digital

UC15-Ø

Engineering Drawings

Digital Equipment Corporation

digital EQUIPMENT CORPORATION
MAYNARD MASSACHUSETTS

DRAWING DIRECTORY

CUSTOMER PRINT SET INDEX

SEQUENCE	
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11 ARRIVING (HIGH ORDER BITS)	D-BS-MX15-B-Ø3
UNIBUS DATA	D-BS-MX15-B-Ø4
15 PORT	D-BS-MX15-B-Ø5
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PROCESSOR BUS	D-IC-MX15-B-Ø7
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MODULE UTILIZATION (PL)	A-PL-MX15-B-Ø9
WIRE LIST (MX15-B)	K-WL-MX15-B-WL
I/O BUS	D-IC-DR15-C-Ø1
I/O BUS IN	D-BS-DR15-C-Ø2
CONTROL IN	D-BS-DR15-C-Ø3
TASK CONTROL BLOCK POINTER	D-BS-DR15-C-Ø4
API CONTROL	D-BS-DR15-C-Ø5
API ADDRESS	D-BS-DR15-C-Ø6
PI CONTROL	D-BS-DR15-C-Ø7
INTERFACE CABLES	D-IC-DR15-C-Ø8
MODULE UTILIZATION	D-MU-DR15-C-Ø9
MODULE UTILIZATION (PL)	A-PL-DR15-C-Ø9
WIRE LIST (DR15-C)	K-WL-DR15-C-WL
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SEQUENCE	
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UNIBUS RECEIVERS	B-CS-M784-Ø-1
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BCØ9B CABLE ASSY	D-UA-BCØ9B-Ø-Ø
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AWT REV. STATUS	A-WT-7009165-Ø
LOGIC ASSY MX15-B	C-AD-7009164-0-0
WIRED ASSY MX15-B	D-AD-7009165-0-0
LOGIC ASSY DR15-C	C-AD-7009167-0-0
WIRED ASSY DR15-C	D-AD-7009166-0-0
PANEL ASSY (TERM STRIP)	D-AD-7006803-0-0
PANEL ASSY (TERM STRIP) (PL)	A-PL-7006803-0-0
XMER MTG PANEL ASSY	D-AD-7006060-0-0
XMER MTG PANEL ASSY (PL)	A-PL-7006060-0-0
PRIORITY JUMPER LEVEL #7	C-IA-5408782-0-0
CIRCUIT SCHEMATIC	B-CS-5408782-0-1

THIS IS PRINT SET [X]

UNIT VARIATIONS

VARIATION	TITLE	PRINT SET TYPE UC15-Ø
UC15-FA	UNICHANNEL 15 (UC15) 4K 5Ø/6ØHZ 115V	X
UC15-FB	UNICHANNEL 15 (UC15) 4K 5Ø/6ØHZ 23ØV	X
UC15-FE	UNICHANNEL 15 (UC15) 8K 5Ø/6ØHZ 115V	X
UC15-FF	UNICHANNEL 15 (UC15) 8K 5Ø/6ØHZ 23ØV	X
UC15-HE	UNICHANNEL 15 (UC15) 8K 5Ø/6ØHZ 115V	X
UC15-HF	UNICHANNEL 15 (UC15) 8K 5Ø/6ØHZ 23ØV	X
UC15-HK	UNICHANNEL 15 (UC15) 12K 5Ø/6ØHZ 115V	X
UC15-HL	UNICHANNEL 15 (UC15) 12K 5Ø/6ØHZ 115V	X
UC15-JE	UNICHANNEL 15 (UC15) 8K 5Ø/6ØHZ 115V	X
UC15-JF	UNICHANNEL 15 (UC15) 8K 5Ø/6ØHZ 230V	X
UC15-JK	UNICHANNEL 15 (UC15) 12K 5Ø/6ØHZ 115V	X
UC15-JL	UNICHANNEL 15 (UC15) 12K 5Ø/6ØHZ 230V	X
UC15-KA	UNICHANNEL 15 (UC15) 12K 5Ø/6ØHZ 115V	X
UC15-KB	UNICHANNEL 15 (UC15) 12K 5Ø/6ØHZ 230V	X
UC15-MK	UNICHANNEL 15 (UC15) 12K 5Ø/6ØHZ 115V	X
UC15-ML	UNICHANNEL 15 (UC15) 12K 5Ø/6ØHZ 230V	X
UC15-MM	UNICHANNEL 15 (UC15) 16K 5Ø/6ØHZ 115V	X
UC15-MN	UNICHANNEL 15 (UC15) 16K 5Ø/6ØHZ 230V	X
UC15-PM	UNICHANNEL 15 (UC15) 16K 5Ø/6ØHZ 115V	X
UC15-PN	UNICHANNEL 15 (UC15) 16K 5Ø/6ØHZ 230V	X
UC15-PR	UNICHANNEL 15 (UC15)16K 5Ø/6ØHZ 115	X
UC15-PS	UNICHANNEL 15 (UC15)16K 5Ø/6ØHZ 230	X
UC15-RM	UNICHANNEL 15 (UC15)16K 5Ø/6ØHZ 115	X
UC15-RN	UNICHANNEL 15 (UC15)16K 5Ø/6ØHZ 230	X

REVISIONS		
REV	CHG. NO.	DATE
A	MX15B-1	3-73
B	MX15B-2	4-73
C	UC15F-1	7-73
D	UC15F-2	10-73
E	UC15F-3	5-74
F	MX15B-4	1-75
H	UC15-1	4-75
J	UC15-2	9-75
K	UC15-3	4-76
L	UC15-4	8-76

USED ON OPTION/MODEL

DRN. V.T. Long	DATE 12-19-72	TITLE: UC15 DRAWING DIRECTORY
CHK'D. V. Blanc	DATE 12/20/72	
PROJ ENG. R.C. Khay	DATE 1/31/73	
PROD. Ed Shiga	DATE 2/5/73	SIZE B; CODE DD; NUMBER UC15-Ø; REV L
FIELD SERV.	DATE 1/31/73	SHEET 1 OF 8; DIST

DRB 106

DEC 16—(325)—1062—1—NA71

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

DRAWING DIRECTORY

MANUFACTURING SET

THIS IS PRINT SET

	SEQUENCE
UNICHANNEL 15 (UC15)(PL)	A-PL-UC15-Ø-Ø
UNICHANNEL 15 (UC15)	D-UA-UC15-Ø-Ø
ACCEPTANCE PROCEDURE	A-SP-UC15-Ø-2
CHECKOUT PROCEDURE	A-SP-UC15-Ø-3
ENGINEERING SPEC	A-SP-UC15-Ø-1
MX CONTROL	D-BS-MX15-B-Ø1
11 ARRIVING (LOW ORDER BITS)	D-BS-MX15-B-Ø2
11 ARRIVING (HIGH ORDER BITS)	D-BS-MX15-B-Ø3
UNIBUS DATA	D-BS-MX15-B-Ø4
15 PORT	D-BS-MX15-B-Ø5
MEMORY BUS	D-IC-MX15-B-Ø6
PROCESSOR BUS	D-IC-MX15-B-Ø7
BYTE REGISTER	D-BS-MX15-B-Ø8
MODULE UTILIZATION	D-MU-MX15-B-Ø9
MODULE UTILIZATION (PL)	A-PL-MX15-B-Ø9
WIRE LIST (MX15-B)	K-WL-MX15-B-WL
I/O BUS	D-IC-DR15-C-Ø1
I/O BUS IN	D-BS-DR15-C-Ø2
CONTROL IN	D-BS-DR15-C-Ø3
TASK CONTROL BLOCK POINTER	D-BS-DR15-C-Ø4
API CONTROL	D-BS-DR15-C-Ø5
API ADDRESS	D-BS-DR15-C-Ø6
PI CONTROL	D-BS-DR15-C-Ø7
INTERFACE CABLES	D-IC-DR15-C-Ø8
MODULE UTILIZATION	D-MU-DR15-C-Ø9
MODULE UTILIZATION (PL)	A-PL-DR15-C-Ø9
WIRE LIST (DR15-C)	K-WL-DR15-C-WL
LOGIC ASSY MX15-B	C-AD-7009164-Ø-Ø
WIRED ASSY MX15-B	D-AD-7009165-Ø-Ø
LOGIC ASSY DR15-C	C-AD-7009167-Ø-Ø
WIRED ASSY DR15-C	D-AD-7009166-Ø-Ø
I/O CABLE (BCØ8R)	C-UA-BCØ8R-Ø-Ø

	SEQUENCE
BCØ8A CABLE	D-UA-BCØ8A-Ø-Ø
BCØ9B CABLE ASSY	D-UA-BCØ9B-Ø-Ø
CABLE ASSY (BC11A)	D-UA-BC11A-Ø-Ø
CABLE INTERFACE BCØ1S	C-UA-BCØ1S-Ø-Ø
PANEL ASSY (TERM STRIP)	D-AD-7006803-0-0
PANEL ASSY (TERM STRIP) (PL)	A-PL-7006803-0-0
XMER MTG PANEL ASSY	D-AD-7006060-0-0
XMER MTG PANEL ASSY (PL)	A-PL-7006060-0-0
PRIORITY JUMPER LEVEL #7	C-IA-5408782-0-0
CIRCUIT SCHEMATIC	B-CS-5408782-0-1
16 BIT COMPUTER ASSY	E/D-UA-11/Ø5-Ø-Ø
16 BIT COMPUTER ASSY (PL)	C-PL-11/Ø5-Ø-Ø
H95Ø-K SHORT DOOR	D-UA-H95Ø-K-Ø
H95Ø-K SHORT DOOR(PL)	A PL H95Ø K Ø
AC RECEPTACLE STRIP ASSY	D-AD-7008853-Ø-Ø

UNIT VARIATIONS		PRINT SET TYPE
VARIATION	TITLE	

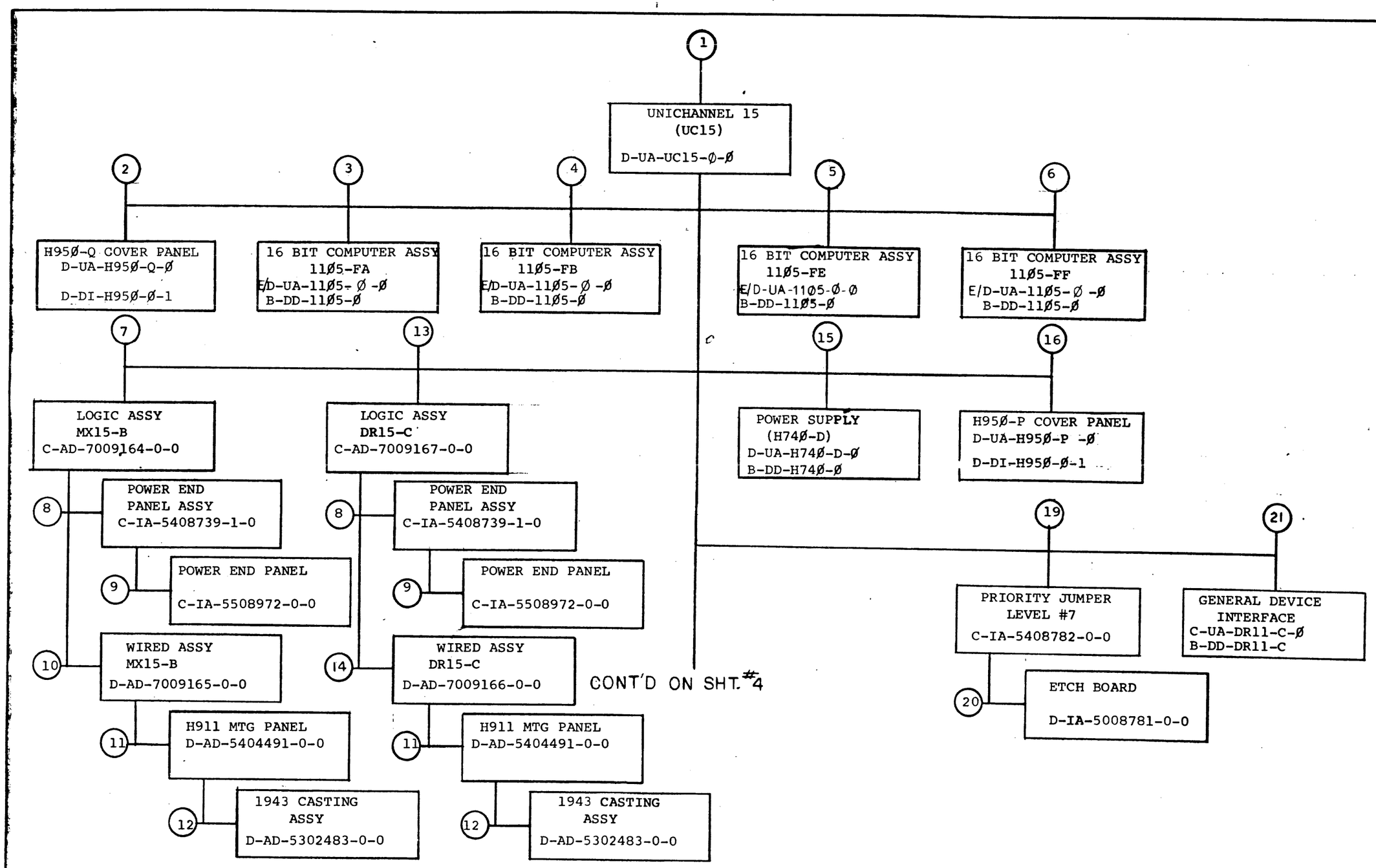
REVISIONS		
REV		
CHG. NO.		
DATE		

USED ON OPTION/MODEL

DRN.	DATE 12/18/72	TITLE: UC15 DRAWING DIRECTORY
CHK'D.	DATE 29 Jan 73	
PROJ ENG. RC Gray	DATE 1/31/73	
PROD.	DATE 2/5/73	SIZE B; CODE DD; NUMBER UC15-Ø; REV L
FIELD SERV.	DATE 1/31/73	
SHEET 2 OF 8		DIST

DRB 106

DEC 16-(325)-1062-1-NA71



TITLE	SHEET	SIZE	CODE	NUMBER	REV
UC15-Ø DRAWING DIRECTORY	3 OF 8	B	DD	UC15-Ø	L

CONT'D FROM SHT 3

22 — BASIC CABINET
ASSY 19 IN

C-PL-7006501-12-0

23 — CABINET FRAME
ASSY 19 IN
E-UA-H950-AA-0
D-DI-H950-0-1

27 — H952-C FAN
A-PL-H952-C-Ø

D-DI-H952-Ø-1

28 — H95Ø-S FILTER
A-PL-H95Ø-S-Ø

D-DI-H95Ø-Ø-1

29 — H95Ø-D MTG
PANEL DOOR (RH)
D-UA-H95Ø-D-Ø
D-DI-H95Ø-Ø-1

30 — H952-G
FILLER STRIP
C-UA-H952-G-Ø
D-DI-H952-Ø-1

31 — H952-B
STABILIZER FEET
A-PL-H952-B-Ø
D-DI-H952-Ø-1

32 — PANEL LOGO

D-IA-7407349-0-1

33 — H95Ø-L
FRAME PANEL
D-UA-H95Ø-L-Ø
D-DI-H95Ø-Ø-1

34 — PANEL, INLAY

D-IA-7407348-1-B

35 — 86'
POWER CONTROL

E-UA-861-0-0

36 — LINE SET
115V AC 7 AMP
C-UA-BCØ5H-Ø-Ø
B-DD-BCØ5H-Ø

37 — LINE SET
23Ø VAC 4 AMP
C-UA-BCØ5J-Ø-Ø
B-DD-BCØ5J-Ø

38 — H95Ø-K
SHORT DOOR
D-UA-H95Ø-K-Ø
D-DI-H95Ø-Ø-1

39 — H95Ø-F MTG PNL
DOOR SKIN
D-UA-H95Ø-F-Ø
D-DI-H95Ø-Ø-1

41 — 16 BIT COMPUTOR ASSY
11Ø5-NC
E/D-UA-11Ø5-Ø-Ø
B-DD-11Ø5-Ø

42 — 16 BIT COMPUTOR ASSY
11Ø5-ND
E/D-UA-11Ø5-Ø-Ø
B-DD-11Ø5-Ø

TITLE		SIZE	CODE	NUMBER	REV
UC15-Ø DRAWING DIRECTORY	SHEET 4 OF 8	B	DD	UC15-Ø	L

CUSTOMER PRINT SET UC15-Ø	MFG. SET	ELECTRICAL FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE
X	X	1	D-BS-MX15-B-Ø1	#	2	MX CONTROL	
X	X		D-BS-MX15-B-Ø2	#	1	11 ARRIVING (LOW ORDER) BITS)	
X	X		D-BS-MX15-B-Ø3	#	1	11 ARRIVING (HIGH ORDER BITS)	
X	X		D-BS-MX15-B-04	#	1	UNIBUS DATA	
X	X		D-BS-MX15-B-Ø5	#	1	15 PORT	
X	X		D-IC-MX15-B-Ø6	#	1	MEMORY BUS	
X	X		D-IC-MX15-B-Ø7	#	1	PROCESSOR BUS	
X	X		D-BS-MX15-B-Ø8	#	1	BYTE REGISTER	
X	X		D-MU-MX15-B-Ø9	#	1	MODULE UTILIZATION	
X	X		A-PL-MX15-B-Ø9	#	1	MODULE UTILIZATION (PL)	
X	X		K-WL-MX15-B-WL	#	1	WIRE LIST (MX15-B)	
X	X		D-IC-DR15-C-Ø1	#	1	I/O BUS	
X	X		D-BS-DR15-C-Ø2	#	1	I/O BUS IN	
X	X		D-BS-DR15-C-Ø3	#	1	CONTROL IN	
X	X		D-BS-DR15-C-Ø4	#	1	TASK CONTROL BLOCK POINTER	
X	X		D-BS-DR15-C-Ø5	#	1	API CONTROL	
X	X		D-BS-DR15-C-Ø6	#	1	API ADDRESS	
X	X		D-BS-DR15-C-Ø7	#	1	PI CONTROL	
X	X		D-IC-DR15-C-Ø8	#	1	INTERFACE CABLES	
X	X		D-MU-DR15-C-Ø9	#	1	MODULE UTILIZATION	
X	X		A-PL-DR15-C-Ø9	#	1	MODULE UTILIZATION (PL)	
X	X		K-WL-DR15-C-WL	#	1	WIRE LIST (DR15-C)	
X			C-CS-G74Ø-Ø-1	#	1	DISK SELECTION	
X			A-PL-G74Ø-Ø-Ø	#	1	DISK SELECTION (PL)	
X			C-CS-M246-Ø-1	#	1	5-D FLIP FLOPS	
X			D-CS-M688-Ø-1	#	2	UNIBUS POWER FAIL DRIVERS	
X			B-CS-M783-Ø-1	#	1	UNIBUS DRIVERS	
X			A-PL-M783-Ø-Ø	#	1	UNIBUS DRIVERS (PL)	
X			B-CS-M784-Ø-1	#	1	UNIBUS RECEIVERS	
X			A-PL-M784-Ø-Ø	#	1	UNIBUS RECEIVERS (PL)	
X	X		A-SP-UC15-Ø-1	D	25	ENGINEERING SPEC	
X			A-SP-UC15-Ø-2	B	4	CUST. ACCPT. PROCEDURE	
X			A-AL-UC15-Ø-5	B	1	ACCESSORY LIST	
X			A-SL-UC15-Ø-6	B	1	SOFTWARE LIST	
X	X	10	D-AD-7009165-0-0	#	1	WIRED ASSY MX15-B	
			A-WT-7009165-0	#	1	AWT REVISION STATUS	

CUSTOMER PRINT SET UC15-C	MFG SET	ELECTRICAL FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE
X	X	14	D-AD-7009166-0-0	#	1	WIRED ASSY DR15-C	
X	X	19	B-CS-5408782-0-1	#	1	CIRCUIT SCHEMATIC	

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TITLE	SHEET	SIZE	CODE	NUMBER	REV
UC15-Ø DRAWING DIRECTORY	5 OF 8	B	DD	UC15-Ø	L

CUSTOMER PRINT SET UC15-Ø	MFG. SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE
			MECHANICAL				
X	X	1	D-UA-UC15-Ø-Ø	E	2	UNICHANNEL 15 (UC15)	
x	X		C-UA-BCØ8R-Ø-Ø	#	1	I/O CABLE (BCØ8R)	
x	X		D-UA-BCØ8A-Ø-Ø	#	1	BCØ8A CABLE	
X	X		D-UA-BCØ9B-Ø-Ø	#	2	BCØ9B CABLE ASSY	
X	X		D-UA-BC11A-Ø-Ø	#	1	CABLE ASSY (BC11A)	
x	x		C-UA-BCØ1S-Ø-Ø	#	1	CABLE INTERFACE BCØ1S	
			D-MD-7407841-Ø-Ø		1	MTG. PANEL (841-B)	
			C-AD-7006419-Ø-Ø		1	CABLE ASSY	
			C-AD-7005128-0-0		1	CABLE ASSY	
	X		A-SP-UC15-Ø-2	A	4	ACCEPTANCE PROCEDURE	
	X		A-SP-UC15-Ø-3	A	7	CHECKOUT PROCEDURE	
X	X		A-PL-UC15-Ø-Ø	F	3	UNICHANNEL 15 (UC15) (PL)	
		2	D-UA-H95Ø-Ø-Ø		1	H95Ø-Ø COVER PANEL	
			A-PL-H95Ø-Ø-Ø		1	H95Ø-Ø COVER PANEL (PL)	
			D-DI-H95Ø-Ø-1		1	DWG INDEX H95Ø	
	X	3	E/D-UA-11/Ø5-Ø-Ø	#	6	16 BIT COMPUTER ASSY(11/Ø5-FA)	
	X		C-PL-11/Ø5-Ø-Ø	#	2	16 BIT COMPUTER ASSY (PL)	
			B-DD-11/Ø5-Ø		1	DWG DIRECTORY (11/Ø5 FA)	
		4	E/D-UA-11/Ø5-Ø-Ø		6	16 BIT COMPUTER ASSY(11/Ø5-FB)	
			C-PL-11/Ø5-Ø-Ø		2	16 BIT COMPUTER ASSY (PL)	
			B-DD-11/Ø5-Ø		1	DWG DIRECTORY (11/Ø5 FB)	
		5	E/D-UA-11/Ø5-Ø-Ø		6	16 BIT COMPUTER ASSY(11/Ø5-FE)	
			C-PL-11/Ø5-Ø-Ø		2	16 BIT COMPUTER ASSY (PL)	
			B-DD-11/Ø5-Ø		1	DWG DIRECTORY (11/Ø5 FE)	

CUSTOMER PRINT SET UC15-Ø	MFG SET	FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE
			MECHANICAL				
		6	E/D-UA-11/Ø5-Ø-Ø		6	16 BIT COMPUTER ASSY(11/Ø5-FF)	
			C-PL-11/Ø5-Ø-Ø		2	16 BIT COMPUTER ASSY (PL)	
			B-DD-11/Ø5-Ø		7	DWG. DIRECTORY (11/Ø5FF)	
X	X	7	C-AD-7009164-0-0	#	1	LOGIC ASSY MX15-B	
		8	C-IA-5408739-1-0		1	POWER END PANEL ASSY	
		9	C-IA-5508972-1-Ø		1	POWER END PANEL	
			A-SS-5508972-0-1		1	SILK SCREEN	
			C-MD-5302485-0-0		1	PANEL, LEFT END	
		10	D-AD-7009165-0-0		1	WIRED ASSY MX15-B	
			A-DC-7406371-0-0		1	LOGIC FRAME DECALS	
		11	D-AD-5404491-0-0		1	H911 MTG PANEL	
			A-PL-5404491-0-0		1	H911 MTG PANEL (PL)	
			E-SC-1205346-0-0		1	288 PIN BLOCK	
		12	D-AD-5302483-0-0		1	1943 CASTING ASSY	
			A-PL-5302483-0-0		1	1943 CASTING ASSY (PL)	
			E-MD-1202885-0-0		1	1943 FRAME CASTING	

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TITLE	SHEET	SIZE	CODE	NUMBER	REV
UC15-Ø DRAWING DIRECTORY	6 OF 8	B	DD	UC15-Ø	L

CUSTOMER PRINT SET UC15-Ø	MFG. SET	MECHANICAL FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE
X	X	13	C-AD-7009167-0-0	#	1	LOGIC ASSY DR15-C	
		14	D-AD-7009166-0-0		1	WIRED ASSY DR15-C	
			A-DC-7406371-0-0		1	LOGIC FRAME DECALS	
		15	D-UA-H74Ø-D-Ø		2	POWER SUPPLY (H74Ø-D)	
			A-PL-H74Ø-D-Ø		1	POWER SUPPLY (H74Ø-D) (PL)	
			B-DD-H74Ø-Ø		3	DWG. DIRECTORY (H74Ø-D)	
		16	D-UA-H95Ø-P -Ø		1	H95Ø-P COVER PANEL	
			A-PL-H95Ø-P -Ø		1	H95Ø-P COVER PANEL (PL)	
			D-DI-H95Ø-Ø-1		1	DWG INDEX H95Ø	

CUSTOMER PRINT SET UC15-Ø	MFG. SET	MECHANICAL FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE
X	X	19	C-IA-5408782-0-0	#	1	PRIORITY JUMPER LEVEL #7	
		20	D-IA-5008781-0-0		1	ETCH BOARD	
			C-AH-5408782-0-5		1	ASSY/DRILLING HOLE LAYOUT	
			PC-5008781		1	PC ETCH PATTERN	
		21	C-UA-DR11-C-Ø		1	GENERAL DEVICE INTERFACE	
			B-DD-DR11-C		3	GENERAL DEVICE INTERFACE	
		22	C-PL-7006501-12-0		1	BASIC CABINET ASSY 19 IN	
			C-MD-7406782-0-0		1	KICK PLATE	
			D-PS-1210568-0-0		1	SHIPING SKID CUSHIONED	
		23	E-UA-H950-AA-0		5	CABINET FRAME ASSY 19 IN	
			D-DI-H950-0-1		1	DRG. INDEX H950	
		41	E/D-UA-11/Ø5-Ø-Ø		6	16 BIT COMPUTOR ASSY (11/Ø5-NC)	
			C-PL-11/Ø5-Ø-Ø		2	16 BIT COMPUTOR ASSY (PL)	
			B-DD-11/Ø5-Ø		7	DWG DIRECTORY (11/Ø5-NC)	
		42	E/D-UA-11/Ø5-Ø-Ø		6	16 BIT COMPUTOR ASSY (11/Ø5-ND)	
			C-PL-11/Ø5-Ø-Ø		2	16 BIT COMPUTOR ASSY (PL)	
			B-DD-11/Ø5-Ø		7	DWG DIRECTORY (11/Ø5-ND)	

CUSTOMER PRINT SET CODES

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TITLE		SIZE	CODE	NUMBER	REV
UC15-Ø DRAWING DIRECTORY	SHEET 7 OF 8	B	DD	UC15-Ø	L

CUSTOMER PRINT SET UC15-Ø	MFG. SET	MECHANICAL FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE
		27	A-PL-H952-C-Ø		1	H952-C FAN	
			D-DI-H952-Ø-1		1	DWG INDEX H952	
		28	A-PL-H95Ø-S-Ø		1	H95Ø-S FILTER	
			D-DI-H95Ø-Ø-1		1	DWG INDEX H95Ø	
		29	D-UA-H95Ø-D-Ø		1	H95Ø-D MTG PNL DOOR (RH)	
			A-PL-H95Ø-D-Ø		1	H95Ø-D MTG PNL DOOR (PL)	
			D-DI-H95Ø-Ø-1		1	DWG INDEX H95Ø	
		30	C-UA-H952-G-Ø		1	H952-G FILLER STRIP	
			A-PL-H952-G-Ø		1	H952-G FILLER STRIP	
			D-DI-H952-Ø-1		1	DWG INDEX H952	
		31	A-PL-H952-B-Ø		1	H952-B STABILIZER FEET	
			D-DI-H952-Ø-1		1	DWG INDEX H952	
		32	D-IA-7407349-1-0		1	PANEL LOGO	
		33	D-UA-H95Ø-L-Ø		2	H95Ø-L FRAME PANEL	
			A-PL-H95Ø-L-Ø		1	H95Ø-L FRAME PANEL (PL)	
			D-DI-H95Ø-Ø-1		1	DWG INDEX H95Ø	

CUSTOMER PRINT SET UC15-Ø	MFG SET	MECHANICAL FIND NO.	DRAWING NO.	REV	NO OF SHT	DESCRIPTION	OPTION NO./FILE DATE
		34	D-IA-7407348-1-0		1	PANEL, INLAY	
		35	E-UA-861-0-0		1	861 POWER CONTROL	
		36	C-UA-BCØ5H-Ø-Ø		1	LINE SET 115 VAC 7 AMP	
			B-DD-BCØ5H-Ø		3	DWG DIRECTORY BCØ5H	
		37	C-UA-BCØ5J-Ø-Ø		1	LINE SET 23Ø VAC 4 AMP	
			B-DD-BCØ5J-Ø		3	DWG DIRECTORY BCØ5J	
X		38	D-UA-H95Ø-K-Ø	#	1	H95Ø-K SHORT DOOR	
X			A-PL-H95Ø-K-Ø	#	1	H95Ø-K SHORT DOOR (PL)	
			D-DI-H95Ø-Ø-1		1	DWG INDEX H95Ø	
		39	D-UA-H95Ø-F-Ø		1	H95Ø-F MTG PANEL DOOR SKIN	
			A-PL-H95Ø-F-Ø		1	H95Ø-F MTG PANEL DOOR SKIN (PL)	
			D-DI-H95Ø-Ø-1		1	DWG INDEX H95Ø	

