-01	Washer, Spring	1	27
90-10506-01	Washer, Spring	2	12
TK50-00	TK50 TAPE DRIVE	1	0

TK50 SORTED BY DESCRIPTION

DESCRIPTION	PART NO.	FIG. NO.	ITEM
Actuator, Digital Linear	12-21497-01	2	4
Arm, Buckling	74-29223-01	5	3
Ball Bearing, Flanged	12-22788-01	1	21
Baseplate Assembly	70-21732-01	2	1
Bearing, Flanged Ball	12-22788-01	6	3
Bezel Assembly	70-21768-01	1	38
Body, Tachometer	74-29219-01	6	1
Bracket, Head Assembly	70-21142-01	1	10
Bracket, Head Spring	74-30728-01	1	5
Capstan	74-27695-01	1	22
Capstan	74-27695-01	6	9
Constraint, Tape	74-29616-01	1	24
Disk, Tachometer Encoder	74-27698-01	6	7
Drive Hub	74-27691-01	2	10
Driver Reel	74-27688-01	2	11
Driver, Link	74-27835-01	5	1
Enclosure, Partial Weldment	70-21762-01	1	39
EOT/BOT LED-Photo Assembly	11-23276-01	1	14
External Shield Assembly	70-21141-01	1	17
Floor, Receiver	74-29212-01	3	1
Guard, Tape	74-29297-01	1	18
Guide, Tachometer	74-29222-01	6	5
Handle, Engaging	74-27678-01	3	7
I.R. LED w/Cable	11-23634-02	6	13
Insulator Assembly	70-21765-01	1	2
Interposer	74-29215-01	4	1
INTERPOSER ASSEMBLY	70-21738-01	4	0
INTERPOSER ASSEMBLY	70-21738-01	3	8
Label, "S/N, TK50"	36-19833-02	2	14
LEADER LATCH ASSEMBLY	70-21087-01	5	0
LEADER LATCH ASSEMBLY	70-21087-01	1	35
Leader, Cartridge (Take-up)	74-28286-01	1	26
Link, Buckling	74-30916-01	1	33
Link, Left Link	74-29214-01	3	6
Link, Right Link	74-29213-01	3	5
Mask, Encoder	74-29220-01	6	2
MOTOR and BASEPLATE ASSEMBLY	70-21736-01	1	4
MOTOR and BASEPLATE ASSEMBLY	70-21736-01	2	0
Motor, Brushless	12-22681-01	2	2
Mount, Switch	74-29218-01	4	2
Nut, Nylon Self Lock No. 4-40	90-08054-00	1	23

REVISION HISTORY

DATE	ECO NUMBER	REV

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TITLE: ILLUSTRATED BREAKDOWN FOR TK50 TAPE DRIVE

DOCUMENT NUMBER: SIZE B | CODE IB | NUMBER TK50-0-0 | REV A

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TK50 SORTED BY DESCRIPTION

DESCRIPTION	PART NO.	FIG. NO.	ITEM
Phototransistor w/Cable	15-23633-02	6	14
Plate Skid Assembly	70-21750-01	1	1
Plate, Clutch	74-29211-01	3	4
Plate, Spring	74-31657-01	2	8
Plate, Tachometer	74-29221-01	6	8
Receiver	74-29217-01	3	2
RECEIVER ASSEMBLY	70-21085-01	3	0
RECEIVER ASSEMBLY	70-21085-01	1	31
Reel, Take-up	74-27668-01	1	25
Retainer, Spring	74-30863-01	1	20
Retainer, Spring	74-30863-01	6	10
Retaining Ring	90-09257-04	5	4
Retaining Ring	90-09257-04	6	12
Retaining Ring, External	90-09257-04	1	36
Roller, Link	74-27836-01	5	2
Screw, Fillister Hd No. 8-32 x 1/2	90-07641-06	1	28
Screw, Fillister Hd No. 8-32 x 1/2	90-07641-06	2	13
Screw, Phl Pan Hd No. 2-56 x 1/4	90-06004-01	4	3
Screw, Phl Pan Hd No. 2-56 x 3/8	90-10500-01	4	5
Screw, Phl Pan Hd No. 2-56 x 3/8	90-10500-01	3	12
Screw, Phl Pan Hd No. 6-32 x 5/16	90-10089-03	2	3
Screw, Phl Pan Hd No. 6-32 x 5/16	90-00049-57	1	16
Screw, Phl Pan Hd No. 6-32 x 5/8	90-10109-00	1	12
Screw, Phl Pan Hd No. 6-32 x 7/16	90-09905-01	2	6
Screw, Phl Pan Hd No. 6-32 x 9/16	90-06022-01	1	40
Screw, Phl Pan Hd Self Tap No. 6-32 x 1/2	90-10089-03	1	8
Screw, Phl Pan Hd Self Tap No. 6-32 x 1/4	90-09905-00	1	7
Screw, Self Tap No. 6 x 3/8	90-09800-00	6	6
Screw, Sems Phl Pan Hd No. 6-32 x 5/8	90-00049-01	1	15
Shaft, Pivot Link	74-29216-01	3	3
Shield, Actuator	74-29607-01	2	5
Shim, Plastic	12-24323-02	6	15
Shim, Plastic	12-24328-01	2	15
Solenoid, Tubular	12-22089-01	3	9
Spring, Compression	12-22356-02	2	9
Spring, Compression	12-13656-03	1	19
Spring, Compression	12-22357-01	1	30
Spring, Compression	12-13656-04	6	11
Spring, Compression	12-19097-01	5	5
Spring, Compression	12-22358-01	1	34
Spring, Compression	12-12912-01	1	29
Spring, Head Bracket Extension	12-22895-01	1	9
Spring, Torsion	12-22538-01	3	10
Spring, Torsion	12-23742-01	1	32
Strain Relief, Head	74-29585-01	1	6
Switch, Micro	12-22274-03	3	11
Switch, Micro	12-22274-04	4	4
Switch, Push Button	12-21464-08	1	37
Switch, Thermal	12-22958-02	2	7

TK50 SORTED BY DESCRIPTION

DESCRIPTION	PART NO.	FIG. NO.	ITEM
TACHOMETER ASSEMBLY	70-21086-01	1	11
TACHOMETER ASSEMBLY	70-21086	6	0
TK50 Drive Module	54-15660-00	1	3
TK50 TAPE DRIVE	TK50-00	1	0
Washer, Flat	12-24692-02	1	13
Washer, Flat	12-24692-02	2	16
Washer, Flat Tachometer	90-10499-01	6	4
Washer, Internal Tooth Lock No. 6	90-09382-00	1	41
Washer, Spring	90-10506-01	1	27
Washer, Spring	90-10506-01	2	12

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ILLUSTRATED PARTS BREAKDOWN

TK70 TAPE DRIVE

HOW TO USE THE IPB

GENERAL
This IPB is compiled following the organization and nomenclature of the engineering drawing structure.

MAJOR ASSEMBLY LOCATOR (When Applicable)
The Major Assembly Locator (first illustration) is an index that provides a description and a figure reference for all illustrations used in this manual.

INDENTED PARTS LIST
This manual identifies each assembly being broken down (figure reference callout), and all parts of that assembly. Further breakdown of an assembly is shown by an asterisk (*) preceding the item callouts in the Description Column. The number of asterisks preceding an item is used to denote the subordination of that item with respect to the Major Assembly. A single asterisk preceding an item description indicates that the item is part of the major assembly being illustrated. Items that are subordinate to single asterisks items, are denoted by two asterisks (**) and immediately follow the related single asterisk item. Additional asterisks are used, as required, to denote further subordination. This system of part identification provides a means for the user to identify the next higher assembly item and make alternate selections for parts when the required replacement part of assembly is not immediately available.

COLUMN CALLOUT DESCRIPTION
Figure and Item – Indicates the figure number and item number of each part.

Description – Lists the name of the part and pertinent specifications (when required). Asterisks preceding the description denote the subordination of the part to the next higher assembly.

DEC Part No. – Lists the Digital part ordering number. A blank in this column indicates a Digital part number was not assigned at the time of publication.

ECO Cut-In – The notation at the top of this column indicates the ECO level of the system (option), at which the IPB was initially prepared. Subsequent ECO level designations, that modify existing parts or add new parts to the device, are inserted in the ECO Cut-In column next to the part that is added or modified.

Used On Code – Letters in this column correspond to the variation codes assigned in Figure 1. Parts with an Alpha notation(s) are used only in those option variations. A blank indicates that the part is used on all option variations.

Ref Fig No. – A cross reference between illustrations. For each Major Assembly, the number in this column denotes the figure of the next higher assembly. For all subassemblies, the number in this column denotes the figure showing additional detailed breakdown.

PART NUMBER/PART DESCRIPTION SORT SECTION
Parts are sorted both numerically and alphabetically by description, referenced to a location within the IPB, by figure number and item number.

REVISION HISTORY

PRINTING	ECO LEVEL		DATE	OTHER IPB MANUALS REQUIRED TO SUPPORT THIS OPTION.....
1st Printing	TK70	00000-00000	1-OCT-87	N/A
	70-21736	00003-00003		
	70-23497	00000-00000		
	70-21738	00001-00001		
	70-23517	00000-00000		
	70-24659	00000-00000		

PROJECT MANAGER	BOB ASTARDOVEN	6-7-88
CHIEF ENGINEER	ROY CHILTON MAN	6-7-88
ENGINEERING	JOE MCMULLEN	6-7-88
CSSE	JIM KEARNS	6-7-88
ITPMG		6-7-88

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ILLUSTRATED BREAKDOWN FOR TK70A TAPE DRIVE
DOCUMENT NUMBER: B | IB | TK70A-0-0 | A
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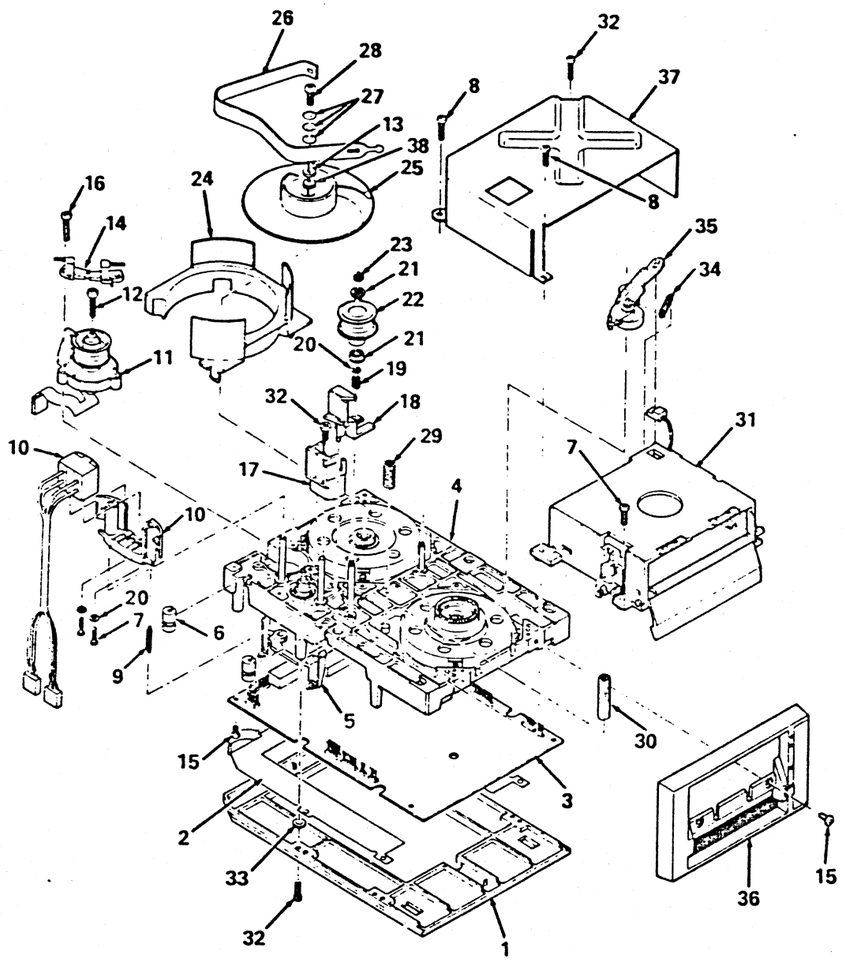
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PARTS LIST



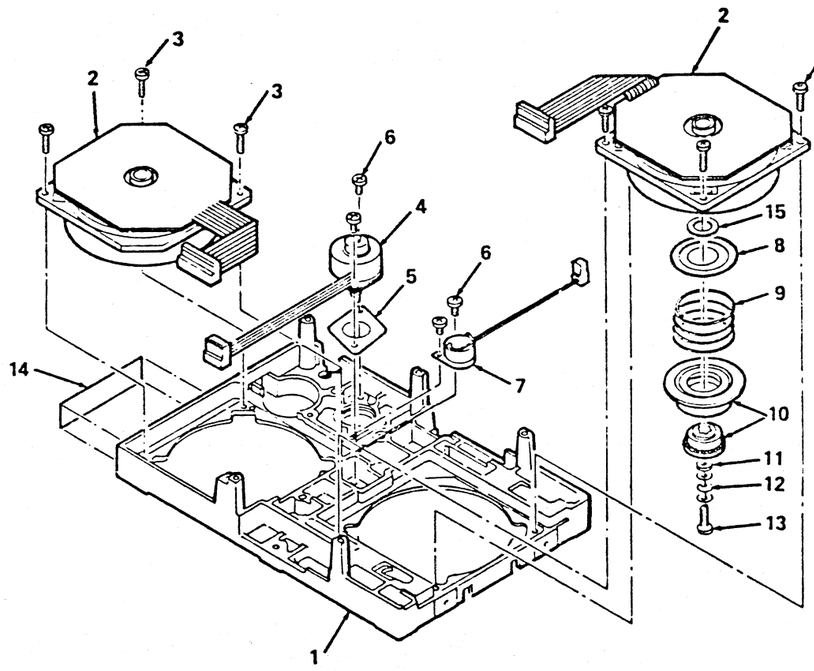
TK70-01

Figure 1. TK70 Tape Drive

FIG. & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN TK70 00000	USED ON CODE	REF FIG NO.
1–	TK70 TAPE DRIVE W/SKID PLATE	TK70-01		A	
	TK70 TAPE DRIVE W/O SKID PLATE	TK70-02		B	
1	*Plate, Skid	74-25652-01		A	
2	*Insulator Assembly	70-21765-01		A	
3	*Module, TK70 Drive	54-17637-01			
4	*MOTOR AND BASEPLATE ASSEMBLY	70-21736-01			2
5	*Bracket, Head Spring	74-30728-01			
6	*Strain Relief, Head	74-29585-01			
7	*Screw, Sems Phl Pan Hd No. 6-32 x 1/2	90-10174-03			
8	*Screw, Phl Self-Tap No. 6-32 x 1/2	90-00049-36			
9	*Spring, Head Bracket	12-22895-01			
10	*Head, Recording	70-23482-01			
11	*TACHOMETER ASSEMBLY	70-24659-01			6
12	*Screw, Phl Pan Hd No. 6-32 x 5/8	90-10109-00			
13	*Retainer, Damper	74-35724-01			
14	*EOT/BOT LED-Photo Assembly	11-23276-01			
15	*Screw, Sems Phl Pan Hd No. 6-32 x 5/8	90-10717-01			
16	*Screw, Phl Pan Hd No. 6-32 x 5.16	90-00049-58			
17	*Shield Assembly, External	70-21141-01			
18	*Guard, Tape	12-13656-01			
19	*Spring, Compression	12-13656-05			
20	*Washer, Flat	12-24692-03			
21	*Ball Bearing, Flanged	12-22788-01			
22	*Capstan, Tachometer	74-34038-01			
23	*Nut, Nylon Self-Lock No. 4-40	90-08054-00			
24	*Constraint, Tape	74-29616-01			
25	*Reel, Take-up	74-27668-01			
26	*Leader, Cartridge (Take-up)	74-28286-01			
27	*Washer, Spring	90-10506-01			
28	*Screw, Phl Fill Hd No. 8-32 x 1-1/2	90-00038-21			
29	*Spring, Compression	12-12912-01			
30	*Spring, Compression	12-22357-01			
31	*RECEIVER ASSEMBLY	70-23497-01			3
32	*Screw, Phl Pan Hd No. 6-32 x 9/16	90-06022-01		A	
33	*Washer, Internal Tooth Lock No. 6	90-09882-00		A	
34	*Spring, Compression	12-22358-01			
35	*Latch Leader Assembly	70-23544-01			
36	*BEZEL ASSEMBLY	70-23517-01			5
37	*Enclosure	74-32363-01			
38	*Damper, Vibration	74-35725-01			

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PARTS LIST



TK70-02

Figure 2. Motor and Baseplate Assembly

FIG. & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-21736 00003	USED ON CODE	REF FIG NO.
2–	MOTOR and BASEPLATE ASSEMBLY	70-21736-01			1
1	*Baseplate Assembly	70-21732-01			
2	*Motor, Brushless	12-22681-01			
3	*Screw, Phl Pan Hd No. 6-32 x 5/16	90-10089-03			
4	*Actuator, Digital Linear	12-21497-02			
5	*Shield, Actuator	74-29607-02			
6	*Screw, Phl Pan Hd No. 6-32 x 7/16	90-10717-01			
7	*Switch, Thermal	12-22958-02			
8	*Plate, Spring	74-31657-01			
9	*Spring, Compression	12-22356-01			
10	*Reel Driver Assembly	70-23477-01			
11	*Washer, Flat	12-24692-02			
12	*Washer, Spring	90-10506-01			
13	*Screw, Phl Fil Hd No. 8-32 x 1/2	90-06039-01			
14	*Label, "S/N, TK70"	36-19833-03			
15	*Shim, Plastic	12-24328-01			

REVISION HISTORY

DATE	ECO NUMBER	REV

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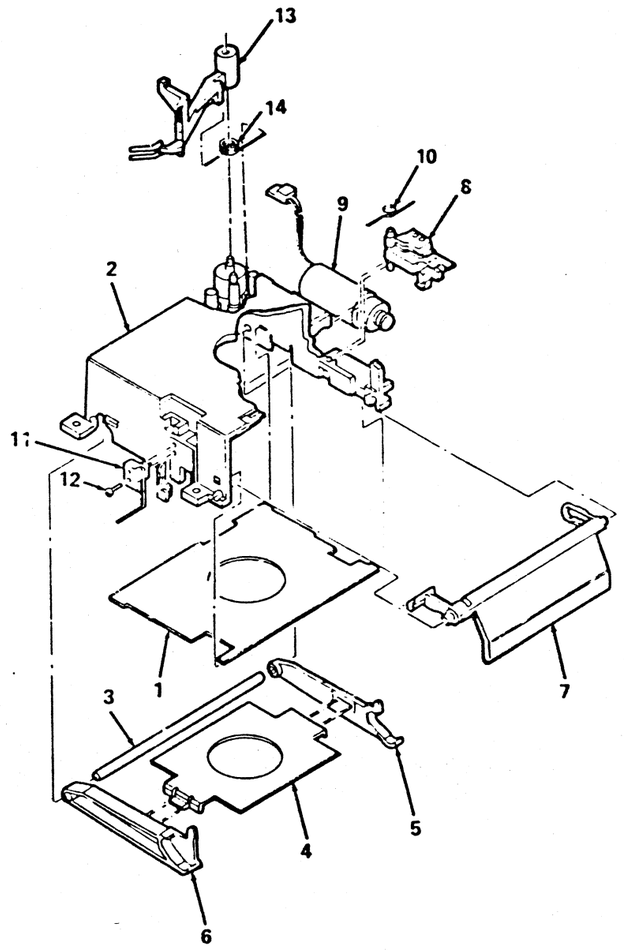
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TK70-03

Figure 3. Receiver Assembly

FIG. & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-23497 00000	USED ON CODE	REF FIG NO.
3–	RECEIVER ASSEMBLY	70-23497-01			1
1	*Floor, Receiver	74-29212-01			
2	*Receiver	74-32530-01			
3	*Shaft, Pivot Link	74-29216-01			
4	*Plate, Clutch	74-29213-01			
5	*Link, Right Clutch	74-29213-01			
6	*Link, Left Clutch	74-29214-01			
7	*Handle, Engaging	70-24656-01			
8	*INTERPOSER ASSEMBLY	70-21738-01			4
9	*Solenoid, Tubular (10.5 Vdc)	12-22089-01			
10	*Spring, Torsion	12-22538-01			
11	*Switch Assembly (No Snap Action)	12-25332-02			
12	*Screw, Phl Pan Hd No. 2-56 x 3/8	90-10500-01			
13	*Link, Buckling	74-34496-01			
14	*Spring, Torsion	12-23742-01			

REVISION HISTORY

DATE	ECO NUMBER	REV

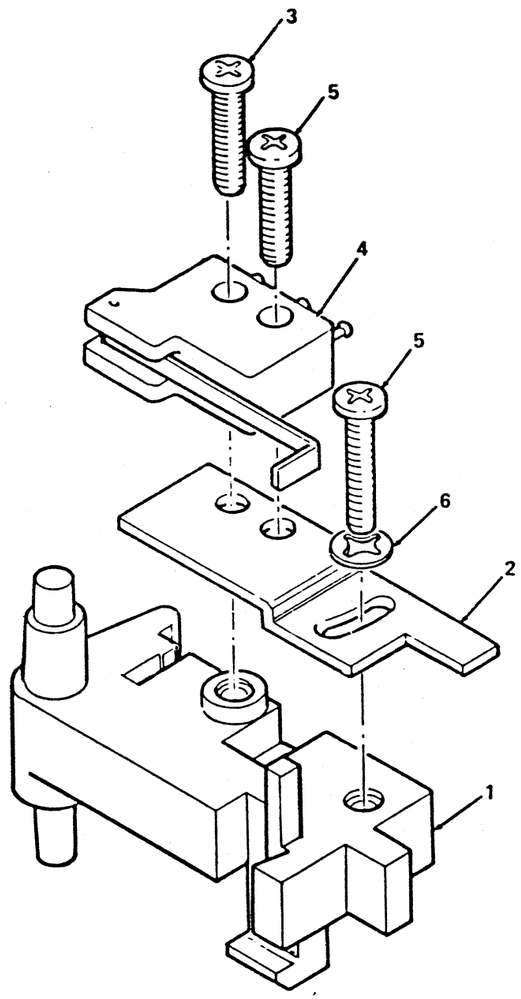
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PARTS LIST



TK70-04

FIG. & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-21738 00001	USED ON CODE	REF FIG NO.
4—	INTERPOSER ASSEMBLY	70-21738-01			3
1	*Interposer	74-29215-01			
2	*Mount, Switch	74-29218-01			
3	*Screw, Phl Pan Hd No. 2-56 x 1/4	90-06004-01			
4	*Switch, Micro	12-22274-04			
5	*Screw, Phl Pan Hd No. 2-56 x 3/8	90-10500-01			
6	*Washer, Internal Tooth Lock No. 2	90-06631-00			

Figure 4. Interposer Assembly

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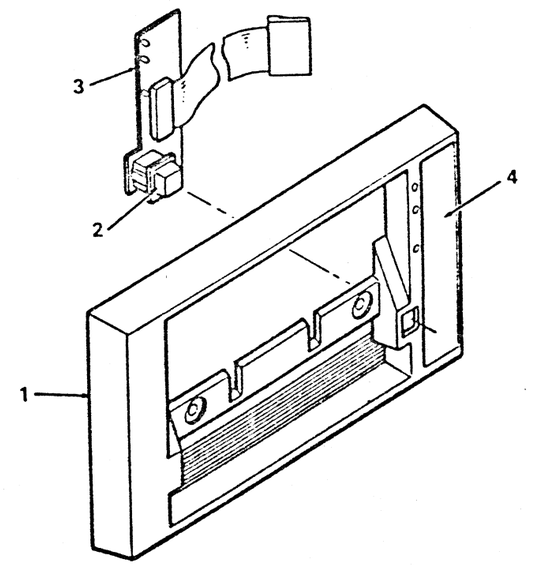
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FIG. & ITEM NO.	DESCRIPTION	DEC PART NO. A	ECO CUT-IN 70-23517 00000	USED ON CODE	REF FIG NO.
5–	BEZEL ASSEMBLY	70-23517-01			1
1	*Bezel	74-34041-01			
2	*Button, Push	74-34166-01			
3	*Module, Switch/LED Assembly	54-18272-01			
4	*Label, "TK70"	36-27465-01			



TK70-05

Figure 5. Bezel Assembly

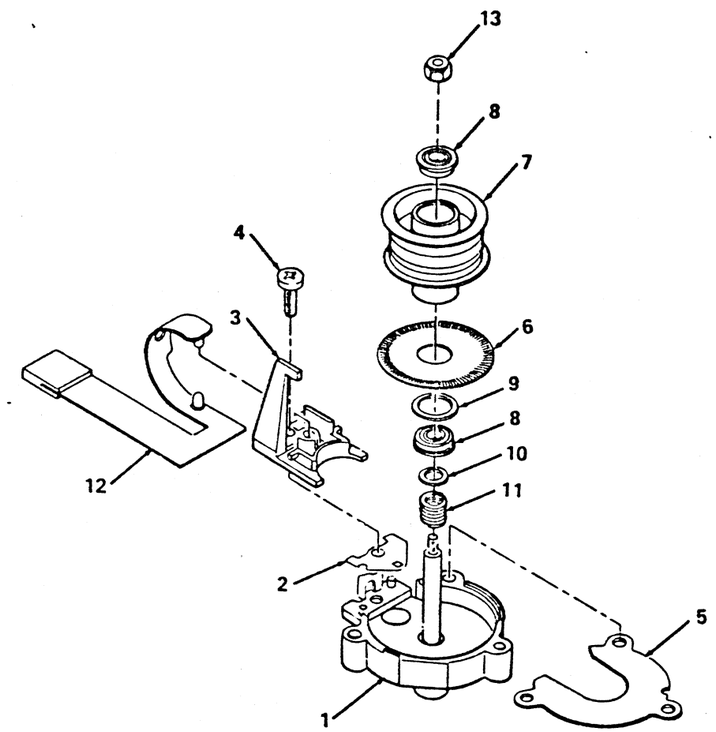
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TK70-06

Figure 6. Tachometer Assembly

FIG. & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-24659 00000	USED ON CODE	REF FIG NO.
6–	TACHOMETER ASSEMBLY	70-24659-01			1
1	*Body, Tachometer	74-32341-01			
2	*Mask, Encoder	74-29220-01			
3	*Guide, Tachometer	74-32343-01			
4	*Screw, Phl Flat Hd Self-Tap No. 6 x 1/2	90-09800-00			
5	*Plate, Tachometer Cover	74-32342-01			
6	*Disk, Encoder	74-27698-01			
7	*Capstan	74-34038-01			
8	*Bearing, Flanged Ball	12-22788-01			
9	*Ring, Support	74-31389-01			
10	*Washer, Flat	12-24692-03			
11	*Spring, Compression	12-13656-05			
12	*Cable Assembly, Flex	17-01088-01			
13	*Nut, Hex Self Lock Nylon No. 4-40	90-08054-00			

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REVISION HISTORY

DATE	ECO NUMBER	REV

TITLE: ILLUSTRATED BREAKDOWN FOR TK70A TAPE DRIVE

SIZE	CODE	DOCUMENT NUMBER	REV
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PART NUMBER/DESCRIPTION SORT

TK70 TAPE DRIVE SORT BY DEC PART NUMBER

PART NO.	DESCRIPTION	FIG. NO.	ITEM
11-23276-01	EOT/BOT LED-Photo Assembly	1	14
12-12912-01	Spring, Compression	1	29
12-13656-01	Guard, Tape	1	18
12-13656-05	Spring, Compression	6	11
12-13656-05	Spring, Compression	1	19
12-21497-02	Actuator, Digital Linear	2	4
12-22089-01	Solenoid, Tubular (10.5 Vdc)	3	9
12-22274-04	Switch, Micro	4	4
12-22356-01	Spring, Compression	2	9
12-22357-01	Spring, Compression	1	30
12-22358-01	Spring, Compression	1	34
12-22538-01	Spring, Torsion	3	10
12-22681-01	Motor, Brushless	2	2
12-22788-01	Ball Bearing, Flanged	1	21
12-22788-01	Bearing, Flanged Ball	6	8
12-22895-01	Spring, Head Bracket	1	9
12-22958-02	Switch, Thermal	2	7
12-23742-01	Spring, Torsion	3	14
12-24328-01	Shim, Plastic	2	15
12-24692-02	Washer, Flat	2	11
12-24692-03	Washer, Flat	6	10
12-24692-03	Washer, Flat	1	20
12-25332-02	Switch Assembly (No Snap Action)	3	11
17-01088-01	Cable Assembly, Flex	6	12
36-19833-03	Label, "S/N, TK70"	2	14
36-27465-01	Label, "TK70"	5	4
54-17637-01	Module, TK70 Drive	1	3
54-18272-01	Module, Switch/LED Assembly	5	3
70-21141-01	Shield Assembly, External	1	17
70-21732-01	Baseplate Assembly	2	1
70-21736-01	MOTOR and BASEPLATE ASSEMBLY	2	N/A
70-21736-01	MOTOR AND BASEPLATE ASSEMBLY	1	4
70-21738-01	INTERPOSER ASSEMBLY	4	N/A
70-21738-01	INTERPOSER ASSEMBLY	3	8
70-21765-01	Insulator Assembly	1	2
70-23477-01	Reel Driver Assembly	2	10
70-23482-01	Head, Recording	1	10
70-23497-01	RECEIVER ASSEMBLY	3	N/A
70-23497-01	RECEIVER ASSEMBLY	1	31
70-23517-01	BEZEL ASSEMBLY	1	36
70-23517-01	BEZEL ASSEMBLY	5	N/A
70-23544-01	Latch Leader Assembly	1	35
70-24656-01	Handle, Engaging	3	7
70-24659-01	TACHOMETER ASSEMBLY	6	N/A
70-24659-01	TACHOMETER ASSEMBLY	1	11

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DATE	ECO NUMBER	REV

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TK70 TAPE DRIVE SORT BY DEC PART NUMBER

PART NO.	DESCRIPTION	FIG. NO.	ITEM
74-25652-01	Plate, Skid	1	1
74-27668-01	Reel, Take-up	1	25
74-27698-01	Disk, Encoder	6	6
74-28286-01	Leader, Cartridge (Take-up)	1	26
74-29211-01	Plate, Clutch	3	4
74-29212-01	Floor, Receiver	3	1
74-29213-01	Link, Right Clutch	3	5
74-29214-01	Link, Left Clutch	3	6
74-29215-01	Interposer	4	1
74-29216-01	Shaft, Pivot Link	3	3
74-29218-01	Mount, Switch	4	2
74-29220-01	Mask, Encoder	6	2
74-29585-01	Strain Relief, Head	1	6
74-29607-02	Shield, Actuator	2	5
74-29616-01	Constraint, Tape	1	24
74-30728-01	Bracket, Head Spring	1	5
74-31389-01	Ring, Support	6	9
74-31657-01	Plate, Spring	2	8
74-32341-01	Body, Tachometer	6	1
74-32342-01	Plate, Tachometer Cover	6	5
74-32343-01	Guide, Tachometer	6	3
74-32363-01	Enclosure	1	37
74-32530-01	Receiver	3	2
74-34038-01	Capstan	6	7
74-34038-01	Capstan, Tachometer	1	22
74-34041-01	Bezel	5	1
74-34166-01	Button, Push	5	2
74-34496-01	Link, Buckling	3	13
74-35724-01	Retainer, Damper	1	13
74-35725-01	Damper, Vibration	1	38
90-00038-21	Screw, Phl Fill Hd No. 8-32 x 1 1/2	1	28
90-00049-36	Screw, Phl Self-Tap No. 6-32 x 1/2	1	8
90-00049-58	Screw, Phl Pan Hd No. 6-32 x 5/16	1	16
90-06004-01	Screw, Phl Pan Hd No. 2-56 x 1/4	4	3
90-06022-01	Screw, Phl Pan Hd No. 6-32 x 9/16	1	32
90-06039-01	Screw, Phl Fill Hd No. 8-32 x 1/2	2	13
90-06631-00	Washer, Internal Tooth Lock No. 2	4	6
90-08054-00	Nut, Hex Self Lock Nylon No. 4-40	6	13
90-08054-00	Nut, Nylon Self Lock No. 4-40	1	23
90-09800-00	Screw, Phl Flat Hd Self-Tap No. 6 x 1/2	6	4
90-09882-00	Washer, Internal Tooth Lock No. 6	1	33
90-10089-03	Screw, Phl Pan Hd No. 6-32 x 5/16	2	3
90-10109-00	Screw, Phl Pan Hd No. 6-32 x 5/8	1	12
90-10174-03	Screw, Sems Phl Pan Hd No. 6-32 x 1/2	1	7
90-10500-01	Screw, Phl Pan Hd No. 2-56 x 3/8	4	5
90-10500-01	Screw, Phl Pan Hd No. 2-56 x 3/8	3	12
90-10506-01	Washer, Spring	1	27
90-10506-01	Washer, Spring	2	12
90-10717-01	Screw, Phl Pan Hd No. 6-32 x 7/16	2	6

TK70 TAPE DRIVE SORT BY DEC PART NUMBER

PART NO.	DESCRIPTION	FIG. NO.	ITEM
90-10717-01	Screw, Sems Phl Pan Hd No. 6-32 x 5/8	1	15
TK70-01	TK70 TAPE DRIVE W/SKID PLATE	1	N/A
TK70-02	TK70 TAPE DRIVE WO/SKID PLATE	1	N/A

D C B A

REVISION HISTORY

DATE	ECO NUMBER	REV

TITLE: ILLUSTRATED BREAKDOWN FOR TK70A TAPE DRIVE

DOCUMENT NUMBER: SIZE B | CODE IB | TK70A-0-0 | REV A

SCALE | SHEET 3 OF 11

DRD 1374

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TK70 TAPE DRIVE SORTED BY DEC PART DESCRIPTION

DESCRIPTION	DEC PART NO.	FIG. NO.	ITEM
Actuator, Digital Linear	12-21497-02	2	4
Ball Bearing, Flanged	12-22788-01	1	21
Baseplate Assembly	70-21732-01	2	1
Bearing, Flanged Ball	12-22788-01	6	8
Bezel	74-34041-01	5	1
BEZEL ASSEMBLY	70-23517-01	5	N/A
BEZEL ASSEMBLY	70-23517-01	1	36
Body, Tachometer	74-32341-01	6	1
Bracket, Head Spring	74-30728-01	1	5
Button, Push	74-34166-01	5	2
Cable Assembly, Flex	17-01088-01	6	12
Capstan	74-34038-01	6	7
Capstan, Tachometer	74-34038-01	1	22
Constraint, Tape	74-29616-01	1	24
Damper, Vibration	74-35725-01	1	38
Disk, Encoder	74-27698-01	6	6
Enclosure	74-32363-01	1	37
EOT/BOT LED-Photo Assembly	11-23276-01	1	14
Floor, Receiver	74-29212-01	3	1
Guard, Tape	12-13656-01	1	18
Guide, Tachometer	74-32343-01	6	3
Handle, Engaging	70-24656-01	3	7
Head, Recording	70-23482-01	1	10
Insulator Assembly	70-21765-01	1	2
Interposer	74-29215-01	4	1
INTERPOSER ASSEMBLY	70-21738-01	3	8
INTERPOSER ASSEMBLY	70-21738-01	4	N/A
Label, "S/N, TK70"	36-19833-03	2	14
Label, "TK70"	36-27465-01	5	4
Latch Leader Assembly	70-23544-01	1	35
Leader, Cartridge (Take-up)	74-28286-01	1	26
Link, Buckling	74-34496-01	3	13
Link, Left Clutch	74-29214-01	3	6
Link, Right Clutch	74-29213-01	3	5
Mask, Encoder	74-29220-01	6	2
Module, Switch/LED Assembly	54-18272-01	5	3
Module, TK70 Drive	54-17637-01	1	3
MOTOR AND BASEPLATE ASSEMBLY	70-21736-01	1	4
MOTOR and BASEPLATE ASSEMBLY	70-21736-01	2	N/A
Motor, Brushless	12-22681-01	2	2

TK70 TAPE DRIVE SORTED BY DEC PART DESCRIPTION

DESCRIPTION	DEC PART NO.	FIG. NO.	ITEM
Mount, Switch	74-29218-01	4	2
Nut, Hex Self Lock Nylon No. 4-40	90-08054-00	6	13
Nut, Nylon Self Lock No. 4-40	90-08054-00	1	23
Plate, Clutch	74-29211-01	3	4
Plate, Skid	74-25652-01	1	1
Plate, Spring	74-31657-01	2	8
Plate, Tachometer Cover	74-32342-01	6	5
Receiver	74-32530-01	3	2
RECEIVER ASSEMBLY	70-23497-01	3	N/A
RECEIVER ASSEMBLY	70-23497-01	1	31
Reel Driver Assembly	70-23477-01	2	10
Reel, Take-up	74-27668-01	1	25
Retainer, Damper	74-35724-01	1	13
Ring, Support	74-31389-01	6	9
Screw, Phl Fill Hd No. 8-32 x 1 1/2	90-00038-21	1	28
Screw, Phl Fill Hd No. 8-32 x 1/2	90-06039-01	2	13
Screw, Phl Flat Hd Self-Tap No. 6 x 1/2	90-09800-00	6	4
Screw, Phl Pan Hd No. 2-56 x 1/4	90-06004-01	4	3
Screw, Phl Pan Hd No. 2-56 x 3/8	90-10500-01	4	5
Screw, Phl Pan Hd No. 2-56 x 3/8	90-10500-01	3	12
Screw, Phl Pan Hd No. 6-32 x 5/16	90-10089-03	2	3
Screw, Phl Pan Hd No. 6-32 x 5/16	90-00049-58	1	16
Screw, Phl Pan Hd No. 6-32 x 5/8	90-10109-00	1	12
Screw, Phl Pan Hd No. 6-32 x 7/16	90-10717-01	2	6
Screw, Phl Pan Hd No. 6-32 x 9/16	90-06022-01	1	32
Screw, Phl Self-Tap No. 6-32 x 1/2	90-00049-36	1	8
Screw, Sems Phl Pan Hd No. 6-32 x 1/2	90-10174-03	1	7
Screw, Sems Phl Pan Hd No. 6-32 x 5/8	90-10717-01	1	15
Shaft, Pivot Link	74-29216-01	3	3
Shield Assembly, External	70-21141-01	1	17
Shield, Actuator	74-29607-02	2	5
Shim, Plastic	12-24328-01	2	15
Solenoid, Tubular (10.5 Vdc)	12-22089-01	3	9
Spring, Compression	12-13656-05	6	11
Spring, Compression	12-12912-01	1	29
Spring, Compression	12-22357-01	1	30
Spring, Compression	12-13656-05	1	19
Spring, Compression	12-22356-01	2	9
Spring, Compression	12-22358-01	1	34
Spring, Head Bracket	12-22895-01	1	9
Spring, Torsion	12-22538-01	3	10
Spring, Torsion	12-23742-01	3	14
Strain Relief, Head	74-29535-01	1	6
Switch Assembly (No Snap Action)	12-25332-02	3	11
Switch, Micro	12-22274-04	4	4
Switch, Thermal	12-22958-02	2	7

REVISION HISTORY

DATE	ECO NUMBER	REV

TITLE: ILLUSTRATED BREAKDOWN FOR TK70A TAPE DRIVE

DOCUMENT NUMBER: SIZE B | CODE IB | NUMBER TK70A-0-0 | REV A

SCALE | SHEET 10 OF 11

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TK70 TAPE DRIVE SORTED BY DEC PART DESCRIPTION

DESCRIPTION	DEC PART NO.	FIG. NO.	ITEM
TACHOMETER ASSEMBLY	70-24659-01	1	11
TACHOMETER ASSEMBLY	70-24659-01	6	N/A
TK70 TAPE DRIVE W/SKID PLATE	TK70-01	1	N/A
TK70 TAPE DRIVE WO/SKID PLATE	TK70-02	1	N/A
Washer, Flat	12-24692-03	1	20
Washer, Flat	12-24692-03	6	10
Washer, Flat	12-24692-02	2	11
Washer, Internal Tooth Lock No. 2	90-06631-00	4	6
Washer, Internal Tooth Lock No. 6	90-09882-00	1	33
Washer, Spring	90-10506-01	1	27
Washer, Spring	90-10506-01	2	12

REVISION HISTORY

DATE	ECO NUMBER	REV

TITLE: ILLUSTRATED BREAKDOWN FOR TK70A TAPE DRIVE

SIZE	CODE	DOCUMENT NUMBER	REV
B	IB	TK70A-0-0	A

SCALE

LAST PLOT B IB TK70A-0-0 REV A

DRAWING NO.	NO.SHTS	PART NO.	DESCRIPTION	REVISIONS
		650QS-A2	BA213 BOX, M7620-AA, 2 PS, 120V	A1 A1 A1 A1 A2 A3 A3 A3
		650QS-A3	BA213 BOX, M7620-AA, 2 PS, 240V	A1 A1 A1 A1 A2 A3 A3 A3
		650QS-B2	BA213 BOX,M7602-AA,2PS,120V,W/SKIN	A1 A1 A1 A1 A2 A3 A3 A3
		650QS-B3	BA213 BOX,M7602-AA,2PS,240V,W/SKIN	A1 A1 A1 A1 A2 A3 A3 A3
		650QS-C2	650QS-A2 & RACK MOUNT	A1 A1 A1 A1 A2 A3 A3 A3
		650QS-C3	650QS-A3 & RACK MOUNT	A1 A1 A1 A1 A2 A3 A3 A3
		650QS-D2	650QS-A2 & WALL MOUNT	A1 A1 A1 A1 A2 A3 A3 A3
		650QS-D3	650QS-A3 & WALL MOUNT	A1 A1 A1 A1 A2 A3 A3 A3
		650QS-E2	BA213 BOX, M7620-BA, 2 PS, 120V	A1 A1 A1 A1 A2 A3 A3 A3
		650QS-E3	BA213 BOX, M7620-BA, 2 PS, 240V	A1 A1 A1 A1 A2 A3 A3 A3
		650QS-F2	BA213 BOX,M7620-BA,2PS,120V,W/SKIN	A1 A1 A1 A1 A2 A3 A3 A3
		650QS-F3	BA213 BOX,M7620-BA,2PS,240V,W/SKIN	A1 A1 A1 A1 A2 A3 A3 A3
		650QS-H2	650QS-E2 & RACK MOUNT	A1 A1 A1 A1 A2 A3 A3 A3
		650QS-H3	650QS-E3 & RACK MOUNT	A1 A1 A1 A1 A2 A3 A3 A3
		650QS-J2	650QS-E2 & WALL MOUNT	A1 A1 A1 A1 A2 A3 A3 A3
		650QS-J3	650QS-E3 & WALL MOUNT	A1 A1 A1 A1 A2 A3 A3 A3
		650QS-K2	8 MEG TIMESHARE SBB 120V	- - A1 A1 A2 A3 A3 A4
		650QS-K3	8 MEG TIMESHARE SBB 120V	- - A1 A1 A2 A3 A3 A4