CUSTOMER PRINT SET CODES	
	X = PRINT OF DOCUMENT INCLUDED IN PRINT SET
	C = INCLUDES ALL PRINTS INDICATED ON DOCUMENT
	S = CONFIDENTIAL AUTHORIZED SIGNATURE REQUIRED

TITLE		SIZE	CODE	NUMBER	REV
UC15-Ø DRAWING DIRECTORY	SHEET 8 OF 8	B	DD	UC15-Ø	L

DRB 108

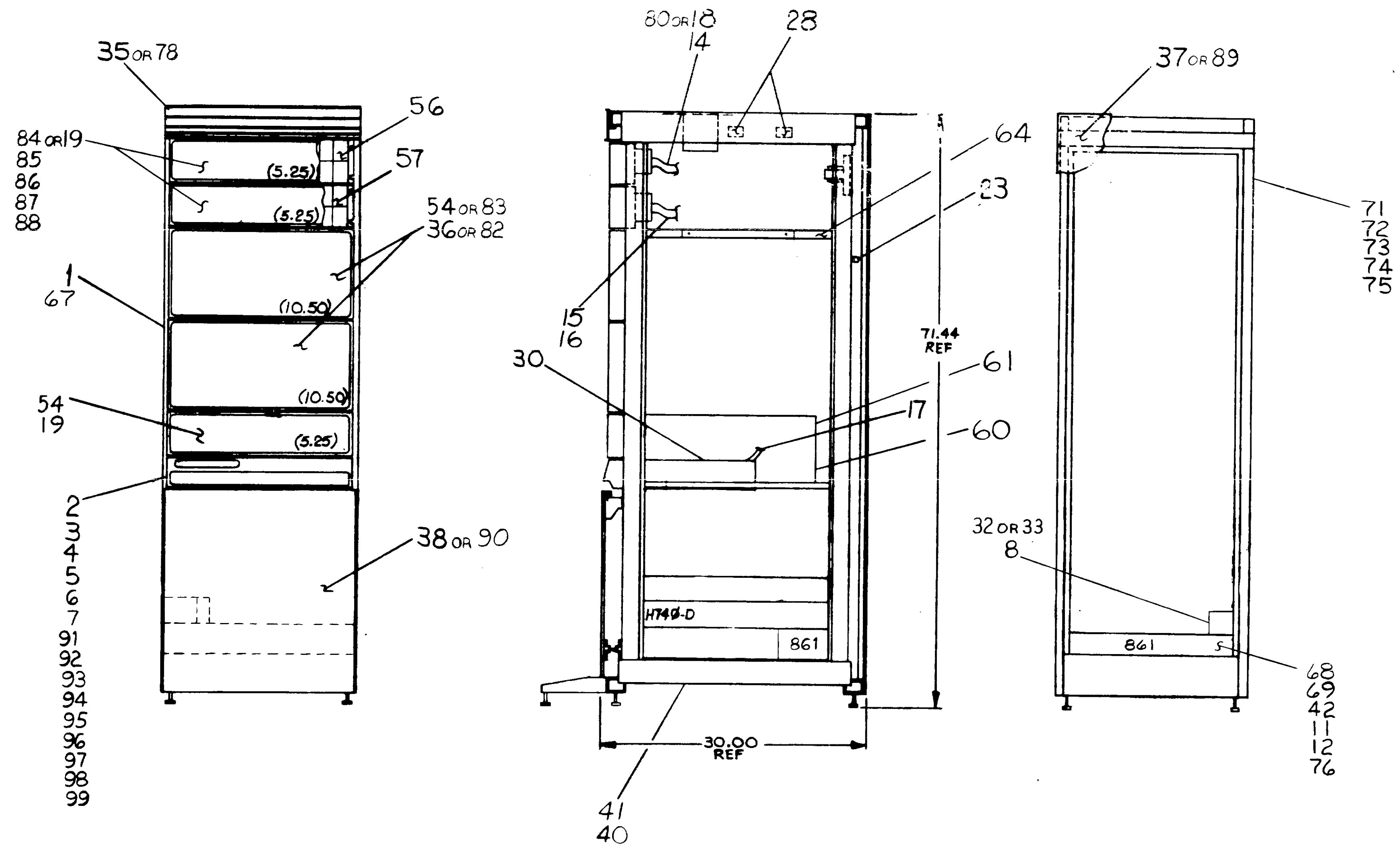
DEC 16-(325)-1062-2B-R972

LOCATION OF SPEED NUTS ITEM #13	
LOCATE ALL NUTS BY COUNTING HOLES UP FROM BOTTOM OF CABINET FRAME	
* FRONT HOLE NUMBERS	INSIDE REAR DOOR HOLE NO.S
3,7,32,34,38,39,41,44,48,52,57,61, 66,70,75,79,84,88,93,97,102,106 BOTH SIDES	LEFT SIDE HOLE NUMBERS
RIGHT SIDE HOLE NUMBERS	*REAR HOLE NUMBERS
13,10,21 BOTH SIDES	21,38,39,41,44,52,3,7

* 5" 11/05 BOLTS IN HOLE 38,39
10" 11/05 BOLTS IN HOLE 41,44

NOTES:

1. FOR DRAWING DIRECTORY REFER TO B-DD-UC15-Ø
2. FOR CABLE CONNECTIONS (ITEMS #15 THRU #18) AND LENGTHS, REFER TO ENG. SPEC. A-SP-UC15-Ø-1
3. CONNECT BCØ15-3 (ITEM #18) BETWEEN PDP-15 CONSOLE TTY CABLE AND TTY MODULE (WØ76) OF PDP15 PROCESSOR (SLOT KØ2).
4. WHEN CONSOLE TTY IS CONNECTED TO PDP 11/Ø5 FOR UNIBUS MAINT. PROCEDURE, ITEMS #46, #47 & #48 (SEE SHT #2) ARE PLACED IN TTY END OF BCØ15-3 CABLE, IN PLACE OF PDP15 CONSOLE TTY.
5. PRIORITY JUMPER (ITEM #29) WILL BE INSTALLED IN P.C. BOARD OF DR11-C. SEE MAINT. MANUAL.



FIRST USED ON OPTION/MODEL	PDP15
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES	
DECIMALS	.XXX = .005, .XX = .02, .X = .1
ANGLES	±0° 30'
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY	✓
MATERIAL	—
FINISH	—
NEXT HIGHER ASSY.	B-DD-UC15-O
SCALE	—
SHEET	1 OF 2
DATE (PROD.)	2/5/73
TITLE	UNI CHANNEL 15 (UC15)
SIZE	D
CODE	UA
NUMBER	UC15-Ø-Ø
REV	H

DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST		

DIGITAL EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

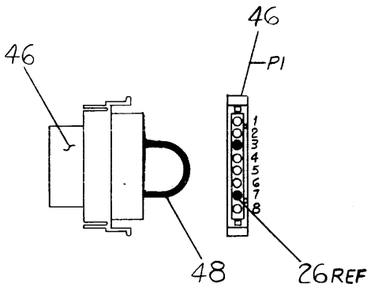
REVISIONS

REV	CHANGE NO.	CHK
A	MXJ5B-00002	
B	UC15F-00001	
C	UC15F-00003	
D	UC15-00001	
E	UC15-00002	
F	UC15-00003	
H	UC15-00004	

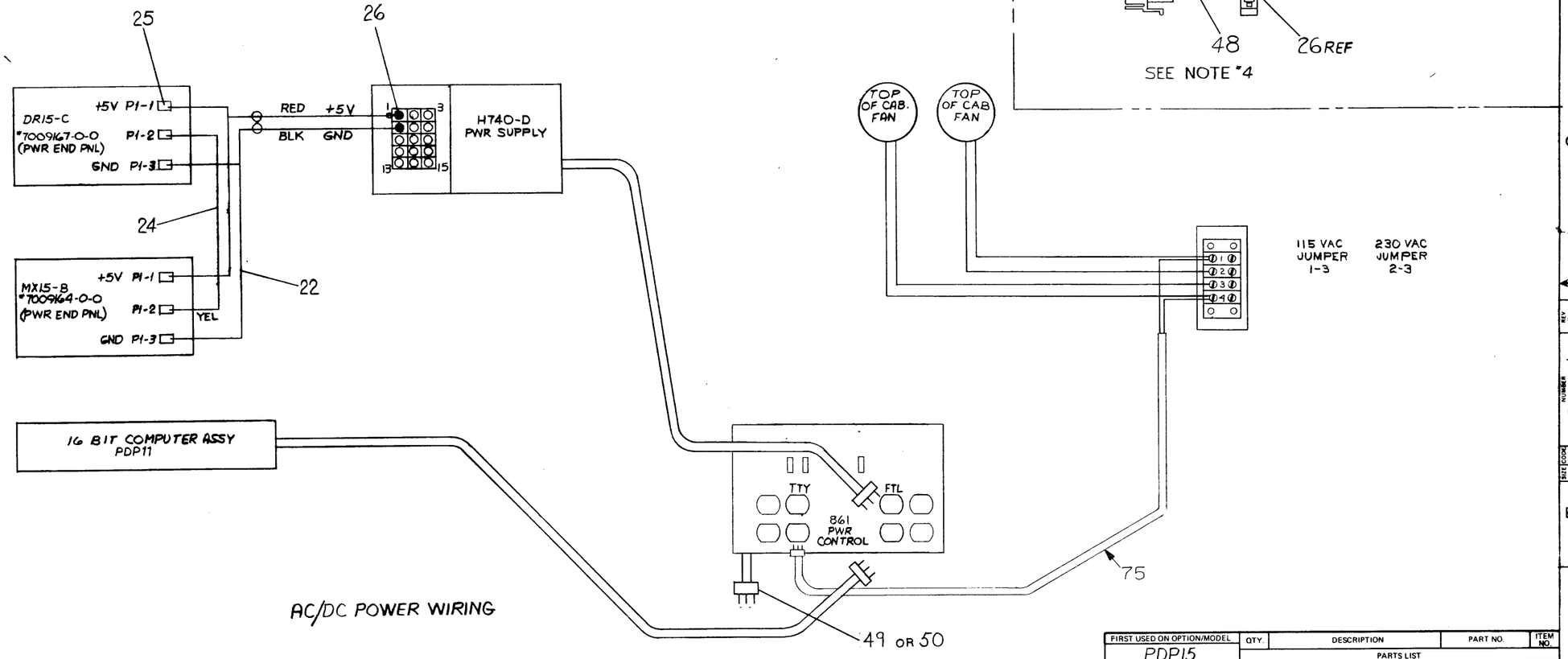
DEC FORM NO DRD 100-A

WIRE TABLE

ITEM NO	DESCRIPTION AWG	DESCRIPTION COLOR	FROM CONN	FROM WITH	TO CONN	TO WITH	WIRE LENGTH (PRECUT)
48	22	BLK	P1-3	ITEM #47	P1-7	ITEM #47	2.5 IN



SEE NOTE #4



AC/DC POWER WIRING

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP15		PARTS LIST		

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES

DECIMALS	ANGLES
XXX ± .005 XX ± .02 X ± 1	±0° 30'

REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓

MATERIAL —

FINISH —

DRN.		DATE 11/3/72
CHK'R.		DATE 11/3/72
ENG.		DATE 11/31/72
PROJ. ENG.		DATE 11/31/72
PROD.		DATE 12/5/72

NEXT HIGHER ASSY. B-DD-UC15-0

SCALE —

SHEET 2 OF 2

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: UNI CHANNEL 15 (UC15)

SIZE	CODE	NUMBER	REV.
D	UA	UC15 - 0 - 0	H

DIST.

REVISIONS REV.	CHANGE NO.	CHK

DRAWING 40-107 15966

DEC FORM NO. DRD 100-A

SIZE D | CODE UA | NUMBER UC15 - F - 0 | REV H

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY V. SOUZA	CHECKED P. LEBLANC	SECTION 1
DATE 10/21/72	DATE 12/14/72	
ENG R. GRAY	PROD D. SBREGA	ISSUED SECT. 2
DATE 1/31/73	DATE 2/5/73	

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION											
			UC15-FA	UC15-FB	UC15-FE	UC15-FF	UC15-HE	UC15-HF	UC15-HK	UC15-HL	UC15-JE	UC15-JF	UC15-JK	UC15-JL
1	C-PL-7006501-12	BASIC CAB. ASSY 19 IN	1	–	1	–	1	–	1	–	1	–	1	–
2	E/D-UA-1105-FA-0	16 BIT COMPUTER ASSY (1105)	1	–	–	–	–	–	–	–	–	–	–	–
3	E/D-UA-1105-FB-0	"	–	1	–	–	–	–	–	–	–	–	–	–
4	E/D-UA-1105-FE-0	"	–	–	1	–	–	–	–	–	–	–	–	–
5	E/D-UA-1105-FF-0	"	–	–	–	1	–	–	–	–	–	–	–	–
6	E/D-UA-1110-NC-0	"	–	–	–	–	1	–	1	–	1	–	1	–
7	E/D-UA-1110-ND-0	"	–	–	–	–	–	1	–	1	–	1	–	1
8	D-UA-H740-D-0	POWER SUPPLY (H740-D)	1	1	1	1	1	1	1	1	1	1	1	1
~~9~~	~~D-AD-7006803-0-0~~	~~PANEL ASSY (TERM STRIP)~~	~~1~~	~~–~~	~~1~~	~~–~~	~~1~~	~~–~~	~~1~~	~~–~~				
~~10~~	~~D-AD-7006060-0-0~~	~~XMFR MTG PANEL ASSY~~	~~–~~	~~1~~	~~–~~	~~1~~	~~–~~	~~1~~	~~–~~	~~1~~				
11	9006074-3	SCR PHL HD TRUSS " 10-32 x 5/8	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
12	9007651	WASHER, EXT TOOTH #10	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
13	9007786	NUT, TINNER MAN #10-32	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
14	D-UA-BC08R-10-0	I/O CABLE (BC08R)	4	4	4	4	4	4	4	4	4	4	4	4
15	D-UA-BC08A-3-0	CABLE BC08A	2	2	2	2	2	2	2	2	–	–	–	–
16	D-UA-BC08A-5-0	CABLE BC08A	2	2	2	2	2	2	2	2	SEE NOTE 2			–
17	D-UA-BC11A-8F-0	CABLE ASSY (BC11-A)	1	1	1	1	1	1	1	1				
18	D-UA-BC09B-10-0	CABLE ASSY (BC09B)	1	1	1	1	1	1	1	1	–		–	–
19	D-UA-H950-PB-0	COVER PANEL 5¼	3	3	3	3	2	2	2	2	–	–	–	–
20	9009110	BARREL CONN (SPLICE)	2	2	2	2	2	2	2	2	–	–	–	–
21	9107440-29	WIRE #14 AWG TWP RED/WHT	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	–	–	–	–
22	9107440-02	WIRE #14 AWG TWP BLK/RED	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
UC15 UNIT ASSY	D-UA-UC15-0-0	A	PL	UC15-0-0	H	UC15 - 00004
	SHEET 1 OF 10	DIST.				

DEC FORM DEC 16-(325)-1031-N870
DRA 110

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY V. SOUZA	CHECKED P. LEBLANC	SECTION 1
DATE 10/21/72	DATE 12/14/72	
ENG R. GRAY	PROD D. SBREGA	ISSUED SECT. 2
DATE 1/31/73	DATE 2/5/73	

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION											
			UC15-FA	UC15-FB	UC15-FE	UC15-FF	UC15-HE	UC15-HF	UC15-HK	UC15-HL	UC15-JE	UC15-JF	UC15-JK	UC15-JL
23	9007867	CABLE TIE MOUNT	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
24	9107370-44	WIRE #14 AWG IPVC YEL	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	–	–	–	–
25	9007917	SOLDERLESS CONN	12	12	12	12	12	12	12	12	3	3	3	3
26	1209378-01	PIN, MATE-N-LOK	4	4	4	4	4	4	4	4	2	2	2	2
27	9007928	SOLDERLESS CONN	7	7	7	7	7	7	7	7	4	4	4	4
28	9008264	BACK MOUNT	2	2	2	2	2	2	2	2	2	2	2	2
29	C-IA-5408782-0-0	PRIORITY JUMPER LEVEL #7	1	1	1	1	1	1	1	1	1	1	1	1
30	C-UA-DR11-C-0	GEN. DEVICE INTERFACE	2	2	2	2	2	2	2	2	2	2	2	2
~~31~~	~~D-UA-841-C-0~~	~~POWER CONTROL 841-C~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~				
32	C-UA-BC05H-0-0	LINE SET 115VAC 7 AMP	1	–	1	–	1	–	1	–	1	–	1	–
33	C-UA-BC05J-0-0	LINE SET 230 VAC 4 AMP	–	1	–	1	–	1	–	1		1	–	1
~~34~~	~~D-MD-7407841-0-0~~	~~MTG PANEL 841~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~				
35	D-IA-7407349-0-1	PANEL LOGO (PDP15)	1	1	1	1	1	1	1	1	–	–	–	–
36	D-UA-H950-0B-0	COVER PANEL 10½	2	2	2	2	2	2	2	2	–	–	–	–
37	D-UA-H950-FA-0	MTG PANEL DOOR SKIN (H950-F)	1	1	1	1	1	1	1	1	–	–	–	–
38	D-UA-H950-KA-0	SHORT DOOR H950-K	1	1	1	1	1	1	1	1	–	–	–	–
~~39~~	~~9107673-25~~	~~POWER CORD 25FT~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~				
40	9006568	NUT KEPS #5/16-18	1	1	1	1	1	1	1	1	1	1	1	1
41	9008887	GROUND STRAP	1	1	1	1	1	1	1	1	1	1	1	1
42	9006565	NUT KEPS #10-32	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
43	9007088	CABLE CLAMP NYLON	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
44	9107243	TUBING BLK ½IN	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
UC15 UNIT ASSY	D-UA-UC15-0-0	A	PL	UC15-0-0	H	
	SHEET 2 OF 10	DIST.				

DEC FORM DEC 16-(325)-1031-N870
DRA 110

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY V. SOUZA	CHECKED P. LEBLANC	SECTION 1
DATE 10/21/72	DATE 12/14/72	
ENG R.GRAY	PROD D. SBREGA	ISSUED SECT. 2
DATE 1/31/73	DATE 2/5/73	

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION											
			UC15-FA	UC15-FB	UC15-FE	UC15-FF	UC15-HE	UC15-HF	UC15-HK	UC15-HL	UC15-JE	UC15-JF	UC15-JK	UC15-JL
45	9007031	TIE WRAP	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
46	1209340-01	CONN HSG MATE-N-LOK (MALE)	1	1	1	1	1	1	1	1	1	1	1	1
47	C-UA-BC01S-3-0	CABLE INTERFACE (BC01S)	1	1	1	1	1	1	1	1	1	1	1	1
48	9107350-0	WIRE #22 IPVC BLK	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
~~49~~	~~C-AD-7005128-0-0~~	~~CABLE ASSY~~	~~1~~	~~-~~	~~1~~	~~-~~	~~1~~	~~-~~	~~1~~	~~-~~				
~~50~~	~~C-AD-7006419-0-0~~	~~CABLE ASSY~~	~~-~~	~~1~~	~~-~~	~~1~~	~~-~~	~~1~~	~~-~~	~~1~~				
~~51~~	~~7008853-3~~	~~A.C. RECEPTICLE STRIP ASSY~~	~~1~~	~~-~~	~~1~~	~~-~~	~~1~~	~~-~~	~~1~~	~~-~~				
~~52~~	~~7008853-4~~	~~A.C. RECEPTICLE STRIP ASSY~~	~~-~~	~~1~~	~~-~~	~~1~~	~~-~~	~~1~~	~~-~~	~~1~~				
~~53~~	~~9107673-3~~	~~3 Foot EXTENSION CORD~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~	~~1~~				
54	1211386	THICK LATCH MOLDING	14	14	14	14	12	12	12	12	-	-	--	-
~~55~~	~~H950-PB~~	~~COVER PANEL 8-1/4~~	~~1~~	~~1~~	~~1~~	~~1~~	~~-~~	~~-~~	~~-~~	~~-~~				
56	C-AD-7009167-0-0	LOGIC ASSY (DR15C)	1	1	1	1	1	1	1	1	1	1	1	1
57	C-AD-7009164-0-0	LOGIC ASSY (MX15B)	1	1	1	1	1	1	1	1	-	-	-	-
58	A-PL-DD11-B-0	PERIPHERAL MOUNTING PANEL	-	-	-	-	1	1	1	1	1	1	1	1
59	A-PL-MM11-M-0	MEMORY 4K	-	-	-	-	-	-	1	1	-	-	1	1
60	9008007-3	SCR PHL HD TRUSS #10-32 x ¼	-	-	-	-	2	2	2	2	2	2	2	2
61	9006046-1	SCR PHL HD PAN #8-32 x 1 3/4	1	-	-	-	2	2	2	2	2	2	2	2
62	C-PS-3611275-5-0	LOGO (UC15)	-	-	-	-	1	1	1	1	1	1	1	1
63	D-IA-7409431-4-0	PANEL CONTROL (UC15)	-	-	-	-	1	1	1	1	1	1	1	1
64	C-MD-7409312-0-0	BRACKET	2	2	2	2	2	2	2	2	2	2	2	2
65	7406748	FILLER STRIP	1	1	1	1	1	1	1	1	1	1	1	1
66	7406749	FILLER STRIP	1	1	1	1	1	1	1	1	1	1	1	1

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
UC15 UNIT ASSY	D-UA-UC15-0-0	A	PL	UC15-0-0	H	
	SHEET 3 OF 10	DIST.				

DEC FORM DEC 16-(325)-1031-N870
DRA 110

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY FRED DODL	CHECKED P. LEBLANC	SECTION 1
DATE 3/18/75	DATE 3/18/75	
ENG FRED DOLL	PROD FRED DOLL	ISSUED SECT. 2
DATE 3/18/75	DATE 3/18/75	

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION											
			UC15-FA	UC15-FB	UC15-FE	UC15-FF	UC15-HE	UC15-HF	UC15-HK	UC15-HL	UC15-JE	UC15-JF	UC15-JK	UC15-JL
67	C-PL-7006501-27	BASIC CAB ASSY 19 IN.	-	1	-	1	-	1	-	1	-	1	-	1
68	861-B	POWER CONTROL 230VAC	-	1	-	1	-	1	-	1	-	1	-	1
69	861-C	POWER CONTROL 115VAC	1	-	1	-	1	-	1	-	1	-	1	-
70	BC05U-06	LINE SET 230VAC	-	1	-	1	-	1	-	1	-	1	-	1
71	90-06899	TERMINAL BLOCK 4 TERM	1	1	1	1	1	1	1	1	1	1	1	1
72	74-06707	PLATE, JONES STRIP	1	1	1	1	1	1	1	1	1	1	1	1
73	90-06560	NUT KEPS #6-32	4	4	4	4	4	4	4	4	4	4	4	4
74	90-06026-3	SCR PHL TRUSS HD #6-32 X 3/4	4	4	4	4	4	4	4	4	4	4	4	4
75	91-07673-6	POWER CORD	1	1	1	1	1	1	1	1	1	1	1	1
76	7008288-3F	CABLE ASSY	1	1	1	1	1	1	1	1	1	1	1	1
~~77~~	~~D-UA-H950-KE~~	~~SHORT DOOR H950-K~~	~~-~~	~~-~~	~~-~~	~~-~~	~~-~~	~~-~~	~~-~~	~~-~~	~~-~~	~~-~~	~~-~~	~~-~~
78	C-IA-7406694-1	PANEL FRAME	-	-	-	-	-	-	-	-	1	1	1	1
79	D-IA-7009099	HARNESS	-	-	-	-	1	1	1	1	1	1	1	1
80	D-UA-BC09B-7	CABLE ASSY (BC09B)	-	-	-	-	-	-	-	-	1	1	1	1
81	D-UA-BC11A-10	CABLE ASSY (BC11A)	-	-	-	-	-	-	-	-	1	1	1	1
82	E-IA-7010297-1	PANEL ASSY	-	-	-	-	-	-	-	-	1	1	1	1
83	D-MD-7414905	BRACKET	-	-	-	-	-	-	-	-	2	2	2	2
84	D-AD-7011786-1	PANEL ASSY	-	-	-	-	-	-	-	-	1	1	1	1
85	C-IA-7011732	BRACKET	-	-	-	-	-	-	-	-	2	2	2	2
86	9009712	FASTENER	-	-	-	-	-	-	-	-	16	16	16	16
87	9008020-1	SCR PHL HD PAN 6-32 X 3/16	-	-	-	-	-	-	-	-	16	16	16	16
88	9006074-1	SCR PHL HD PAN 10-32 X 5/8	-	-	-	-	-	-	-	-	4	4	4	4

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
UC15 UNIT ASSY	D-UA-UC15-0-0	A	PL	UC15-0-0	H	
	SHEET 4 OF 10	DIST.				

DEC FORM DEC 16-(325)-1031-N870
DRA 110

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY	F. Doll	CHECKED	P. LEBLANC	SECTION	1
DATE	2/18/75	DATE	3/18/75		
ENG	F. Doll	PROD	F. DOLL	ISSUED SECT.	2
DATE	2/18/75	DATE	3/18/75		

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION											
			UC15-FA	UC15-FB	UC15-FE	UC15-FF	UC15-HE	UC15-HF	UC15-HK	UC15-HL	UC15-JE	UC15-JF	UC15-JK	UC15-JL
89	D-AD-70-10 532-0-0	FULL DOOR UNIT ASSY	-	-	-	-	-	-	-	-	1	1	1	1
90	D-UA-H950-HY-0	SHORT DOOR ASSY	-	-	-	-	-	-	-	-	1	1	1	1
91	D-UA-11/40-AC	COMPUTER ASSY (11/40)	-	-	-	-	-	-	-	-	-	-	-	-
92	D-UA-11/40-AD	COMPUTER ASSY (11/40)	-	-	-	-	-	-	-	-	-	-	-	-
93	D-UA-11/40-AH	COMPUTER ASSY (11/40)	-	-	-	-	-	-	-	-	-	-	-	-
94	D-UA-11/40-AJ	COMPUTER ASSY (11/40)	-	-	-	-	-	-	-	-	-	-	-	-
95	C-UA-DL11-A	ASYNCHRONOUS LINE INTERFACE	-	-	-	-	-	-	-	-	-	-	-	-
96	E-UA-11/34-DH	COMPUTER ASSY (11/34)	-	-	-	-	-	-	-	-	-	-	-	-
97	E-UA-11/34-DJ	COMPUTER ASSY (11/34)	-	-	-	1	-	-	-	1	-	-	-	-
98	D-UA-KY11-LB	PROGRAMMERS CONSOLE (11/34)	-	-	-	-	-	-	-	-	-	-	1	-
99	B-CS-M7856	DL11-W SERIAL LINE & LINE CLOCK	-	-	-	-	-	-	-	-	-	-	-	-
100	E-UA-11/34-HH	COMPUTER ASSY 11/34	-	-	-	-	-	-	-	-	-	-	-	-
101	E-UA-11/34-HJ	COMPUTER ASSY 11/34	-	-	-	-	-	-	-	-	-	-	-	-

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
UC15 UNIT ASSY	D-UA-UC15-0-0	A	PL	UC15-0-0	H	
	SHEET 5 OF 10	DIST.				

DEC FORM DEC 16-(325)-1031-N870
DRA 110

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY	F. Doll	CHECKED	P. LEBLANC	SECTION	2
DATE	2/18/75	DATE	3/18/75		
ENG	F. Doll	PROD	F. DOLL	ISSUED SECT.	2
DATE	2/18/75	DATE	3/18/75		

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION											
			UC15-MK	UC15-ML	UC15-MM	UC15-MN	UC15-PM	UC15-PN	UC15-KA	UC15-KB	UC15-PR	UC15-PS	UC15-RM	UC15-RN
1	C-PL-7006501-12	BASIC CAB. ASSY 19 IN	1	-	1	-	1	-	1	-	1	-	1	-
2	E/D-UA-11Ø5-FA-Ø	16 BIT COMPUTER ASSY (11Ø5)	-	-	-	-	-	-	-	-	-	-	-	-
3	E/D-UA-11Ø5-FB-Ø	16 BIT COMPUTER ASSY (11Ø5)	-	-	-	-	-	-	-	-	-	-	-	-
4	E/D-UA-11Ø5-FE-Ø	16 BIT COMPUTER ASSY (11Ø5)	-	-	-	-	-	-	-	-	-	-	-	-
5	E/D-UA-11Ø5-FF-Ø	16 BIT COMPUTER ASSY (11Ø5)	-	-	-	-	-	-	-	-	-	-	-	-
6	E/D-UA-111Ø-NC-Ø	16 BIT COMPUTER ASSY (11Ø5)	-	-	-	-	-	-	-	-	-	-	-	-
7	E/D-UA-111Ø-ND-Ø	16 BIT COMPUTER ASSY (11Ø5)	-	-	-	-	-	-	-	-	-	-	-	-
8	D-UA-H740-D-0	POWER SUPPLY (H740-D)	1	1	1	1	1	1	1	1	1	1	1	1
9	D-AD-7006803-0-0	PANEL ASSY (TERM STRIP)	-	-	-	-	-	-	-	-	-	-	-	-
10	D-AD-7006060-0-0	XMFR MTG PANEL ASSY	-	-	-	-	-	-	-	-	-	-	-	-
11	9006074-3	SCR PHL HD TRUSS " 10-32 X 5/8	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
12	9007651	WASHER, EXT TOOTH #10	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
13	9007786	NUT, TINNER MAN #10-32	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
14	D-UA-BC08R-10-0	I/O CABLE (BC08R)	4	4	4	4	4	4	4	4	4	4	4	4
15	D-UA-BCØ8A-3-Ø	CABLE BCØ8A	-	-	-	-	-	-	-	-	-	-	2	2
16	D-UA-BCØ8A-5-Ø	CABLE BCØ8A	-	-	-	-	-	-	-	-	-	-	2	2
17	D-UA-BC11A-8F-Ø	CABLE ASSY (BC11-A)	-	-	-	-	-	-	-	-	-	-	1	1
18	D-UA-BCØ9B-1Ø-Ø	CABLE ASSY (BCØ9B)	-	-	-	-	-	-	-	-	-	-	1	1
19	D-UA-H95Ø-PB-Ø	COVER PANEL 5¼	-	-	-	-	-	-	-	-	-	-	2	2
20	9009110	BARREL CONN (SPLICE)	-	-	-	-	-	-	-	-	-	-	2	2
21	9107440-29	WIRE #14 AWG TWP RED/WHT	-	-	-	-	-	-	-	-	-	-	A/R	A/R
22	9107440-02	WIRE #14 AWG TWP BLK/RED	A/R	A/R	A/R	A/R	A/R	A/R	-	-	A/R	A/R	A/R	A/R

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
UC15 UNIT ASSY	D-UA-UC15-0-0	A	PL	UC15-0-0	H	
	SHEET 6 OF 10	DIST.				

DEC FORM DEC 16-(325)-1031-N870
DRA 110

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY	F. Doll	CHECKED	P. LEBLANC	SECTION	2
DATE	2/18/75	DATE	3/18/75		
ENG	F. Doll	PROD	F. DOLL	ISSUED SECT.	2
DATE	2/18/75	DATE	3/18/75		

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION										
			UC15-MK	UC15-ML	UC15-MM	UC15-MN	UC15-PM	UC15-PN	UC15-KA	UC15-KB	UC15-PR	UC15-PS	UC15-RM	UC15-RN
23	9007867	CABLE TIE MOUNT	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
24	9107370-44	WIRE #14 AWG IPVC YEL	-	-	-	-	-	-	-	-	-	-	A/R	A/R
25	9007917	SOLDERLESS CONN	3	3	3	3	3	3	3	3	3	3	12	12
26	1209378	PIN, MATE-N-LOK	2	2	2	2	2	2	2	2	2	2	4	4
27	9007928	SOLDERLESS CONN	4	4	4	4	4	4	4	4	4	4	7	7
28	9008264	BACK MOUNT	2	2	2	2	2	2	2	2	2	2	2	2
29	C-IA-5408782-0-0	PRIORITY JUMPER LEVEL #7	1	1	1	1	1	1	1	1	1	1	1	1
30	C-UA-DR11-C-0	GEN. DEVICE INTERFACE	2	2	2	2	2	2	2	2	2	2	2	2
31	D-UA-841-C-Ø	POWER CONTROL 841-C	-	-	-	-	-	-	-	-	-	-	-	-
32	C-UA-EC05H-0-0	LINE SET 115VAC 7 AMP	1	-	1	-	1	-	1	-	1	-	1	-
33	C-UA-BC05J-0-0	LINE SET 230VAC 4 AMP	-	1	-	1	-	1	-	1	-	1	-	1
34	D-MD-7407841-0-0	MTG PANEL 841	-	-	-	-	-	-	-	-	-	-	-	-
35	D-IA-7407349-0-1	PANEL LOGO (PDP15)	-	-	-	-	-	-	-	-	-	-	1	1
36	D-UA-H95Ø-ØB-Ø	COVER PANEL 10½	-	-	-	-	-	-	-	-	-	-	2	2
37	D-UA-H95Ø-FA-Ø	MTG PANEL DOOR SKIN (H95Ø-F)	-	-	-	-	-	-	-	-	-	-	-	-
38	D-UA-H95Ø-KA-Ø	SHORT DOOR H95Ø-K	-	-	-	-	-	-	-	-	-	-	1	1
39	9107673-25	POWER CORD 25FT	-	-	-	-	-	-	-	-	-	-	-	-
40	9006568	NUT KEPS #5/16-18	1	1	1	1	1	1	1	1	1	1	1	1
41	9008887	GROUND STRAP	1	1	1	1	1	1	1	1	1	1	1	1
42	9006565	NUT KEPS #10-32	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
43	9007088	CABLE CLAMP NYLON	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
44	9107243	TUBING BLK 1/4 IN	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
UC15 UNIT ASSY	D-UA-UC15-0-0	A	PL	UC15-0-0	H	
	SHEET 7 OF 10	DIST.				

DEC FORM DEC 16-(325)-1031-N870
DRA 110

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY	Fred Doll	CHECKED	P. LEBLANC	SECTION	2
DATE	2/18/75	DATE	3/18/75		
ENG	Fred Doll	PROD	F. DOLL	ISSUED SECT.	2
DATE	2/18/75	DATE	3/18/75		

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION										
			UC15-MK	UC15-ML	UC15-MM	UC15-MN	UC15-PM	UC15-PN	UC15-KA	UC15-KB	UC15-PR	UC15-PS	UC15-RM	UC15-RN
45	9007031	TIE WRAP	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
46	1209340-01	CONN HSG MATE-N-LOK (MALE)	1	1	1	1	1	1	1	1	1	1	1	1
47	C-UA-BC015-3-0	CABLE INTERFACE (BC015)	-	-	-	-	-	-	-	-	-	-	-	-
48	9107350-0	WIRE #22 IPVC BLK	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
49	C-AD-7005128-0-0	CABLE ASSY	-	-	-	-	-	-	-	-	-	-	-	-
50	C-AD-7006419-0-0	CABLE ASSY	-	-	-	-	-	-	-	-	-	-	-	-
51	7008853-3	A.C. RECEPTICLE STRIP ASSY	-	-	-	-	-	-	-	-	-	-	-	-
52	7008853-4	A.C. RECEPTICLE STRIP ASSY	-	-	-	-	-	-	-	-	-	-	-	-
53	9107673-3	3 FOOT EXTENSION CORD	-	-	-	-	-	-	-	-	-	-	-	-
54	1211386	THICK LATCH MOLDING	-	-	-	-	-	-	-	-	-	-	12	12
55	H95Ø-PB	COVER PANEL 5-1/4	-	-	-	-	-	-	-	-	-	-	-	-
56	C-AD-7009167-0-0	LOGIC ASSY (DR15C)	1	1	1	1	1	1	1	1	1	1	1	1
57	C-AD-7009164-0-0	LOGIC ASSY (MX15B)	-	-	-	-	-	-	-	-	-	-	1	1
58	A-PL-DD11-B-0	PERIPHERAL MOUNTING PANEL	1	1	1	1	-	-	1	1	-	-	-	-
59	A-PL-MM11-M-0	MEMORY 4K	1	1	-	-	-	-	-	-	-	-	-	-
60	9008007-3	SCR PHL HD TRUSS #10-32 X 1/2	2	2	2	2	2	2	2	2	2	2	2	2
61	9006046-1	SCR PHL HD PAN #8-32 X 1-3/4	2	2	2	2	2	2	2	2	2	2	2	2
62	C-PS-3611275-5-0	LOGO (UC15)	-	-	-	-	-	-	-	-	-	-	1	1
63	D-IA-7409431-4-0	PANEL CONTROL (UC15)	-	-	-	-	-	-	-	-	-	-	1	1
64	C-MD-7409312-0-0	BRACKET	2	2	2	2	2	2	2	2	2	2	2	2
65	7406748	FILLER STRIP	1	1	1	1	1	1	1	1	1	1	1	1
66	7406749	FILLER STRIP	1	1	1	1	1	1	1	1	1	1	1	1

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
UC15 UNIT ASSY	D-UA-UC15-0-0	A	PL	UC15-0-0	H	
	SHEET 8 OF 10	DIST.				

DEC FORM DEC 16-(325)-1031-N870
DRA 110

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY	F. Doll	CHECKED	P. LEBLANC	SECTION	2
DATE	2/18/75	DATE	3/18/75		
ENG	F. Doll	PROD	F. DOLL	ISSUED SECT.	2
DATE	2/18/75	DATE	3/18/75		

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION											
			UC15-MK	UC15-ML	UC15-MM	UC15-MN	UC15-PM	UC15-PN	UC15-KA	UC15-KB	UC15-PR	UC15-PS	UC15-RM	UC15-RN
67	C-PL-7006501-27	Basic Cab Assy 19 In.	-	1	-	1	-	1	-	1	-	1	-	1
68	861-B	Power Control 230 VAC	-	1	-	1	-	1	-	1	-	1	-	1
69	861-C	Power Control 115 VAC	1	-	1	-	1	-	1	-	1	-	1	-
70	BC05U-06	Line Set 230 VAC	-	1	-	1	-	1	-	1	-	1	-	1
71	90-06899	Terminal Block 4 Term	1	1	1	1	1	1	1	1	1	1	1	1
72	74-06707	Plate, Jones Strip	1	1	1	1	1	1	1	1	1	1	1	1
73	90-06560	Nut Keps #6-32	4	4	4	4	4	4	4	4	4	4	4	4
74	90-06026-3	SCR PHL Truss HD #6-32 X 3/4	4	4	4	4	4	4	4	4	4	4	4	4
75	91-07673-6	Power Cord	1	1	1	1	1	1	1	1	1	1	1	1
76	7008288-3F	Cable Assy	1	1	1	1	1	1	1	1	1	1	1	1
~~77~~	~~D-UA-H950-KH~~	~~Short Door H950-K~~	-	-	-	-	-	-	-	-				
78	C-IA-7406694-1	Panel Frame	1	1	1	1	1	1	1	1	1	1	-	-
79	D-IA-7009099	Harness	1	1	1	1	1	1	1	1	1	1	-	-
80	D-UA-BC09B-7	Cable Assy (BCØ9B)	1	1	1	1	1	1	1	1	1	1	-	-
81	D-UA-BC11A-10	Cable Assy (BC11A)	1	1	1	1	1	1	1	1	1	1	-	-
82	E-IA-701029701	Panel Assy	1	1	1	1	1	1	1	1	1	1	-	-
83	D-MD-7414905	Bracket	2	2	2	2	2	2	2	2	2	2	-	-
84	D-AD-7011786-1	Panel Assy	1	1	1	1	1	1	1	1	1	1	-	-
85	C-IA-7011732	Bracket	2	2	2	2	2	2	2	2	2	2	-	-
86	9009712	Fastener	16	16	16	16	16	16	16	16	16	16	-	-
87	9008020-1	SCR PHL HD Pan 6-32 X 3/16	16	16	16	16	16	16	16	16	16	16	-	-
88	9006074-1	SCR PHL HD Pan 10-32 X 5/8	4	4	4	4	4	4	4	4	4	4	-	-

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
UC15 UNIT ASSY	D-UA-UC15-0-0	A	PL	UC15-0-0	H	
	SHEET 9 OF 10	DIST.				

DEC FORM DEC 16-(325)-1031-N870
DRA 110

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY	F. Doll	CHECKED	P. LEBLANC	SECTION	2
DATE	2/18/75	DATE	3/18/75		
ENG	F. Doll	PROD	F. DOLL	ISSUED SECT.	2
DATE	2/18/75	DATE	3/18/75		

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION											
			UC15-MK	UC15-ML	UC15-MM	UC15-MN	UC15-PM	UC15-PN	UC15-KA	UC15-KB	UC15-PR	UC15-PS	UC15-RM	UC15-RN
89	D-AD-7010532-0-0	Full Door Unit Assy	1	1	1	1	1	1	1	1	1	1	1	1
90	D-UA-H950-HY-0	Short Door Assy	1	1	1	1	1	1	1	1	1	1	-	-
91	D-UA-11/40-AC	Computer Assy (11/40)	1	-	-	-	-	-	-	-	-	-	-	-
92	D-UA-11/40-AD	Computer Assy (11/40)	-	1	-	-	-	-	-	-	-	-	-	-
93	D-UA-11/40-AH	Computer Assy (11/40)	-	-	1	-	-	-	-	-	-	-	-	-
94	D-UA-11/40-AJ	Computer Assy (11/40)	-	-	-	1	-	-	-	-	-	-	-	-
95	C-UA-DL11-A	Asynchronous Line Interface	1	1	1	1	-	-	-	-	-	-	-	-
96	E-UA-11/34-DH	Computer Assy (11/34)	-	-	-	-	1	-	-	-	-	-	1	-
97	E-UA-11/34-DJ	Computer Assy (11/34)	-	-	-	-	-	1	-	-	-	-	-	1
98	D-UA-KY11-LB	Programmers Console (11/34)	-	-	-	-	1	1	-	-	1	1	1	1
99	B-CS-M7856	DL11-W Serial Line + Line Clock	-	-	-	-	1	1	-	-	1	1	1	1
100	E-UA-11/34-HH	COMPUTER ASSY (11/34)	-	-	-	-	-	-	-	-	1	-	-	-
101	E-UA-11/34-HJ	COMPUTER ASSY (11/34)	-	-	-	-	-	-	-	-	-	1	-	-

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
UC15 UNIT ASSY	D-UA-UC15-0-0	A	PL	UC15-0-0	H	
	SHEET 10 OF 10	DIST.				

DEC FORM DEC 16-(325)-1031-N870
DRA 110

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

ENGINEERING SPECIFICATION

DATE 1/22/73

TITLE UNI CHANNEL 15 ENGINEERING SPECIFICATION

REVISIONS

REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE
A	ECO CHANGE	UC15F-3	F. DOLL	4/74	F. Doll	7/2/74
B	ECO CHANGE	UC15-1	F. DOLL	4/75	F. Doll	4/16/75
C	ECO CHANGE	UC15-2	F. DOLL	9/75	F. Doll	9/12/75
D	ECO CHANGE	UC15-3	F. DOLL	4/76	F. DOLL	4-76

ENG	APPD	SIZE	CODE	NUMBER	REV
R C Gray	R C Gray	A	SP	UC15-Ø-1	D

DEC 16-(392)-1079-N971
DRA 107

ENGINEERING SPECIFICATION [redacted] CONTINUATION SHEET

TITLE UNI CHANNEL 15

0. Overall Description

Unichannel 15 (UC15) is a new peripheral processor for the PDP-15 utilizing the PDP-11/05 minicomputer. It provides the PDP-15 with a second general purpose processor and a second high speed I/O bus: the UNIBUS. This UNIBUS is an 18-bit pathway permitting transfer of 18-bit PDP-15 words 16-bit PDP-11 words, or two eight-bit bytes.

The UC15 makes the PDP-15 a more powerful medium scale computer:

.It reduces the cost of expanding PDP-15 systems by making selected UNIBUS controllers and options usable on the PDP-15.

.Expandability is enhanced by providing two high speed I/O busses, we allow PDP-15 configurations to be larger.

.Software supported, dual processor capability

There are three major components of the UC15:

1. A PDP-11/05 computer with 4K,8K or 12K of PDP-11 Memory.

* 2. An MX15-B memory multiplexer which allows both the PDP-15 processor and the PDP-11 processor to share common memory. The shared memory is ordinary 18-bit PDP-15 core memory.

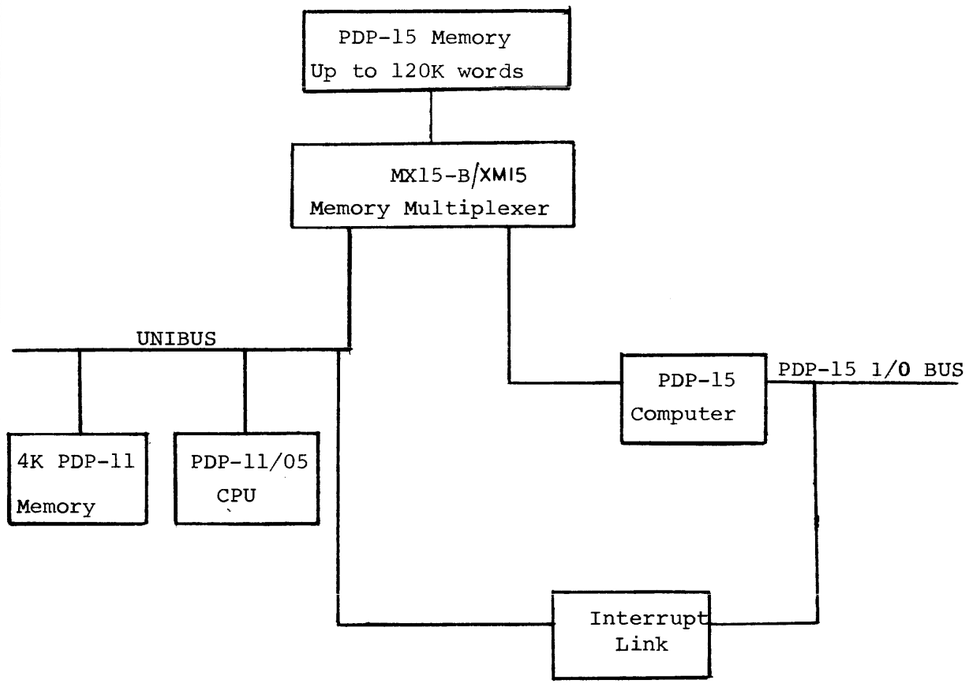
3. An "interrupt link" to provide a second means of inter-processor communications.

A PDP-15 with 12K or more of memory is a prerequisite for a UC15 addition.

* Unichannels connected to XM15's do not utilize the MX15B. The memory multiplexer is in the XM15.

SIZE	CODE	NUMBER	REV
A	SP	UC15-Ø-1	D

DEC FORM NO DEC 16-(381)-1022-N370
DRA 108



Components of Unichannel 15

1. General Specification

1.1 Definition of basic system.

The basic system includes a PDP11 processor, a memory bus multiplexer, an interrupt link, a cabinet, power supply, power controls and all cables needed to integrate the UC15 into a PDP15 system

It does not include a TTY.

1.2 List of included options.

1.2.1 A UC15 consists of the following major items.

Quantity	Option #	Description
1	MX15-B	Memory Bus Multiplexer
1	DR15-C	15 I/O Bus Interface
2	DR11-C	11 Gen. Pur. Interface
1	PDP-11/05	Computer
1	UC15	Cabinet
1	861	Power Controller
1	H740-D	Power Supply

1.2.2 Option Numbers.

Unichannel.

UC15-FA = (4K memory, 115V 50/60 Hz) PDP-11/05-FA, cabinet, MX25-B, 2 DR11-C, DR15-C.

UC15-FB = (4K memory, 230 V 50/60 Hz) PDP-11/05-FB, cabinet MX15-B, 2 DR11-C, DR15-C.

UC15-FE = (8K memory, 115 V 50/60 Hz) PDP-11/05-FE, cabinet MX15-B, 2 DR11-C, DR15-C.

UC15-FF = (8K memory, 230 V 50/60 Hz) PDP-11/05-FF, cabinet, MX15-B, 2DR11-C, DR15-C.

UC15-HE = (8K memory, 115 V 50/60 Hz) PDP-11/05-NC, Cabinet, MX15-B, 2DR11-C, DR15-C, DD11-B.

UC15-HF = same except 230 V and 11/05-ND

UC15-HF = (8K memory, 115 V 50/60 Hz) PDP-11/05-NC, MM11K, cabinet MX15-B, 2DR11-C, DR15-C, DD11-B

UC15-HL = same except 230 V and 11/05-ND

UC15-JE = (8K memory, 115 V 50/60 Hz) PDP-11/05-NC, Cabinet 2DR11-C, DR15-C, DD11-B.

UC15-JF = same except 230 V and 11/05-ND.

UC15-JK = (8K memory, 115 V 50/60 Hz) PDP-11/05-NC, MM11K Cabinet, 2DR11-C, DR15-C, DD11-B.

UC15-JL = same except 230 V and 11/05-ND.

UC15-KA = 115V 50/60 HZ cabinet, 2DR11-C, DR15-C,DD11-B.

UC15-KB = 230V 50/60 HZ cabinet, 2DR11-C, DR15-C,DD11-B.

UC15-MK = (12K memory, 115 V 50/60 Hz) PDP11/40
Cabinet, 2DR11-C, DR15-C, DD11-B.

UC15-ML = (12K memory, 230 V 50/60 Hz) PDP11/40
Cabinet, 2DR11-C, DR15-C, DD11-B.

UC15-MM = (16K memory, 115 V 50/60 Hz) PDP11/40
Cabinet, 2DR11-C, DR15-C, DD11-B.

UC15-MN = (16K memory, 230 V 50/60 Hz) PDP11/40
Cabinet, 2DR11-C, DR15-C, DD11-B.

UC15-PM = (16K memory, 115 V 50/60 Hz) PDP11/34
Cabinet, 2DR11-C, DR15-C, DD11-B.

UC15-PN = (16K memory, 230 V 50/60 Hz) PDP11/34
Cabinet, 2DR11-C, DR15-C, DD11-B.

1.3 Mechanical Packaging

MX15-B occupies a standard rack panel of M Series logic.
DR15-C occupies a standard rack panel of M Series logic.
UC15 cabinet bolts to left of PDP-15 processor cab in normal configurations.
Options are mounted in cabinet as shown in Figure 1-1.

1.3.1 Cable Specifications

BC08R - 10	DR11-C #1 CONN2	DR15-C B 18
BC08R - 10	DR11-C #1 CONN1	DR15-C B 17
BC08R - 10	DR11-C #0 CONN2	DR15-C A 18
BC08R - 10	DR11-C #0 CONN1	DR15-C A 17
BC11A - 8F	PDP11/05 A7/B7	MX15-B A01B01
BC11A - 10	PDP11/05 A7/B8	XM15 A01B01

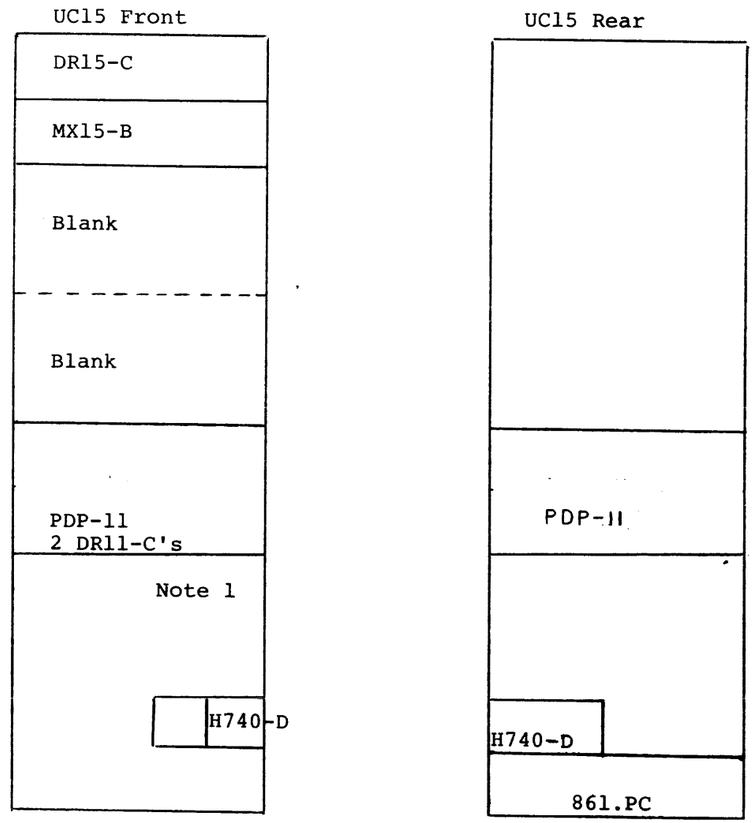


Figure 1.1

Note 1: This space may be used to mount a BA11 expander box. If an RK15 has previously been mounted in the space, the fan assembly, mounting frame, and RK11-E must be removed and the RK11-E remounted inside the BA11 box. See Note 4 on drawing D-UA-RK15-F Sheet 2 of 2.

General Description

The UC15 configuration Specifications are designed to be an aid in installing the memory data line (MDL), I/O bus and UNIBUS cables. Under no circumstances should any section of MDL exceed 25 feet.

1.3.1.1 MDL Configurations

This section gives a breakdown of the various MDL cable configurations. The cables are listed in the order in which they must be run in the system. All cables are BC08A's unless otherwise noted. H8519 #1 connector block is the block insert for the first 48K, H8519, #2 is the block used for the second 48K. REFERENCE XM15 SPEC. WHEN UC15 IS CONNECTED TO XM15.

15 MDL Cables from KP to MX15B

15 without KM/KT15 or FP15

From		To		Cable Length
Device	LOC	Device	LOC	
KP15	JO2	MX15B	A17	3'
KP15	JO3	MX15B	B17	3'

15 with KM/KT 15

KP15	JO2	BB15	BO2	5'
KP15	JO3	BB15	BO3	5'
BB15	A02	MX15B	A17	5'
BB15	A03	MX15B	B17	5'

15 with FP15

KP15	JO2	FP15	H29	5'
KP15	JO3	FP15	H30	5'

FP15	J29	MX15B	A17	6'
FP15	J30	MX15B	B17	6'

15 with KM/KT15 and FP15

KP15	JO2	FP15	H29	6'
KP15	JO3	FP15	H30	6'
FP15	J29	BB15	B02	3'
FP15	J30	BB15	BO3	3'
BB15	A02	MX15B	A17	6'
BB15	AO3	MX15B	B17	6'

1.3.1.2 MDL Cables from MX15B to Memory

Up to 32K MM15

MX15B	A08	MM15A	BO2	3'
MX15B	B08	MM15A	BO3	3'
MM15A	AO2	MM15B	AO2	3'
MM15A	AO3	MM15B	AO3	3'
MM15B	BO2	MM15C	AO2	5¼" (7006907-OF)
MM15B	BO3	MM15C	AO3	5¼" (7006907-OF)

One MX15 A up to 56K MM15

MX15B	A08	MX15A#1	-	6'
MX15B	B08	MX15A#1	-	6'

The MDL cables continue to any memory not accessed through the MX15A

MX15A	MM15A	7'
MX15A	MM15A	8'

Two MX15A up to 80K MM15

From		to		Cable Length
Device	Loc	Device	Loc	
MX15B	A08	MX15A#1	-	6'
MX15B	B08	MX15A#1	-	6'
MX15A#1		MX15A#2		5¼" (7006907-0F)
MX15A		MM15A		7'
MX15A		MM15B		8'

Up to 48K ME15

MX15B	A08	H8519	TOP	5'
MX15B	B08	H8519	BOT	5'

48 to 96K ME15

MX15B	~~A09~~ A08	H8519	TOP	5'
MX15B	~~B09~~ B08	H8519	BOT	5'
H8519#1	TOP	H8519#2	TOP	3'
H8519#2	BOT	H8519#2	BOT	3'

Up to 48K ME15 with one MM15

MX15B	A08	MM15A	BO2	3'
MX15B	B08	MM15A	BO3	3'
MM15A	AO2	H8519#1	TOP	4'
MM15A	AO3	H8519"1	BOT	4'

48 to 96K ME15 with one MM15.

FROM		TO		Cable Length
Device	Loc	Device	Loc	
MX15B	A08	MM15A	BO2	3'
MX15B	B08	MM15A	BO3	3'
MM15A	AO2	H8519#1	TOP	4'
MM15A	AO3	H8519#1	BOT	4'
H8519#1	TOP	H8519#2	TOP	3'
H8519#2	BOT	H8519#2	BOT	3'

Up to 48K ME15 with two MM15's

MX15B	A08	MM15A	BO2	3'
MX15B	B08	MM15A	BO3	3'
MM15A	BO2	MM15B	AO2	3'
MM15A	AO3	MM15B	AO3	3'
MM15B	BO2	H8519	TOP	3'
MM15B	BO3	H8519	BOT	3'

48 to 96K ME15 with two MM15's

MX15B	A08	H8519	TOP	5'
MX15B	B08	H8519	BOT	5'
H8519	TOP	MM15A	BO2	6'
H8519	BOT	MM15A	BO3	6'
MM15A	AO2	MM15B	AO2	3'
MM15A	AO3	MM15B	AO3	3'
MM15B	BO2	H8519	TOP	3'
MM15B	BO3	H8519	BOT	3'

Up to 48K ME15 with three MM15's

FROM		TO		Cable Length
Device	Loc	Device	Loc	
MX15B	A08	H8519	TOP	5'
MX15B	B08	H8519	BOT	5'
H8519	TOP	MM15A	BO2	6'
H8519	BOT	MM15A	BO3	6'
MM15A	AO2	MM15B	AO2	3'
MM15A	AO3	MM15B	AO3	3'
MM15B	BO2	MM15C	AO2	5¼" (7006907-0F)
MM15B	BO3	MM15C	AO3	5¼" (7006907-0F)

All other configurations.

Other configurations are so varied that it is impossible to break them down into a list such as the preceding sections. There are some guidelines which should be followed when configuring the system. Cable length should be kept to a minimum. In no case should any section of MDL cable exceed 25 feet.