NOTES:

REV	A	B	C	D	E	F	H	J

REVISION HISTORY	ECO NO	INIT	CTSS0001	CTSS0002	CTSS0003	MKO0045	MKO0056	CTSS0076	MKO0077
	DATE		02/29/88	10/29/88	02/28/89	05/09/89	01/09/89		

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DRN: J. CORMIER | DATE: 17-APR-87

CHK'D: D. HEALY | DATE: 24-AUG-87

DES.ENG.: G. LIDINGTON | DATE: 24-AUG-87

RESP.ENG.: G. LIDINGTON | DATE: 24-AUG-87

MFG.ENG.: M. MAI | DATE: 24-AUG-87

digital™

TITLE
650QS PEDESTAL
BA213

SHEET 1 OF 2 | EDIT: 9

DOCUMENT NUMBER
DD FILENAME: 650QSJ.DDF

SIZE	CODE	NUMBER	REV
K	DD	650QS-0-0	J

DRAWING NO.	NO.SHTS	PART NO.	DESCRIPTION	REVISIONS
		650QS-L2	16 MEG TIMESHARE SBB 120V	- - - - A1 A2 A2 A3
		650QS-L3	16 MEG TIMESHARE SBB 120V	- - - - A1 A2 A2 A3
		650QS-M2	16 MEG SERVER SBB, 120V	- - - - A1 A2 A2 A3
		650QS-M3	16 MEG SERVER SBB, 240V	- - - - A1 A2 A2 A3
		650QS-N2	8 MEG SERVER SBB, 120V	- - - - A1 A2 A2 A3
		650QS-N3	8 MEG SERVER SBB, 240V	- - - - A1 A2 A2 A3
B-DD-650QS-0-DBU	9		650QS PEDESTAL BA213 (DD)	A B C D E IN IN IN
E-UA-650QS-0-DBU	2		650QS PEDESTAL BA213 (UA)	A B C C D E E F
K-PL-650QS-0-DBP	6		650QS PEDESTAL BA213 (PL)	A B C C D E E F
B-TC-650QS-0-DBU	1		650QS PEDESTAL BA213 (TC)	A A B C IN IN IN IN
K-TC-650QS-0-DBU	1		650QS PEDESTAL BA213 (TC)	- - - - D E E F
		MP02538-01	PRINT SET, 650QS (MP)	A1 A1 A1 A1 B1 C1 C1 C1
B-GL-BA213-0-DBU			UL REGULATORY INFO	- A A A B B B B
B-IB-650QS-0-0			I.B. FOR 650QS PEDESTAL SYSTEMS	A A A A A A B B
B-IB-BA213-0-0			I.B. FOR BA213 ENCLOSURE	A A B B B B B B
B-IB-RD53A-0-0			I.B. FOR RD53-A DISK DRIVE	A A A A A A A A
B-IB-RD54A-0-0			I.B. FOR RD54-A DISK DRIVE	A A A A A A A A
B-IB-RA70A-0-0			I.B. FOR RA70-A DISK DRIVE	A A A A A A A A
B-IB-TK50-0-0			I.B. FOR TK50 TAPE DRIVE	A A A A A A A A
B-IB-TK70A-0-0			I.B. FOR TK70-A TAPE DRIVE	A A A A A A A A

								TITLE	SIZE	CODE	DOCUMENT NUMBER	REV

DRAWING NO.	NO.SHTS	PART NO.	DESCRIPTION	REVISIONS
		5417016-01	H3600 CONSOLE-SLU MODULE	A1 B1 B2 C2
D-UA-5417016-0-0	1		H3600 UNIT ASSEMBLY	A B C D
K-PL-5417016-0-DBP	1		H3600 PARTS LIST	A B C D
K-CS-5417016-0-DBX	1		H3600 SCHEMATIC DATABASE	A B B C
K-PC-5417016-0-DBJ	1		H3600 P.C. DESIGN DATABASE	E E E F
		5017015-01	ETCHED CIRCUIT BOARD	E1 E1 E1 F1
K-DD-5017015-0-0	1		E.C.B. DRAWING DIRECTORY	A A A B

NOTES:

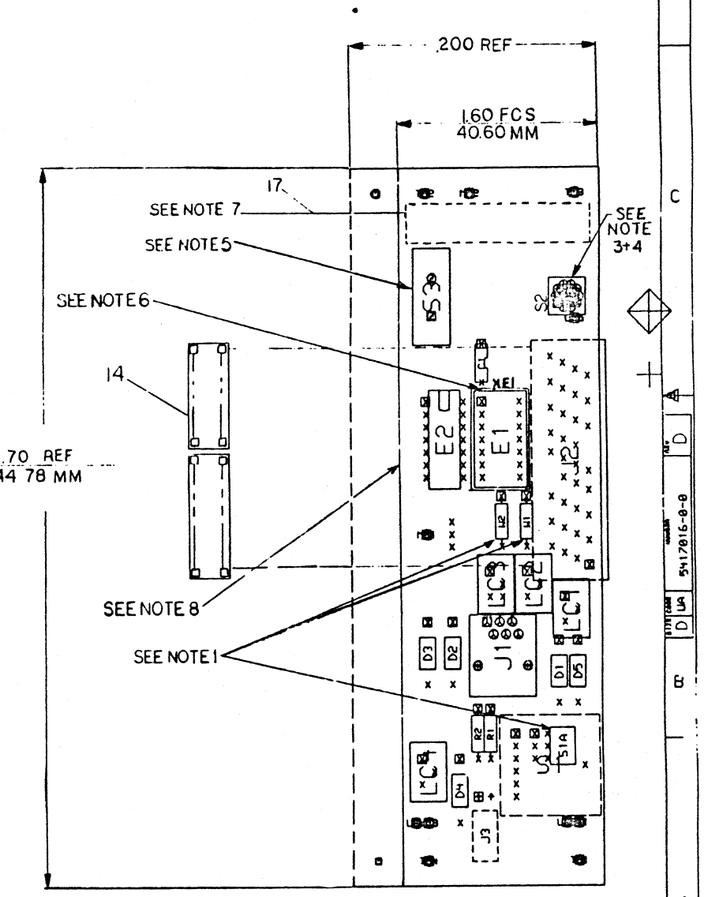
1) NEXT HIGHER ASSEMBLY: D-UA-7023988-0-DBU

REVISION HISTORY	REV	A	B	C	D
	ECO NO	INIT	MLO001	MKO002	MKO003
	DATE	09/8/86	06/8/87	07/8/88	01/8/89

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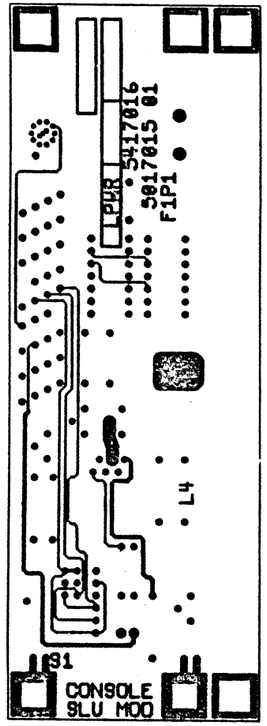
DRN: BLAISE DITOMMASO	DATE: 16SEPT86	d i g i t a l
CHK'D: DAVE DROZD	DATE: 16SEPT86	TITLE: H3600 CONSOLE-SLU MODULE
DES.ENG.: WILL KERCHNER	DATE: 16SEPT86	SHEET 1 OF 1 / EDIT: 5
RESP.ENG.: JAUN ARAUJO	DATE: 16SEPT86	DOCUMENT NUMBER / DD FILENAME: 5417016D.DDF
MFG.ENG.: BOB LINKLETTER	DATE: 30SEPT86	SIZE: K / CODE: DD / NUMBER: 5417016-0-0 / REV: D

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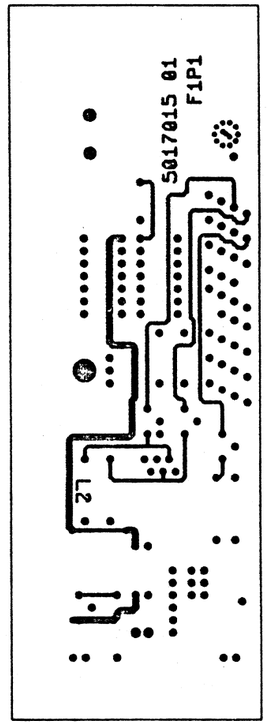


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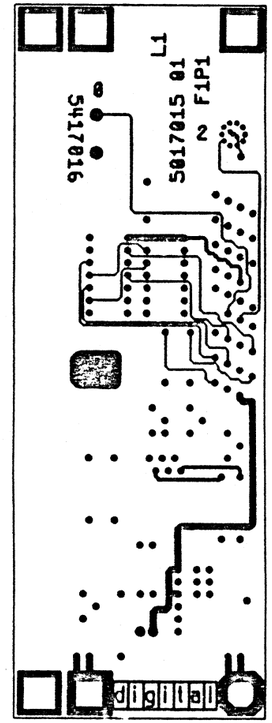
VIEWED FROM SIDE 2



VIEWED FROM SIDE 1



VIEWED FROM SIDE 1



REVISION HISTORY		
DATE	ECO NUMBER	REV.

DOCUMENT NUMBER			
SIZE	CODE	NUMBER	REV
D	UA	5417016-0-0	D

TITLE

SCALE

SHEET 2 OF 2

DRD 136A

AUTOMATED BY VAXKPL (V2.0)

P A R T S L I S T

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VAR/REV 01	QTY PER VAR/REV C2	REFERENCE DESIGNATORS
1	1	D-ID-5017015-0-0	50-17015-01		CIRCUIT DRILL AND ETCH	1		
2	2		10-14265-02		0.33 MFD 50V +80/-20% Z5U C	1		C1
3	3		11-26762-01		TRANS SUPP,BIPOLAR 500W VR=24V	3		D2,D3,D5
4	4		11-27181-01		TRANS SUPP BIPOLAR VR=1	2		D1,D4
5	5		12-16565-04		SKT,IC 14POS ELEV	1		XE1
6	6		12-19196-03		PCB HEADER 02POS(1X02).100CC 90D	1		J3
7	7		12-23338-02		SW,THBWL 1PO8POS 125MA28VDC	1		S1
8	8		12-23433-01		CONN,LAN JAC 06 POS	1		J1
9	9		12-25861-01		SW,ROT 1PO3POS 30VDC/200MA	1		S2
10	10		12-25863-04	A	SW,SLIDE SPST MAINTAINED 1A	1		S3
11	11		12-26320-01		FILTER,EMI	4		LC1-LC4
12	12		13-00250-00		150.0 .25 W 5.0 % CF	1		R2
13	13		13-00432-00		3.0 K .25 W 5.0 % CF	1		R1
14	14		17-01357-01		CABLE ASSY,30COND,FLAT,28AWG DIP	1		J2
15	15		19-12803-00		LSO4 INVERTER GATE,HEX	1		E2
16	16		19-16921-00		HEXADECIMAL DISPLAY W/DECODER	1		E1
17	17		36-27920-01	A	LABEL,KAPTON,BLANK	1		
18	18		90-09185-00		*** THIS ITEM IS NOT USED ***	-		
19	19		36-27921-01	A	LABEL,OVER LAMINATE POLYIMIDE	1		
20	20		36-27922-01	A	LABEL,DRY INK FOIL,BLACK	1		

REVISION HISTORY

ENG	ECO NUMBER	REV
---	INITIAL	A
WK	5417016-ML001	B
JA	5417016-MK002	C
JA	5417016-MK003	D

KPL MODULE FORMAT | SECTION A OF A

SECTION/VARIATION INDEX

[A]	01	[M]	
[B]		[N]	
[C]		[P]	
[D]		[Q]	
[E]		[R]	
[F]		[S]	
[H]		[T]	
[J]		[V]	
[K]		[W]	
[L]		[Y]	

BASIC PART NUMBER: 5417016

ASSEMBLY NUMBER: D-UA-5417016-0-0

TOP DOCUMENT NUMBER: K-DD-5417016-0-0

EDIT #: 3

FILE NAME: GH875D.PLS

DRN: B. DITOMMASO
DATE: 11-SEP-86

CHK'D: D. DROZD
DATE: 11-SEP-86

DES.ENG: W. KERCHNER
DATE: 11-SEP-86

RESP.ENG.: W. KERCHNER
DATE: 11-SEP-86

MFG.ENG: F. CULLEN
DATE: 26-SEP-86

D I G I T A L

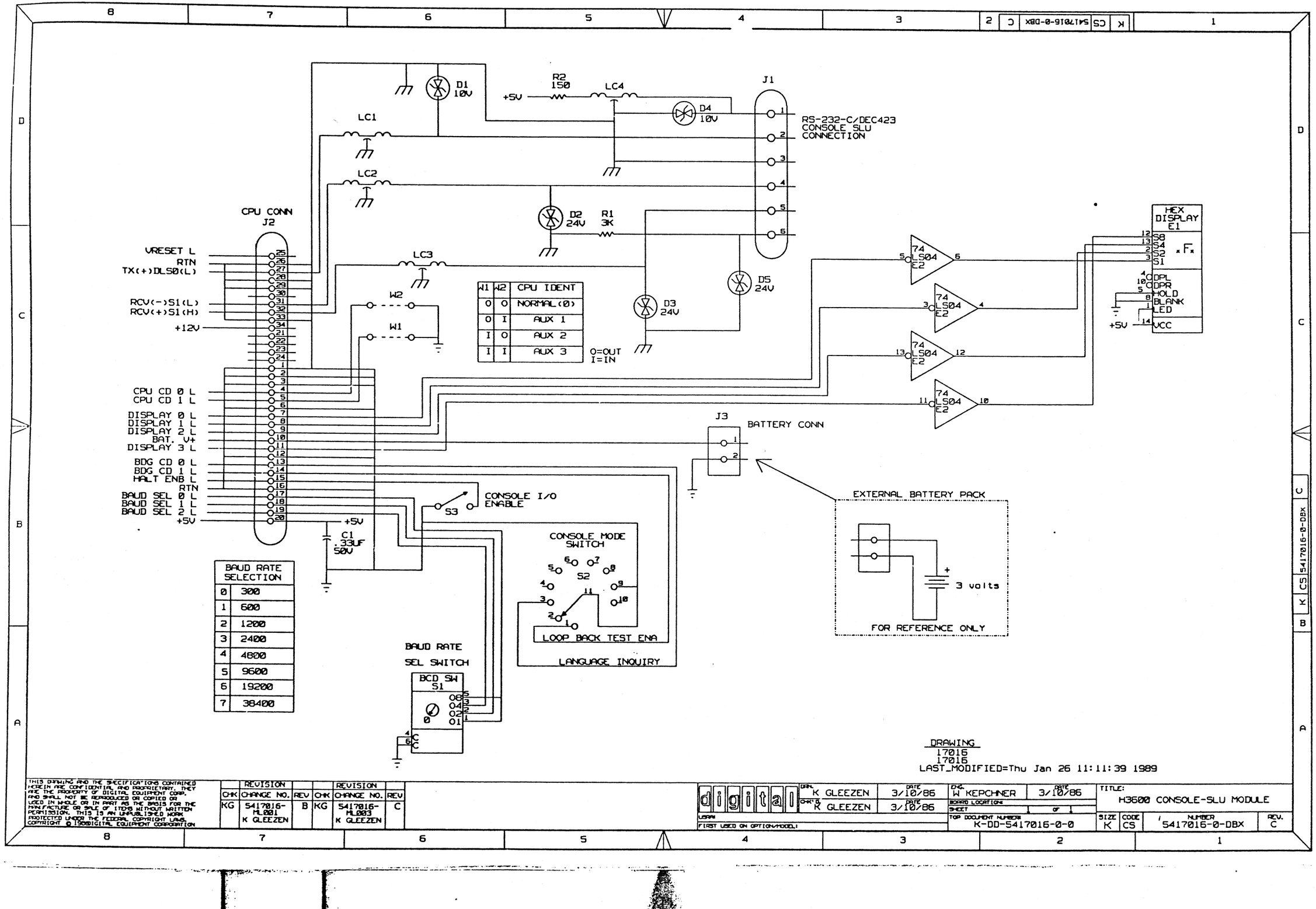
TITLE PARTS LIST
H3600 CONSOLE-SLU MODULE

DOCUMENT NUMBER

SIZE	CODE	NUMBER	REV
K	PL	5417016-0-DBP	D

RELEASE DATE: 20-JAN-89
RELEASE STATUS: RELEASED

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DRAWING
17016
17016
LAST_MODIFIED=Thu Jan 26 11:11:39 1989

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REVISION				REVISION			
CHK	CHANGE NO.		REV	CHK	CHANGE NO.		REV
KG	5417016-ML001 K GLEEZEN		B	KG	5417016-ML003 K GLEEZEN		C

DRN K GLEEZEN	DATE 3/10/86	DES W KEPCHNER	DATE 3/10/86
CHK'D K GLEEZEN	DATE 3/10/86	BOARD LOCATION SHEET 1 OF 1	
USAGE		TOP DOCUMENT NUMBER K-DD-5417016-0-0	
FIRST USED ON OPTION/MODEL			

TITLE: H3600 CONSOLE-SLU MODULE

SIZE	CODE	NUMBER	REV.
K	CS	5417016-0-DBX	C

DRAWING NO.	NO.SHTS	PART NO.	DESCRIPTION	REVISIONS
		5417079-01	EMI FILTER BOARD	A1
D-UA-5417079-0-0	1		EMI UNIT ASSEMBLY	A
B-CS-5417079-0-1	1		EMI CIRCUIT SCHEMATIC	A
K-PL-5417079-0-DBP	1		EMI PARTS LIST	A
K-PC-5417079-0-DBJ	1		EMI P.C. DESIGN DATABASE	C
K-CS-5417079-0-DBX	1		EMI SCHEMATIC DATABASE	A
		5017078-01	ETCHED CIRCUIT BOARD	C1
K-DD-5017078-0-0	1		E.C.B. DRAWING DIRECTORY	A

NOTES:

REV	DATE	REVISION HISTORY
A	9	INITIAL RELEASE

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DRN: BLAISE DITOMMASO — DATE: 05SEPT86

CHK'D: JIM CUNNINGHAM — DATE: 05SEPT86

DES.ENG.: JOHN ARDUINO — DATE: 05SEPT86

RESP.ENG.: JOHN ARDUINO — DATE: 05SEPT86

MFG.ENG.: LEV BROWN — DATE: 05SEPT86

TITLE: EMI FILTER BOARD

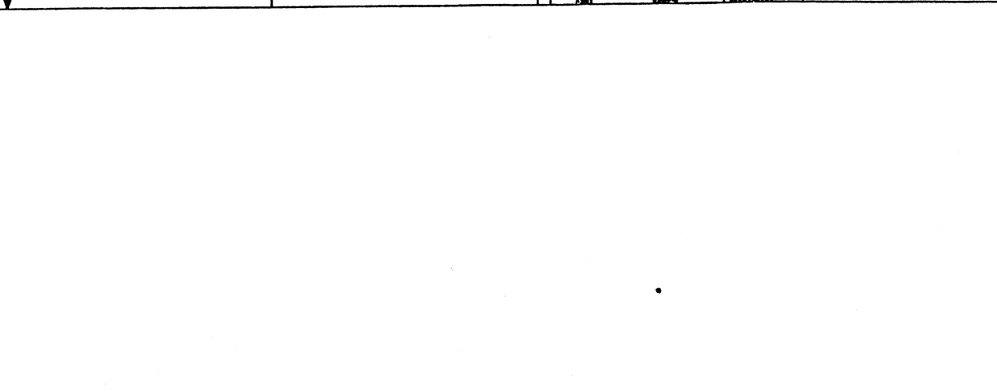
SHEET 1 OF 1 — EDIT: 1

DOCUMENT NUMBER

DD FILENAME: 5417079A.DOF

SIZE	CODE	NUMBER	REV
K	DD	5417079-0-0	A

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NOTES: THIS IS A HPWR BOARD

STEP	↑ Y AXIS ____ STEP ____ TIMES
REPEAT	→ X AXIS ____ STEP ____ TIMES

CHG	CHANGE NO.	REV

ETCH REV. C1

SIGNATURES	DATE
DRN. L. HAYWOOD	5-12-86
CHK D. J CUNNINGHAM	5-12-86
MECH. ENG	9-5-86
PROJ. ENG	9-5-86
PROD.	9/5/86

digital

TITLE EMI
FILTER BOARD

SIZE	CODE	NUMBER	REV
D	UA	5417079-0-0	A

SCALE 2/1
SHT. 1 OF 1
NEXT HIGHER ASSY. B-DD-5417079-0-0

1 MS# 2[illegible]

AUTOMATED BY VAXKPL (V1.2)