1.3.1.3

I/O Bus Configuration

Input Bus

FROM		TO		Length	TYPE
Device	Loc	Device	Loc		
KP15	MN 2,3	DR15C	AB1,2	5'	BC09B
BB15	CD 4,5	DR15C	AB1,2	7'	"
BA15	AB 4,5	DR15C	AB1,2	8'	"
DW15	AB 4,5	DR15C	AB1,2	8'	"
XVM SYSTEM BA15	CD 4,5	DR15C	AB1,2	7'	BC09B

Output Bus

The Output I/O bus (BC09B) connects from DR15C slot AB 3,4 to:

First Option Cabinet	One Extended Memory Cabinet	Two Extended Memory Cabinets	No BA15 Cabinet
Left of UC15 (RP15, RF15) 6'	8'	10'	-
Right of UC15 (TC15, LP15, VT15) 10'	-	-	8'

1.3.1.4 UNIBUS Restrictions

Standard UNIBUS rules must be followed concerning its length and loading. When installing additional cabinets which contain PDP11 peripherals, the cabinet normally connects to the left side of the far left cabinet. This prevents extending the PDP15 I/O Bus beyond the 80 ft. limit.

Parity is not allowed as "PA" and "PB" are used as the upper two data bits.

1.4 Environmental and Power Requirements

DR15-C/MX15-B

Temperature 50°F to 122°F

Humidity 20% to 90%

Power

MX15-B 7 amps @ 5 volts
DR15-C 2 amps @ 5 volts

UC15 Bay

Power

7 amps @ 115v
3 .5 amps @ 230 v

Weight
250 lbs.

Note both power and weight increase as options replace blank areas in the UC15 cabinet.

1.5 Bus Loading

MX15-B

15 Input load = 2 unit loads

Unibus input load = 1 unit load

Output = 2 unit loads

2.0 Vendor supplied equipment

None

3.1.1 MX15-B Specifications

A. Output - PDP-15 Memory Bus.

Will connect to MM15, MX15-A, and ME15 memories.

B. Inputs

PDP-11: modified UNIBUS with PA and PB used as D16 and D17 respectively. It meets all other UNIBUS specs. Defined as UNIBUS/18, input would have a lower address bound that could be fixed to any 4K multiple address 0-128K. This would be specified by jumpers. Note only 4 or 8K of local memory will be supported by diagnostics and systems programs. Hence, the maximum commonly addressable memory (11 processor) will be 24 or 20K. An upper limit would be provided as 124K.

The addresses presented from the PDP-11 are relocated to prevent location 0 being the same physical address on each machine. The PDP-11 will be able to be relocated by 4K increments to 124K. Local PDP-11 memory is restricted to 4K increments. Note that the PDP-11/05 has "local" memory.

Note that any "write" operation to a common memory location by 8 bit or 16 bit UNIBUS devices causes PDP-15 data bits 0 and 1 of the location to be forced 0.

PDP-15: standard 15 memory bus interface - no upper and lower bounds. No relocation. Emphasis will be on minimum delay through multiplexer for this port.

When the PDP-15 issues DCH SYNC (during Data Channel interrupts) it will have top priority (uninterrupted memory use). The PDP-15 must not issue DCH SYNC for a period longer than the PDP-11/05 "time-out". If this occurs, the PDP-11/05 will "time-out" and may "hang" the system in the process. Hence, this type of "time-out", not due to non-existent memory, must not occur. In some cases, the "time-out" delay will have to be lengthened. If both processors request at the same time, PDP-15 will get use of the memory. When requests are not simultaneous, a first-come, first-served mode operates. Practically, this all means

that the 15 and 11 will alternate accesses to commom memory except under the special conditions described above. Note no local memory is allowed on the PDP-15.

3.1.2 DR15-C Specifications

This section describes the IOT's of the DR15-C and the registers of the two DR11-C's.

3.1.2.1 Register Descriptions (PDP-11)

(CSR) 767770 Bit 6 - when bit 6 is a 1, it will enable an interrupt on BR5 to TV 300, if the API DONE flag is set in bit 7 of 767770.

Bit 7 - API DONE - set to 1 whenever none of the 4 API channels has a request pending.

NOTE: Neither of these bits is expected to be used in normal systems programming.

(ODB) 767772 Low byte - contains the API address for an API level 0 break. Loading a new value in this byte causes the appropriate API* flag to be set in the DR15-C and an API break in the PDP-15 will occur, if the API is enabled and no higher activity is occuring. It also will cause a PI interrupt if API is not installed.

High byte - contains the API address for an API level 1 break. Same conditions as low byte.

(IDB) 767774 Bit 0 - contains bit "2" of the Task Control Block Pointer (TCBP). See note under bit 1.

Bit 1 - contains bit "1" of the TCBP.

NOTE: That reading 767774 does not effect the New TCBP flag in bit 7 of 767760.

Bit 6 - API 2 DONE flag - when a 1 indicates that there is no API level 2 request pending before the PDP-15. When a 1 also indicates the 767762 low byte may be loaded with a new API level 2 address to cause a new API interrupt level 2 and set the API 2 flag in the DR15-C.

Bit 7 - API 0 DONE flag - when a 1 indicates that there is no API level 0 request pending before the PDP-15. When a 1 also indicates that 767772, low byte may be loaded with a new API level 0 and set the API 0 flag in the DR15-C.

Bit 8 - Local Memory Size bit 0 - the least significant bit of a two bit field which specifies the number of 4K word memory banks are connected to the UNIBUS.

Bit 9 - Local Memory Size bit 1 - the most significant bit of a two bit field which specifies that number of 4K memory banks are connected to the UNIBUS.

LMS2	LMS1	LMS0	
0	0	0	0 Local Memory
0	0	1	4K Local Memory
0	1	0	8K Local Memory
0	1	1	12K Local Memory
1	0	0	16K LOCAL MEMORY

Bit 14 - API 3 DONE flag - when a 1 indicates that there is no API level 3 request pending before the PDP-15. When a 1 also indicates that 767762 high byte may be loaded with a new API level 3 address to cause a new API interrupt at level 3 and set the API 3 flag in the DR15-C.

Bit 15 - API 1 DONE flag - when a 1 indicates that there is no API level request pending before the PDP-15. When a 1 also indicates that 767772 high byte may be loaded with a new API level 1 address to cause a new API interrupt at level 1 and set the API1 in the DR15-C.

Bit 6 - API 2 DONE flag - when a 1 indicates that there is no API level 2 request pending before the PDP-15. When a 1 also indicates that 767762 low byte may be loaded with a new API level 2 address to cause a new API interrupt at level 2 and set the API 2 flag in the DR15-C.

Bit 7 - API 0 DONE flag - when a 1 indicates that there is no API level 0 request pending before the PDP-15. When a 1 also indicates that 767772, low byte may be loaded with a new API level 0 address to cause a new API interrupt at level 0 and set the API0 flag in the DR15-C.

Bit 14 - API 3 DONE flag - when a 1 indicates that there is no API level 3 request pending before the PDP-15. When a 1 also indicates that 767762 high byte may be loaded with a new API level 3 address to cause a new API interrupt at level 3 and set the API3 flag in the DR15-C.

Bit 15 - API 1 DONE flag - when a 1 indicates that there is no API level request pending before the PDP-15. When a 1 also indicates that 767772 high byte may be loaded with a new API level 1 address to cause a new API interrupt at level 1 and set the API1 in the DR15-C.

(CSR) 767760 Bit 6 - ENABLE TCBP (Task Control Block Pointer) INTERRUPT - when a 1 allows an interrupt on BR level 7 to TV 310 upon receipt of a new TCBP from the PDP-15.

Bit 7 - NEW TCBP flag - is set to a 1 whenever the PDP-15 issues IOT 706006 thus placing a new TCBP in 767764 and bits 0 and 1 of 767774. It is cleared by the PDP-11 doing a DATI to location 767764.

(ODB) 767762 Low byte - contains the API address for an API level 2 break. Same conditions as 767772 low byte.

High byte - contains the API address for an API level 3 break. Same conditions as 767772.

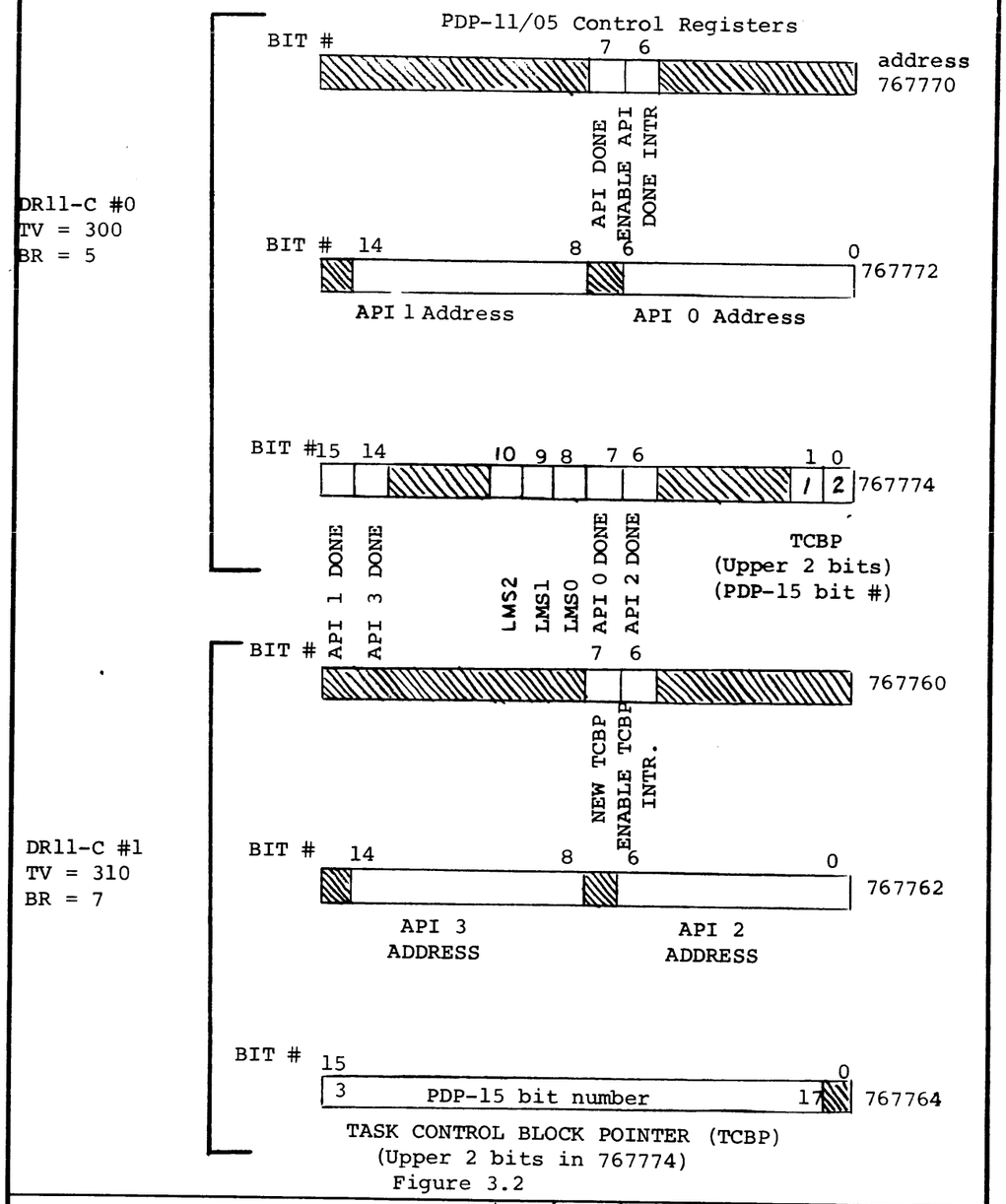


Figure 3.2

(IDB) 767764 TCBP (Task Control Block Pointer) - bits 3-17. This contains the lowest 15 bits of the address sent by the PDP-15. Note that address is "word" aligned. Note also that doing a DATI to this register lowers the New TCBP flag (767760 bit 7) and also sets the Done flag cleared by IOT 706002 in the PDP-15.

3.1.2.2 PDP-15 IOT'S

706001 SIOA - Skip I/O data Accepted. Tests whether the TCBP done flag is set indicating the PDP-11 has read the TCBP and skips the next location if the done flag is a 1.

706002 CIOD - Clear I/O Done. Clears the TCBP done flag.

706006 LIOR - Load I/O Register and clear TCBP done flag. Places the contents of the PDP-15 "AC" into an 18 bit buffer register. The output of the buffer register is seen by the PDP-11 as TCBP at location 767764 and bits 0 and 1 767774. This IOT also causes the TCBP done flag to be cleared.and in the PDP-11 causes bit 7 to be set in location 767760 which in turn causes the PDP-11 to do an Interrupt at BR 7 to TV location 310.

706112 RDRS - Read Status register. Clears the AC and loads the contents of the DR15-C status register into the AC. (This effectively moves the DR15-C enable interrupt bit into bit 17 of the AC.)

706122 LDRS - Load Status register. Loads the contents of the AC into the DR15-C status register. (Places value of AC bit 17 in the DR15-C "enable interrupts" bit.)

706104 CAPI0 - Clear API0 flag in DR15-C.

706124 CAPI1 - Clear API1 flag in DR15-C.

706144 CAPI2 - Clear API2 flag in DR15-C.

706164 CAPI3 - Clear API3 flag in DR15-C.

706101 SAPI0 - Test the API0 flag in the DR15-C and skips the next instruction of the flag is 1.

706121 SAPI1 - Tests the API1 flag in the DR15-C and skips the next instruction if the flag is 1.

706141 SAPI2 - Tests the API2 flag in the DR15-C and skips the next instruction if the flag is 1.

706161 SAPI3 - Tests the API3 flag in the DR15-C and skips the next instruction is the flag is 1.

15 Status Register DR15-C

Bit 17 - enable PI/API interrupts. When a 1 enables interrupts, when 0 disables interrupts from the PDP-11 processor. Note this bit is set to a 1 by Initialize and the CAF instruction. It can only be cleared by using the LDRS (IOT 706122) instruction.

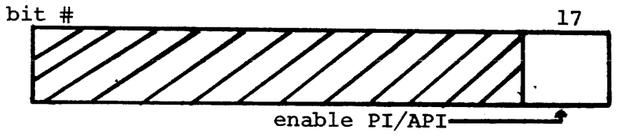


Figure 3.1

3.1.2.4 Hardware Configuration

Figure 3.2 shows the accessible registers in the PDP-11. Note that there are two DR11-C options attached to the PDP-11. One is used for API levels 0 and 1, the second for API levels 2 and 3. The cables from the DR11-C's will go to a DR15-C to cause the API interrupts in the 15 and to receive the TCBP from the 15.

3.2 Special Maintenance Instructions

See section 3.1.2.1, address 767770, bits 6 and 7.

3.3 Data Formats

None, other than described in section 3.1.2.4

3.4 CAF/RESET Limitations

The following timing considerations are of interest to programmers.

A RESET instruction may cause the PDP-15 to incorrectly read the API address. The Console RESET and CAF instruction may violate UNIBUS specifications. Hence, random "initialize" pulses may cause system malfunctions. The following guidelines must always be followed:

1. CAF must not be executed while there is a Task Control Block Pointer (TCBP) waiting to be read by the PDP-11/05.

2. RESET must not be executed while there are API requests pending for the PDP-15.

3. RESET must not be executed if there is any NPR activity on the UNIBUS. All active NPR devices must be shut down in a power fail sequence prior to executing RESET.

Following Power Up, the PDP-11/05 processor must wait a minimum of 1 second before attempting to access common PDP15 memory.

3.5 Operator Controls

None on DR15-C, MX15-B, or DR11-C.

3.6.0 Programming Specifications

The DEC CHANNEL 15 specifications are designed to establish the PDP-15 as the "master" processor and the PDP-11 as the slave. It is assumed that tasks to be run on the PDP-11 are "set up" and "requested" by the PDP-15.

Briefly, the communication between the PDP-15 and the PDP-11 would be as follows.

First, set up Task Control Block in common memory with PDP-15. Information for a disk transfer would be: disk sector desired, starting memory address, API level and address to signal completion and device code specifying disk, etc. The address of the first word in the TCB would be put in the AC and moved to the 11 with IOT LIOR (706006) and becomes the TCBP.

The PDP-11 would be interrupted, read the TCBP, use it to obtain the Task priority from the TCB and queue the task in the proper queue and return to the routine that was interrupted.

Eventually the PDP-11 will execute the task, in this case, the disk transfer would be complete, and the PDP-11 will use the TCB to obtain an API address and level and interrupt the PDP-15 at that address and level.

Note that up to 4 such interrupts may be requested without the PDP-15 having to respond. Note also that since each API level request sets a separate flag, 4 "skip flags" are available for systems without API.

4. Interface specifications

All interfaces are standard to the Paricular options of which they are a part.

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

DATE 1/25/73

TITLE UC15 CUSTOMER ACCEPTANCE PROCEDURE

REVISIONS

REV	DESCRIPTION	CHG NO	ORIG	DATE	APPD BY	DATE
A	ECO CHANGE	UC15F-3	F. DOLL	4/74		
B	ECO CHANGE	UC15-3	F. DOLL	4-76		

1.0 SCOPE

1.1 The following steps will be followed to accept and insure that all necessary paper work, diagnostics, etc., are included with the UC15.

2.0 HARDWARE AND SOFTWARE

2.1 Refer to Appendix I and II for a complete list of the necessary hardware and software.

3.0 TEST SOFTWARE

3.1 ABSL-11 Loader.

3.2 UC15 Diagnostics.

3.3 PDP-15 System Exercisor with UC15 Module.

3.4 DEC X-11 Exercisor with UC15 Module.

3.5 The following procedure will be followed step by step to insure the quality of the option.

3.5.1 Visually inspect for loose bolts, power plugs, modules, punched cables or bent pins.

3.5.2 Insure that all modules and cables are in their proper slots and well inserted.

3.5.3 Insure that all fans in the cabinet operate.

3.5.4 Load the UC15 diagnostic. Start the test and allow it to make five passes, error free, in sequential mode. Set PDP-15 AC switch 10 to a one for random test operation. Run the test for two passes.

3.5.5 When all devices have been checked, load and run system exercisor with all options that are on the system for at least fifteen minutes.

ENG	APPD	SIZE	CODE	NUMBER	REV
R C Gray	R C Gray	A	SP	UC15-Ø-4	B

ENGINEERING SPECIFICATION [redacted] CONTINUATION SHEET

TITLE UC15 CUSTOMER ACCEPTANCE PROCEDURE

3.5.6 At the completion of these steps, the acceptance of the UC15 will be complete.

NOTE: All PDP-11 diagnostic are loaded with the ABS-11 loader. For a printout, disconnect the 15 console TTY and connect it to the 11/05. Connect the dummy TTY plug to the 15 console TTY cable to prevent constant interrupts from occurring on the PDP-15. Without the TTY plug installed, the hardware read in will not work on the 15.

SIZE	CODE	NUMBER	REV
A	SP	UC15-Ø-4	B

APPENDIX I

Hardware Checklist for UC15

One PDP11 with UC15 Logo (7410674-0-0).

One MX15B ON NON XVM UC15.

One DR15C.

One UC15 cabinet with a ground strap mounted.

Two DR11C's with priority jumper, level #7 (5408782) on DR11 #1 and priority jumper level #5 (5408778) on DR11 #Ø.

One level #5 (5408778) priority jumper for DR11C test.

One 861 power control.

One H740-D power supply.

One panel assembly 7006803 (7006060 for 240V).

One AC remote power control cable.

One dummy TTY plug.

One BC01S-03 TTY extention cable.

Four BC08R-10 DR11 cables.

Two BC08R-1 DR11C test cables.

One 7008360 Berg to TTY cable assembly.

One BC11A-8F Unibus cable.

MDL cables as specified in UC15 configuration specification.

I/O bus as specified in UC15 configuration specification.

One H950-P cover panel.

Two H950-Q if no options are above 11/05.

One H950-KA "pop off" short door.

One rear door.

One box 5A fuses.

One box 7A fuses.

APPENDIX II

Software Check List for UC15

Keysheet with ECO status contained.

Customer Acceptance Form.

Installation report.

Items on A-AL-UC15-Ø-5

Items on A-SL-UC15-Ø-6

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

ACCESSORY LIST

MADE BY V. SOUZA DATE 1/19/73	CHECKED R.J. GBlanc DATE 1-20-73	SECTION 1
ENG DATE A. HELENIUS	PROD Da Souza DATE 2/5/73	ISSUED SECT. 1

LEGEND

D DOCUMENT
DN DOCUMENT CHANGE NOTICE
PA PAPER TAPE ASCII
PB PAPER TAPE BINARY
PM PAPER TAPE READ-IN-MODE

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION UC15 (F-J)	UC15-K	UC15-M	UC15-P				KIT CHECK BY ____ DATE ____	INSTALLATION CHECK BY ____ DATE ____
1	D-UA-UC15-Ø-Ø	DUMMY TTY PLUG	1	-	-	-					
2	C-UA-BCØ1S-Ø3-Ø	TTY EXTENTION CABLE	1	-	-	-					
3	D-IA-7008360-0-0	BERG TO TTY CABLE ASSY	1	-	-	-					
4	D-UA-BCØ8R-Ø1-Ø	BERG TO BERG CABLE ASSY	2	2	2	2					
5	C-IA-5408778-0-0	LEVEL 5 PRIORITY JUMPER PLUG	1	-	-	-					
6	DEC-11-HØ5AA-A-D	PDP 11/05 MAINTENANCE MANUAL	1	-	-	-					
7	DEC-11-HDRCA-A-D	DR11-C MAINTENANCE MANUAL	1	1	1	1					
8	DEC-11-HUCMA-A	UC15 MAINTENANCE MANUAL	1	1	1	1					
9	B-DD-11/05-Ø	PDP 11/05 CUSTOMER PRINT SET	1	-	-	-					
10	B-DD-DR11-C	DR11-C CUSTOMER PRINT SET	1	1	1	1					
11	B-DD-UC15-Ø	UC15 CUSTOMER PRINT SET	1	1	1	1					
12	B-DD-H740-D	H740 CUSTOMER PRINT SET	1	1	1	1					
13	B-DD-861-Ø	861 CUSTOMER PRINT SET	1	1	1	1					
14	9007221	FUSE 5 AMP GLASS	5	5	5	5					
15	9007224	FUSE 7 AMP GLASS	5	5	5	5					
16	9107673-6	CORD 14/3 WIRE (BLACK)	1	1	1	1					
17	A-AL-11/4Ø-Ø-4	11/4Ø ACCESSORY LIST	-	-	1	-					
18	A-SH-11/34-0-0	11/34 ACCESSORY LIST	-	-	-	1					

TITLE	ASSY. NO.	SIZE	CODE	NUMBER	REV.	ECO NO
ACCESSORY LIST UC15-Ø	D-UA-UC15-Ø-Ø	A	AL	UC15-Ø-5	B	UC15 - 00003
	SHEET 1 OF 1	DIST.				

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

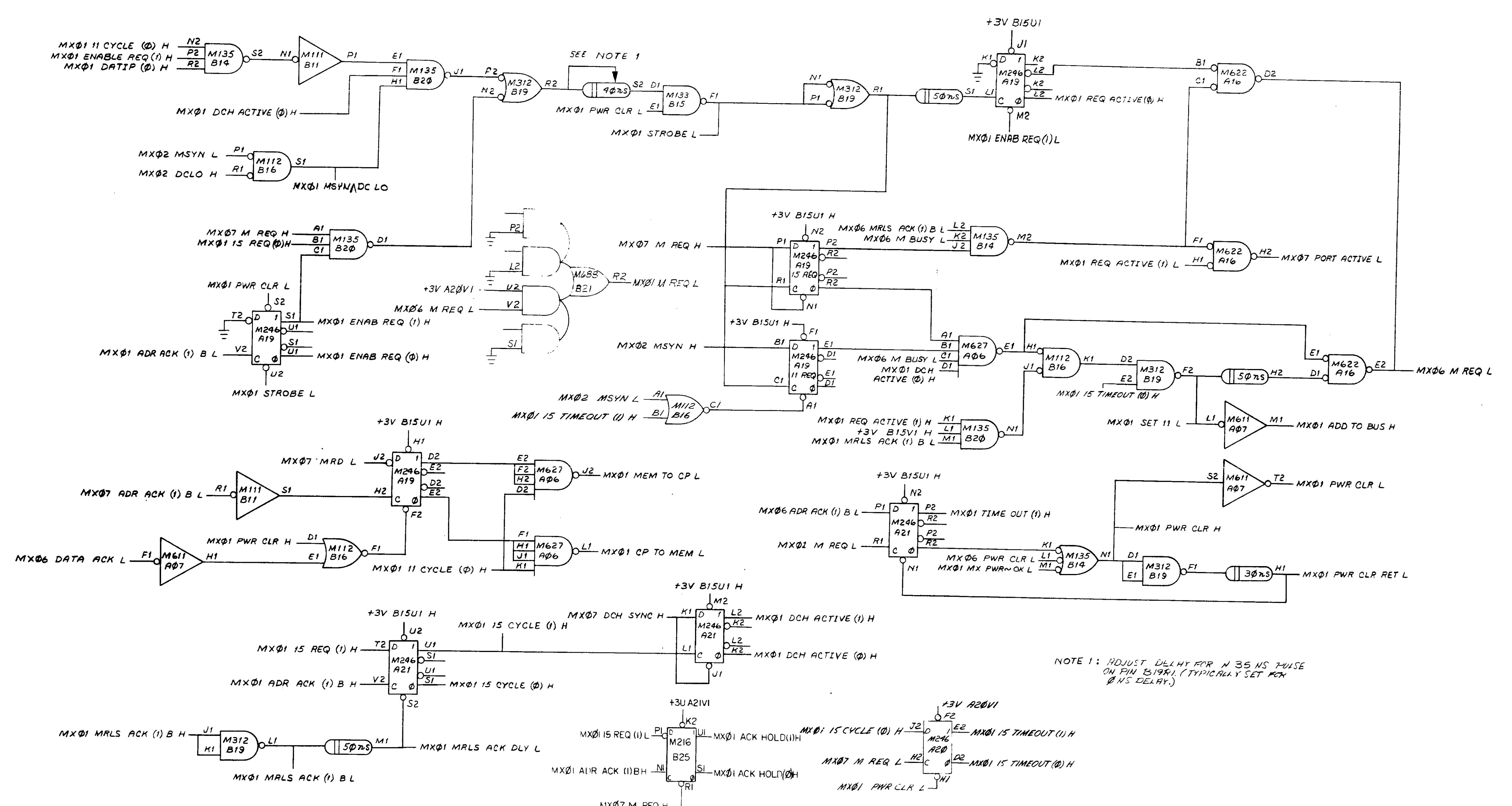
SOFTWARE LIST

MADE BY V.E Longo	CHECKED R.J. LeBlanc	SECTION 1
DATE 1/19/73	DATE 1-20-73	
ENG A. HELENIUS	PROD D a Longo	ISSUED SECT. 1
DATE	DATE 2/5/73	

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION										
			UC15-FA	UC15-FB	UC15-FE	UC15-FF	UC15-H	UC15-J	UC15-K	UC15-M	UC15-P		
1	LIBKIT 11/05 BASEA-A-K	PDP-11/05 Basic Diagnostic Kit	1	1	1	1	1	1	1	–	–		
2	LIBKIT-11-DR11C-Ø1	DR11-C Diagnostic Kit	1	1	1	1	1	1	1	1	–		
3	LIBKIT-15-UC15A-A-K	UC15 Diagnostic Kit - 4K Paper Tape	1	1	–	–	–	–	–	–	–		
4	LIBKIT-15-UC15B-A-K	UC15 Diagnostic Kit - 8K Paper Tape	–	–	1	1	1	1	1	–	–		
5	LIBKIT-15-UC15D-A-K	UC15 Diagnostic Kit - Paper Tape Modular		NOTE 1									
6	LIBKIT-11/40 BASE	PDP-11/4Ø DIAGNOSTIC KIT	–	–	–	–	–	–	–	1	–		
7	LIBKIT-ZJØIØ-RB	PDP-11/34 DIAGNOSTIC KIT	–	–	–	–	–	–	–	–	1		
8	LIBKIT-ZM146	XVM SYSTEM EXERCISER	–	–	–	–	–	1	1	1	1		
		NOTE 1: Ship when Paper Tape Reader/Punch is also shipped with UC15.											

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
UNICHANNEL 15 SOFTWARE LIST	D-UA-UC15-Ø-Ø	A	SL	UC15-Ø-6	B	UC15-00003
	SHEET 1 OF 1	DIST.				