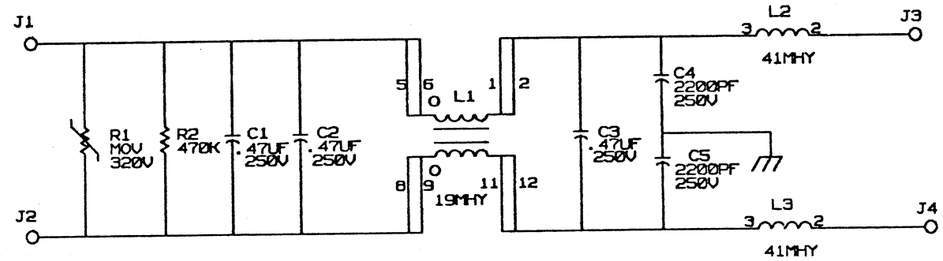
P A R T S L I S T

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VAR/REV 01 A1	REFERENCE DESIGNATORS
1	1	D-MD-5017078-01-0	50-17078-01		CIRCUIT DRILL & ETCH	1	
2	2		10-24317-02		0.47 MFD 250VAC +/-20% LIN	3	C1-C3
3	3		10-24375-01		2200 PFD 250VAC +/-20% LIN	2	C4,C5
4	4		12-20563-01		TER,TAB .250TAB PC MNT	4	J1-J4
5	5		13-19470-92		470.0 K 1.0 W 5.0 % M.OXIDE	1	R2
6	6		13-22505-01		VARISTOR 540VAC VOLT TRANS SUP	1	R1
7	7		16-26569-01		INDUCER,TORROID 19MH 12A	1	L1
8	8		16-26573-01		INDUCER,TORROID 12A	2	L2,L3

REVISION HISTORY			KPL MODULE FORMAT	SECTION A OF A		
ENG	ECO NUMBER	REV	SECTION/VARIATION INDEX		DRN: K.LEE	
---	INITIAL	A	[A] 01	[M]	DATE: 09-APR-86	D I G I T A L
			[B]	[N]	CHK'D: D.DROZD	TITLE PARTS LIST
			[C]	[P]	DATE: 09-APR-86	EMI FILTER BOARD
			[D]	[Q]	DES.ENG: J. ARDUINO	DOCUMENT NUMBER
			[E]	[R]	DATE: 03-JUL-86	SIZE: K / CODE: PL / NUMBER: 5417079-0-DBP / REV: A
			[F]	[S]	RESP.ENG.: J. ADRUINO	
			[H]	[T]	DATE: 03-JUL-86	
			[J]	[V]		
			[K]	[W]	MFG.ENG: L. BROWN	RELEASE DATE: 22-SEP-86
			[L]	[Y]	DATE: 03-JUL-86	RELEASE STATUS: RELEASED

BASIC PART NUMBER:	ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER:	FILE NAME:	EDIT #
5417079	D-UA-5417079-0-0	B-DD-5417079-0-0	MLA0191A.PLS	21

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DRAWING
17079
17079

LAST_MODIFIED=Fri Aug 29 15:16:53 1986

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REVISION		
CHK	CHANGE NO.	REV

digital

DRN	E. LANDRY	4/16/86	
CHK'D	E. LANDRY	4/16/86	
ENG	J. CROSS	4/16/86	

BOARD LOCATION
SHEET 1 OF 1
TOP DOCUMENT NUMBER: B-DD-5417079-0-0
LOCAL
FIRST USED ON OPTION/MODULE

TITLE: EMI FILTER BOARD

SIZE	CODE	NUMBER	REV.
K	CS	5417079-0-1	A

5417079-0-1 A CS K

DRAWING NO.	NO.SHTS	PART NO.	DESCRIPTION	REVISIONS
		5416791-01	BA213 BACKPLANE	A1 A2 B2 C2
E-UA-5416791-0-0	1		BA213 BACKPLANE	A A A
D-CS-5416791-0-1	2		BA213 BACKPLANE	A A A
K-PL-5416791-0-DBP	1		BA213 BACKPLANE	A B C D
K-PC-5416791-0-DBA			P.C. DESIGN DATA BASE	A A A
		5016790-01	ETCHED CIRCUIT BOARD	P1 P1 P1
K-DD-5016790-0-0	1		DRAWING DIRECTORY	A B B C
		5416791-02	BA213 BACKPLANE	A1 B1 B2 C2 D2
E-UA-5416791-1-0	3		BA213 BACKPLANE	B B C
D-CS-5416791-1-1	2		BA213 BACKPLANE	B B C
K-PC-5416791-1-DBA			P.C. DESIGN DATA BASE	B B B
		5016790-01	ETCHED CIRCUIT BOARD	R1 R1 R2 S1
K-SP-5416791-0-0	13		ENGINEERING SPECIFICATION	A A B C
K-PC-5416791-2-DBA			P.C. DESIGN DATA BASE	B
K-PL-5416791-2-DBP	1		BA213 BACKPLANE	E
D-CS-5416791-2-0	2		BA213 BACKPLANE	D
E-UA-5416791-2-0	3		BA213 BACKPLANE	D

NOTES:
E.C.O. 5416791-CTS003 WAS CANCELLED
P1 ETCH WILL NOT SUPPORT MICROVAX MEMORY.
P1 ETCH NOT RECOMMENDED FOR UPDATES.

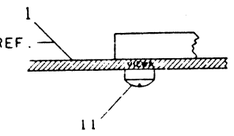
REV	A	B	C	D	E

REVISION STORY	ECO NO	DATE
INITIAL	CTS001	06/18/86
MLO	CTS002	11/1/86
MLO	CTS003	05/1/87
CTS	CTS004	07/8/88
CTS	CTS005	10/1/88

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DRN: P.LENNON	DATE: 20-JUN-86	d i g i t a l
CHK'D: D. BARRIERE	DATE: 20-JUN-86	TITLE: BA213 BACKPLANE
DES.ENG.: D.MILLER	DATE: 20-JUN-86	SHEET 1 OF 1 / EDIT: 15
RESP.ENG.: D.MILLER	DATE: 20-JUN-86	DOCUMENT NUMBER: DD FILENAME: 5416791E.DDF
MFG.ENG.: F.CULLEN	DATE: 20-JUN-86	SIZE: K / CODE: DD / NUMBER: 5416791-0-0 / REV: E

COMPONENT SIDE VIEW



VIEW A-A
24 PLACES

16.00 REF.
[406.40MM]

11.90 REF.
[302.26MM.]

SEE NOTE 1

SEE NOTE 2

10 (8 PLACES)

ZX3
Z3

ZX5
Z5

ZX4
Z4

ZX2
Z2

ZX1
Z1

SIGNATURES	DATE	digital			
DWN. D. MANGO	7-1-86				
CHK.		TITLE BA213			
MECH.ENG.		BACKPLANE			
PROJ.ENG.					
PROD.		ST-ECODE	NUMBER		SIZE
SCALE 2:1		E	400-5416741-0-0		
SHT. 1 OF 1		TOP DOC. NO.	400-5416741-0-0		REV

NOTES: 1. W3 AND W4 NOT INSTALLED ON -02 ONLY.
2. INSTALL JUMPERS ON -02 ONLY.

	STEP C	STEP D
REPERT	+ X AXIS	+ Y AXIS
	STEP D	STEP C

AUTOMATED BY VAXKPL (V2.0)

P A R T S L I S T

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VAR/REV 01 B2	02 C2	REFERENCE DESIGNATORS
1	1	D-MD-5016790-0-0	50-16790-01		CIRCUIT DRILL AND ETCH	1	1	
2	2		12-17535-14		*** THIS ITEM IS NOT USED ***	-	-	
3	3		12-09941-15		*** THIS ITEM IS NOT USED ***	-	-	
4	4		12-21249-04		CLIP,WIRE ROUTING W/ACRYLIC ADH	1	1	
5	5		12-27346-01		PCB HEADER 05POS(1X05).156CC 90D	1	1	J44
6	6		12-23962-01		*** THIS ITEM IS NOT USED ***	-	-	
7	7		12-26157-01		CARD EDGE,72PIN(2X36).125CC STR	24	24	J1-J24
8	8		13-23505-01		R. NET 160.0 -11 390.0 -11 2.0	5	5	Z1-Z5
9	9		36-22147-08		LABEL,BAR CODE,THERMAL 1.00 X 5	1	1	
10	10		74-33567-01		BAR, BUSS	8	8	
11	11		90-00062-01		*** THIS ITEM IS NOT USED ***	-	-	
12	12		90-09185-00		JUMPER, WIRE, INSULATED, BLACK B	-	8	W1-W8
13	13		90-00062-02		SCREW,THD RL, PAN,SERATD,F/MET	24	24	
14	14		12-16832-07		PCB,HEADER 10POS(2X05).100CC 90D	1	-	J43
15	15		91-05740-55		WIRE(WRAP) 30AWG KYNAR UL14	A/R	-	
16	16		12-29473-01		CARD EDGE 56POS(2X28) STR	2	2	J39,J40
17	17		12-17535-16		SKT,IC 13PIN SIP TIN SOLD	5	5	ZX1-ZX5

1 GEN: NOTE: D-MD-5016790-1-0 IS FOR THE R1 ETCH REVISION

REVISION HISTORY

ENG	ECO NUMBER	REV
DM	INITIAL	A
DM	5416791-ML001	B
AD	5416791-ML002	C
JS	5416791-CTS004	D

KPL MODULE FORMAT | SECTION A OF A

SECTION/VARIATION INDEX

[A] 01,02 [M]
[B] [N]
[C] [P]
[D] [Q]
[E] [R]
[F] [S]
[H] [T]
[J] [V]
[K] [W]
[L] [Y]

BASIC PART NUMBER: 5416791

ASSEMBLY NUMBER: E-UA-5416791-0-0

TOP DOCUMENT NUMBER: B-DD-5416791-0-0

EDIT #: 7

FILE NAME: ML998D.PLS

DRN: MIKE FUNARO
DATE: 28-MAY-86

CHK'D: DICK BARRIERE
DATE: 28-MAY-86

DES.ENG: DICK MILLER
DATE: 30-JUN-86

RESP.ENG.: DICK MILLER
DATE: 30-JUN-86

MFG.ENG: FRANCIS CULLEN
DATE: 30-JUN-86

D I G I T A L

TITLE PARTS LIST
BA213 BACKPLANE

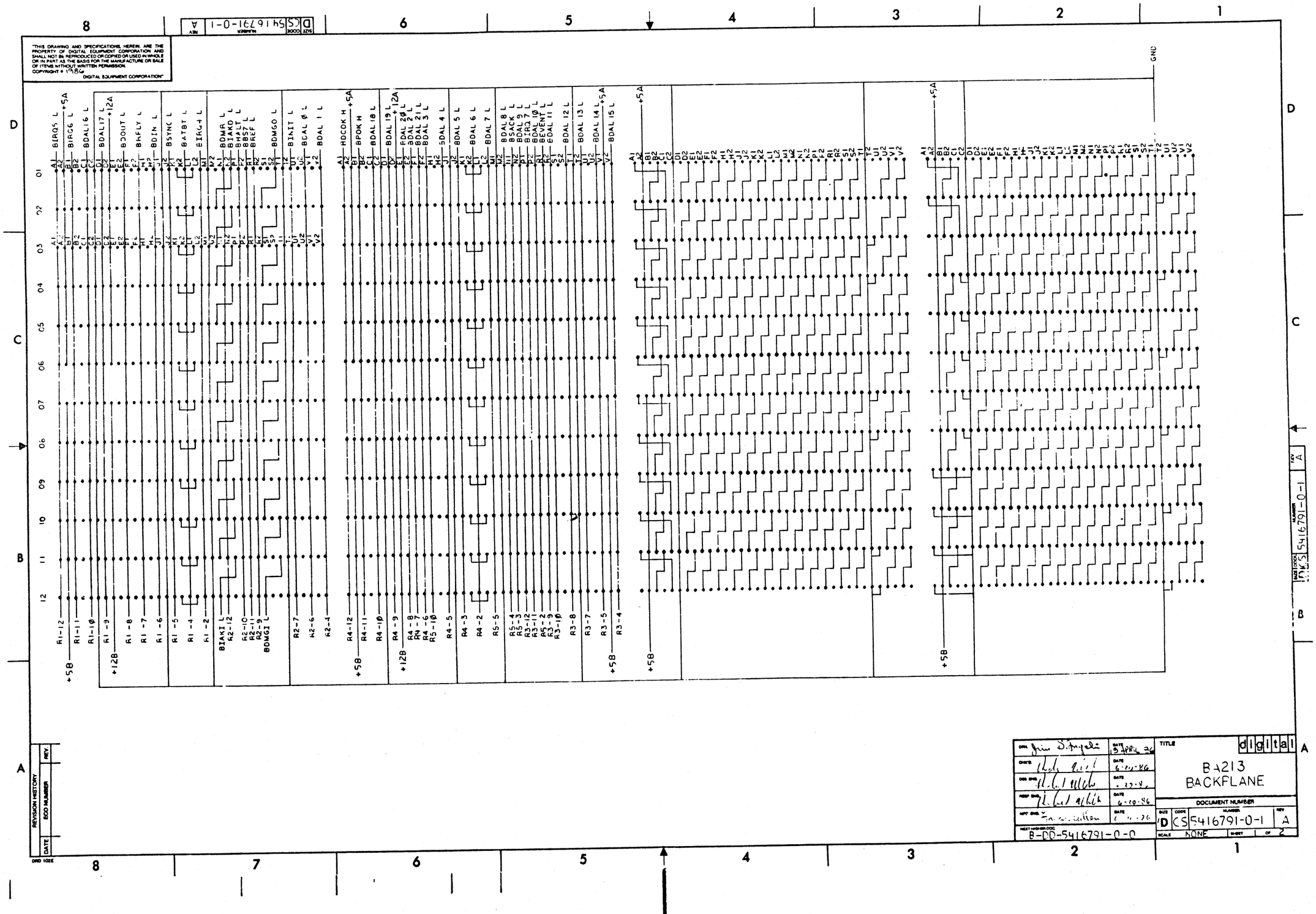
DOCUMENT NUMBER

SIZE	CODE	NUMBER	REV
K	PL	5416791-0-DBP	D

RELEASE DATE: 17-OCT-88
RELEASE STATUS: RELEASED

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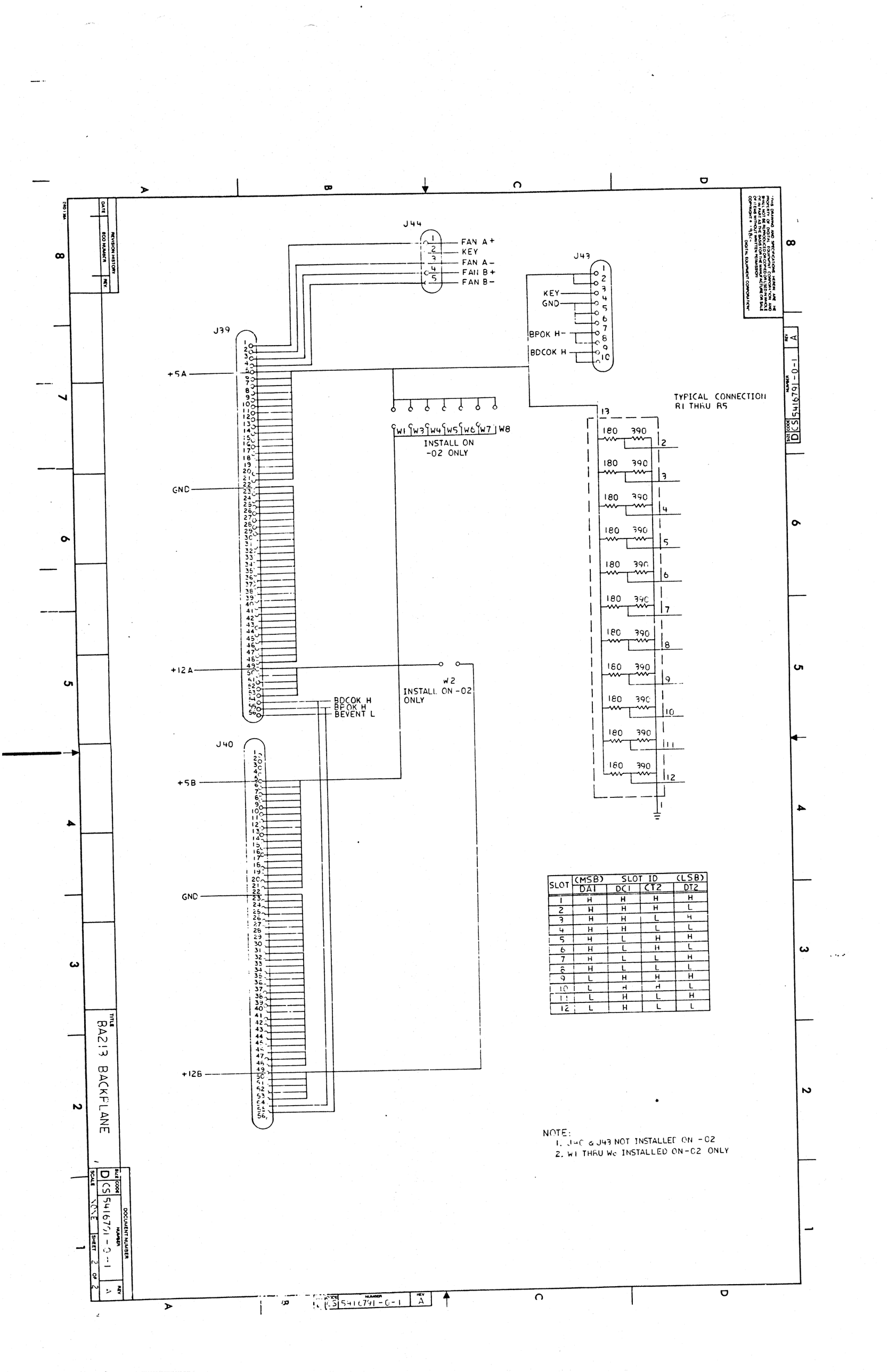
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DRN	Jim Sifrydi	DATE	5 APRIL 76	TITLE	digital
CHK'D	Rich Rizzi	DATE	6-10-76		B-213 BACKPLANE
ENG. SUPV.	R. Gail Wright	DATE	6-10-76		
PROJ. SUPV.	R. Gail Wright	DATE	6-10-76	DOCUMENT NUMBER	
MFG. SUPV.	[illegible]	DATE	[illegible]	SIZE D / CODE CS / NUMBER 5416791-0-1 / REV A	
NEXT HIGHER DOC	B-DD-5416791-0-0			SCALE NONE / SHEET / OF 2	

REVISION HISTORY		
DATE	ECO NUMBER	REV

DRD 102E


J44
FAN A+
KEY
FAN A-
FAN B+
FAN B-
J43
KEY
GND
BPOK H-
BDCOK H
J39
+5A
GND
+12A
BDCOK H
BPOK H
BEVENT L
W1 W3 W4 W5 W6 W7 W8
INSTALL ON -02 ONLY
W2
INSTALL ON -02 ONLY
J40
+5B
GND
+12B
TYPICAL CONNECTION R1 THRU R5
180 390
SLOT (MSB) DA1 DC1 CT2 (LSB) DT2
1 H H H H
2 H H H L
3 H H L H
4 H H L L
5 H L H H
6 H L H L
7 H L L H
8 H L L L
9 L H H H
10 L H H L
11 L H L H
12 L H L L
NOTE:
1. J40 & J43 NOT INSTALLED ON -02
2. W1 THRU W8 INSTALLED ON-02 ONLY
TITLE
BA213 BACKPLANE
SIZE D
CODE
DOCUMENT NUMBER
CS5416791-0-1
SCALE
SHEET 2 OF 2
REV A
CS5416791-0-1
REV A