DEC FORM DEC 16-(325)-1031-N870
DRA 110



FIRST USED ON OPTION/MODEL: UC15	QTY.	DESCRIPTION	PART NO / ITEM NO
	PARTS LIST		

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES
DECIMALS: XXX ± .005, XX ± .02, X ± 1
ANGLES: ± 0° 30'
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓
MATERIAL —//—
FINISH —//—

DRN. — DATE 12-7-72
CHKD. — DATE
ENG — DATE
PROJ. ENG. — DATE
PROD — DATE
NEXT HIGHER ASSY. B-DD-UC15-Ø
SCALE —
SHEET 1 OF 2

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: MX CONTROL

SIZE: D — CODE: BS — NUMBER: MX15-B-Ø1 — REV: D

REVISIONS

REV	CHANGE NO	CHK
A	MX15B-00001	
B	MX15B-00002	
C	UC15F-00003	
D		

DEC FORM NO DRD 102-B

MXØ1 ADR ACK (1) B H
MXØ1 II CYCLE (1) H
MXØ1 DATOB L
M135 B2Ø
MXØ1 DATA (1) H
MXØ1 SSYN CLK L
M246 A2Ø
MXØ1 DATA (Ø) H
MXØ1 PWR CLR L

MXØ1 BUS INIT L
MXØ2 WRITE L
M135 B2Ø
M611 A07
MXØ1 MDL TO BUS H
MXØ2 DATOB L
MXØ2 WRITE H
M135 B2Ø
MXØ1 DATA TO MDL L

MXØ1 SET II H
MXØ1 SSYN CLK L
M246 A2Ø
MXØ1 II CYCLE (1) H
MXØ1 II CYCLE (Ø) H
MXØ2 DCLO H
MXØ1 PWR CLR H
M112 B16

MXØ1 CHANGE (1) L
MXØ1 DATA (1) L
+3V B15V1 H
M311 A22
125 N.S
M112 B16
M622 A16
MXØ6 MRLS L

MXØ1 DATIP (Ø) H
MXØ1 II CYCLE (1) H
MXØ2 WRITE H
M135 B14

MXØ2 DATOB H
MXØ1 REG LOAD H
MXØ1 ENAB 15 C L
M135 B14
M246 A21
MXØ1 SSYN L
MXØ1 PWR CLR L
MXØ1 CHANGE (Ø) H

MXØ1 DONE (1) L
M133 B15
MXØ1 ENAB 15 C L
MXØ1 DATOB H
MXØ2 AØØ H
M627 B22
MXØ1 LO BYTE TO MDL L
MXØ1 DATA TO MDL L
+3V B15V1 H
MXØ1 HI DATA TO MDL H
MXØ1 HI BYTE TO MDL L
MXØ1 LO DATA TO MDL H

M622 A15
MXØ6 DATA ACK L

+3V B15U1 H
MXØ1 SSYN L
M246 A2Ø
MXØ2 WRITE H
M622 A16
M622 A16
MXØ6 MRLS L
MXØ1 MRLS ACK (1) B H
MXØ2 DCLO H
M112 B16
MXØ1 DONE (Ø) H
MXØ1 DATIP (1) L
MXØ2 WRITE L
M133 B15

MXØ2 DATIP L
MXØ1 DATIP (1) H
MXØ2 MSYN H
MXØ1 DATIP (Ø) H
MXØ1 PWR CLR L

MXØ6 MRLS ACK (1) B L
M111 B11
MXØ1 MRLS ACK (1) B H

MXØ6 MRLS L
M111 B11
MXØ2 WRITE H
MXØ2 MSYN H
MXØ1 II CYCLE (1) H
M627 A06
M133 B15
MXØ2 WRITE L
MXØ1 REG LOAD H
MXØ1 DATIP (Ø) H
M135 B2Ø
MXØ1 SSYN CLK L
M611 A07
MXØ1 SSYN L

MXØ7 BUS INIT L
N784 AØ3
M111 B11
MXØ1 BUS INIT L
M783 BØ3
MXØ7 BUS SSYN L

MXØ1 MSYN/DCLO H
M611 A07
MXØ1 DISABLE PCL (1) H
MXØ1 TIMEOUT (1) L
MXØ1 MRLS ACK DLY L
M133 B15
M611 A07
M246 A21
MXØ1 DISABLE PCL (Ø) H
+3V A2Ø V1
M688 B21
+5
B16
M627 B22
MXØ1 BUS INIT L
M111 B11
+3V A2Ø V1

MXØ2 DATOB L
M111 B11
MXØ1 DATOB H

MXØ6 RD RST (1) B L
M611 A07
MXØ1 REG LOAD H

MXØ1 II CYCLE (Ø) H
M611 A07
MXØ1 ENAB 15 C L

MXØ6 ADR ACK (1) B L
M111 B11
MXØ1 ADR ACK (1) B H

MXØ1 ADR ACK (1) B H
M111 B11
MXØ1 ADR ACK (1) B L

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UC15		PARTS LIST		

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES
DECIMALS: XXX ± .005, .XX ± .02, .X ± .1 — ANGLES: ± 0° 30'
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓
MATERIAL
FINISH

DRN. — DATE 12-7-72
CHKD P.J.C. Blair — DATE 14 Dec '72
ENG. A. Hakanian — DATE 1/31/73
PROJ. ENG. R.C. Gray — DATE 1/31/73
PROD. D.C. Thorp — DATE 2/15/73

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: MX CONTROL

NEXT HIGHER ASSY. B-DD-UC15-(/)
SCALE
SHEET 2 OF 2

SIZE	CODE	NUMBER	REV.
D	BS	MX15-B-ØI	D

DIST.

REVISIONS | REV. | CHANGE NO. | CHK.

BRUNING 40-522 15840
DEC FORM NO DRD 102-B

SIZE D BS NUMBER MX15-B-ØI REV D

MX07 BUS A00 L — U2 M784 A05 — V2 — MX02 A00 H

MX02 A00 H — D1 M111 B11 — E1 — MX02 A00 L

C0	C1	FUNCTION
L	L	DATO B
H	L	DATO
L	H	DATI P
H	H	DATI

PWR	MRD	FUNCTION
H	L	READ/RESTORE
L	H	CLEAR/WRITE
L	L	READ/PAUSE/WRITE

MX07 BUS D07 L — D1 M784 A03 E1 — D1 D2 E1 E2 M621 B05 — E2 — MX06 MDL 10 (1) L

MX07 BUS A08 L — F1 M784 A03 H1

MX07 BUS D06 L — J1 M784 A03 K1 — F1 M621 B05 — H2 — MX06 MDL 11 (1) L

MX07 BUS A07 L — L1 M784 A03 M1

MX07 BUS D05 L — N1 M784 A03 P1 — J1 M621 B05 — K2 — MX06 MDL 12 (1) L

MX07 BUS A06 L — R1 M784 A03 S1

MX07 BUS D04 L — V1 M784 A03 U1 — L1 M621 B05 — M2 — MX06 MDL 13 (1) L

MX07 BUS A05 — C1 M784 A03 D2 — M1

MX07 BUS D03 L — E2 M784 A03 F2 — N1 M621 B05 — P2 — MX06 MDL 14 (1) L

MX07 BUS A04 — K2 M784 A03 J2 — P1

MX07 DCLO L — V1 M784 A05 U1 — K2 M611 A07 L2 — * MX02 DCLO L

MX02 DCLO H

MX01 ADD TO BUS H

MX01 LO DATA TO MDL H

MX07 BUS MSYN L — J1 M784 A04 K1 — K2 M627 A06 — MX02 MSYN L

N1 M611 A07 P1 — MX02 MSYN H

MX04 A13 H — C1 M135 B14 P1 — U2 M112 B16 V2 — T2 — +5 B22 — P1 R1 M135 B20 U1 — S1 U1

MX04 A14 H — B1

MX04 A15 H — A1

MX04 A16 H — R2 M133 B15 S2 — P2

MX04 A17 H

COMES FROM M784 A05

MX04 CARRY OUT H

MX07 BUS D02 L — K2 M784 A03 L2 — R1 — M621 B05 — S2 — MX06 MDL 15 (1) L

MX07 BUS A03 L — M2 M784 A03 N2 — S1

MX07 BUS D01 L — P2 M784 A03 R2 — L2 M133 B15 N2 — C1 M622 A25 D2 — MX06 MDL 16 (1) L

MX07 BUS A02 L — S2 M784 A03 T2 — M2 — B1

MX07 BUS D00 L — U2 M784 A03 V2 — P1 R1 M135 B14 U1 — D1 E1 M622 A25 E2

MX07 BUS A01 L — A1 M784 A04 B1 — M2 J2 M133 B15 K2 — F1 H1 M622 A25 H2 — MX06 MDL 17 (1) L

MX01 ADD TO BUS H — P1 R1 M133 B15 S1 — J1 K1 M622 A25 K2

MX01 LO DATA TO MDL H — S1

H2 — B1 — M688 B21 E1 — C1 — MX06 M PWR-OK L — D1 — MX02 DISABLE L — B22V2 — +5 — K2

MX02 WRITE L — E1 H1 F1 M135 B14 J1 — MX02 DATIP L

MX01 ADD TO BUS H

MX07 BUS C0 L — D1 M784 A01 E1 — P2 M112 B16 S2 — U1 M622 A16 V2 — MX06 MWR L

MX07 BUS C1 L — F1 M784 A01 H1 — R2 — V1

T2 M133 B15 V2 — MX02 DATOB L

U2

E2 M111 B11 F2 — MX02 WRITE L

MX02 WRITE H — R1 M622 A16 S2 — MX06 MRD L

L2 M112 B16 W2 — S1

M2

MX01 SET 11 L

* THIS SIGNAL GOES TO THE DA15C B13-A1

REVISIONS			REV
CHK	CHANGE NO		
[illegible]	MX15B-00001	REVISED & REDRAWN B. GRAY R.C. 1/14/74	A
[illegible]	UC15F-00003	E. REMINO 6-18-74 F. DOLL 1-20-74	B
[illegible]	MX15B-00003	F. DOLL 1-20-74	C
[illegible]	MX15B-00004	F. DOLL 1-23-75	D

FIRST USED ON OPTION/MODEL
UC15

DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS ± .005 | FRACTIONS ± 1/64 | ANGLES ± 0°30'
FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL —

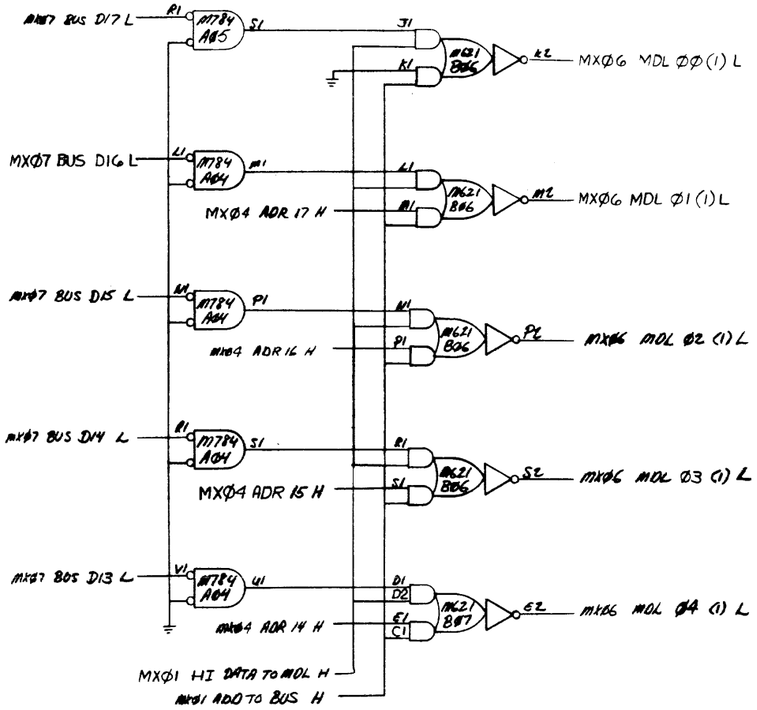
FINISH —

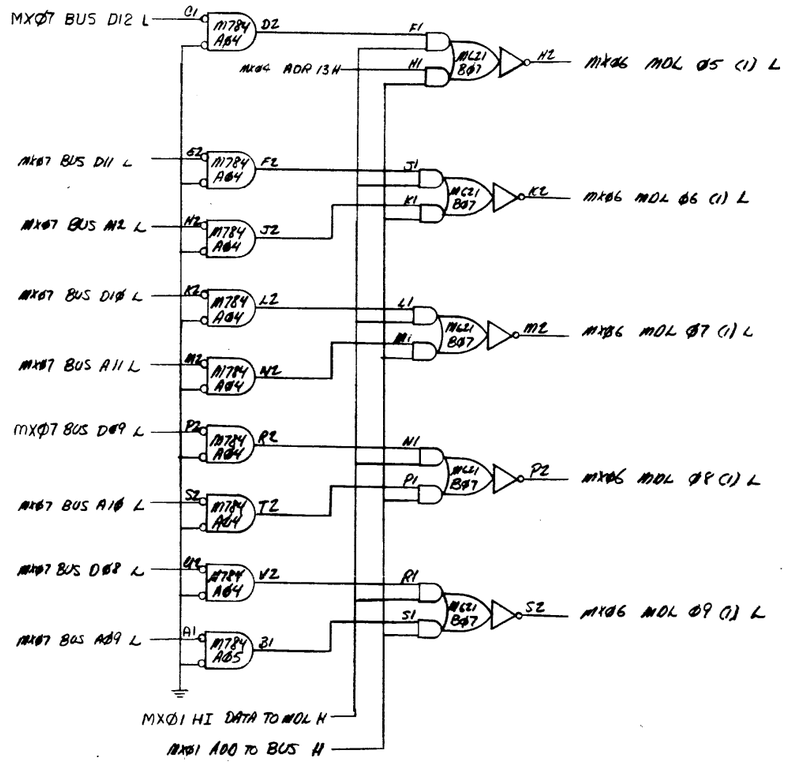
QTY.	DESCRIPTION	PART NO.	ITEM NO.

PARTS LIST

DRN. A. HELENIUS	DATE 10-23-72	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS
CHK'D P.J. LeBlanc	DATE 12-18-72	
ENG. A. HELENIUS	DATE 1-31-73	TITLE: 11 ARRIVING (LOW ORDER BITS)
PROJ. ENG. R.C. GRAY	DATE 1-31-73	
PROD D.A. SBREGA	DATE 2-5-73	
NEXT HIGHER ASSY B-DD-UC15-0		SIZE D | CODE BS | NUMBER MX15-B-02 | REV D
SCALE —		
SHEET 1 OF 1		DIST.

DEC FORM NO DRD 101





REVISIONS			
CHK	CHANGE NO.	REV.	
DH	UC15F-000003	A	
E. EDMONDS 6/17/74			
F. DOLL			
F. Doll 7/25/74			

DEC FORM NO. DIRD 102 A

FIRST USED ON OPT/MOD: UC15

UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS ± .005 | FRACTIONS ± 1/64 | ANGLES ± 0°30'
FINAL SURFACE QUALITY √
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL

FINISH

QTY.	DESCRIPTION	PART NO.	ITEM NO.
	PARTS LIST		

DRN. H. HELENIUS	DATE 10/19/72	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHK'D. R. Glover	DATE 11/Dec/72	
ENG. H. HELENIUS	DATE 1/8/73	
PROJ. ENG. R.C. Glover	DATE 1/31/73	
APPD. R.C. Glover	DATE 2/5/73	

NEXT HIGHER ASSY: B-DD-UC15-Ø

SCALE

SHEET 1 OF 1

TITLE: 11 ARRIVING (HIGH ORDER BITS)

SIZE	CODE	NUMBER	REV.
D	BS	MX15-B-Ø3	A

DIST.

SIZE D | CODE BS | NUMBER MX15-B-Ø3 | REV A

MXØ6 MDL 17 (1) L → M111 BIØ (A1→B1) → M783 BØ3 (B1→C1) → MXØ7 BUS DØØ L
MXØ6 MDL 16 (1) L → M111 BIØ (C1→D2) → M783 BØ3 (A1→E2) → MXØ7 BUS DØ1 L
MXØ6 MDL 15 (1) L → M111 BIØ (D1→E1) → M783 BØ3 (E1→H2) → MXØ7 BUS DØ2 L
MXØ6 MDL 14 (1) L → M111 BIØ (F1→H1) → M783 BØ3 (D1→K2) → MXØ7 BUS DØ3 L
MXØ6 MDL 13 (1) L → M111 BIØ (J1→K1) → M783 BØ3 (M1→M2) → MXØ7 BUS DØ4 L
MXØ6 MDL 12 (1) L → M111 BIØ (L1→M1) → M783 BØ3 (L1→P2) → MXØ7 BUS DØ5 L
MXØ6 MDL 11 (1) L → M111 BIØ (N1→P1) → M783 BØ3 (R1→S2) → MXØ7 BUS DØ6 L
MXØ6 MDL 10 (1) L → M111 BIØ (R1→S1) → M783 BØ3 (P1→U2) → MXØ7 BUS DØ7 L
MXØ6 MDL Ø6 (1) L → M111 BIØ (K2→L2) → M783 BØ (V2→F2) → MXØ7 BUS D11 L
MXØ6 MDL Ø8 (1) L → M111 BIØ (E2→F2) → M783 BØ3 (L2→N2) → MXØ7 BUS DØ9 L
MXØ6 MDL Ø7 (1) L → M111 BIØ (H2→J2) → M783 BØ3 (S1→T2) → MXØ7 BUS D1Ø L
MXØ1 MDL TO BUS H → M783 BØ3 (F1, H1)

NOTE:
1. THE OUTPUT OF M111 BIØ & B11 ARE USED AS MXØ4 MDL XX (1) H.

* FOR 8K OF LOCAL MEMORY JUMPER POST 'E' TO POST '4'

FOR 12K OF LOCAL MEMORY
JUMPER POST D TO 3 POST

FOR 4K OF LOCAL MEMORY
REMOVE ALL JUMPERS
FOR 16K OF LOCAL MEMORY JUMPER POST D TO POST 3 AND POST E TO POST 4.

FOR 32K OF LOCAL MEMORY
JUMPER POST C TO 2, D TO 3, & E TO 4.

FOR 64K OF LOCAL MEMORY
JUMPER POST B TO 1, C TO 2, D TO 3, & E TO 4.

MXØ6 MDL Ø9 (1) L → M111 BIØ (V1→U1) → M783 BØ4 (B1→C1) → MXØ7 BUS DØ8 L
MXØ6 MDL Ø5 (1) L → M111 BIØ (M2→N2) → M783 BØ4 (A1→E2) → MXØ7 BUS D12 L
MXØ6 MDL Ø4 (1) L → M111 BIØ (P2→R2) → M783 BØ4 (E1→H2) → MXØ7 BUS D13 L
MXØ6 MDL Ø3 (1) L → M111 BIØ (S2→T2) → M783 BØ4 (D1→K2) → MXØ7 BUS D14 L
MXØ6 MDL Ø2 (1) L → M111 BIØ (U2→V2) → M783 BØ4 (M1→M2) → MXØ7 BUS D15 L
MXØ6 MDL Ø1 (1) L → M111 B11 (K2→L2) → M783 BØ4 (L1→P2) → MXØ7 BUS D16 L
MXØ6 MDL ØØ (1) L → M111 B11 (M2→N2) → M783 BØ4 (R1→S2) → MXØ7 BUS D17 L
MXØ1 MDL TO BUS H → M783 BØ4 (F1, H1)
+3V B15U1 H

MXØ7 BUS A17 L → M784 AØ5 (D1→E1)
MXØ7 BUS A16 L → M784 AØ5 (F1→H1)
MXØ7 BUS A15 L → M784 AØ5 (J1→K1)
MXØ7 BUS A14 L → M784 AØ5 (L1→M1)
MXØ7 BUS A13 L → M784 AØ5 (N1→P1)

* G74Ø B13: A1→O0 O A; C1→O1 O B; E1→O2 O C; H1→O3 O D; K1→O4 O E; M1→O5 O F; P1→O6 O H; S1→O7 O J; D2, F2, J2, L2, N2, S2, T2, V2

M164 B12: L1, M2, N2, P2, E1, D2, F2, B2, H2, B3, K2, R3, S2, P4, T2, B4, U2, B5, V2, B5 → D1, E2, M1, J1, B1, A1, C1, M2, M3, V1, J1, M4, M5

MXØ4 CARRY OUT H
MG11 AØ7 (R1→S1) → MXØ4 ADR 17 H
MG11 AØ7 (P2→R2) → MXØ4 ADR 16 H
M111 B11 (P2→R2) → MXØ4 ADR 15 H
M111 B11 (S2→T2) → MXØ4 ADR 14 H
M111 B11 (U2→V2) → MXØ4 ADR 13 H

REVISIONS	CHK	CHANGE NO	REV
		UC15F-000003	A
E. KENDRICK 6-17-74			
F. DOLL			
		UC15-00002	B
F. DOLL 9-12-75			
		UC15-00004	C
F. DOLL			

BRUNING 40-522 15840 DEC FORM NO DRD 102-B

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO	ITEM NO.
UC15		PARTS LIST		

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES
DECIMALS: XXX ± .005, XX ± .02, X ± 1 — ANGLES: ± 0° 30'
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓
MATERIAL
FINISH

DRN M. Sokol DATE 12-11-72
CHKD P.S. McLaw DATE 1-10-73
ENG. M. McLEARNS DATE 1/8/73
PROJ. ENG. K.C. Grey DATE 1/31/73
PROD. D.A. Ibuza DATE 2/5/73
NEXT HIGHER ASSY. B-DD-UC15-Ø
SCALE —
SHEET 1 OF 1

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: UNIBUS DATA

SIZE	CODE	NUMBER	REV.
D	BS	MX15-B-Ø4	C

DIST.

FROM 15 — TO MEMORY

MXØ7 MDL ØØ (I) L — M622 A10 BI CI — D2 — MXØ6 MDL ØØ (I) L
MXØ7 MDL Ø1 (I) L — M622 A10 DI EI — E2 — MXØ6 MDL Ø1 (I) L
MXØ7 MDL Ø2 (I) L — M622 A10 FI HI — H2 — MXØ6 MDL Ø2 (I) L
MXØ7 MDL Ø3 (I) L — M622 A10 JI KI — K2 — MXØ6 MDL Ø3 (I) L
MXØ7 MDL Ø4 (I) L — M622 A10 LI MI — M2 — MXØ6 MDL Ø4 (I) L
MXØ7 MDL Ø5 (I) L — M622 A10 NI PI — P2 — MXØ6 MDL Ø5 (I) L
MXØ7 MDL Ø6 (I) L — M622 A10 UI VI — V2 — MXØ6 MDL Ø6 (I) L
MXØ7 MDL Ø7 (I) L — M622 A10 RI SI — S2 — MXØ6 MDL Ø7 (I) L
MXØ7 MDL Ø8 (I) L — M622 A11 UI VI — V2 — MXØ6 MDL Ø8 (I) L
MXØ7 MDL Ø9 (I) L — M622 A11 RI SI — S2 — MXØ6 MDL Ø9 (I) L
MXØ7 MDL 10 (I) L — M622 A11 NI PI — P2 — MXØ6 MDL 10 (I) L
MXØ7 MDL 11 (I) L — M622 A11 LI MI — M2 — MXØ6 MDL 11 (I) L
MXØ1 CP TO MEM L

MXØ1 DCH ACTIVE (I) H — M622 A25 LI MI — M2 — MXØ6 DCH SYNC H

MXØ7 MDL 12 (I) L — M622 A11 JI KI — K2 — MXØ6 MDL 12 (I) L
MXØ7 MDL 13 (I) L — M622 A11 FI HI — H2 — MXØ6 MDL 13 (I) L
MXØ7 MDL 14 (I) L — M622 A11 DI EI — E2 — MXØ6 MDL 14 (I) L
MXØ7 MDL 15 (I) L — M622 A11 BI CI — D2 — MXØ6 MDL 15 (I) L
MXØ7 MDL 16 (I) L — M622 A12 BI CI — D2 — MXØ6 MDL 16 (I) L
MXØ7 MDL 17 (I) L — M622 A12 DI EI — E2 — MXØ6 MDL 17 (I) L
MXØ1 CP TO MEM L
MXØ7 MDL PAR (I) B L — M622 A13 JI KI — K2 — MXØ6 MDL PAR (I) B L
MXØ7 MRD L — M622 A13 CI BI — D2 — MXØ6 MRD L
MXØ7 MWR L — M622 A13 FI HI — H2 — MXØ6 MWR L
MXØ1 ACK HOLD (I) L — M622 A12 LI MI — M2 — MXØ7 ADR ACK (I) B L
MXØ6 M BUSY L — M622 A12 NI PI — P2 — MXØ7 M BUSY L
MXØ7 DATA ACK L — M622 A12 UI VI — V2 — MXØ6 DATA ACK L
MXØ1 ENAB 15 C L
MXØ1 DISABLE PCL (I) L — M622 A12 PI SI — S2 — MXØ6 PWR CLR L
MXØ7 PWR CLR L

FROM MEMORY — TO 15

MXØ6 MRLS ACK (I) B L — M622 A12 FI HI — H2 — MXØ7 MRLS ACK (I) B L
MXØ6 RD RST (I) B L — M622 A12 JI KI — K2 — MXØ7 RD RST (I) B L
MXØ7 MRLS L — M622 A13 DI EI — E2 — MXØ6 MRLS L
MXØ1 15 CYCLE (I) L
MXØ6 MDL ØØ (I) L — M622 A15 BI CI — D2 — MXØ7 MDL ØØ (I) L
MXØ6 MDL Ø1 (I) L — M622 A15 DI EI — E2 — MXØ7 MDL Ø1 (I) L
MXØ6 MDL Ø2 (I) L — M622 A15 FI HI — H2 — MXØ7 MDL Ø2 (I) L
MXØ6 MDL Ø3 (I) L — M622 A15 JI KI — K2 — MXØ7 MDL Ø3 (I) L
MXØ6 MDL Ø4 (I) L — M622 A15 LI MI — M2 — MXØ7 MDL Ø4 (I) L
MXØ6 MDL Ø5 (I) L — M622 A15 NI PI — P2 — MXØ7 MDL Ø5 (I) L
MXØ6 MDL Ø6 (I) L — M622 A14 UI VI — V2 — MXØ7 MDL Ø6 (I) L
MXØ6 MDL Ø7 (I) L — M622 A14 RI SI — S2 — MXØ7 MDL Ø7 (I) L
MXØ6 MDL Ø8 (I) L — M622 A14 NI PI — P2 — MXØ7 MDL Ø8 (I) L
MXØ6 MDL Ø9 (I) L — M622 A14 LI MI — M2 — MXØ7 MDL Ø9 (I) L
MXØ1 MEM TO CP L

MXØ6 MDL 10 (I) L — M622 A14 JI KI — K2 — MXØ7 MDL 10 (I) L
MXØ6 MDL 11 (I) L — M622 A14 FI HI — H2 — MXØ7 MDL 11 (I) L
MXØ6 MDL 12 (I) L — M622 A13 LI MI — M2 — MXØ7 MDL 12 (I) L
MXØ6 MDL 13 (I) L — M622 A13 NI PI — P2 — MXØ7 MDL 13 (I) L
MXØ6 MDL 14 (I) L — M622 A13 RI SI — SC — MXØ7 MDL 14 (I) L
MXØ6 MDL 15 (I) L — M622 A13 UI VI — V2 — MXØ7 MDL 15 (I) L
MXØ6 MDL 16 (I) L — M622 A14 BI CI — D2 — MXØ7 MDL 16 (I) L
MXØ6 MDL 17 (I) L — M622 A14 DI EI — E2 — MXØ7 MDL 17 (I) L
MXØ1 MEM TO CP L
MXØ6 MDL PAR (I) B L — M622 A25 RI SI — S2 — MXØ7 MDL PAR (I) B L

REVISIONS	CHK	CHANGE NO	REV
		MX15B-00001	A
		MX15B-00002	B
		UC15F-000085	C

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UC15		PARTS LIST		

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES
DECIMALS: XXX ± .005, .XX ± .02, X ± .1 — ANGLES: ±0° 30'
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓
MATERIAL
FINISH

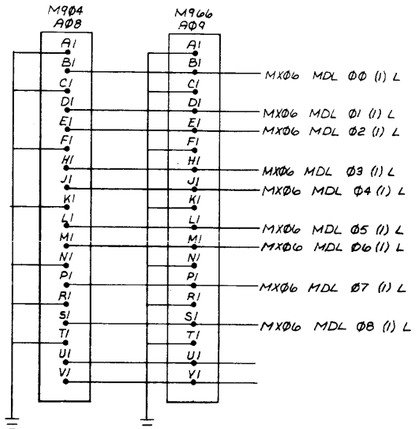
DRN D. Counter 12-8-72
CHK'D B. Gray 12-8-72
ENG A. Hellenius 1/31/73
PROJ. ENG R.C. Gray 1/31/73
PROD B. Gray 2/7/73
NEXT HIGHER ASSY. B-DD-UC15-Ø
SCALE NONE
SHEET | OF |

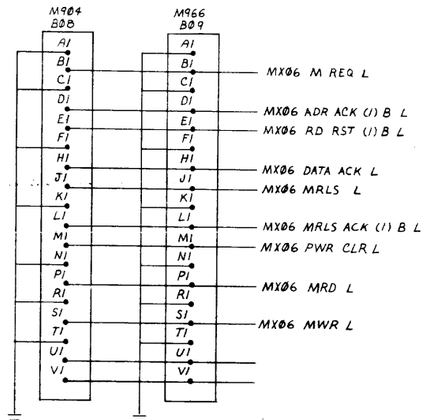
digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

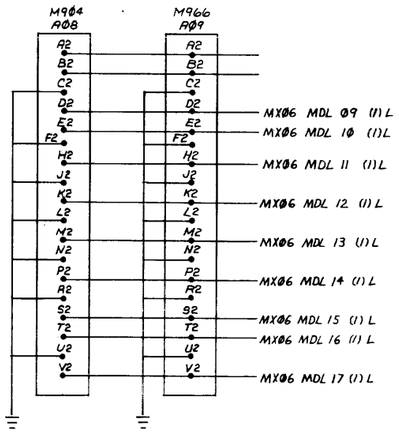
TITLE: 15 PORT

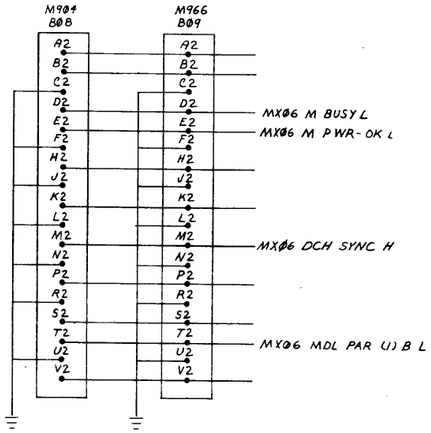
SIZE D | CODE BS | NUMBER MX15-B-Ø5 | REV. C
DIST

DRAWING 40-532 15840
DEC FORM NO DRD 102-B









REVISIONS			
CHK	CHANGE NO	REV	
	MX15B-00001	A	
	UC15F-00003	A	

BRUNING 40-522 15840

DEC FORM NO DRD 102-B

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO	ITEM NO.
UC15		PARTS LIST		

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES

DECIMALS	ANGLES
.XXX ± .005 .XX ± .02 .X ± .1	± 0° 30'

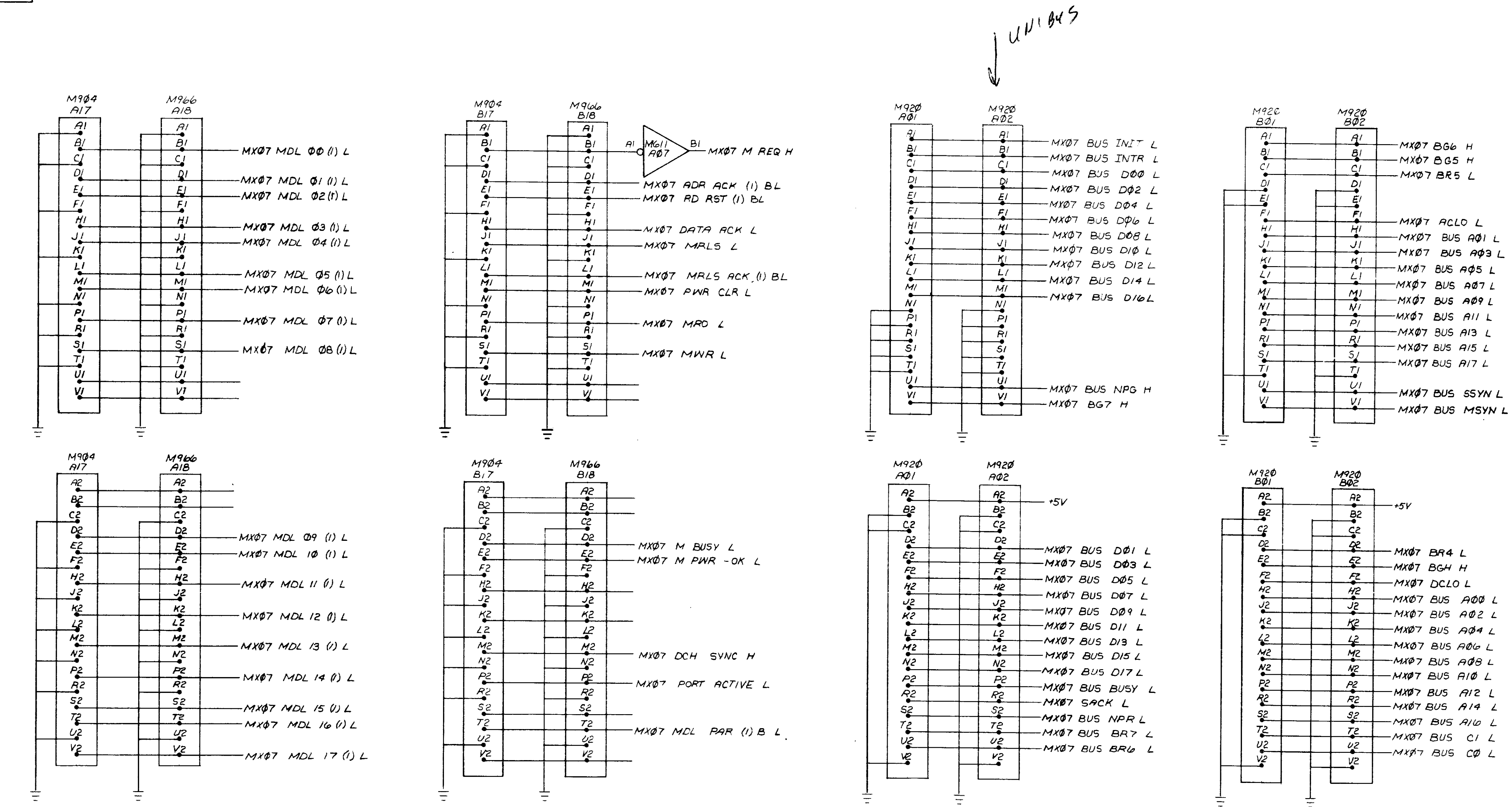
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓

MATERIAL —/—

FINISH —/—

DRN. B. GRAY	DATE 12-8-72	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS
CHKD. R.C. Ray	DATE 12 DEC 72	
ENG. A. HOLEWILS	DATE 1/31/73	TITLE MEMORY BUS
PROJ. ENG. R.C. Ray	DATE 1/31/73	
PROD. D. Shuga	DATE 2/6/73	
NEXT HIGHER ASSY. B-DD-UC15-0		SIZE D CODE IC NUMBER MX15-B-06 REV B
SCALE —/—		
SHEET 1 OF 1		DIST.

SIZE D CODE IC NUMBER MX15-B-06 REV B



FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UC15		PARTS LIST		

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES

DECIMALS: XXX = .005, XX = .02, X = .1 — ANGLES: ±0° 30'

REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓

MATERIAL

FINISH

DRN B. Caunter — DATE 12-7-72
CHKD — DATE 12-72
ENG. — DATE 1/31/73
PROJ. ENG. R.C. — DATE 1/31/73
PROD. — DATE 2/5/73

NEXT HIGHER ASSY. B-DD-UC15-0

SCALE NONE — SHEET 1 OF 1

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: PROCESSOR BUS

SIZE D — CODE IC — NUMBER MX15-B-07 — REV A

REVISIONS: REV A — CHANGE NO UC15F-00003 — F. DOLL

DEC FORM NO DRD 102-B

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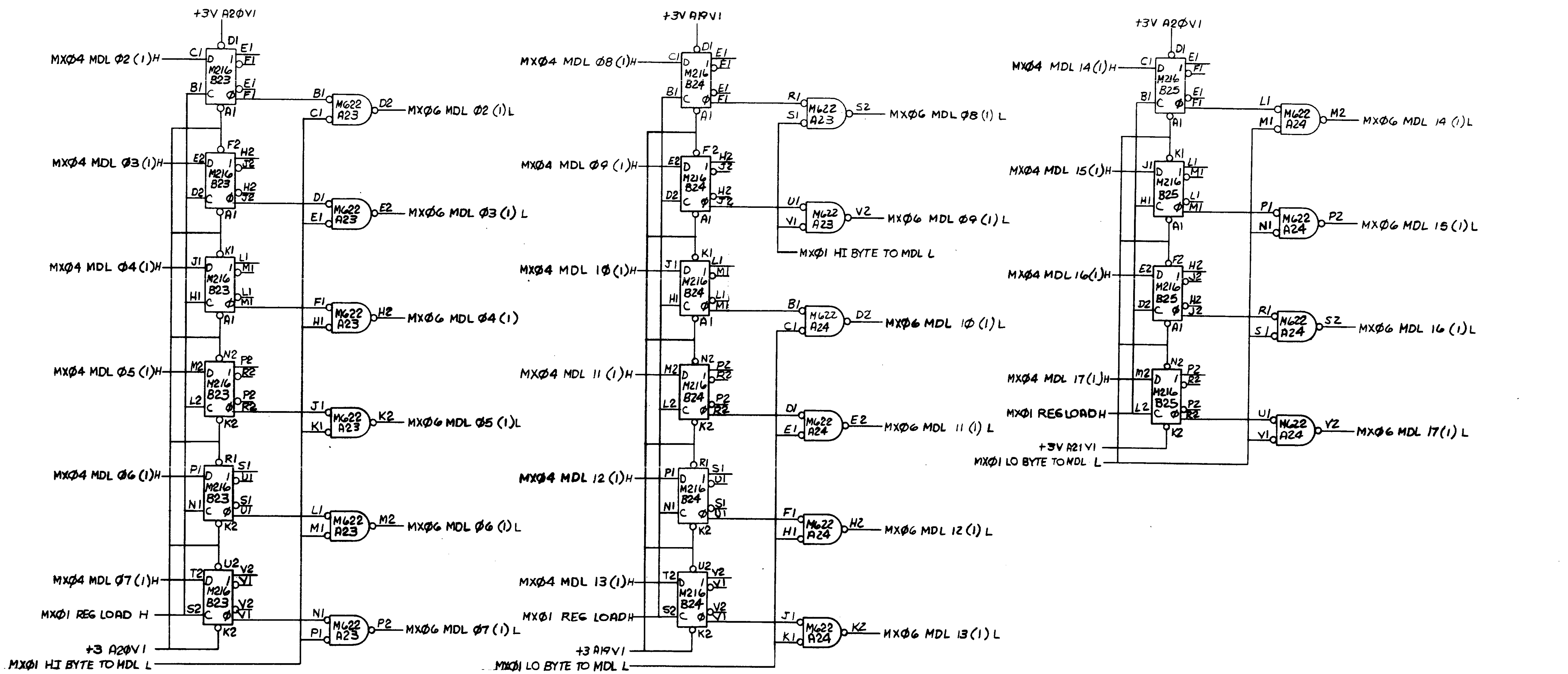

REV	CHANGE NO	CHK
A	UC15F-00003 E. REMOLO 6-17-74 F. DOLL 7-25-74	

REVISIONS

FIRST USED ON OPTION/MODEL: UC15

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES
DECIMALS: .XXX ± .005, .XX ± .02, .X ± .1 — ANGLES: ±0° 30'
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓
MATERIAL
FINISH

QTY.	DESCRIPTION	PART NO.	ITEM NO.

PARTS LIST

DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS

TITLE: BYTE REGISTER

NEXT HIGHER ASSY.: B-DD-UC15-Ø

SCALE: —
SHEET 1 OF 1

SIZE	CODE	NUMBER	REV
D	BS	MX15-B-Ø8	A

DEC FORM NO DRD 102-B

D MU MX15-B-Ø9 A

Slot	A Module	A Function	B Module	B Function
1	M920 CABLE	INT BUS CONN.	M920 CABLE	INT BUS CONN
2	M920 CABLE	INT BUS CONN	M920 CABLE	INT BUS CONN
3	M784	UNI-BUS RCVR	M783	UNI-BUS DRIVERS
4	M784	UNI-BUS RCVR	M783	UNI-BUS DRIVERS
5	M784	UNI-BUS RCVR	M621	DATA BUS DRIVER
6	M627	PWR AMPL-IFIER MODULE	M621	DATA BUS DRIVER
7	M611	HIGH SPEED PWR INV	M621	DATA BUS DRIVER
8	M904 CABLE	CONN	M904 CABLE	CONN
9	M966	RES TERM	M966	RES TERM
10	M622	BUS DRIVER	M111	INV-ERTER
11	M622	BUS DRIVER	M111	INV-ERTER
12	M622	BUS DRIVER	M164	6 BIT ADDER
13	M622	BUS DRIVER	G740	DISK SELEC-TOR MODULE
14	M622	BUS DRIVER	M135	3 INPUT NAND GATE
15	M622	BUS DRIVER	M133	1Ø-2 INPUT NAND GATES
16	M622	BUS DRIVER	M112	NOR GATE
17	M904 CABLE	CONN	M904 CABLE	CONN
18	M966	RES TERM	M966	RES TERM
19	M246	5 D FLIP FLOPS	M312	DELAY MODULE
20	M246	5 D FLIP FLOPS	M135	3 INPUT NAND GATE
21	M246	5 D FLIP FLOPS	M688	UNIBUS PWR FAIL DRIVER
22	M311	TAP DELAY	M627	PWR AMPL-IFIER MODULE
23	M622	BUS DRIVER	M216	SIX FLIP-FLOPS
24	M622	BUS DRIVER	M216	SIX FLIP-FLOPS
25	M622	BUS DRIVER	M216	SIX FLIP-FLOPS
26				
27				
28				
29				
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44				

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44

REVISIONS			
REV.	CHANGE NO		CHK
A	UC15F-00003		

UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS FRACTIONS ANGLES ± 0°30'
FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL —
FINISH —
FIRST USED ON OPTION/MODEL UC15

DRN. DATE 12/5/72
CHKD DATE 12/8/72
ENG. K. Helenius DATE 1/31/73
PROJ. ENG. R.C. Gray DATE 1/31/73
PROD DATE 2/5/73
NEXT HIGHER ASSY. B-DD-UC15-Ø
SCALE — SHEET 1 OF 1

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE MODULE UTILIZATION MX15-B

SIZE D CODE MU NUMBER MX15-B-Ø9 REV. A

DEC FORM NO DRD 105

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY	V. SOUZA	CHECKED P.J. LEBlanc	SECTION 1
DATE	11/17/72	DATE 18 DEC '72	
ENG		PROD Da Bruge	ISSUED SECT. 1
DATE	A. HELGNILS	DATE 2/5/73	

ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION
1	M111	INVERTER	2
2	M112	NOR GATE	1
3	M133	TWO-INPUT NAND GATES	1
4	M135	THREE-INPUT NAND GATES	2
5	M164	6 BIT ADDER	1
6	M216	SIX FLIP FLOPS	3
7	M246	5 D FLIP FLOPS	3
8	M311	TAP DELAY	1
9	M312	DELAY MODULE	1
10	M611	HIGH SPEED POWER INVERTER	1
11	M621	DATA BUS DRIVER	3
12	M622	BUS DRIVER	10
13	M627	POWER AMPLIFIER MODULE	2
14	M688	UNIBUS POWER FAIL DRIVER	1
15	M783	UNIBUS DRIVERS	2
16	M784	UNIBUS RECEIVER	3
17	M9Ø4	CONNECTOR (COAXIAL)	4
18	M92Ø	INTERNAL BUS CONNECTOR	4
19	M966	RESISTOR TERMINAL	4
20	G74Ø	DISK SELECTOR MODULE	1

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
MODULE UTILIZATION MX15-B	D-MU-MX15-B-Ø9	A	PL	MX15-B-Ø9	A	UC15F-00003
	SHEET 1 OF 1	DIST.				

DEC FORM DEC 16-(325)-1031-N870
DRA 110

REV.	NUMBER	CODE	SIZE
E	MX15 - B - WL	WL	K

REVISIONS			
CHK	CHANGE NO.	REV.	
RCA	MX15B-00001	A	B. GRAY 3/14/73
RCA	MX15B-00002	B	E. Rose 4/27/73
RCA	UC15F-00003	C	B. GRAY 5/10/73
RCA	MX15B-00003	D	E. Edmund 6-17-74
RCA	MX15B-00004	E	F. DOLL 7/25/74
			F. DOLL 11-21-74
			E. Edmund 11-25-74
			F. DOLL 1-23-75
			F. DOLL 1-24-75

FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UC15		PARTS LIST		

DRN.	DATE	12/12/72
CHK'D.	DATE	12Dec72
ENG. A. Helgemo's	DATE	1/31/73
PROJ. ENG.	DATE	1/31/73
PROD.	DATE	2/5/73
NEXT HIGHER ASSEMBLY	D-AD-7009165-0-0	
SCALE		
SHEET 1 OF 1		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE

WIRE LIST (MX15-B)

SIZE	CODE	NUMBER	REV.
K	WL	MX15-B-WL	E

DIST.

DEC FORM NO. DRB 109

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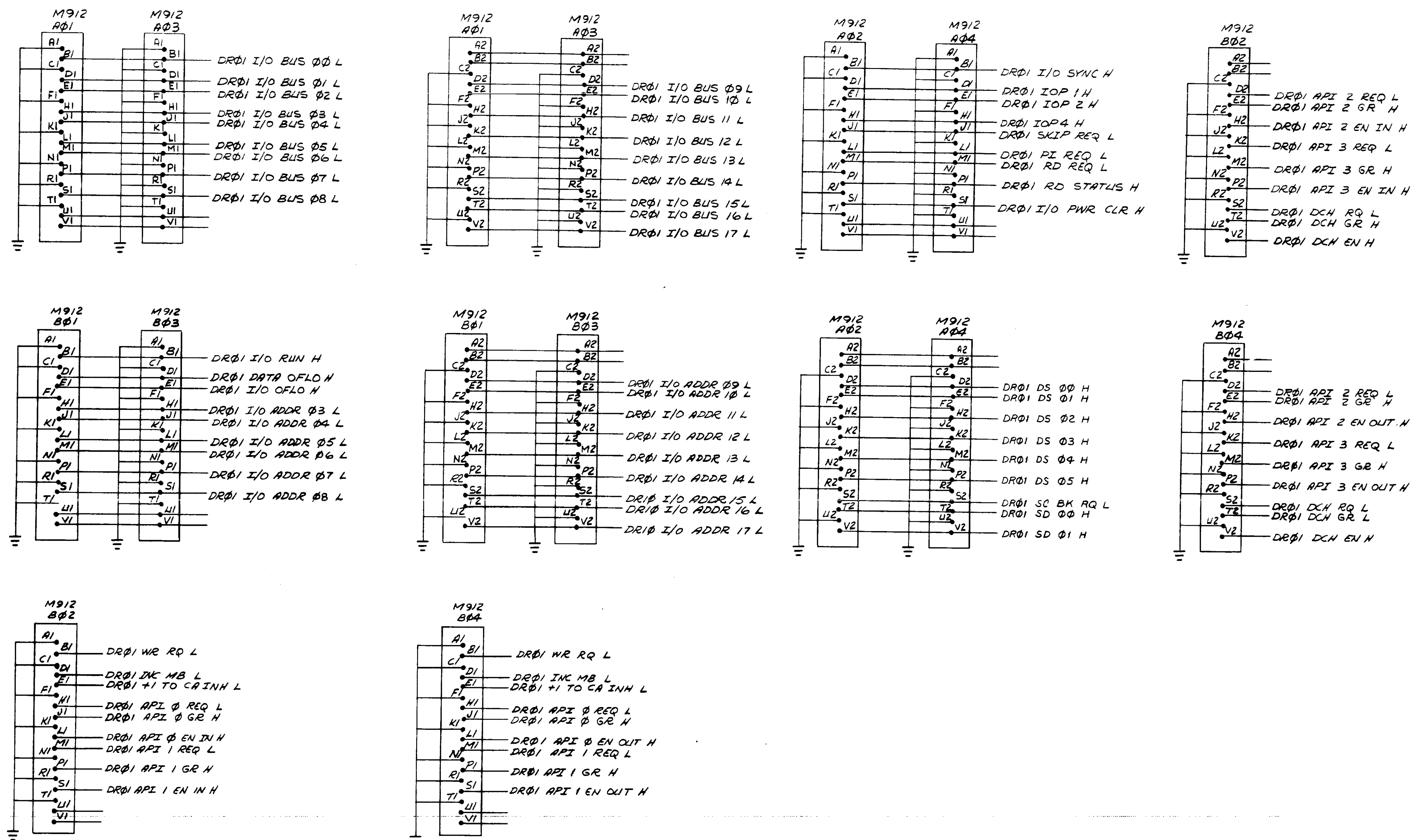


REVISIONS			
CHK	CHANGE NO		REV
[illegible]	UC15F-00003	E. [illegible] 6-17-74	A
		F. DOLL	

BRUNING 40-522 15840
DEC FORM NO DRD 102-B

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO	ITEM NO
UC15		PARTS LIST		

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES
DECIMALS: XXX ± .005, XX ± .02, X ± 1 — ANGLES: ±0° 30'
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓
MATERIAL —
FINISH —

		DATE
DRN	W. Horst	12-2-72
CHKD	P.A. [illegible]	1/12/72
ENG	A. Helenius	1/31/73
PROJ ENG	R.C. Gray	1/31/73
PROD	[illegible]	2/5/73

NEXT HIGHER ASSY: B-DD-UC15-0
SCALE NONE
SHEET 1 OF 1

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: I/O BUS

SIZE	CODE	NUMBER	REV
D	IC	DR15-C-Ø1	A

DRØ1 I/O BUS ØØ L — D2 — M51Ø BØ5 — C1 — DRØ2 DR I/O BUS ØØ L; D1 — DRØ2 DR I/O BUS ØØ H

DRØ1 I/O BUS Ø1 L — H2 — M51Ø BØ5 — F1 — DRØ2 DR I/O BUS Ø1 L; H1 — DRØ2 DR I/O BUS Ø1 H

DRØ1 I/O BUS Ø2 L — K2 — M51Ø BØ5 — J1 — DRØ2 DR I/O BUS Ø2 L; K1 — DRØ2 DR I/O BUS Ø2 H

DRØ1 I/O BUS Ø3 L — M2 — M51Ø BØ5 — L1 — DRØ2 DR I/O BUS Ø3 L; M1 — DRØ2 DR I/O BUS Ø3 H

DRØ1 I/O BUS Ø4 L — P2 — M51Ø BØ5 — N1 — DRØ2 DR I/O BUS Ø4 L; P1 — DRØ2 DR I/O BUS Ø4 H

DRØ1 I/O BUS Ø5 L — R2 — M51Ø BØ5 — U2 — DRØ2 DR I/O BUS Ø5 L; T2 — DRØ2 DR I/O BUS Ø5 H

DRØ1 I/O BUS Ø6 L — S2 — M51Ø BØ5 — R1 — DRØ2 DR I/O BUS Ø6 L; S1 — DRØ2 DR I/O BUS Ø6 H

DRØ1 I/O BUS Ø7 L — U1 — M51Ø BØ5 — V1 — DRØ2 DR I/O BUS Ø7 L; V2 — DRØ2 DR I/O BUS Ø7 H

DRØ1 I/O BUS Ø8 L — D2 — M51Ø BØG — C1 — DRØ2 DR I/O BUS Ø8 L; D1 — DRØ2 DR I/O BUS Ø8 H

DRØ1 I/O BUS Ø9 L — H2 — M51Ø BØG — F1 — DRØ2 DR I/O BUS Ø9 L; H1 — DRØ2 DR I/O BUS Ø9 H

DRØ1 I/O BUS 1Ø L — K2 — M51Ø BØG — J1 — DRØ2 DR I/O BUS 1Ø L; K1 — DRØ2 DR I/O BUS 1Ø H

DRØ2 I/O BUS 11 L — M2 — M51Ø BØG — L1 — DRØ2 DR I/O BUS 11 L; M1 — DRØ2 DR I/O BUS 11 H

DRØ1 I/O BUS 12 L — P2 — M51Ø BØG — N1 — DRØ2 DR I/O BUS 12 L; P1 — DRØ2 DR I/O BUS 12 H

DRØ1 I/O BUS 13 L — R2 — M51Ø BØG — U2 — DRØ2 DR I/O BUS 13 L; T2 — DRØ2 DR I/O BUS 13 H

DRØ1 I/O BUS 14 L — S2 — M51Ø BØG — R1 — DRØ2 DR I/O BUS 14 L; S1 — DRØ2 DR I/O BUS 14 H

DRØ1 I/O BUS 15 L — U1 — M51Ø BØG — V1 — DRØ2 DR I/O BUS 15 L; V2 — DRØ2 DR I/O BUS 15 H

DRØ1 I/O BUS 16 L — D2 — M51Ø BØ7 — C1 — DRØ2 DR I/O BUS 16 L; D1 — DRØ2 DR I/O BUS 16 H

DRØ1 I/O BUS 17 L — H2 — M51Ø BØ7 — F1 — DRØ2 DR I/O BUS 17 L; H1 — DRØ2 DR I/O BUS 17 H

REVISIONS			
CHK	CHANGE NO	REV	
	UC15F-00003	A	
E. Reynolds			
F. DOLL			
F. Doll	7-22-74		

BRUNING 40.522 1540 DEC-DRM-NO DRD 102-B

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UC15		PARTS LIST		

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES

DECIMALS	ANGLES
XXX ± .005 XX ± .02 X ± .1	± 0° 30'

REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓

MATERIAL —

FINISH —

DRN		DATE 12-P-72
CHK		DATE 1-Dec-72
ENG	A. Helenius	DATE 1/9/73
PROJ. ENG.	R. C. King	DATE 1/31/73
PROD.	D. Ahuja	DATE 2/5/73

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: I/O BUS IN

NEXT HIGHER ASSY. B-DD-UC15-Ø

SCALE —

SHEET 1 OF 1

SIZE	CODE	NUMBER	REV.
D	BS	DR15-C-Ø2	A

DIST.

SIZE D BS NUMBER DR15-C-Ø2 REV A

DRØ1 DS ØØ H — K2 — M51Ø BØ7 — K1 DRØ3 DR DS ØØ L; J1 DRØ3 DR DS ØØ H

DRØ1 DS Ø1 H — M2 — M51Ø BØ7 — M1 DRØ3 DR DS Ø1 L; L1 DRØ3 DR DS Ø1 H

DRØ1 DS Ø2 H — P2 — M51Ø BØ7 — P1 DRØ3 DR DS Ø2 L; N1 DRØ3 DR DS Ø2 H

DRØ1 DS Ø3 H — R2 — M51Ø BØ7 — T2 DRØ3 DR DS Ø3 L; U2 DRØ3 DR DS Ø3 H

DRØ1 DS Ø4 H — S2 — M51Ø BØ7 — S1 DRØ3 DR DS Ø4 L; R1 DRØ3 DR DS Ø4 H

DRØ1 DS Ø5 H — U1 — M51Ø BØ7 — V2 DRØ3 DR DS Ø5 L; V1 DRØ3 DR DS Ø5 H

DRØ1 SD ØØ H — D2 — M51Ø BØ8 — D1 DRØ3 DR SD ØØ L; C1 DRØ3 DR SD ØØ H

DRØ1 SD Ø1 H — H2 — M51Ø BØ8 — H1 DRØ3 DR SD Ø1 L; F1 DRØ3 DR SD Ø1 H

DRØ1 IOP 1 H — K2 — M51Ø BØ8 — K1 DRØ3 DR IOP 1 L; J1 DRØ3 DR IOP 1 H

DRØ1 IOP 2 H — M2 — M51Ø BØ8 — M1 DRØ3 DR IOP 2 L; L1 DRØ3 DR IOP 2 H

DRØ1 IOP 4 H — P2 — M51Ø BØ8 — P1 DRØ3 DR IOP 4 L; N1 DRØ3 DR IOP 4 H

DRØ1 I/O PWR CLR H — R2 — M51Ø BØ8 — T2 DRØ3 DR I/O PWR CLR L; U2 DRØ3 DR I/O PWR CLR H

DRØ1 API Ø GR H — S2 — M51Ø BØ8 — S1 DRØ3 DR API Ø GR L; R1 DRØ3 DR API Ø GR H

DRØ1 API 1 GR H — U1 — M51Ø BØ9 — V2 DRØ3 DR API 1 GR L; V1 DRØ3 DR API 1 GR H

DRØ1 API 2 GR H — D2 — M51Ø BØ9 — D1 DRØ3 DR API 2 GR L; C1 DRØ3 DR API 2 GR H

DRØ1 API 3 GR H — H2 — M51Ø BØ9 — H1 DRØ3 DR API 3 GR L; F1 DRØ3 DR API 3 GR H

DRØ1 I/O SYNC H — K2 — M51Ø BØ9 — K1 DRØ3 DR I/O SYNC L; J1 DRØ3 DR I/O SYNC H

REVISIONS			
	CHANGE NO		REV
CHK	UC15F-000003		A
DW	E. KENNOUO 6/17/74		
	F. DOLL		

BRUNING 40-522 15840

DEC FORM NO DRD 102-B

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO	ITEM NO
UC15		PARTS LIST		

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES

DECIMALS	ANGLES
XXX ± .005 XX ± .02 X ± .1	±0° 30'

REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓

MATERIAL —

FINISH —

DRN	D. Saunter	DATE 12-7-72
CHK'D	J. LeRoy	DATE 12 Dec 72
ENG	D. Holewicks	DATE 1/31/73
PROJ ENG	R. C. Gray	DATE 1/31/73
PROD	Ed Shaya	DATE 2/5/73

NEXT HIGHER ASSY. B-DD-UC15-Ø

SCALE NONE

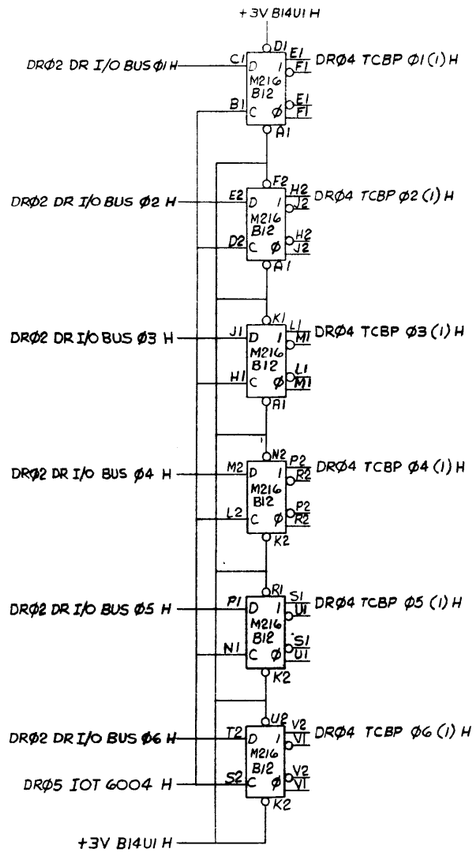
SHEET 1 OF 1

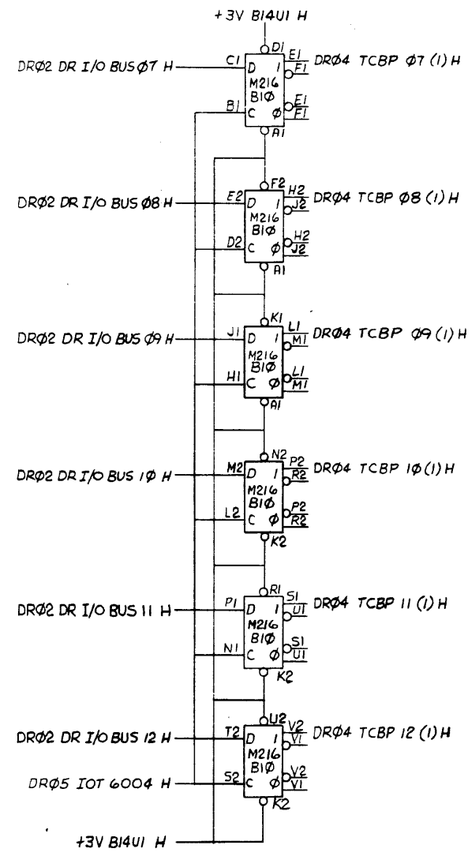
digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