DRAWING NO.	NO.SHTS	PART NO.	DESCRIPTION	REVISIONS									
		M7620-AA	KA650-AA	C1	D1	E1	F1	H1	H2	J2	K2	K3	K3
		M7620-BA	KA650-BA	C1	D1	E1	F1	H1	H2	J2	K2	K3	K3
D-UA-M7620-0-0	5		KA650 UNIT ASSEMBLY	B	B	B	B	B	B	B	B	B	B
K-CS-M7620-0-1	1		KA650 SYS FUNCTIONAL DRAWING TREE	A	A	A	A	A	A	A	A	A	A
K-CS-M7620-0-2	1		KA650 SYS FUNCT. TOP LEVEL VIEW	A	A	A	A	A	A	A	A	A	A
K-CS-M7620-0-3	1		KA650 SYS FUNCT. TOP LEVEL VIEW	A	A	A	A	A	A	A	A	A	A
K-CS-M7620-0-4	1		KA650 SYS FUNCT. CPU/FPA SUBSYSTEM	A	A	A	A	A	A	A	A	A	A
K-CS-M7620-0-5	1		KA650 SYS FUNCT. MEM CONTROLLER	A	A	A	A	A	A	A	A	A	A
K-CS-M7620-0-6	1		KA650 SYS FUNCT. Q22-BUS INTERFACE	A	A	A	A	A	A	A	A	A	A
K-CS-M7620-0-7	1		KA650 SYS FUNCT. ADDRESS LATCH	A	A	A	A	A	A	A	A	A	A
K-CS-M7620-0-8	1		KA650 SYS FUNCT. CDAL/BCDAL BUFFER	A	A	A	A	A	A	A	A	A	A
K-CS-M7620-0-9	1		KA650 SYS FUNCT. 2ND LEVEL CACHE	A	A	A	A	A	A	A	A	A	A
K-CS-M7620-0-10	1		KA650 SYS FUNCT. DATA STORE	A	A	A	A	A	A	A	A	A	A
K-CS-M7620-0-11	1		KA650 SYS FUNCT. TAG STORE	A	A	A	A	A	A	A	A	A	A
K-CS-M7620-0-12	1		KA650 SYS FUNCT. CNTRL STATE MACH.	A	A	A	A	A	A	A	A	A	A
K-CS-M7620-0-13	1		KA650 SYS FUNCT. CACHESTB STATE	A	A	A	A	A	A	A	A	A	A
K-CS-M7620-0-14	1		KA650 SYS FUNCT. DSCONTINUE STATE	A	A	A							

NOTES:

REV	B	C	D	E	F	H	J	K	L	M
REVISION HISTORY	MLO 00	MLO 00	CTS 00	CTS 00	CTS 00	CTS 00	CTS 00	CTS 00	CTS 00	BXC 00
			S 03	S 04	S 05	S 06	S 07	S 08	S 09	C 10
DATE	02/08/88	08/08/88	08/08/88	11/08/88	12/08/89	12/08/89	03/09/89	05/09/89	06/09/89	10/09/89

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DRN: B. CORMIER | DATE: 04/22/87

CHK'D: J. CUNNINGHAM | DATE: 04/22/87

DES.ENG.: C. DEVANE | DATE: 04/22/87

RESP.ENG.: D. FIELDS | DATE: 04/22/87

MFG.ENG.: T. CAVANAUGH | DATE: 07/15/87

d i g i t a l

TITLE

KA650

SHEET 1 OF 3 | EDIT: 19

DOCUMENT NUMBER

DD FILENAME: M7620M.DDF

SIZE	CODE	NUMBER	REV
K	DD	M7620-0-0	M

DRAWING NO.	NO.SHTS	PART NO.	DESCRIPTION	REVISIONS
K-CS-M7620-0-16	1		KA650 SYS FUNCT. CONTROL FLOW DIAG	A A A A A A A A A A
K-CS-M7620-0-17	1		KA650 SYS FUNCT. CONTROL FLOW DIAG	A A A A A A A A A A
K-CS-M7620-0-18	1		KA650 SYS FUNCT. CONTRL STATE DIAG	A A A A A A A A A A
K-CS-M7620-0-19	1		KA650 SYS FUNCT. CONTRL STATE DIAG	A A A A A A A A A A
K-CS-M7620-0-20	1		KA650 SYS FUNCT. CONTRL STATE DIAG	A A A A A A A A A A
K-CS-M7620-0-21	1		KA650 SYS FUNCT. CACHE CNTRL REG.	A A A A A A A A A A
K-CS-M7620-0-22	1		KA650 SYS FUNCT. CLOCK SUBSYSTEM	A A A A A A A A A A
K-CS-M7620-0-23	1		KA650 SYS FUNCT. SYS SUPPORT FUNCT	A A A A A A A A A A
K-CS-M7620-0-24	1		KA650 SYS FUNCT. BOOT/DIAGNOSTIC	A A A A A A A A A A
K-CS-M7620-0-25	1		CPU/FPA SUBSYSTEM CLOCK SUBSYSTEM	A A A A A A A A A A
K-CS-M7620-0-26	1		MEMORY CONTROLLER SUBSYSTEM	A A A A A A A A A A
K-CS-M7620-0-27	1		Q22-BUS INTERFACE SUBSYSTEM	A A A A A A A A A B
K-CS-M7620-0-28	1		ADDRESS LATCH SUBSYSTEM	A A A A A A A A A A
K-CS-M7620-0-29	1		CDAL TO BCDAL BUFFER SUBSYSTEM	A A A A A A A A A A
K-CS-M7620-0-30	1		DATA STORE RAMS CACHE SUBSYSTEM	A A A A A A A A A A
K-CS-M7620-0-31	1		DATA STORE TRANSCEIVERS CACHE	A A A A A A A A A A
K-CS-M7620-0-32	1		TAG STORE 2ND LEVEL CACHE SUBSYS.	A A A
K-CS-M7620-0-34	1		CACHE CONTROL REG. 2ND LEVEL CACHE	A A A A A A A A A A
K-CS-M7620-0-35	1		SYSTEM SUPPORT FUNCTIONS	A A A A A A A A A A
K-CS-M7620-0-36	1		BATTERY CIRCUITS RS232 INTERFACE	B B B B B B B B B B
K-CS-M7620-0-37	1		BOOT AND DIAGNOSTIC ROMS	A A A A A A A A A A
K-CS-M7620-0-38	1		BYPASS CAPACITORS	B B B B B B B B B B
K-CS-M7620-0-39	1		KA650 PAL CODE PAL 1	A A A A A A A A A A
K-CS-M7620-0-40	1		KA650 PAL CODE PAL 2	A A A A A A A A A A
K-CS-M7620-0-41	1		KA650 PAL CODE PAL 3	A A A A A A A A A A
K-CS-M7620-0-42	1		KA650 PAL CODE PAL 4	A A A A A A A A A A
K-CS-M7620-0-43	1		KA650 PAL CODE PAL 5	A A A A A A A A A A
K-CS-M7620-0-44	1		KA650 PAL CODE PAL 6	A A A A A A A A A A
K-CS-M7620-0-45	1		KA650 PAL CODE PAL 7	A A A A A A A A A A
K-CS-M7620-0-46	1		CPU, FPU FOOTPRINT	A A A A A A A A A A
K-CS-M7620-0-47	1		CMCTL FOOTPRINT	A A A A A A A A A A
K-CS-M7620-0-48	1		CQBIC FOOTPRINT	A A A A A A A A A A
K-CS-M7620-0-49	1		SSC, CLK FOOTPRINT	A A A A A A A A A A
K-CS-M7620-0-50	1		SSC, CLK FOOTPRINT	A A A
K-PL-M7620-0-DBP	3		KA650 PARTS LIST	A B C D E F H J K
K-CS-M7620-0-DBX	1		VALID SCHEMATIC DATA BASE	A B B B B B B B B C
K-PC-M7620-0-DBJ	1		P. C. DATA BASE	K K K K K K K K K K
K-CS-M7620-C-DBX	1		EXTERNAL CUST. SCHEMATIC DATA BASE	A A A A A A A A B
K-CS-M7620-C-1	1		KA650 SYS FUNCTIONAL DRAWING TREE	A A A A A A A A A
K-CS-M7620-C-2	1		KA650 SYS FUNCT. TOP LEVEL VIEW	A A A A A A A A A
K-CS-M7620-C-3	1		KA650 SYS FUNCT. TOP LEVEL VIEW	A A A A A A A A A
K-CS-M7620-C-4	1		KA650 SYS FUNCT. CPU/FPA SUBSYSTEM	A A A A A A A A A
K-CS-M7620-C-5	1		KA650 SYS FUNCT. MEM CONTROLLER	A A A A A A A A A
K-CS-M7620-C-6	1		KA650 SYS FUNCT. Q22-BUS INTERFACE	A A A A A A A A A
K-CS-M7620-C-7	1		KA650 SYS FUNCT. ADDRESS LATCH	A A A A A A A A A
A-CS-M7620-C-8	1		KA650 SYS FUNCT. CDAL/BCDAL BUFFER	A A A A A A A A A
A-CS-M7620-C-9	1		KA650 SYS FUNCT. 2ND LEVEL CACHE	A A A A A A A A A
A-CS-M7620-C-10	1		KA650 SYS FUNCT. DATA STORE	A A A A A A A A A
A-CS-M7620-C-11	1		KA650 SYS FUNCT. TAG STORE	A A A A A A A A A
A-CS-M7620-C-12	1		KA650 SYS FUNCT. CNTRL STATE MACH.	A A A A A A A A A
A-CS-M7620-C-13	1		KA650 SYS FUNCT. CACHESTB STATE	A A A A A A A A A
A-CS-M7620-C-14	1		KA650 SYS FUNCT. DSCONTINUE STATE	A A A A A A A A A
K-CS-M7620-C-16	1		KA650 SYS FUNCT. CONTROL FLOW DIAG	A A A A A A A A A
A-CS-M7620-C-17	1		KA650 SYS FUNCT. CONTROL FLOW DIAG	A A A A A A A A A

TITLE	SIZE	CODE	DOCUMENT NUMBER	REV

DRAWING NO.	NO.SHTS	PART NO.	DESCRIPTION	REVISIONS									
A-CS-M7620-C-18	1		KA650 SYS FUNCT. CONTRL STATE DIAG			A	A	A	A	A	A	A	A
A-CS-M7620-C-19	1		KA650 SYS FUNCT. CLOCK SUBSYSTEM			A	A	A	A	A	A	A	A
K-CS-M7620-C-20	1		KA650 SYS FUNCT. SYS SUPPORT FUNCT			A	A	A	A	A	A	A	A
A-CS-M7620-C-21	1		KA650 SYS FUNCT. BOOT/DIAGNOSTIC			A	A	A	A	A	A	A	A
K-CS-M7620-C-22	1		CPU/FPA SUBSYSTEM CLOCK SUBSYSTEM			A	A	A	A	A	A	A	A
K-CS-M7620-C-23	1		MEMORY CONTROLLER SUBSYSTEM			A	A	A	A	A	A	A	A
K-CS-M7620-C-24	1		Q22-BUS INTERFACE SUBSYSTEM			A	A	A	A	A	A	A	A
K-CS-M7620-C-25	1		ADDRESS LATCH SUBSYSTEM			A	A	A	A	A	A	A	B
K-CS-M7620-C-26	1		CDAL TO BCDAL BUFFER SUBSYSTEM			A	A	A	A	A	A	A	A
K-CS-M7620-C-27	1		DATA STORE RAMS CACHE SUBSYSTEM			A	A	A	A	A	A	A	A
K-CS-M7620-C-28	1		DATA STORE TRANSCEIVERS CACHE			A	A	A	A	A	A	A	A
A-CS-M7620-C-29	1		TAG STORE 2ND LEVEL CACHE SUBSYS.			A	A	A	A	A	A	A	A
A-CS-M7620-C-30	1		CONTROL STAGE MACHINE CACHE SUBSYS			A	A	A	A	A	A	A	A
A-CS-M7620-C-31	1		CACHE CONTROL REG. 2ND LEVEL CACHE			A	A	A	A	A	A	A	A
K-CS-M7620-C-32	1		SYSTEM SUPPORT FUNCTIONS			A	A	A	A	A	A	A	A
K-CS-M7620-C-34	1		BOOT AND DIAGNOSTIC ROMS			A	A	A	A	A	A	A	A
A-CS-M7620-C-35	1		BYPASS CAPACITORS			A	A	A	A	A	A	A	A
K-CS-M7620-C-36	1		CPU, FPU FOOTPRINT			A	A	A	A	A	A	A	A
A-CS-M7620-C-37	1		CMCTL FOOTPRINT			A	A	A	A	A	A	A	A
A-CS-M7620-C-38	1		CQBIC FOOTPRINT			A	A	A	A	A	A	A	A
K-CS-M7620-C-39	1		SSC, CLK FOOTPRINT			A	A	A	A	A	A	A	A
A-CS-M7620-C-40	1		SSC, CLK FOOTPRINT			A	A	A	A	A	A	A	A
A		5017073-01	ETCHED CIRCUIT BOARD	K1	K1	K1	K1	K1	K1	K1	K1	K1	K1
K-DD-5017073-0-0	1		DRAWING DIRECTORY	A	B	B	B	B	B	B	B	B	B

										TITLE	SIZE	CODE	DOCUMENT NUMBER	REV

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REWORK INSTRUCTION (ECO* M7620-ML001)
COMPONENT SIDE 1 (AS SHOWN)
O-1 ADD (P/N 1117166-00) D9 PIN 1 TO R5 PIN 2 AND D9 PIN 2 TO R5 PIN 1.

COMPONENT SIDE VIEW

J3 J2 J1 C78 C82 C74 E65 E44 E32 E39 E2 E1 Y1 Y2 Y3 D8 D9 Q1 Q2 C16 C6 O-1

NOTES:
R47, W3, A6 AND C6 ARE NOT INSTALLED.

STEP E	↑ Y AXIS ____ STEP ___ TIMES
REPEAT	→ X AXIS ____ STEP ___ TIMES

CHG	CHANGE NO	REV
INIT	M620-0SS01	A
		B

ETCH REV. K1

SIGNATURES	DATE
DRN. R. KIMBALL	
CHK D.	
MECH.ENG.	
PROJ.ENG.	
PROD.	
SCALE 2/1	
SHT. 1 OF 5	
NEXT HIGHER ASSY. K-DD-M7620-0-0	