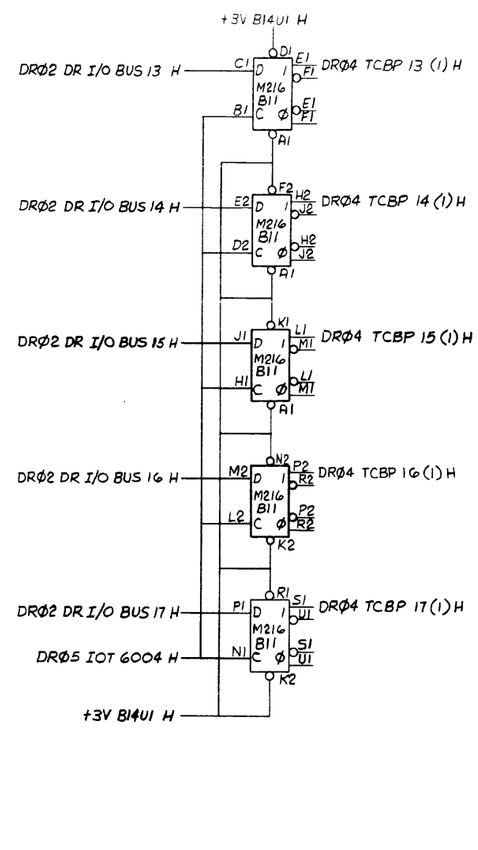
TITLE: CONTROL IN

SIZE	CODE	NUMBER	REV
D	BS	DR15-C-Ø3	A

DIST







FIRST USED ON OPTION/MODEL: UC15	QTY.	DESCRIPTION	PART NO.	ITEM NO.
		PARTS LIST		

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES
DECIMALS: XXX ± .005, XX ± .02, X ± 1 — ANGLES: ± 0° 30'
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓
MATERIAL
FINISH

DRN. — DATE 12/7/72
CHKD. — DATE 14Dec72
ENG. A. HELGERUS — DATE 12/14/72
PROJ. ENG. R.C. — DATE 12/21/72
PROD. — DATE 12/27/72
NEXT HIGHER ASSY: B-DD-UC15-Ø
SCALE
SHEET 1 OF 1

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

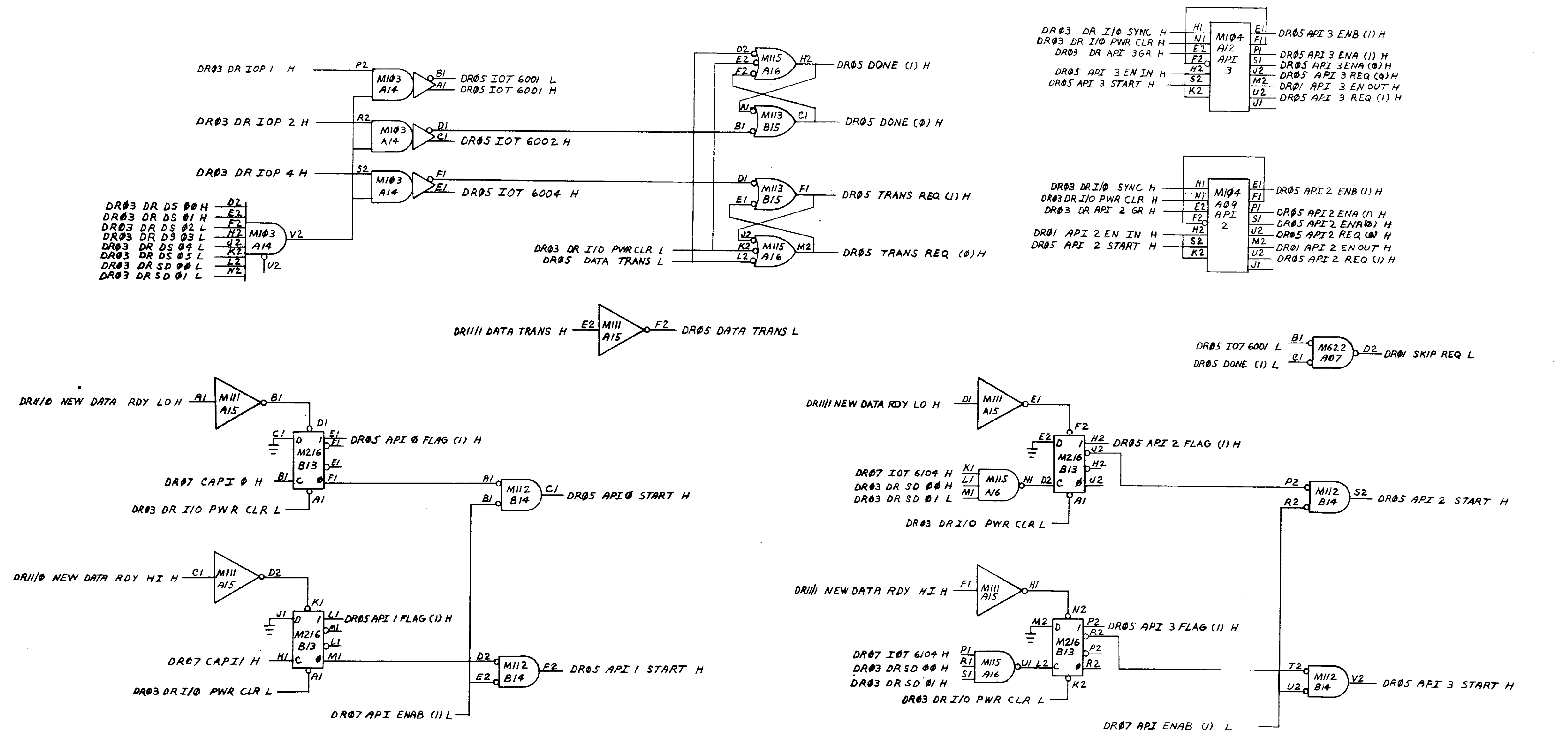
TITLE: TASK CONTROL BLOCK POINTER

SIZE D | CODE BS | NUMBER DR15-C-Ø4 | REV. A

REVISIONS	CHK	CHANGE NO	REV
		UC15F-00003	A

E. HELGERUS 6/7/74
F. DOLL

BRUNING 40-322 15840
DEC FORM NO. DRD 107-B



FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO	ITEM NO
UC15		PARTS LIST		

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES
DECIMALS XXX = .005, XX = .02, X = .1 — ANGLES ±0° 30'
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓

DRN. S. Chartier DATE 11-12/72
CHKD. DATE
ENG. A. Helenius DATE 1/31/73
PROJ. ENG. K.C. Gray DATE 1/31/73
PROD. DATE 2/5/73

NEXT HIGHER ASSY. B-DD-UC15-0

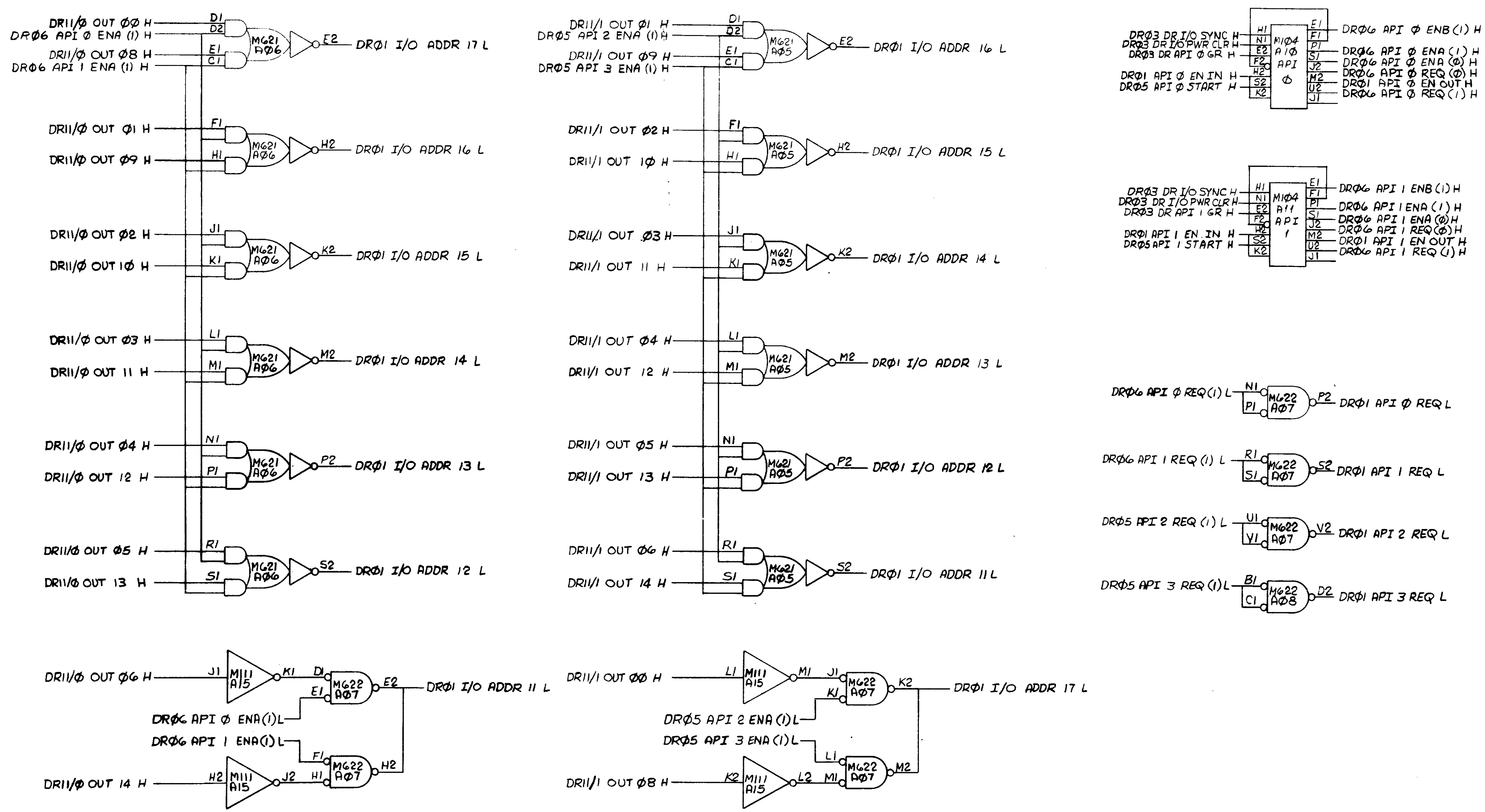
digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE API CONTROL

SIZE D CODE BS NUMBER DR15-C-05 REV A
SCALE — SHEET 1 OF 1

REVISIONS: REV A, CHANGE NO UC15F-00003, E. REMOND 6-18-74, F. DOLL

DEC FORM NO DRD 102-B



REV	CHANGE NO	CHK
A	UC15F-00003 E. Reneur 10-17-74 F. DOLL 7-27-74	

FIRST USED ON OPTION/MODEL	QTY	DESCRIPTION	PART NO	ITEM NO
UC15		PARTS LIST		

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES
DECIMALS: .XXX ±.005, .XX ±.02, .X ±.1 — ANGLES ±0° 30'
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓
MATERIAL —
FINISH —

DRN: DATE 12-11-72
CHK'D: DATE
ENG: DATE 1/31/73
PROJ. ENG: R.C. Gray DATE 1/31/73
PROD: DATE 2/5/73
NEXT HIGHER ASSY: B-DD-UC15-Ø

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: API ADDRESS

SIZE	CODE	NUMBER	REV
D	BS	DR15-C-Ø6	A

SCALE — SHEET 1 OF 1

DRØ3 DR IOP 1 H — P2 — M1Ø3 A13 — B1 — DRØ7 IOT G1Ø1 L / DRØ7 IOT G1Ø1 H

DRØ3 DR IOP 2 H — R2 — M1Ø3 A13 — D1 — DRØ7 IOT G1Ø2 L / DRØ7 IOT G1Ø2 H

DRØ3 DR IOP 4 H — S2 — M1Ø3 A13 — F1 — DRØ7 IOT G1Ø4 L / DRØ7 IOT G1Ø4 H

DRØ3 DR DS ØØ H — D2
DRØ3 DR DS Ø1 H — F2
DRØ3 DR DS Ø2 L — H2
DRØ3 DR DS Ø3 L — J2
DRØ3 DR DS Ø4 L — K2
DRØ3 DR DS Ø5 H — L2
+3V A13V1 — N2
→ M1Ø3 A13 — V2 — U2

DRØ3 DR SD ØØ H — P2
DRØ3 DR IOP 4 H — R2
→ M115 A16 — S2

T1, S1, S2 → M1G1 BIG

DRØ7 IOT G1Ø4 H — U1 — 2
DRØ7 IOT G1Ø1 H — V2 — 2^2
DRØ3 DR SD ØØ H — U2 — 2^1
DRØ3 DR SD Ø1 H — V1 — $2^Ø$

M1G1 BIG:
9 — R1 — R2 — P1 — P2 — DRØ7 CAPI 1 H
8 — L1 — L2 — DRØ7 CAPI Ø H
7 — H1 — H2 — DRØ7 SAPI 3 H
6 — M1 — M2 — DRØ7 SAPI 2 H
5 — F1 — F2 — DRØ7 SAPI 1 H / DRØ7 SAPI Ø L
4 — N1 — N2 — DRØ7 SD 3 H
3 — J1 — J2 — DRØ7 SD 2 H
2 — E1 — E2 — DRØ7 SD 1 H
1 — D1 — D2 — DRØ7 SD Ø H
Ø

DR I/O PWR CLR L — K2
DRØ2 DR I/O BUS 17 L — P1 — M2216 B13 (D, C, Ø) — U1 — S1 — DRØ7 API ENAB (1) H
DRØ7 IOT G1Ø2 H — H2
DRØ7 SD 1 H — J2 — M113 B15 — K2 — N1
M2216 B13 Ø — U1 — S1 — DRØ7 API ENAB (Ø) H
R1
* MXØ2 DCLO H

DRØ7 IOT G1Ø2 H — P1
DRØ7 SD Ø H — R1 — M113 B15 — S1
F1 — M622 AØ8 — H2 — DRØ1 I/O BUS 17 L
H1
J1 — M622 AØ8 — K2 — DRØ1 RD REQ L
K1

DRØ7 SAPI 3 H — H1
DRØ5 API 3 FLAG (1) H — J1 — M113 B15 — K1
A1, B1, C1 — M115 A16 — D1
DRØ7 SAPI 2 H — L1
DRØ5 API 2 FLAG (1) H — M1 — M113 B15 — N1
L2 — M112 B14 — N2
M2 — D1 — M622 AØ8 — E2 — DRØ1 SKIP REQ L
E1
DRØ7 SAPI 1 H — L2
DRØ5 API 1 FLAG (1) H — M2 — M113 B15 — N2
DRØ7 SAPI Ø L — D1
DRØ5 API Ø FLAG (1) L — E1 — M112 B14 — F1

DRØ6 API Ø REQ (1) L — E1
DRØ6 API 1 REQ (1) L — F1
DRØ5 API 2 REQ (1) L — H1 — M115 A16 — J1
H2 — M112 B14 — K2 — U1 — M622 AØ8 — V2 — DRØ1 PI REQ L
J2
DRØ5 API 3 REQ (1) H — V1
DRØ7 API ENAB (1) L

DRØ5 API Ø FLAG (1) L — T2
DRØ5 API 1 FLAG (1) L — U2
DRØ5 API 2 FLAG (1) L — V2
DRØ5 API 3 FLAG (1) H
→ M115 A16 — V1 — H1 — M112 B14 — K1 — DRØ7 API DONE H
J1

* THIS SIGNAL COMES FROM MX15-B (AØ7-L2) OR +3V B15V1 ON XVM SYSTEMS

REVISIONS	REV	CHK	CHANGE NO	
	A		UC15F-00003	F. DOLL 1-2-74
	B		UC15-00002	F. DOLL 9-9-74

BRUNING 40-522 15M80 DEC FORM NO DRD 102-B

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO	ITEM NO
UC15		PARTS LIST		

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES

DECIMALS	ANGLES
XXX ± .005	± 0° 30'
.XX ± .02	
.X ± .1	

REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓

MATERIAL

FINISH

DRN		DATE 11/6/72
CHKD		DATE 11 DEC 72
ENG	A. HEIDENIUS	DATE 12/1/72
PROJ. ENG	R.C. Gray	DATE 1/2/73
PROD		DATE 2/15/73

NEXT HIGHER ASSY: B-DD-UC15-Ø

SCALE

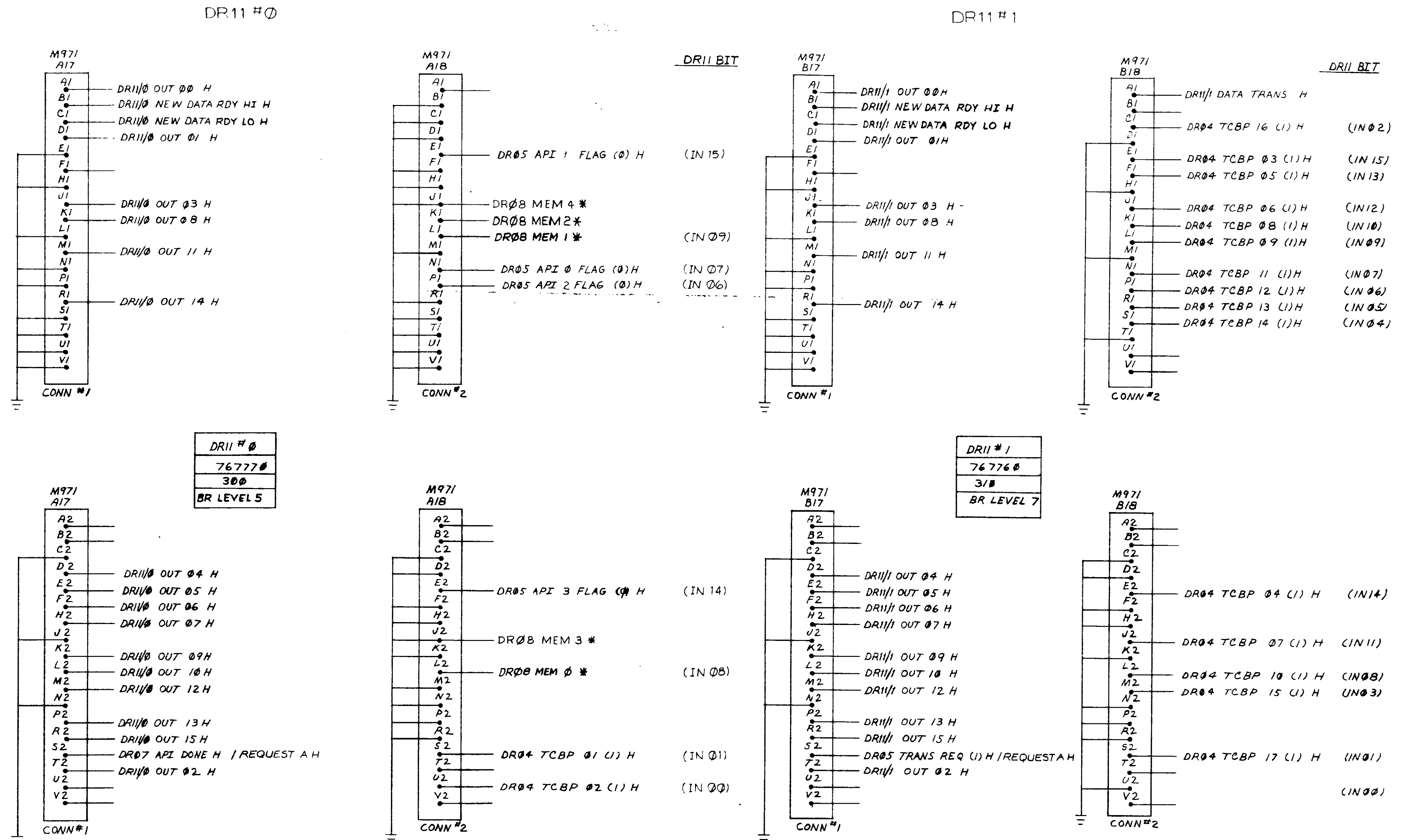
SHEET 1 OF 1

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: PI CONTROL

SIZE	CODE	NUMBER	REV
D	BS	DR15 - C - Ø7	B

DIST



*NOTE:
4K OF LOCAL MEMORY
1) JUMPER A18L1 TO A19C2
2) JUMPER A18L2 TO A13L2
8K OF LOCAL MEMORY
1) JUMPER A18L1 TO A13 L2
2) JUMPER A18L2 TO A19C2

12K OF LOCAL MEMORY
1) JUMPER A18L1 TO A13 L2
2) JUMPER A18L1 TO A18 L2
16K OF LOCAL MEMORY
1) JUMPER A18L1 TO A19C2
2) JUMPER A18L2 TO A18L1
3) JUMPER A18K1 TO A13L2

32K OF LOCAL MEMORY
1) JUMPER A18K1 TO A19C2
2) JUMPER A18L1 TO A18L2
3) JUMPER A18L1 TO A18L1
4) JUMPER A18J2 TO A13L2

64K OF LOCAL MEMORY
1) JUMPER A18J2 TO A18K1
2) JUMPER A18J2 TO A19C2
3) JUMPER A18L1 TO A18L2
4) JUMPER A18K1 TO A18L1
5) JUMPER A18J1 TO A13L2

REV	CHANGE NO	CHK
A	UC15F-00003	F. DOLL
B	UC15-00002	F. DOLL
C	UC15-00004	F. DOLL 11 AUG 76

FIRST USED ON OPTION/MODEL: UC15

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES
DECIMALS: XXX = .005, XX = .02, X = .1 — ANGLES: ±0° 30'
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓
MATERIAL —
FINISH —

DRN. S. Chartier 12/11/72
CHKD. 14 Dec 72
ENG. 1/31/73
PROJ. ENG. 1/31/73
PROD. 2/5/73
NEXT HIGHER ASSY. B-DD-UC15-Ø
SCALE — SHEET 1 OF 1

QTY.	DESCRIPTION	PART NO.	ITEM NO.

PARTS LIST

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: INTERFACE CABLES

SIZE D CODE IC NUMBER DR15-C-Ø8 REV C

DEC FORM NO DRD 102-B

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
	M912	M912	M912	M912	M621	M621	M622	M622	M104	M104	M104	M104	M103	M103	M111	M115	M971	M971																												
A	I/O BUS CARD	I/O BUS CARD	I/O BUS CARD	I/O BUS CARD	DATA BUS DRIVER	DATA BUS DRIVER	BUS DRIVER	BUS DRIVER	I/O BUS MULTI-PLEXER	I/O BUS MULTI-PLEXER	I/O BUS MULTI-PLEXER	I/O BUS MULTI-PLEXER	DEVICE SELEC-TOR	DEVICE SELEC-TOR	16 INV-ERTERS	4 INPUT NOR GATES	CABLE INTER-FACE	CABLE INTER-FACE																												
	M912	M912	M912	M912	M510	M510	M510	M510	M510	M216	M216	M216	M216	M112	M113	M161	M971	M971																												
B	I/O BUS CARD	I/O BUS CARD	I/O BUS CARD	I/O BUS CARD	I/O BUS RCVR	I/O BUS RCVR	I/O BUS RCVR	I/O BUS RCVR	I/O BUS RCVR	G D FLIP FLOPS	G D FLIP FLOPS	G D FLIP FLOPS	G D FLIP FLOPS	2 INPUT NOR GATES	2 INPUT NAND GATES	BINARY TO OCTAL/ DECIMAL DECODER	CABLE INTER-FACE	CABLE INTER-FACE																												

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44

REVISIONS			
CHK	CHANGE NO.		REV.
	UC15F-00003		A
S. EBBETT 6-FEB-73			
F. DOLL			

UNLESS OTHERWISE SPECIFIED	DRN.	DATE 12/6/72
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS .XXX ±.005 ANGLES ± 0°30' FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	CHKD.	DATE 12/DEC/72
	ENG.	DATE 1/31/73
	PROJ. ENG.	DATE 1/31/73
MATERIAL	PROD.	DATE 2/5/73
	NEXT HIGHER ASSY.	B-DD-UC15-Ø
FIRST USED ON OPTION MODEL UC15	FINISH	SCALE
		SHEET 1 OF 1

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: MODULE UTILIZATION DR15-C

SIZE	CODE	NUMBER	REV.
D	MU	DR15-C-Ø9	A

DIST.

DEC FORM NO DRD 105

SIZE D MU DR15-C-Ø9 REV A

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY V. SOUZA DATE 11/17/72	CHECKED D. C. Stone DATE 14 DEC '72	SECTION 1
ENG A. HELENIUS DATE	PROD Da Souza DATE 2/5/73	ISSUED SECT. 1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION
1	M1Ø3	DEVICE SELECTOR	2
2	M1Ø4	I/O BUS MULTIPLEXER	4
3	M111	INVERTER	1
4	M112	NOR GATE	1
5	M113	10-2 INPUT NAND GATES	1
6	M115	8-3 INPUT NAND GATES	1
7	M161	BINARY TO OCTAL/DECIMAL DECODER	1
8	M216	SIX FLIP FLOPS	4
9	M51Ø	I/O BUS RECEIVER	5
10	M621	DATA BUS DRIVER	2
11	M622	BUS DRIVER	2
12	M912	I/O BUS CONNECTOR CARD	8
13	M971	CABLE INTERFACE	4

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
MODULE UTILIZATION DR15-C	D-MU-DR15-C-Ø9	A	PL	DR15-C-Ø9	A	UC15F-00003
	SHEET 1 OF 1	DIST.				