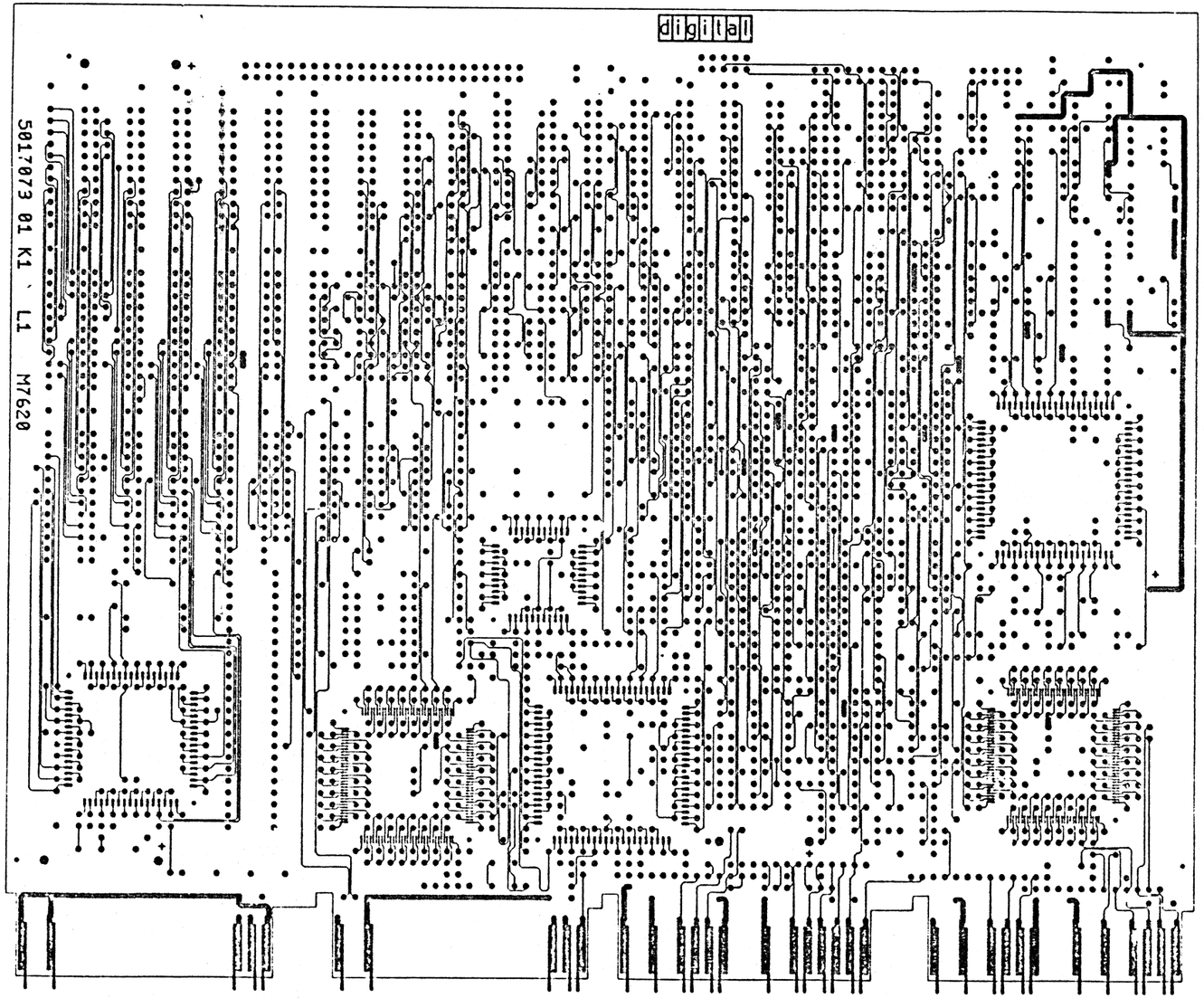
digital

TITLE
KA650

SIZE	CODE	NUMBER	REV
D	UA	M7620-0-0	B

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VIEW FROM SIDE 1



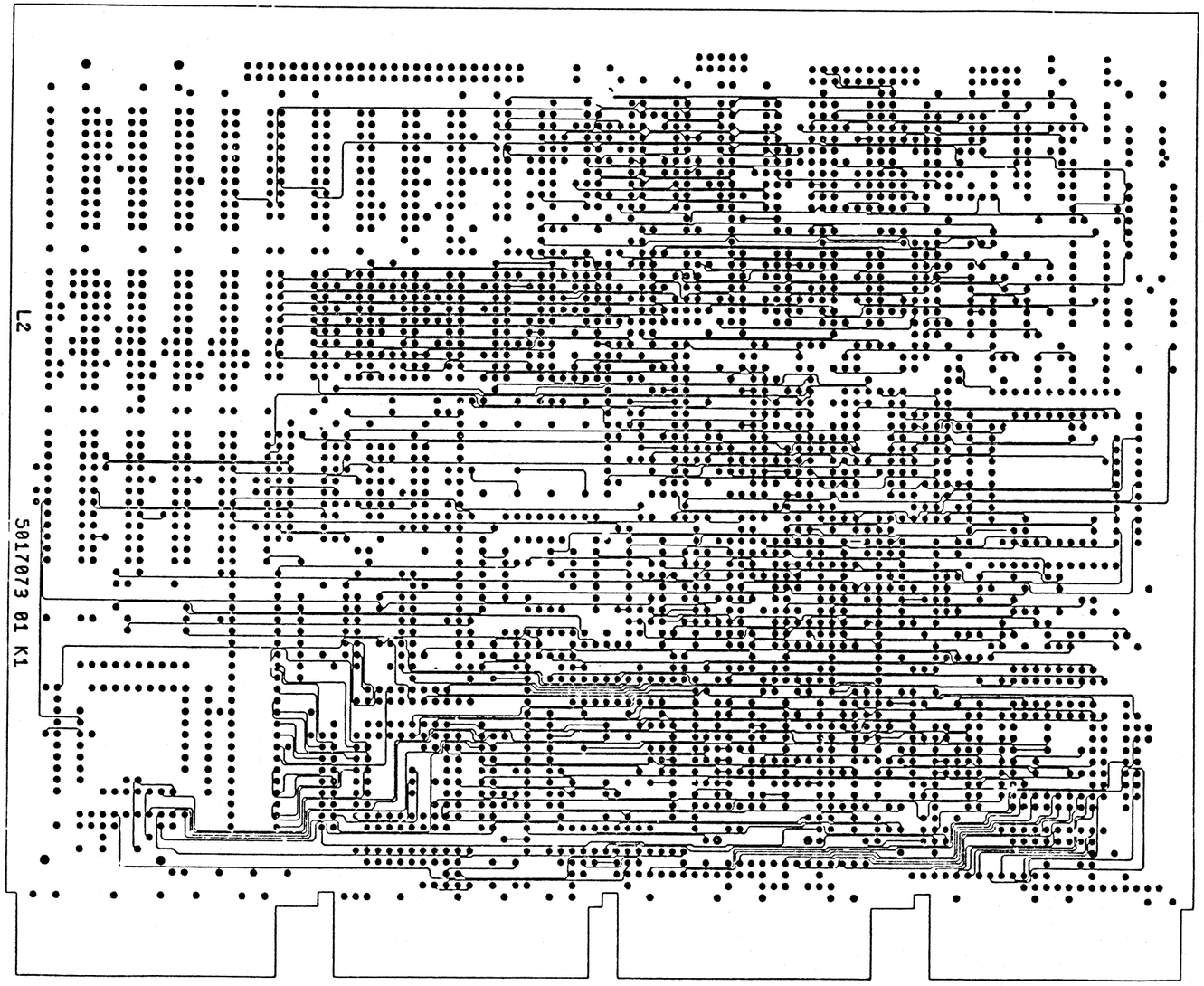
REVISION HISTORY		
DATE	ECO NUMBER	REV

TITLE	SIZE	CODE	DOCUMENT NUMBER	REV
KA650	D	JA	M7620-0-0	B
	SCALE		SHEET 2 OF 5	

M7620-0-0 B

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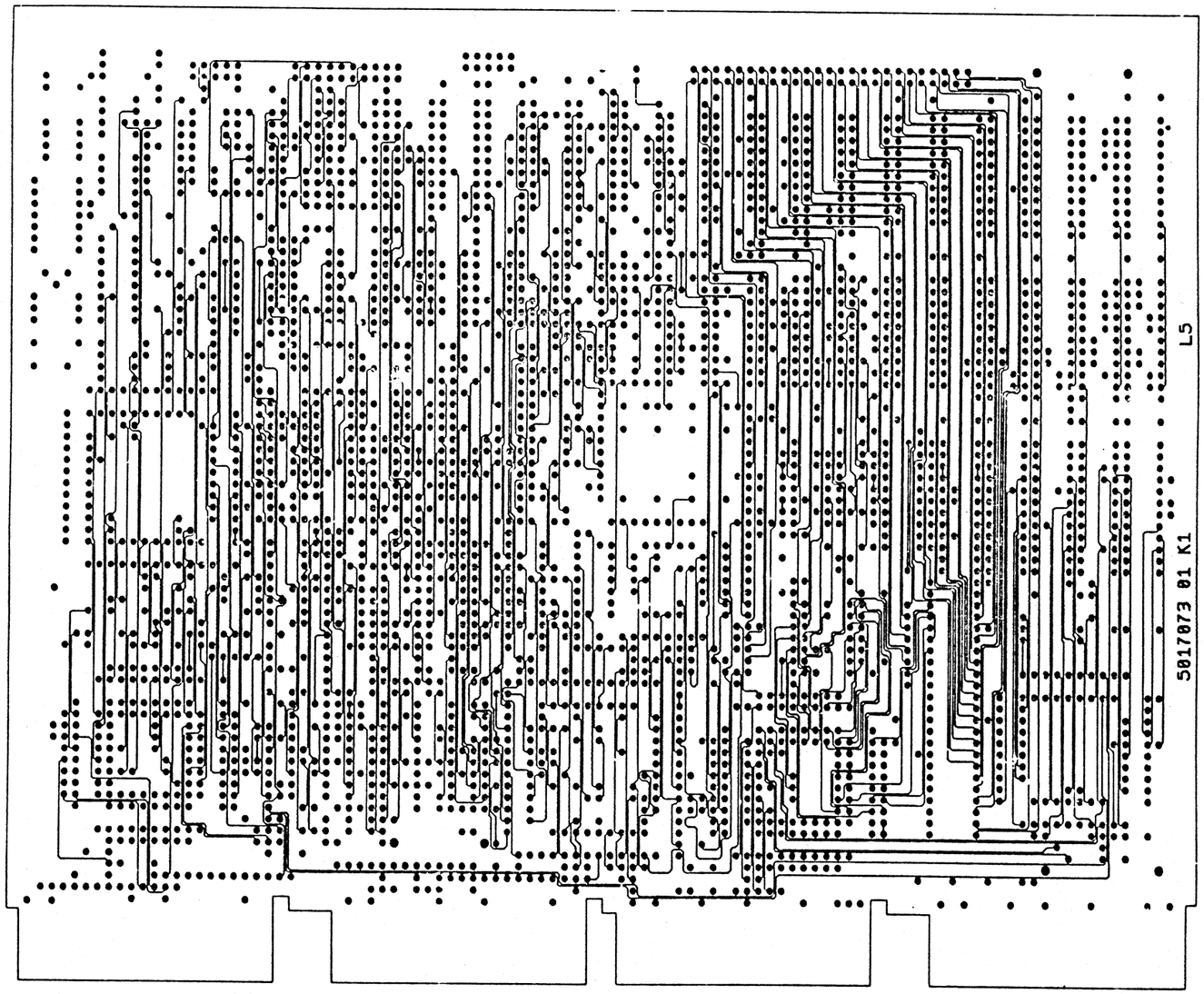
VIEW FROM SIDE 1



REVISION HISTORY		
DATE	ECO NUMBER	REV

TITLE	SIZE	CODE	DOCUMENT NUMBER	REV
KA650	D	04	M7620-0-0	E
	SCALE 2:1		SHEET 3 OF 5	

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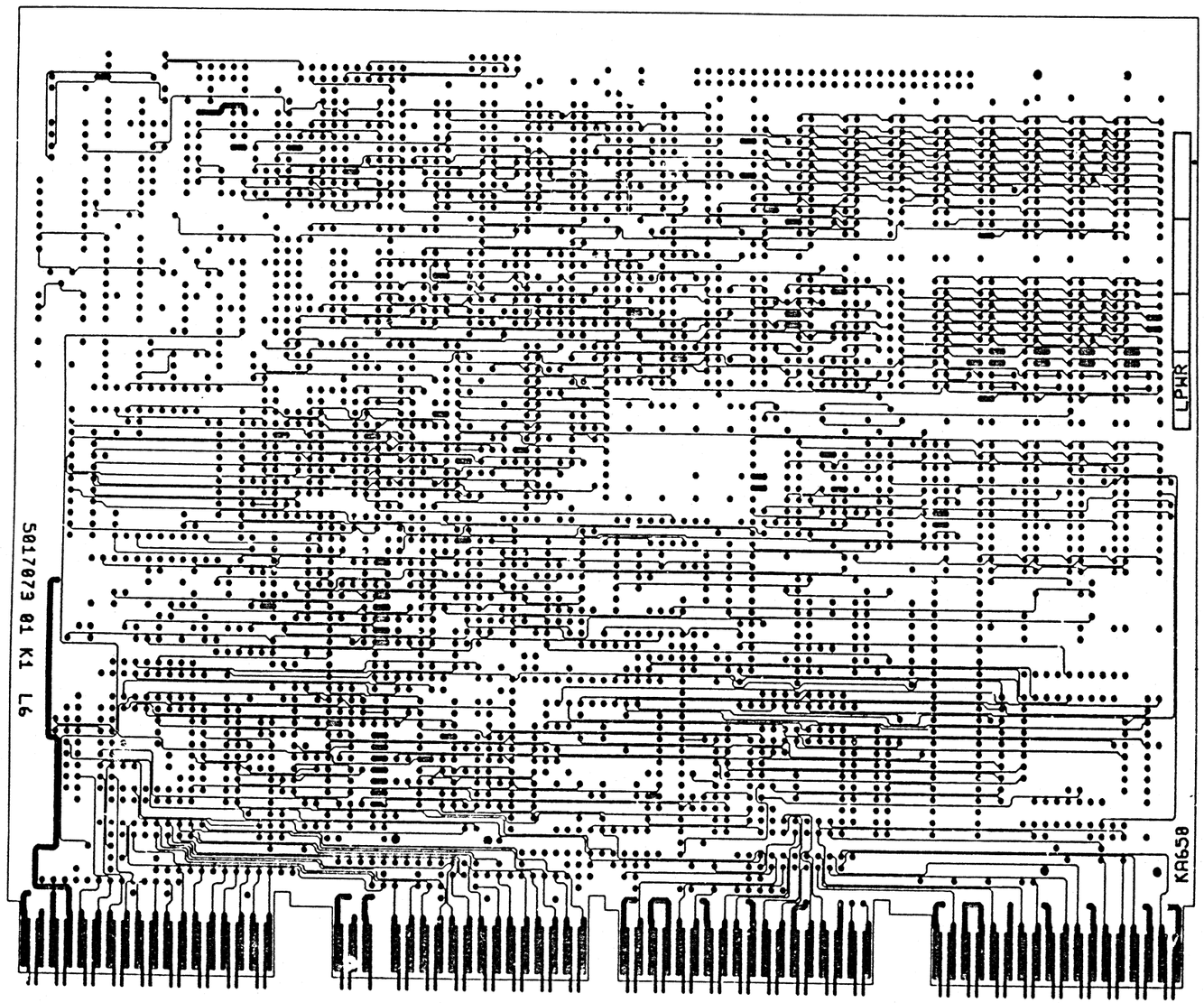


REVISION HISTORY

DATE	ECO NUMBER	REV

TITLE	SIZE	CODE	DOCUMENT NUMBER	REV
KA650	D	UA	M7620-0-0	B
	SCALE 2/1		SHEET 4 OF 5	

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50170730 01 K1 L6

REVISION HISTORY		
DATE	ECO NUMBER	REV

TITLE	DOCUMENT NUMBER			
	SIZE	CODE	NUMBER	REV
KA650	D	UA	M7820-0-0	B
	SCALE 2/1		SHEET 5 OF --	

DRD 138A

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VAR/REV AA K03	QTY PER VAR/REV BA K03	REFERENCE DESIGNATORS
1	1	K-DD-5017073-0-0	50-17073-01	A	CIRCUIT DRILL AND ETCH BOARD	1	1	
2	2		10-01610-00		0.010MFD 50V +80/-20% Z5U C	13	13	C13,C15,C24,C26,C27,C34,C36,
								CONT C42,C54,C58,C65,C69,C73
3	3		10-10274-02		1.0 MFD 50V +80/-20% Z5U C	1	1	C5
4	4		10-10279-01		0.47 MFD 25V +/-20% Z5U C	5	5	C3,C9,C10,C17,C18
5	5		10-13466-05		56 PFD 50V +/- 5% NP0 C	1	1	C11
6	6		10-13466-07		220 PFD 50V +/- 5% NP0 C	1	1	C20
7	7	SEE NOTE 4	10-14265-02		0.33 MFD 50V +80/-20% Z5U C	55	55	C1,C4,C7,C8,C12,C14,C19,
								CONT C21-C23,C25,C28-C33,C35,
								CONT C37-C41,C43-C53,C55-C57,
								CONT C59-C64,C66-C68,C72,C74-C81
8	8		10-17472-00		10 MFD 35V +75/-10% 85	2	2	C6,C16
9	9		10-20446-05		22 MFD 16V +50/-20% 85	2	2	C70,C71
10	10		10-20446-07		100 MFD 16V +50/-20% 85	1	1	C82
11	11		11-03441-00		VZ= 8.2 5% 400 MW 1N756A	1	1	D3
12	12		11-05275-00		PIV= 60 IO=300 MA -15NS	3	3	D4-D6
13	13		11-14117-00		PIV= 40 IO= 75 A -4NS 1N4152	2	2	D1,D2
14	14		11-14136-02		LED 6.7MA 5V .2MCD GREEN	1	1	D7
15	15		11-20964-01		LED ASSY 4 RED 5V 8MA	1	1	D8
16	16		12-10929-02		FUSE PICO 1.0 A 125V AXIAL LEA	2	2	F1,F2
17	17		12-13113-03		HANDLE,MODULE	1	1	
18	18		12-13506-04		PCB HEADER 09PIN(2X05).100CC 90D	1	1	J1
19	19		12-13506-10		PCB HEADER 20PIN(2X10).100CC 90D	1	1	J2
20	20		12-21545-03		PCB HEADER 50PIN(2X25).100CC 90D	1	1	J3
21	21		12-15006-17		SKT,IC 28PIN DIP TIN SOLD	2	2	XE26,XE33
22	22		13-00197-00		33.0 .25 W 5.0 % CF	2	2	R50,R51
23	23		13-00202-00		47.0 .25 W 5.0 % CF	59	59	R2,R10,R13,R14,R30-R32,R36-R38,
								CONT R40,R42,R43,R45,R46,R48,R52,
								CONT R53,R55-R60,R65-R70,R72-R99,
								CONT R102

REVISION HISTORY

ENG	ECO NUMBER	REV
---	INITIAL	A
CD	M7620-ML001	B
JK	M7620-CTS002	C
JK	M7620-CTS003	D
JA	M7620-CTS004	E
JA	M7620-CTS005	F
JA	M7620-CTS006	H
MP	M7620-CTS007	J
MP	M7620-CTS008	K
MP	M7620-CTS009	L
MP	M7620-BXC010	M

KPL MODULE FORMAT | SECTION A OF A

SECTION/VARIATION INDEX

[A] AA,BA	[M]	
[B]	[N]	
[C]	[P]	
[D]	[Q]	
[E]	[R]	
[F]	[S]	
[H]	[T]	
[J]	[V]	
[K]	[W]	
[L]	[Y]	

DRN: J. CUNNINGHAM
DATE: 11-FEB-87

CHK'D: B. DITOMMASO
DATE: 23-MAR-87

DES.ENG: C. DEVANE
DATE: 23-MAR-87

RESP.ENG.: C. DEVANE
DATE: 17-SEP-87

MFG.ENG: K. RYAN
DATE: 17-SEP-87

D I G I T A

TITLE PARTS LIST
KA650

DOCUMENT NUMBER

SIZE	CODE	NUMBER	REV
K	PL	M7620-0-DBP	M

RELEASE DATE: 23-OCT-89
RELEASE STATUS: RELEASED

BASIC PART NUMBER: M7620

ASSEMBLY NUMBER: D-UA-M7620-0-0

TOP DOCUMENT NUMBER: K-DD-M7620-0-0

EDIT # 2

FILE NAME: MLA0178M.PLS

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LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VAR/REV AA K03	BA K03	REFERENCE DESIGNATORS
24	24		13-00219-00		68.0 .25 W 5.0 % CF	2	2	R33,R34
25	25		13-00271-00		220.0 .25 W 5.0 % CF	9	9	R18-R20,R61,R62,R71,R100,R103, CONT R104
26	26		13-00365-00		1.0 K .25 W 5.0 % CF	4	4	R1,R12,R21,R29
27	27		13-00447-00		4.70 K .25 W 5.0 % CF	3	3	R7,R27,R28
28	28		13-00479-00		10.0 K .25 W 5.0 % CF	4	4	R4,R15-R17
29	29		13-01317-00		10.0 .25 W 5.0 % CF	1	1	R49
30	30		13-01522-00		27.0 .25 W 5.0 % CF	4	4	R39,R54,R63,R64
31	31		13-01808-00		22.0 K .25 W 5.0 % CF	1	1	R25
32	32		13-01969-00		22.0 .25 W 5.0 % CF	2	2	R41,R101
33	33		13-02377-00		39.0 .25 W 5.0 % CF	1	1	R9
34	34		13-02751-00		30.0 .25 W 5.0 % CF	1	1	R44
35	35		13-04837-00		24.0 K .25 W 5.0 % CF	1	1	R6
36	36		13-05128-00		5.62 K .25 W 1.0 % RN55D-F10	1	1	R8
37	37		13-13469-00		240.0 .25 W 5.0 % CF	3	3	R3,R5,R26
38	38		13-16395-00		R. NET 4.7K- 9 2.0	7	7	Z3,Z4,Z6-Z10
39	39		13-16395-02		R. NET 1.0K- 9 2.0	2	2	Z5,Z13
40	40		13-18110-00		R. NET 330.0 -11 680.0 -11 5.0	4	4	Z1,Z2,Z11,Z12
41	41		13-18247-00		510.0 .25 W 5.0 % CF	1	1	R35
42	42		13-19610-01		750.0 K .25 W 0.1 % RN55E-B 2	1	1	R24
43	43		13-19645-01		487.0 K .25 W 0.1 % RN55E-B 2	1	1	R23
44	44		15-10705-00		XA 05 NPN 500MW SI 60 50 P	1	1	Q1
45	45		18-28789-01		OSCILLATOR, XTAL 44.4444 MHZ	1	1	Y3
46	46		18-28789-02		OSCILLATOR, XTAL 40.00 MHZ	1	1	Y2
47	47	SEE NOTE 7	18-28790-02		OSCILLATOR, XTAL 25.6 KHZ	1	1	Y1
48	48		19-13777-B0		LS240 BURNED-IN DRIVER,LIN	2	2	E13,E17
49	49		19-14140-B1		211P BURNED-IN VOLT COMPR	1	1	E6
50	50		19-14451-B0		LS393 BURNED-IN COUNTER,BI	1	1	E5
51	51		19-15415-B0		9636 BURNED-IN DRIVER,DUA	1	1	E8
52	52		19-16028-B1		9643 BURNED-IN DRIVER,TTL	1	1	E4
53	53		19-18868-B0		LS26 NAND GATE,2-IN,HIGH	1	1	E7
54	54		19-19542-B1		9639 RECEIVER,LINE,DUAL,P	1	1	E3
55	55		19-19684-01		*** THIS ITEM IS NOT USED ***	-	-	
56	56		19-20441-B1		74F245 TRANSCEIVER,BI-DIREC	4	4	E9,E15,E18,E19
57	57		19-20442-B1		74F374 FF-D,OCTAL,TRI-STATE	1	1	E41
58	58		19-20572-B1		74F244 BUFFER/LINE DRIVER,O	4	4	E11,E25,E42,E54
59	59		19-21008-B1		74F240 BUFFER/LINE DRIVER,O	2	2	E20,E45
60	60		19-21010-B1		74F373 OCTAL TRANSPARENT LA	4	4	E24,E29,E36,E56
61	61		19-21305-B1		74F00 NAND GATE,QUAD,2-IN,	1	1	E37
62	62		19-21306-B1		74F02 NOR GATE,QUAD,2-IN,B	1	1	E21
63	63		19-21307-B1		74F04 HEX INVERTER,BURNED	1	1	E16
64	64		19-21313-B1		74F64 AND OR INVERT GATE,4	2	2	E12,E27
65	65		19-21314-B1		74F74 FF-D,DUAL,BURNED-IN	2	2	E30,E34
66	66		19-21315-B1		74F86 EXCLUSIVE OR GATE,QU	2	2	E46,E53
67	67		19-21323-B1		74F174 FF-D,HEX,BURNED-IN	2	2	E10,E43
68	68		19-21330-B1		74F257 MUX,QUAD,2-IN,BURNED	1	1	E47
69	69		19-21332-B2		74F280A PARITY GEN/CHECK,9-B	2	2	E40,E50
70	70		19-21417-B1		74F521 COMPARATOR,IDENTITY,	2	2	E48,E51
71	71		19-22481-B1		74F544 OCTAL REG TRANSCEIVE	5	5	E59,E62,E66,E69,E72
72	72		21-18054-07		*** THIS ITEM IS NOT USED ***	-	-	

DIGITAL	TITLE	SECTION A OF A
	KA650	

SIZE	CODE	DOCUMENT NUMBER	REV
K	PL	M7620-0-DBP	M

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VAR/REV AA K03	QTY PER VAR/REV BA K03	REFERENCE DESIGNATORS
73	73	SEE NOTE 8	21-24673-01		DC509 CVAX CLOCK CHIP	1	1	E39
74	74		21-24674-09		*** THIS ITEM IS NOT USED ***	-	-	
75	75		21-24942-01		*** THIS ITEM IS NOT USED ***	-	-	
76	76		21-25091-01		DC357 MEMORY CONTROLLER CVAX	1	1	E44
77	77		21-25972-01		*** THIS ITEM IS NOT USED ***	-	-	
78	78		21-26266-04		*** THIS ITEM IS NOT USED ***	-	-	
79	79	SEE NOTE 2	21-26604-02		DC513 CFPA CMOS FPU 90NS	1	1	E65
80	80		23-55E7 -00		*** THIS ITEM IS NOT USED ***	-	-	
81	81		23-56E7 -00		*** THIS ITEM IS NOT USED ***	-	-	
82	82		23-379J5-00		J5-07 PAL	1	1	E23
83	83		23-37E7 -00		*** THIS ITEM IS NOT USED ***	-	-	
84	84		23-380J5-00		J5-07 PAL	1	1	E28
85	85		23-381J5-00		J5-07 PAL	1	1	E31
86	86		23-382J5-00		J5-07 PAL	1	1	E35
87	87		23-383J5-00		J5-07 PAL	1	1	E38
88	88		23-384J5-00		J5-07 PAL	1	1	E22
89	89		23-385J5-00		J5-07 PAL	1	1	E14
90	90		23-38E7 -00		*** THIS ITEM IS NOT USED ***	-	-	
91	91		90-00024-01		EYELET,ROLLED 0.1210DX0.192	4	4	
92	92		90-09185-00		JUMPER, WIRE, INSULATED, BLACK B	2	2	W1,W5
93	93		99-07004-06		CARTON,DIE CUT,B,200PSI W/ARTWOR	1	1	
94	94		99-07025-06		BAG,ANTISTATIC BUBBLE	1	1	
95	95		99-07092-04		BAG,TRANSLUCENT,ESD PROTECTIVE	1	1	
96	96		19-19684-B1		385BZ PREC VOLT REF PRECON	1	1	Q2
97	97		21-24942-02		*** THIS ITEM IS NOT USED ***	-	-	
98	98		23-70E7 -00		*** THIS ITEM IS NOT USED ***	-	-	
99	99		23-71E7 -00		*** THIS ITEM IS NOT USED ***	-	-	
100	100		23-68E7 -00		*** THIS ITEM IS NOT USED ***	-	-	
101	101		23-69E7 -00		*** THIS ITEM IS NOT USED ***	-	-	
102	102		11-17166-00		PIV= 20 IO= 1.00A DO-35	1	1	D9
103	103		21-24674-11		*** THIS ITEM IS NOT USED ***	-	-	
104	104	SEE NOTE 10	21-24942-03	A	DC511 MICROVAX SYSTEM SUPPORT CH	1	1	E2
105	105	SEE NOTE 6	21-24674-13		DC341 CVAX 90 NS W/ POLYX INSTR	1	1	E32
106	106				*** THIS ITEM IS NOT USED ***	-	-	
107	107				*** THIS ITEM IS NOT USED ***	-	-	
108	108				*** THIS ITEM IS NOT USED ***	-	-	
109	109				*** THIS ITEM IS NOT USED ***	-	-	
110	110		21-26266-06		RAM,STATIC 16KX4 35N	11	11	E49,E52,E55,E63,E64,E67,E68, CONT E70,E71,E73,E74
111	111		23-194E7-00		E7-01 U	-	1	E33
112	112		23-195E7-00		E7-01 U	-	1	E26
113	113		23-192E7-00		E7-01 U	1	-	E33
114	114		23-193E7-00		E7-01 U	1	-	E26
115	115		21-25972-02		DC527 BUS CONTROLLER INTER	1	1	E1
116	116	SEE NOTE 9	21-18054-08		16K MOS RAM 35NS	4	4	E57,E58,E60,E61

2 GEN: THE -03,-06,-07 AND -04 VARIATIONS OF PART# 21-26604-02 MAY BE USED IN PLACE OF THE -02 VARIATION ITEM # 79.
4 GEN: 10-29563-01 MAY BE USED IN PLACE OF ITEM #7, 10-14265-02.

LINE ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QTY PER VAR/REV AA K03	QTY PER VAR/REV BA K03	REFERENCE DESIGNATORS

5 GEN: PREVIOUS REV DOCUMENTATION WAS FOR FIELD SERVICE
6 GEN: THE -14,-15 AND -16 VARIATIONS OF 21-24674 MAY BE USED IN PLACE OF THE -13 VARIATION ITEM #105.
7 GEN: 18-18800-03 MAY BE USED IN PLACE OF 18-28790-02 1N ITEM 47.
8 GEN: THE -02 VARIATION OF 21-24673 MAY BE USED IN PLACE OF THE -01 VARIATION ITEM #73.
9 GEN: THE -08 VAR. OF 21-18054 ITEM 116 MAY BE USED IN PLACE OF -07 VAR., WHICH WAS BEING SCREENED TO MEET SPEC.
10 GEN: 02 VAR. OF 21-24942-00 ITEM 104 MAY BE USED IN PLACE OF C^.,AS LONG AS D9(11-17166-00)IS IN PLACE ACROSS R5(13-13469-00).

DIGITAL	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
	KA650		K	PL	M7620-0-DBP	M

TITLE: CABLE ASSEMBLY, 18 AWG, W/FEMALE FAN CONNECTORS, 5 POSITION KEYED FEMALE CONNECTOR

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Default Tolerances:
Unless otherwise specified, dimensions are in inches. Fractional inch tolerance is ±1/64. Decimal inch tolerances are: three place ±0.005, two place ±0.02, one place ±0.1. Angle Tolerance is ±0°30'.

Approved Vendor:
Approved vendors are designated in Digital's Qualified Vendor Listing.

Document Approvals and Date:

Design Engineer	Component Engineer	Writer	Release Date
M. Serating	M. Griffith	K. Gagne	15 SEP 86

Document Revision History:

Approval Name	ECO No.	Doc. Rev	Approval Date
R. Yedavalli	00001B	B	25 NOV 87
R. DiSalvo	00002	C	21 JUN 90
M. Griffith	00003	D	13 AUG 90

DIGITAL PART NUMBER	REV	DIGITAL PART NUMBER	REV	DIGITAL PART NUMBER	REV
17-01360-01	B01	17-01360-02	A01	17-01360-03	INA

1. GENERAL DESCRIPTION:

This specification defines the detail requirements of an 18 AWG, cable assembly, with two female fan connectors, and one single row keyed female connector with locking ramp.

2. APPLICABLE DOCUMENTS (Per latest revision on date of order):

Digital Equipment Corporation (Digital)

A-PS-1210283-0-0	Plug-Cord Assembly
A-PS-1225786-0-0	Contact, Crimp, High Force, Female
A-PS-1226013-0-0	Housing, Connector, Female, Single Row, With Locking Ramp
A-PS-3616073-0-0	Label, Identification

Underwriters' Laboratories, Inc

UL-STD-94	Tests For Flammability of Plastic Materials for Parts in Devices and Appliances

Canadian Standards Association

C22.2 No. 154	Data Processing Equipment

3. REQUIREMENTS:

3.1 Mechanical:

3.1.1 Material/Finish:

3.1.1.1 Jacket: Polyvinyl chloride (PVC), color black.

3.1.1.2 Female Fan Connector with Cord (J1 and J2): Per 12-10283-00 of A-PS-1210283-0-0.

3.1.1.3 Female Connector W/Locking Ramp (J3):

A. Housing: Per 12-26013-05 of A-PS-1226013-0-0.

B. Female Crimp Contacts: Per 12-25786-01 of A-PS-1225786-0-0.

3.1.2 Cable Construction: Per 12-10283-00 of A-PS-1210283-0-0. In addition, the individual cables are covered with an external jacket, as shown in Figure 1.

3.1.3 Configuration/Dimensions: Per Figure 1.

3.1.4 Wiring: Per Table I.

3.1.5 Item Identification: Per Table II.

3.2 Electrical: Voltage Rating; 300 VRMS

3.3 Environmental Temperature Rating: +85°C.

3.4 Laboratory Approvals/Flammability:

3.4.1 Laboratory Approvals: All subcontracted items shall be UL recognized per UL Guide ZPFW2. In addition, all subcontracted items shall be assembled by a UL certified (per UL subject 764) wire harness manufacturer.

A person (within Digital) authorized by CSA shall examine all subcontracted items for CSA requirements in the intended application.

3.4.2 Flammability: Plastic material used in the construction of this item shall be rated V-2 or better, per UL-STD-94, and CSA Standard C22.2 No. 154, CL.6.10.4.

3.5 Marking:

3.5.1 Female Fan Connector W/Cord (J1 and J2): Per 12-10283-00 of A-PS-1210283-0-0.

3.5.2 Female Connector W/Locking Ramp (J3): Per 12-26013-05 of A-PS-1226013-0-0.

3.5.3 Cable Assembly: Shall be individually labled with 36-16073-00 of A-PS-3616073-0-0 and in accordance with UL subject 764, as agreed to between the manufacture and UL.

3.6 Workmanship: Item shall be uniform in quality and be free from defects that adversely affect life, serviceability, performance, or appearance.

3.7 Packaging and Shipping: The item shall be properly packaged to prevent damage in handling, transit, and storage. Minimum marking data on container shall include the vendor name or symbol, vendor part number, Digital Equipment Corporation part number, Digital Part Revision, Purchase Order number and quantity.

4. QUALITY ASSURANCE PROVISIONS:

4.1 Approval: Items submitted shall have been initially approved by Digital Equipment Corporation. Approval shall be given only after samples representative of the vendors normal production run have been examined, tested and found to meet the requirements of this specification.

4.2 Construction Changes: Approved vendors who desire at any time to make a change in the design, materials, process control which impact any requirement, shall submit a written request describing in detail the changes requested. Also evidence to justify such changes. The user will then submit this request to the proper Engineering Department and Component Engineering Group for consideration. No changes shall be incorporated until written approval has been received from the group or groups authorized by the user.

Failure to comply, shall be sufficient cause for removal as "Qualified Source" with complete requalification required before product is deemed acceptable.

TABLE I

WIRING

FROM CONN	TO CONN
J1-1	J3-3
J1-2	J3-1
J2-1	J3-5
J2-2	J3-4

TABLE II

ITEM IDENTIFICATION

DIGITAL PART NUMBER	DIMENSIONS	
	A	B
17-01360-01	18.00	24.00
17-01360-02	42.00	48.00
17-01360-03	INACTIVATE REPLACED BY 17-01360-02	

NOTE: RIBBED SIDE OD ZIP CORD FROM J1-2 TO J3-1 AND J2-2 TO J3-4.

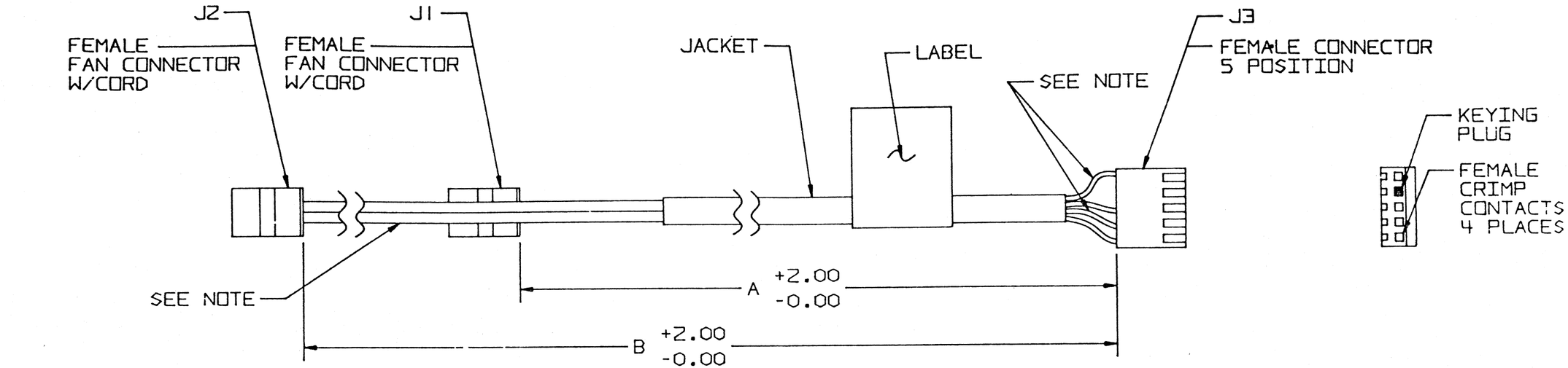


FIGURE 1
CONFIGURATION/DIMENSIONS

LAYER 1/B
PLOT AT 1.000
08/01/90 PJB, JJC

SIZE	CODE	DOCUMENT NUMBER	REV.
B	PS	1701360-0-0	D
PAGE		7 OF 7	

digital
DIGITAL EQUIPMENT CORPORATION

PURCHASE SPECIFICATIONS

TITLE: CABLE ASSEMBLY, FLAT, 28 AWG, 50 CONDUCTOR, IDC POLARIZED CONNECTORS

Proprietary Information:
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Default Tolerances:
Unless otherwise specified, dimensions are in inches. Fractional inch tolerance is ±1/64. Decimal inch tolerances are: three place ±0.005, two place ±0.02, one place ±0.1. Angle Tolerance is ±0° 30'.

Approved Vendor:
Approved vendors are designated in Digital's Qualified Vendor Listing.

Document Approvals and Date:

Design Engineer	Component Engineer	Writer	Release Date
M. Collins	J. Dwyer	K. Gagne	13 JAN 88

Document Revision History:

Approval Name	ECO No.	Doc. Rev	Approval Date

DOCUMENT NUMBER			
SIZE	CODE	NUMBER	REV.
A	PS	1701898-0-0	A
PAGE 1 OF 9			

digital
DIGITAL EQUIPMENT CORPORATION

PURCHASE SPECIFICATIONS

DIGITAL PART NUMBER	REV	DIGITAL PART NUMBER	REV	DIGITAL PART NUMBER	REV	DIGITAL PART NUMBER	REV
17-01898-01	A01	17-01898-02	A01	17-01898-03	A01	17-01898-04	A01

1. GENERAL DESCRIPTION:

This specification defines the detail requirements for a 50 conductor, 28 AWG stranded ribbon cable with multiple IDC type polarized female connectors.

2. APPLICABLE DOCUMENTS (Per latest revision on date of order):

Digital Equipment Corporation (Digital)

A-PS-1218562-0-0 Tab, Pull, Plastic

A-PS-1223995-0-0 Connector, Polarized, Center, With Strain Relief

A-PS-1701037-0-0 Cable Ribbon, Flat, 50 Conductor

A-PS-3616073-0-0 Label, Identification

Underwriters' Laboratories, Inc.

UL-STD-94 Tests for Flammability of Plastic Materials for Parts in Devices and Appliances

Canadian Standards Association (CSA)

C22.2 No. 154 Data Processing Equipment

3. REQUIREMENTS:

3.1 Mechanical:

3.1.1 Material and Finish:

3.1.1.1 Cable: Per 17-01037-01 of A-PS-1701037-0-0.

3.1.1.2 Female IDC Type Polarized Connectors (J1 thru J5): Per 12-23995-05 of A-PS-1223995-0-0.

DOCUMENT NUMBER			
SIZE	CODE	NUMBER	REV.
A	PS	1701898-0-0	A
PAGE 2 OF 9			

digital
DIGITAL EQUIPMENT CORPORATION

PURCHASE SPECIFICATIONS

3.5 Marking: Cable assembly shall be individually labeled per 36-16073-00 of A-PS-3616073-0-0. In addition, cable shall be marked in accordance with UL subject 764, as agreed to between the manufacture and Underwriters Laboratories.

3.6 Workmanship: Item shall be uniform in quality and be free from defects that adversely affect life, serviceability, performance, or appearance.

3.7 Packaging and Shipping: Item shall be properly packaged to prevent damage in handling, transit, and storage. Minimum marking data on container shall include vendor name or symbol, vendor part number, Digital Equipment Corporation part number, Purchase Order number and quantity.

4. QUALITY ASSURANCE PROVISIONS:

4.1 Approval: Items submitted shall have been initially approved by Digital Equipment Corporation. Approval shall be given only after samples representative of the vendors normal production run have been examined, tested and found to meet the requirements of this specification.

4.2 Construction Changes: Approved vendors who desire at any time to make a change in the design, materials, process control which impact any requirement, shall submit a written request describing in detail the changes requested. Also evidence to justify such changes. The user will then submit this request to the proper Engineering Department and Component Engineering Group for consideration. No changes shall be incorporated until written approval has been received from the group or groups authorized by the user.

Failure to comply, shall be sufficient cause for removal as "Qualified Source" with complete requalification required before product is deemed acceptable.

DOCUMENT NUMBER			
SIZE	CODE	NUMBER	REV.
A	PS	1701898-0-0	A
PAGE 4 OF 9			

digital
DIGITAL EQUIPMENT CORPORATION

PURCHASE SPECIFICATIONS

3.1.2 Cable Construction: Per 17-01037-01 of A-PS-1701037-0-0.

3.1.3 Number of Conductors: 50

3.1.4 Number of Positions/Contacts (J1 thru J5): 50

3.1.5 Cable Retention: When a pull force of 10 pounds is applied in any direction, from 0° to 45° normal, for 1 minute, there shall be no evidence of damage to the conductors.

3.1.6 Configuration/Dimensions: Per Table I.

3.1.7 Wiring: All variations shall be wired position 1 to position 1.

3.2 Electrical:

3.2.1 Assembly Voltage Rating: 150 Volts DC maximum.

3.2.2 Dielectric Withstanding Voltage: Cable assembly shall withstand 1000 volts DC for 3 seconds.

3.2.3 Intermittent, Shorting and Continuity Test: Shall be performed on complete assembly at 12 volts, 0.5 amps and on 100% of the product.

3.3 Environmental:

3.3.1 Operating Temperature: 0°C to 60°C.

3.3.2 Storage Temperature: -40°C to +80°C.

3.4 Laboratory Approvals/Flammability:

3.4.1 Laboratory Approvals: All subcontracted items shall be UL recognized per UL Guide ZPFW2. In addition, all subcontracted items shall be assembled by a UL certified (per UL subject 764) wire harness manufacturer.

A person (within Digital) authorized by CSA shall examine all subcontracted items for CSA requirements in the intended application.

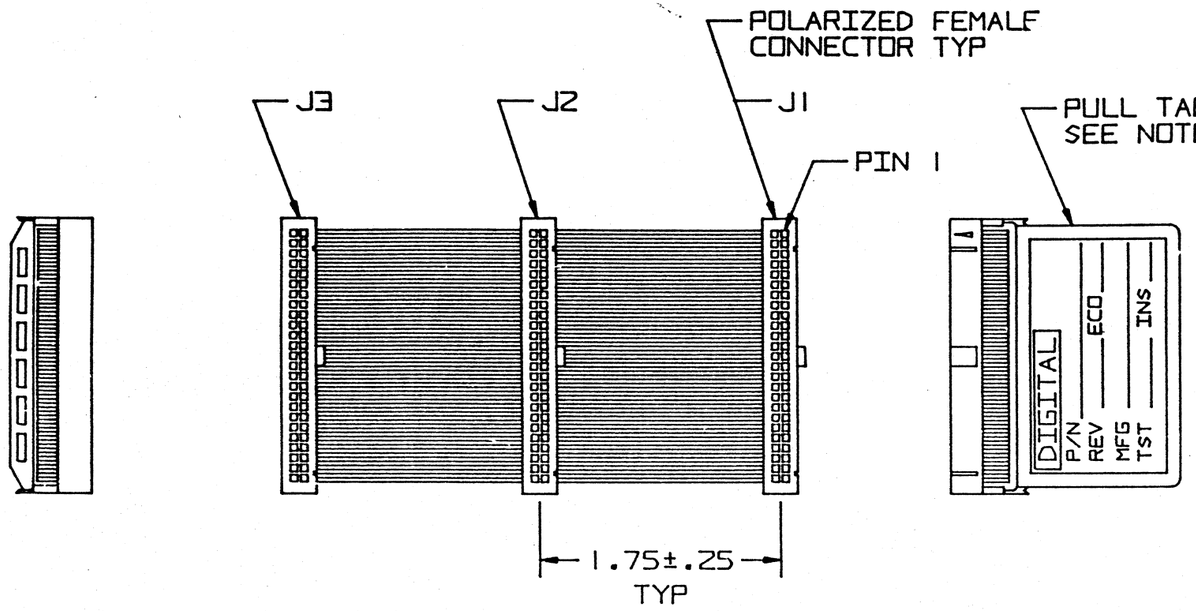
3.4.2 Flammability: Plastic material used in the construction of this item shall be rated V-2 or better, per UL-STD-94 and CSA Standard, C22.2 No. 154, CL.6.10.4.

DOCUMENT NUMBER			
SIZE	CODE	NUMBER	REV.
A	PS	1701898-0-0	A
PAGE 3 OF 9			

TABLE I

ITEM IDENTIFICATION

DIGITAL PART NUMBER	CONFIGURATION/ DIMENSIONS
17-01898-01	PER FIGURE 1
17-01898-02	PER FIGURE 2
17-01898-03	PER FIGURE 3
17-01898-04	PER FIGURE 4



NOTES:

1. ONLY J1 SHALL HAVE A PULL TAB.
2. CREASE CABLE AS SHOWN AT CENTER OF SPANS BETWEEN CONNECTORS AFTER ASSEMBLY.

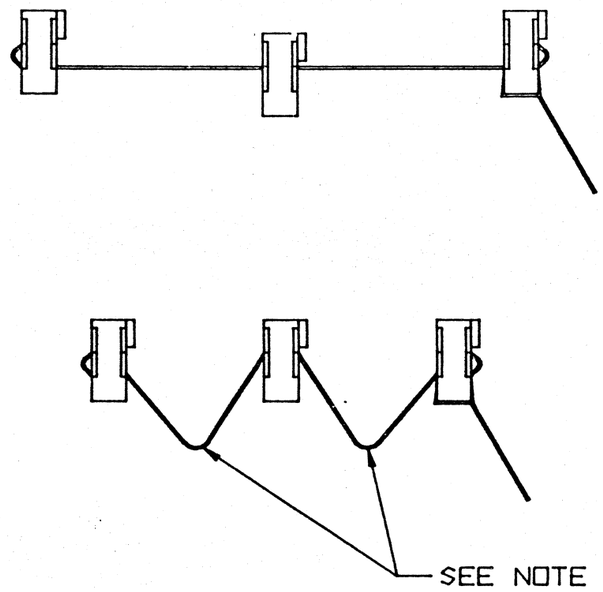
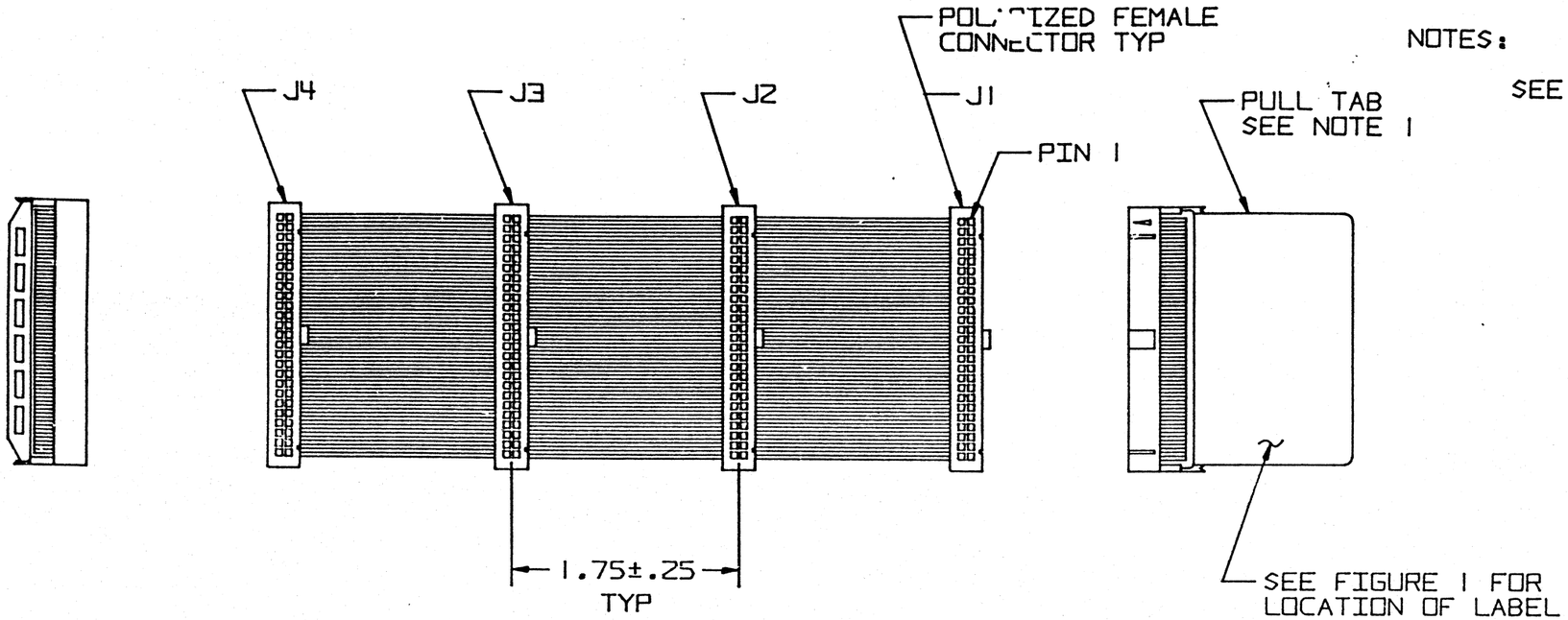


FIGURE 1

CONFIGURATION/DIMENSIONS

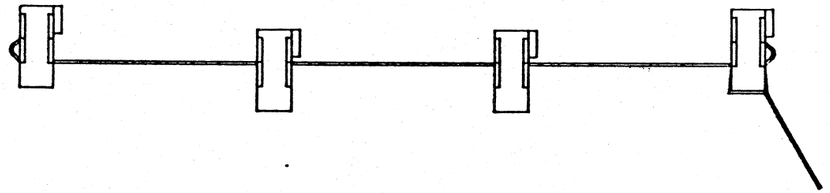
LAYER 1/B
PLOT AT 1.00
12/18/87 JJC

DOCUMENT NUMBER			
SIZE	CODE	NUMBER	REV.
B	PS	1701898-0-0	A
PAGE		6 OF 9	



NOTES:

SEE FIGURE 1 FOR NOTES.



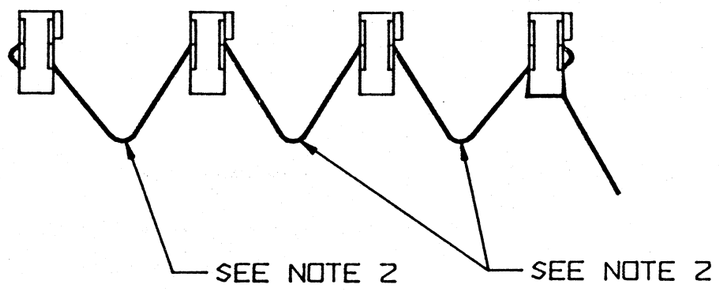


FIGURE 2

CONFIGURATION/DIMENSIONS

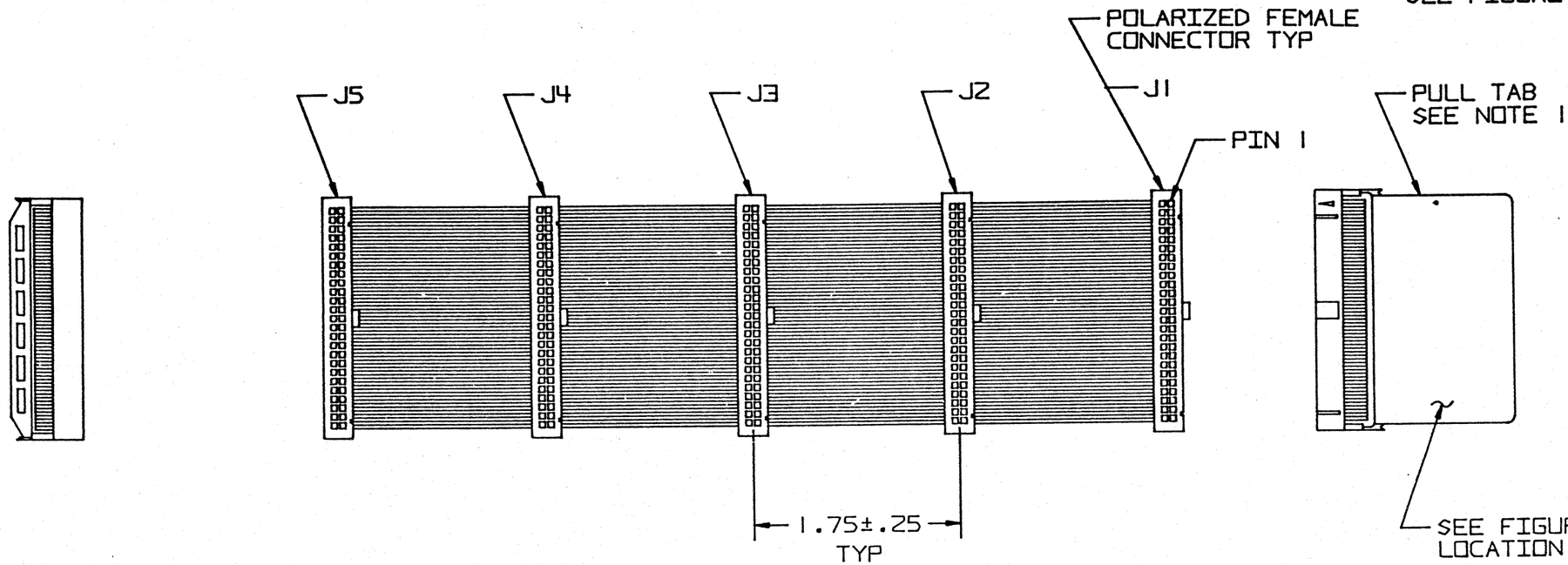
LAYER 2/B
PLOT AT 1.00
JJC

SIZE	CODE	DOCUMENT NUMBER	REV.
B	PS	1701898-0-0	A

PAGE 7 OF 9

NOTES:

SEE FIGURE 1 FOR NOTES.



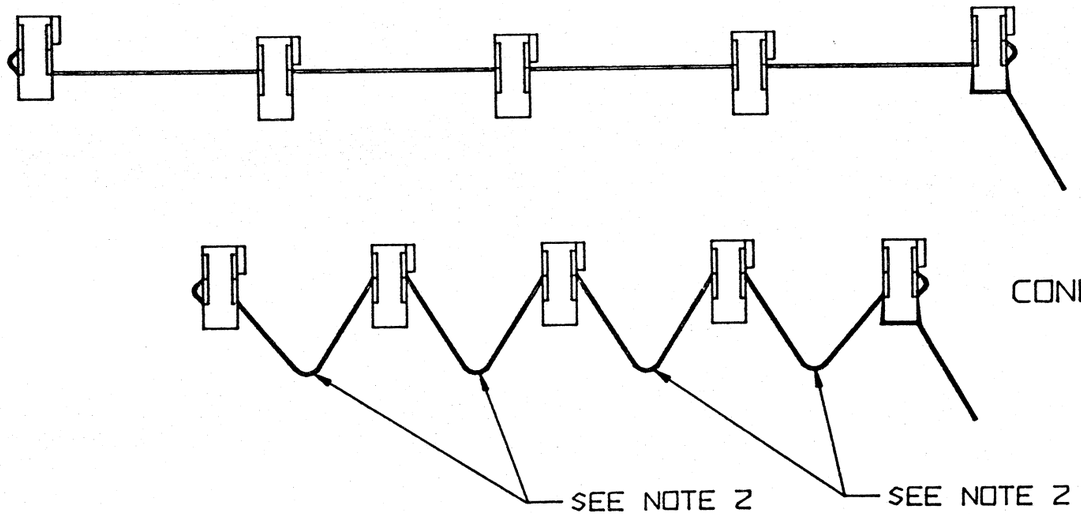
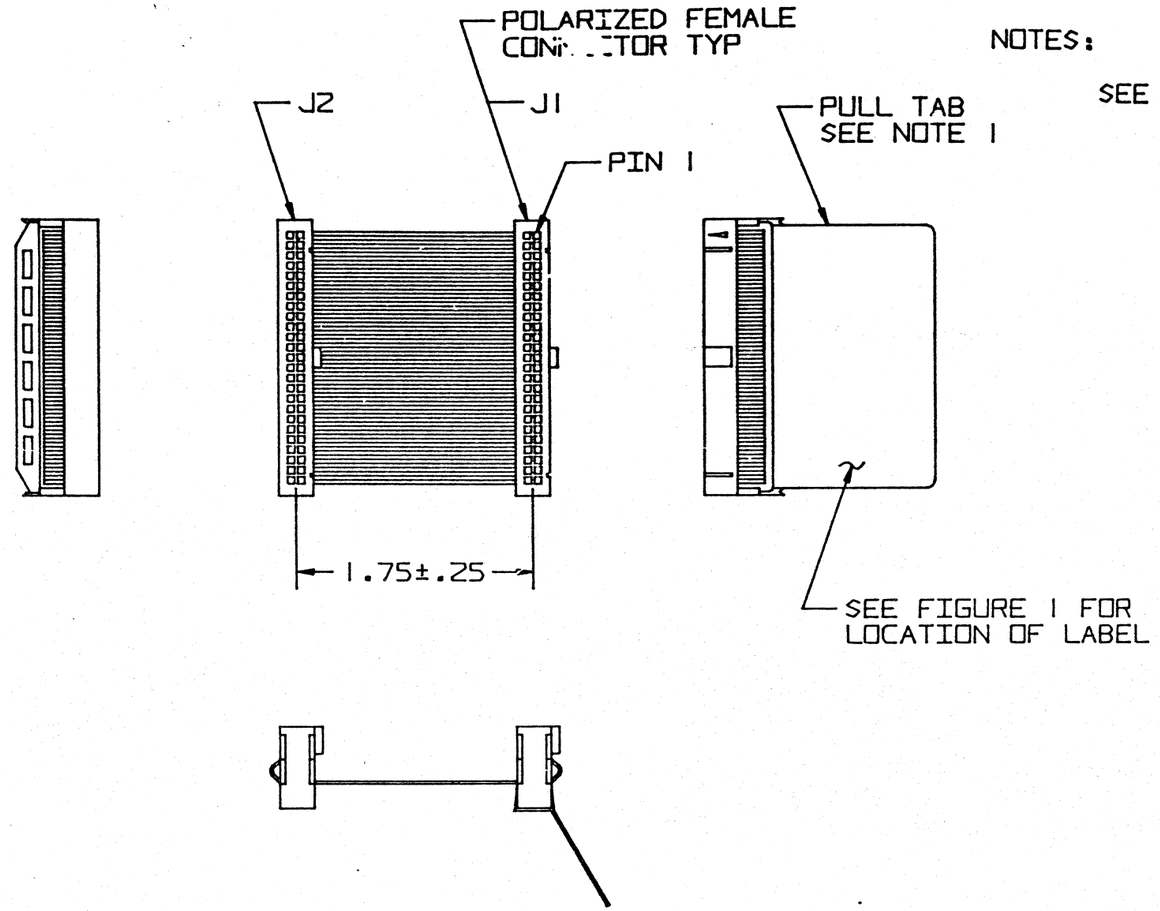


FIGURE 3

CONFIGURATION/DIMENSIONS

LAYER 3/B
PLOT AT 1.00
JJC

DOCUMENT NUMBER			
SIZE	CODE	NUMBER	REV.
B	PS	1701898-0-0	A
PAGE		8 OF 9	



NOTES:

SEE FIGURE 1 FOR NOTES.

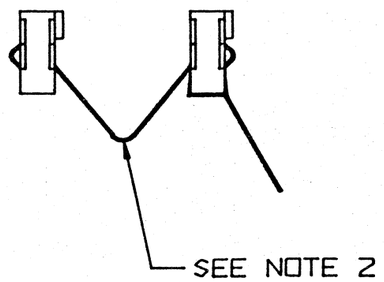


FIGURE 4

CONFIGURATION/DIMENSIONS

LAYER 4/B
PLOT AT 1.00
JJC

SIZE	CODE	DOCUMENT NUMBER	REV.
B	PS	1701898-0-0	A
PAGE		9 OF 9	

DRAWING NO.	NO.SHTS	PART NO.	DESCRIPTION	REVISIONS
		H7868-A	S-BOX P. SUPPLY, 120V	B1 C1 D1 E1 E2 E2
		H7868-B	S-BOX P. SUPPLY, 240V	B1 C1 D1 E1 E2 E2
		H7868-C	S-BOX P. SUPPLY, 120V	- - - - - A1
		H7868-D	S-BOX P. SUPPLY, 240V	- - - - - A1
D-UA-H7868-0-DBU	2		H7868 UNIT ASSY (UA)	A B C D D E
K-PL-H7868-0-DBP	2		H7868 UNIT ASSY (PL)	B C D E F H
D-IC-H7868-0-DBU	1		H7868 INTERCONNECT DWG.	A A A B B C
B-TC-H7868-0-DBU	1		H7868 UNIT ASSY (TC)	A A A IN IN IN
K-TC-H7868-0-0	1		H7868 UNIT ASSY (TC)	- - - B C D
K-SP-H7868-0-DBF	40		S-BOX P.S . (ENG.SPEC.)	A A B B B C
		MP-02511-01	FIELD MAINT. PRINT SET (H7868)	RE RE RE RE RE RE
C-UA-7022808-0-DBU	1		COVER ASSY TOP P/S	- - - A A A
K-PL-7022808-0-DBP	1		COVER ASSY TOP P/S	- - - A A A
B-DD-H7868-0-DBU	3		H7868 UNIT ASSY	A B C IN IN IN

NOTES:

REVISION HISTORY						
REV	A	B	C	D	E	F
ECO NO	REL	ML0023	CTS0034	MK00045	MK00056	MK
DATE	04/06/87	01/05/88	00/00/00	03/09/89	05/11/89	

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DRN: F. WIGGINS	DATE: 27-APR-87	digital TM
CHK'D: D. HEALY	DATE: 27-APR-87	TITLE H7868 UNIT ASSY
DES.ENG.: J. CROSS	DATE: 27-APR-87	SHEET 1 OF 1 / EDIT: 7
RESP.ENG.: J.CROSS	DATE: 27-APR-87	DOCUMENT NUMBER DD FILENAME: H7868F.DDF
MFG.ENG.: M. SHILO	DATE: 27-APR-87	SIZE: K / CODE: DD / NUMBER: H7868-0-0 / REV: F

SIZE	CODE	NUMBER	REV
B	DD	MS650-AA	A

DRAWING NO.	NO. OF SHTS.	PART NO.	DESCRIPTION	REVISIONS
		MS650-AA	8MB ECC MOS MEMORY	A
K-PL-MS650-AA-DBP	1		PARTS LIST (SH533)	A
B-PL-MS650-AA-0	1		SHIPPING LIST	A

NOTES:

REVISION HISTORY		
REV.	ECO NO.	DATE
A	IBIT	12/87

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digital

DRN	R. KOPPENAL	DATE 18 DEC.87
CHK'D	R. KOPPENAL	DATE 18 DEC.87
DES. ENG.	J. GROOMS	DATE 18DEC.87
RESP. ENG.	J. GROOMS	DATE 18DEC.87
MFG. ENG.	P. COHEN	DATE 18DEC.87

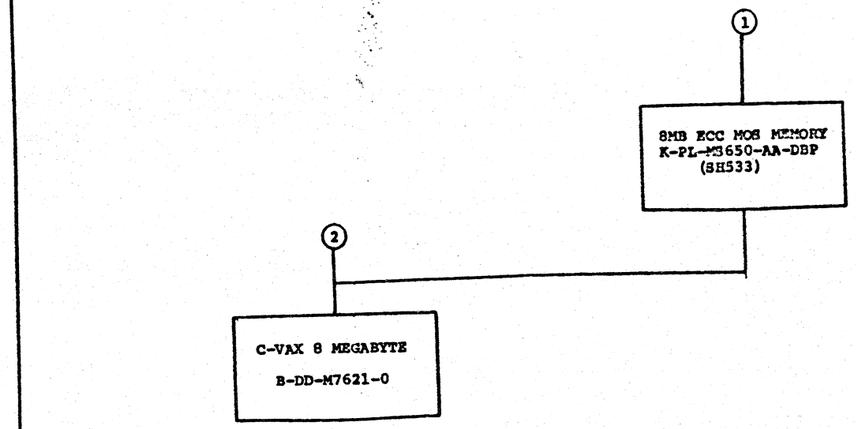
TITLE
8MB ECC MOS MEMORY

DOCUMENT NUMBER

SIZE	CODE	NUMBER	REV
B	DD	MS650-AA	A

SHEET 1 OF 3

DRB 136C
BN-01343-16-REVA(386)



TITLE						
8MB ECC MOS MEMORY	SHEET 2 OF 3	SIZE B	CODE DD	NUMBER M3650-AA	REV. A

DRB 107A
EN-01237-16-REVA(PRO)

FIND NO.	DRAWING NO.	DESCRIPTION	TYPE
1	K-PL-MS650-AA-DBP	8MB ECC MOS MEMORY PARTS LIST (SH533)	
	B-PL-MS650-AA-0	8MB ECC MOS MEMORY SHIPPING LIST	
2	B-DD-M7621-0	C-VAX 8 MEGABYTE	

FIND NO.	DRAWING NO.	DESCRIPTION	TYPE

TYPE: E ELECTRICAL
M MECHANICAL
E/M ELECTRO/MECHANICAL

digital

TITLE 8MB ECC MOS MEMORY

SHEET 3 OF 3 | SIZE B | CODE DD | NUMBER MS650-AA | REV A

DRB 109A
EN-01230-16-REVA(208)

AUTOMATED BY VAXkPL (V1.3)

P A R T S L I S T

LINE	ITEM	TOP DOCUMENT	PART NUMBER	MIN REV	DESCRIPTION	QUANTITY PER VARIATION/REVISION AA A1
1	1	B-DD-M7621-0	M7621-AA		8MB 256K CHIP RAM ARRAY = M7621-AF	1

REVISION HISTORY			KPL MATRIX FORMAT	SECTION A OF A		
ENG	ECO NUMBER	REV	SECTION/VARIATION INDEX		DRN: ROBERT KOPPENAL DATE: 18-DEC-87	D I G I T A L
---	INITIAL	A	[A] AA [B] [C] [D] [E] [F] [H] [J]		CHK'D: ROBERT KOPPENAL DATE: 18-DEC-87 DES.ENG: J. GROOMS DATE: 18-DEC-87 RESP.ENG.: J. GROOMS DATE: 18-DEC-87 MFG.ENG: P. COHEN DATE: 18-DEC-87	TITLE PARTS LIST 8MB ECC MOS MEMORY DOCUMENT NUMBER SIZE: K; CODE: PL; NUMBER: MS650-AA-DBP; REV: A RELEASE DATE: 18-DEC-87 RELEASE STATUS: RELEASED
			BASIC PART NUMBER: MS650	ASSEMBLY NUMBER:	TOP DOCUMENT NUMBER: B-DD-MS650-AA	FILE NAME: SH533A.PLS; EDIT #: 5

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