DEC FORM DRA 110 DEC 16-(325)-1031-N870

SIZE	CODE	NUMBER	REV.
K	WL	DR15-C-WL	A

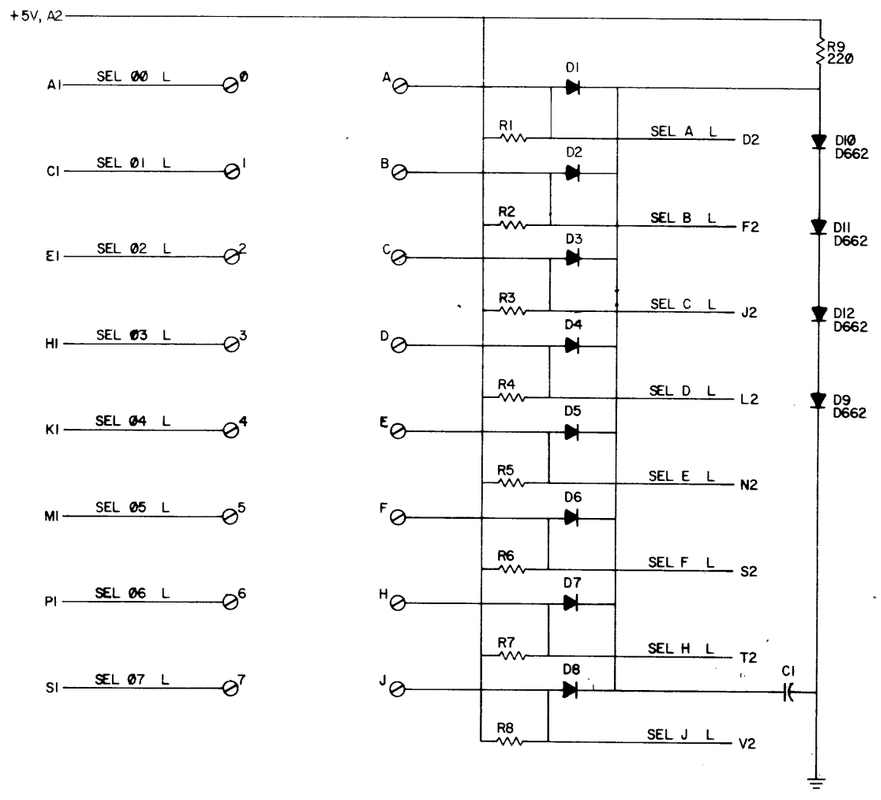
REVISIONS			
CHANGE NO.			REV.
UC15F-00003	E. Osmond	6-17-74	A
F. DOLL	F. Doll	7/25/74	

FIRST USED ON OPTION MODEL
UC15

QTY.	DESCRIPTION	PART NO.	ITEM NO.
	PARTS LIST		

DRN. P. S. Shuga	DATE 12-12-72	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS
CHK'D. P.J. LeBlanc	DATE 12 DEC 72	
ENG. A. Helegwus	DATE 11/31/73	TITLE
PROJ. ENG. R C Gray	DATE 11/31/73	WIRE LIST (DR15-C)
PROD. Da Shuga	DATE 2/5/73	
NEXT HIGHER ASSEMBLY D-AD-7009166-0-0		SIZE K, CODE WL, NUMBER DR15-C-WL, REV. A
SCALE ++		DIST.
SHEET 1 OF 1		

DEC FORM NO. DRB 109



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 10K, 1/4W, 5%
CAPACITORS ARE .01UF, 100V, 20%
DIODES ARE D664
⊘ = SPLIT LUG
GND = C2, T1

REVISIONS			
CHK	CHG NO	REV	
	00001	A	

DRN.	jeanne french	DATE 8/27/70
CHK'D		DATE 9/15/70
		DATE 10/7-70
		DATE 11/7/71

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA
D664	IN3606		
D662	IN645		

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE DISK SELECTION G740

SIZE	CODE	NUMBER	REV.
C	CS	G740-0-1	A

PRINTED CIRCUIT REV. A

MATERIAL C CS G740-0-1 A

DEC FORM NO. DRC 102

DIST. 324,434,435 3

5 PINK

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

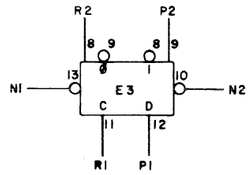
MADE BY E. Yates	CHECKED [illegible]	SECTION
DATE 9-4-70	DATE 9/22/70	
ENG E. Eriksen	PROD [illegible]	ISSUED SECT.
DATE 9/24-70	DATE 2/9/71	

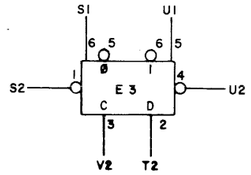
ITEM NO.	DWG NO./PART NO.	DESCRIPTION	QUANTITY/VARIATION
	C-CS-G740-0-1	CIRCUIT SCHEMATIC	
	K-CO-G740-0-4	X-Y COORDINATE HOLE LOCATION	
	C-AH-G740-0-5	ASSY/DRILLING HOLE LAYOUT	
	5009114	ETCHED CIRCUIT BOARD	1
	1001610	CAP. .01UF 100V. 20% DISC	1
	1100113	DIODE D662	4
	1100114	DIODE D664	8
	1202258	HANDLE FLIP CHIP - GREEN	1
	1300271	RES. 220 ¼W. 5%	1
	1300479	RES. 10K. ¼W. 5%	8
	~~9006731~~	~~FEED THRU EYELET~~	~~10~~
	9006732	EYELET #GS4-7 E. B. STIMPSON	2
	9006735	SPLIT LUGS	16

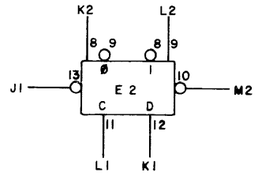
TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
DISK SELECTION. G740	SHEET 1 OF 1	A	PL	G740-0-0	A	G740-00001
		DIST.	~~324~~	434	435	3

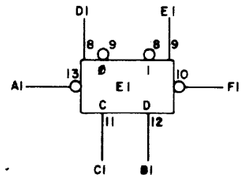
DEC FORM NO. 16-1031
DRA 110

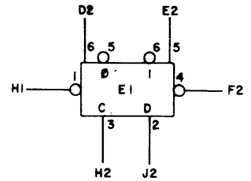
[illegible] 5 PINK

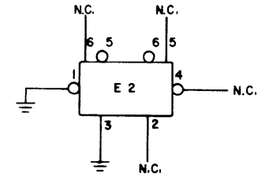


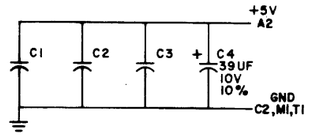


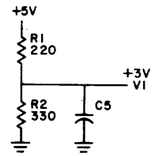




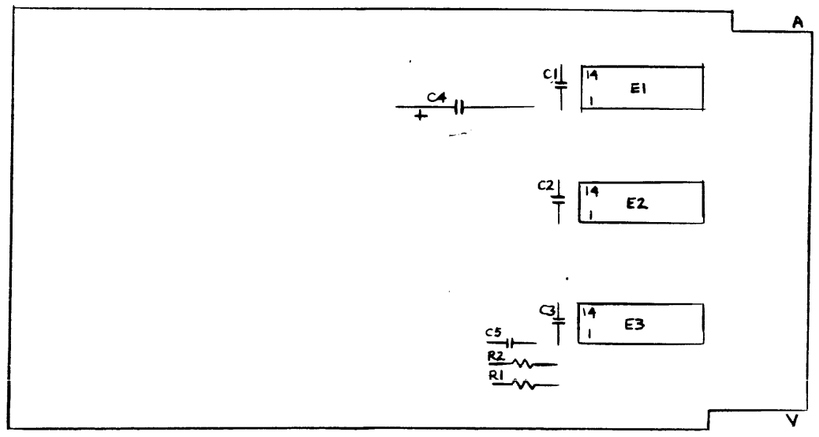








UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 5%
CAPACITORS ARE .01UF, 100V, 20%
IC'S ARE DEC1074H74
PIN 7 = GND
PIN 14 = +5V ON EACH IC



ITEM NO.	DEC PART NO.	DESCRIPTION	QTY.
11	9008337-06	HANDLE, FLIP CHIP - MAGENTA	1
10	9006732	EYELET #GS 4-7	2
9	1940553	I.C. DEC1074H74	3
8	1300295	RES. 330, ¼W, 5% CC	1
7	1300271	RES. 220, ¼W, 5% CC	1
6	1001610	CAP. .01UF, 100V, 20% DISC	4
5	1000076	CAP. 39UF, 10V, 10% S. TANT	1
4	5009357	ETCHED CIRCUIT BOARD	1
3	B-MH-M246-0-6	MODULE ECO HISTORY	
2	C-AH-M246-0-5	ASSY/DRILLING HOLE LAYOUT	
1	K-CO-M246-0-4	X-Y COORDINATE HOLE LOCATION	

PARTS LIST

REVISIONS			
REV.	CHG NO.	CHK	
A	00001	[illegible]	

DRN. S. COOPER	DATE	12/10/70
CHK'D [illegible]	DATE	1-12-71
ENG. [illegible]	DATE	2-2-71
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: 5 D FLIP FLOPS M246

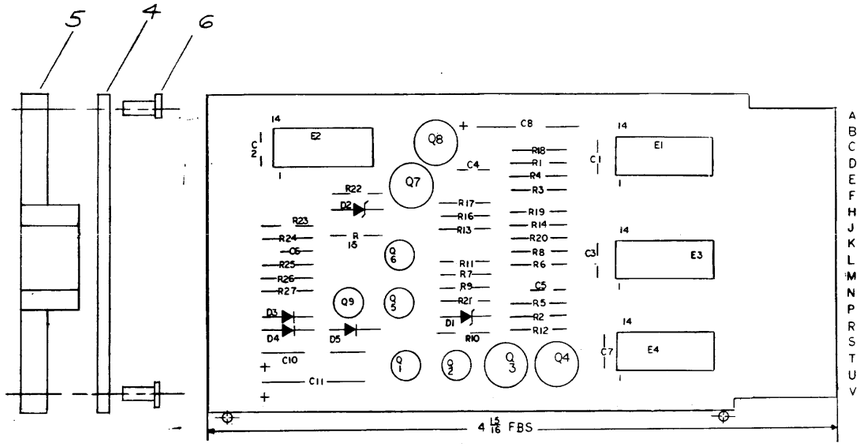
SIZE	CODE	NUMBER	REV.
C	CS	M246-0-1	A

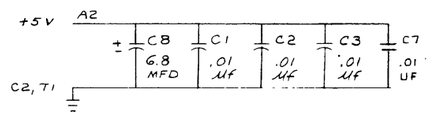
PRINTED CIRCUIT REV. A

DEC FORM NO. DRC 102

Pin 1

NOTES:





QTY	REF DESIGNATION	DESCRIPTION	PART NO	ITEM NO
				32
4	Q3 Q4 Q7 Q8	TRANSIPADS	9007200	31
1	C11	CAP. 10UF 20V 10%	1004813	30
1	C10	CAP. 39UF 10V 10%	1000076	29
6	R7, R13, R19, R20, R10, R16	RES. 4.7K 1/4W 5%	1300447	28
2	R23 R24	RES. 1.5K 1/4W 5%	1300391	27
4	R12, R18, R25, R26	RES. 470 1/4W 5%	1300316	26
				25
1	Q9	TRANSISTOR DEC 3009B	1503100	24
3	D3, D4, D5	DIODE D664	1100114	23
1	E2	IC DEC 1404	1909686	22
5	C1, C2, C3, C6, C7	CAP. .01 UF 100V 20% DISC	1201610	21
1	C8	CAP. 6.8UF 35V, 20% TANT	1000067	20
2	C4, C5	CAP 1000PF 100V 5% MICA	1000042	19
2	D1, D2	DIODE IN750A 4.7V ZENER	1100124	18
				17
4	R8, R11, R14, R17,	RES. 10K 1/4 5%	1300479	16
2	R1, R2,	RES. 3.9K 1/4 5%	1300449	15
6	R4, R6, R15, R9, R21, R22	RES. 1K 1/4, 5%	1300365	14
				13
3	R3, R5, R27	RES. 100 1/4, 5%	1300229	12
4	Q1, Q2, Q5, Q6	TRANS. DEC 6534D	1503409	11
2	Q3, Q7	TRANS. 2N1309	1501311	10
2	Q4, Q8	TRANS. 2N1308	1500583	9
1	E3	IC DEC 7405	1909930	8
2	E1, E4	IC DEC 74H52	1909061	7
2		EYELET	9006732	6
1		HANDLE, FLIP CHIP-MAGENTA	9008337-06	5
1		ETCHED CKT BD	5010085	4
REF		MODULE ECO HISTORY	B-MH-M688-0-1	3
REF		ASSY/DRILLING HOLE LAYOUT	D-9H-M688-0-1	2
REF		X-Y COORDINATE HOLE LOCATION	K-CO-M688-0-1	1

PARTS LIST

ETCH BOARD REV B

IC TYPE	GND	+ 5V

GND AND 5V ARE USUALLY PIN 7 AND 14 RESPECTIVELY EXCEPTIONS ARE STATED ABOVE

IC PIN LOCATIONS

DEC NO.	EIA NO.	DEC NO.	EIA NO.
		DEC 6534	N/A
		2N1309	SAME
		2N1308	SAME
		IN748	SAME

SEMICONDUCTOR CONVERSION CHART

FIRST USED ON OPTION MODEL: PDP 11

REV	CHANGE NO.	CHK	REVISIONS
A	M699-00001	S.ROTHMAN	7-26-72
B	M688-00002	S.ROTHMAN	8-25-72
C	M688-00003	S.ROTHMAN	12-6-72
D	M688-00004	S.ROTHMAN	12-5-73
E	M688-00005	DON VONADA	8-6-74

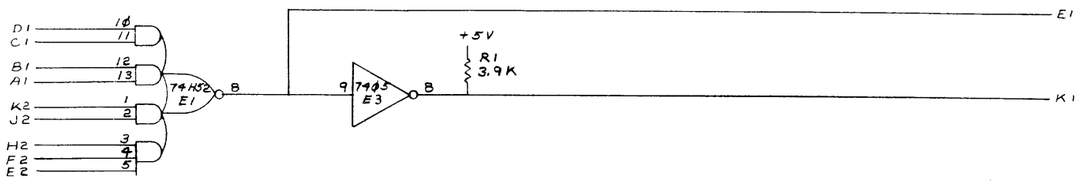
DRN. [illegible] DATE 5/15/72
CHK'D [illegible] DATE 6/1/72
ENG. [illegible] DATE
PROJ. ENG. [illegible] DATE 6-72
PRODY [illegible] DATE 6/8/72
NEXT HIGHER ASSY
SCALE NONE
SHEET 1 OF 2

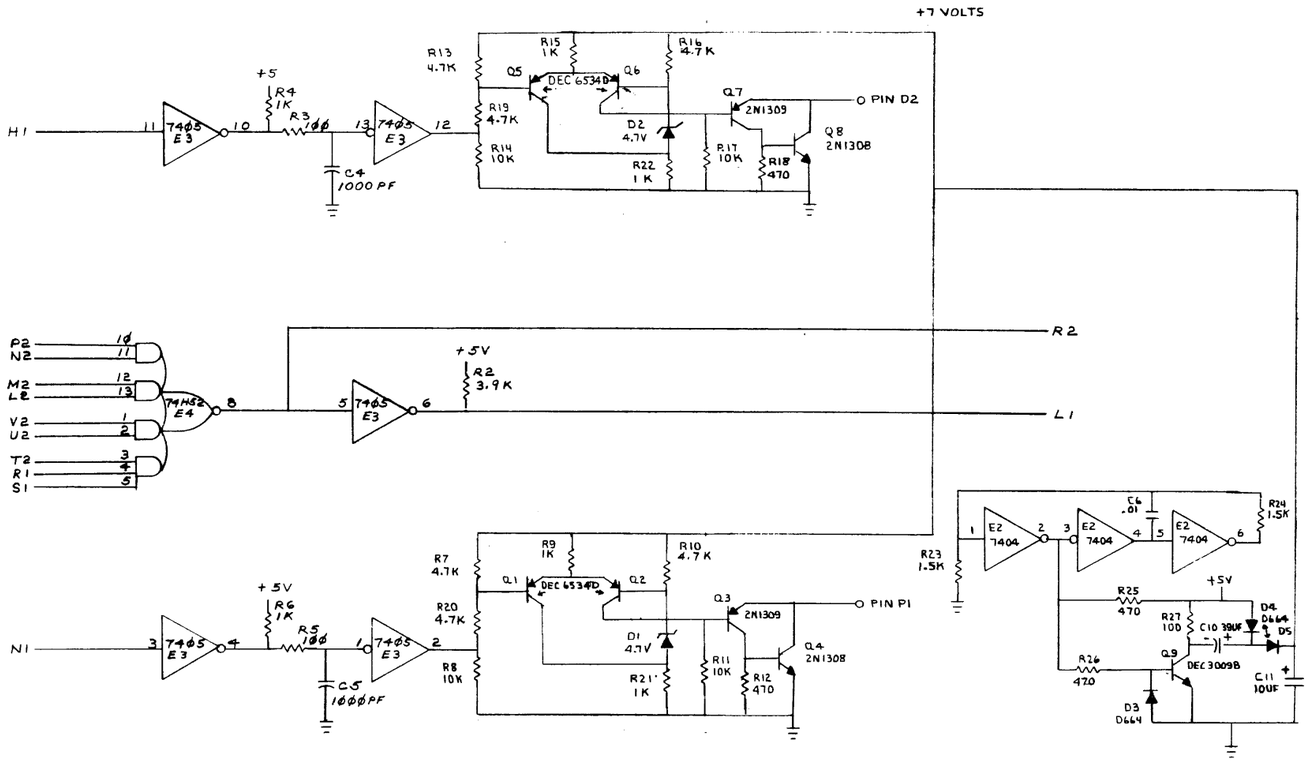
digital EQUIPMENT CORPORATION

TITLE: UNIBUS POWER FAIL DRIVERS

SIZE D | CODE CS | NUMBER M688-0-1 | REV. E | DIST

BRUNING 40-522 16699
DEC FORM NO. DRD-135A



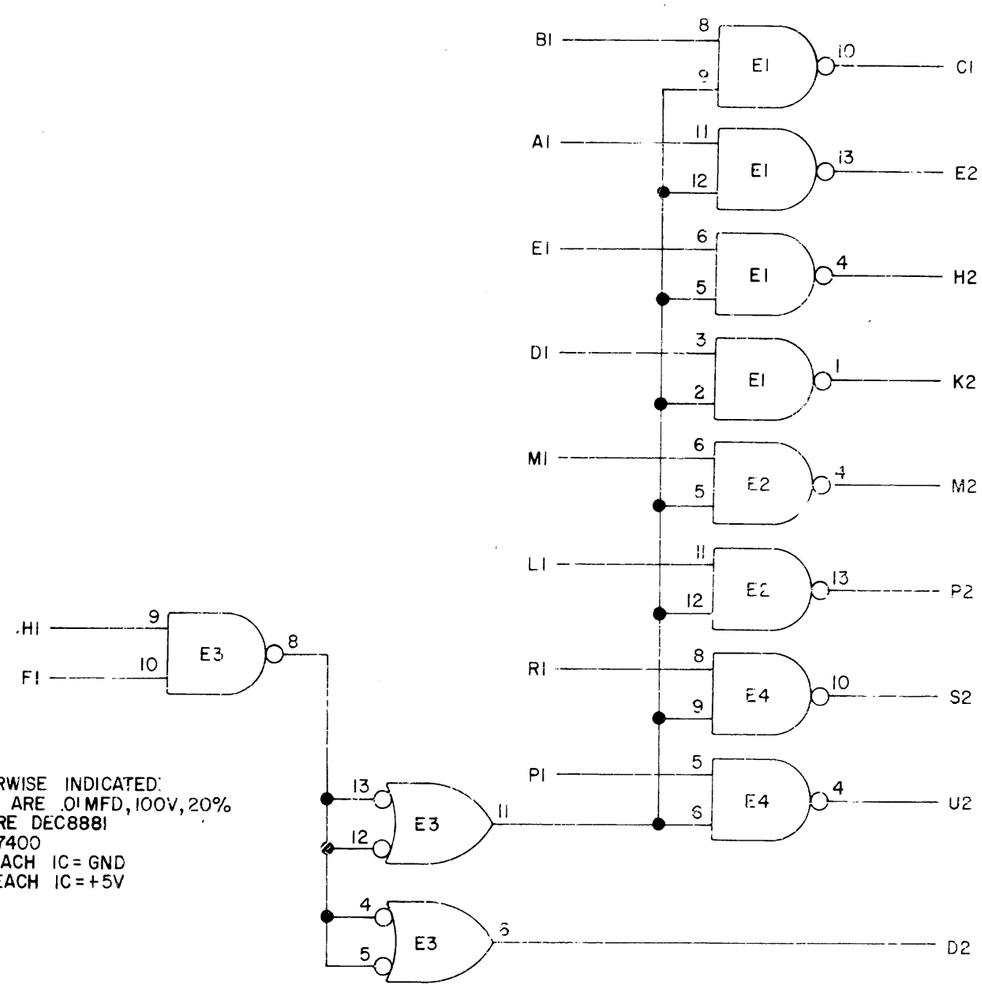


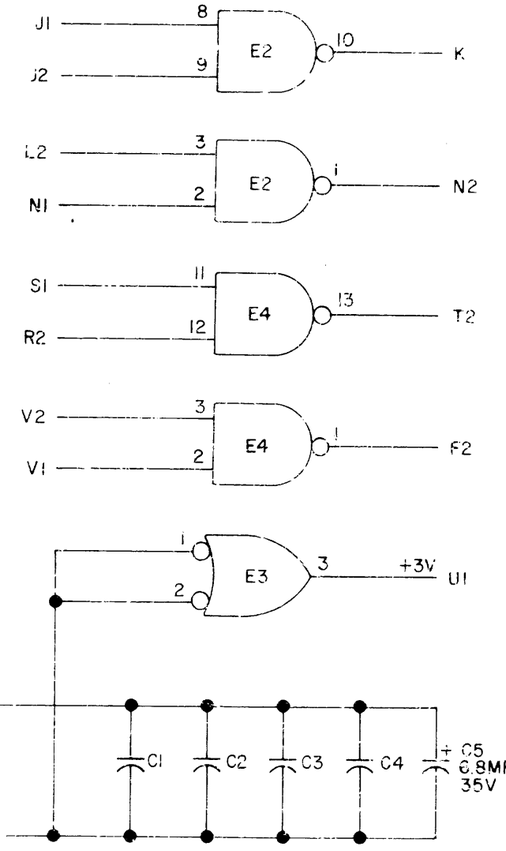
FIRST USED ON OPTION/MODEL: PDP 11	QTY.	DESCRIPTION	PART NO. / ITEM NO.
		PARTS LIST	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES. DECIMALS: XXX ± .005, XX ± .02, X ± 1. ANGLES: ±0° 30'. REMOVE BURRS AND BREAK SHARP CORNERS. SURFACE QUALITY ✓	DRN: E. Wilson	DATE: 5/19/72	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS
	CHK'D: R. Cook	DATE: 6/1/72	
	ENG: A. Mathews	DATE: 6-1-72	TITLE: UNIBUS POWER FAIL DRIVERS
	PROJ. ENG.	DATE	
	PROG: C. Stuart	DATE: 6/2/72	
MATERIAL	NEXT HIGHER ASSY.		SIZE D / CODE CS / NUMBER M688-Ø-1 / REV. E
FINISH	SCALE: NONE		
	SHEET 2 OF 2		DIST:

REVISIONS			
REV	CHANGE NO	CHK	

BRUNING 40-522 13840
DEC FORM NO. DRD 102-B

D CS M688-Ø-1 E





REVISIONS	REV	CHG NO	CHK

DRN	A Petcey	DATE 11-21-69
CHK'D		DATE
ENG	P E Johnson	DATE 12/5/70
PROD		DATE

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: UNIBUS DRIVERS M783

SIZE	CODE	NUMBER	REV
B	CS	M783-0-1	

PRINTED CIRCUIT REV: A B

DEC FORM NO
DRB 102

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MS-513-P3

MADE BY Patty Graves	CHECKED [illegible]	SECTION
DATE 1-7-70	DATE 1-7-70	
ENG P.E. Jansson 2/25/70	PROD R. Silverman	ISSUED SECT.
DATE	DATE 3/11/70	

ITEM NO.	DWG NO./PART NO. CL BASIC VAR.	DESCRIPTION	QTY/VAR	UNIT COST	UNIT QUANTITY	QUANTITY ISSUED
	B-CS-M783-0-1	CIRCUIT SCHEMATIC			1	
	K-CO-M783-0-4	X-Y COORDINATE HOLE LOCATION			1	
	D-AH-M783-0-5	ASSY/DRILLING HOLE LAYOUT			1	
	5008729	ETCHED CKT. BD.			1	
	1001610	CAP, .01 MFD, 100V, 20%			4	
	1000067	CAP, 6.8 MF, 35V, 20%			1	
	1205725	HANDLE, FLIP CHIP- MAGENTA			1	
	1905575	I.C. DEC 7400			1	
	1909705	I.C. DBC 8881			3	
	9006732	EYELET # GS 4-7 E. B. STIMPSON			2	

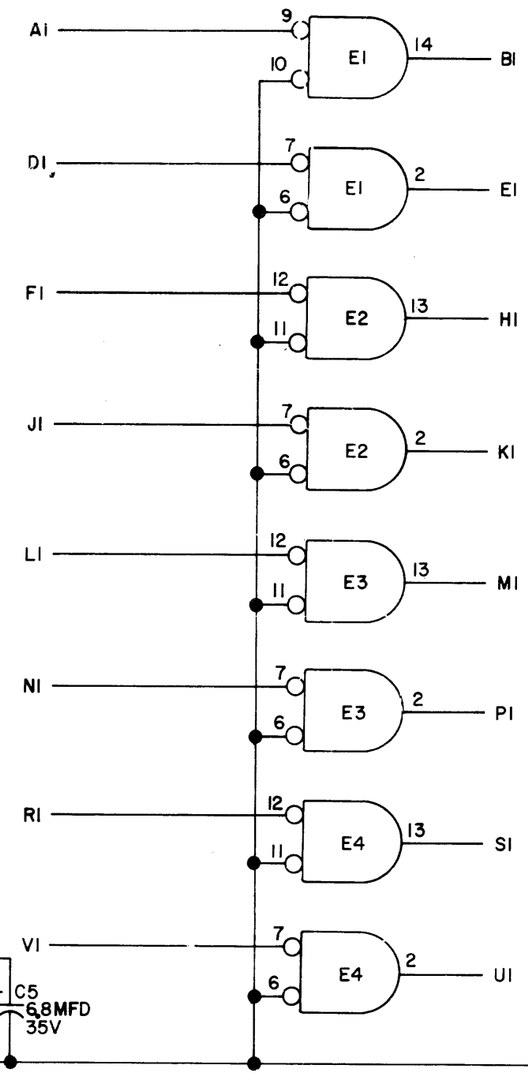
TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
UNIBUS DRIVERS M783		A	PL	M783-0-0		
	SHEET 1 OF 1	DIST.	324	434 435		

DEC FORM NO 16-1027
DRA 123

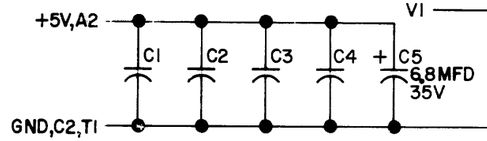
5 PINK

SIZE	CODE	NUMBER	REV
B	CS	M784-0-1	D

NOTE:
FOR YA ONLY
ICs ARE DEC 384.



UNLESS OTHERWISE INDICATED:
CAPACITORS ARE .01MFD, 100V, 20%
IC'S ARE DEC 8640
PIN 1 ON EACH IC=GND
PIN 8 ON EACH IC=+5V



REVISIONS			
CHK	CHG NO	REV.	
E.R.	00001	A	
P.J.	00002	B	
	00003	C	
L. LONDON			
P. Jones 6-7-76	00004	D	

DRN. G. Nelson	DATE	11-18-69
CHK'D T. Mitchell	DATE	1-7-70
ENG. P.E. Jones	DATE	3/11/70
PROD.	DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE UNIBUS RECEIVERS
M784

SIZE	CODE	NUMBER	REV
B	CS	M784-0-1	D

PRINTED CIRCUIT REV. A B C

DEC FORM NO.
DRB 102

MS641-P4

DIST. 324, 434, 42, 3

Part

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MS 641-P5

MADE BY Patty Hall	CHECKED J. Hutchinson	SECTION
DATE 1-7-70	DATE 1-7-70	
ENG DE Jansson 2/11/70	PROD D Ward	ISSUED SECT.
DATE	DATE 2/6/70	

ITEM NO.	DWG NO./PART NO. CL BASIC VAR.	DESCRIPTION	QTY/VAR M784-YA	UNIT COST	UNIT QUANTITY	QUANTITY ISSUED
	B-CS-M784-0-1	CIRCUIT SCHEMATIC	1		1	
	K-CO-M784-0-4	X-Y COORDINATE HOLE LOCATION	1		1	
	D-AH-M784-0-5	ASSY/DRILLING HOLE LAYOUT	1		1	
	5008730	ETCHED CKT. BD.	1		1	
	1000067	CAP. 6.8 MFD, 35V, 20%	1		1	
	1001610	CAP. .01 MFD, 100V, 20%	4		4	
	1205725	HANDLE, FLIP CHIP-MAGENTA	1		1	
	1911469	I.C. ~~DEC~~ 8640	0		4	
	9006732	EYELET # GS 4-7 E. B. STIMPSON	2		2	
	~~9006735~~	~~FEED THRU EYELETS~~	~~22~~		~~23~~	
	1909486	IC DEC ~~384~~	4		0	

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV	ECO NO
UNIBUS RECEIVERS M784	SHEET 1 OF 1	A	PL	M784-0-0	E	M784-00005
		DIST.	324	434	435	3

DEC FORM NO 16 1027
DRA 123

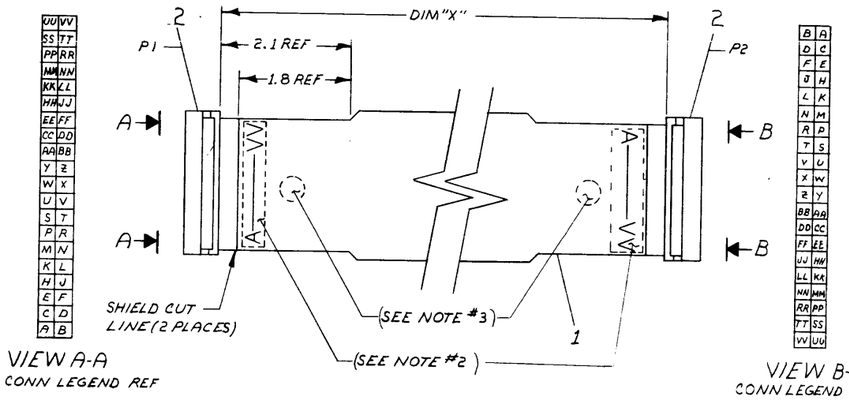
WIPE TABLE

FROM	TO	FROM	TO
P1-A	P2-VV	P1-Y	P2-X
P1-B	P2-UU	P1-Z	P2-W
P1-C	P2-TT	P1-AA	P2-V
P1-D	P2-SS	P1-BB	P2-U
P1-E	P2-RR	P1-CC	P2-T
P1-F	P2-PP	P1-DD	P2-S
P1-H	P2-NN	P1-EE	P2-R
P1-J	P2-MM	P1-FF	P2-P
P1-K	P2-LL	P1-HH	P2-N
P1-L	P2-KK	P1-JJ	P2-M
P1-M	P2-JJ	P1-KK	P2-L
P1-N	P2-HH	P1-LL	P2-K
P1-P	P2-FF	P1-MM	P2-J
P1-R	P2-EE	P1-NN	P2-H
P1-S	P2-DD	P1-PP	P2-F
P1-T	P2-CC	P1-RR	P2-E
P1-U	P2-BB	P1-SS	P2-D
P1-V	P2-AA	P1-TT	P2-C
P1-W	P2-Z	P1-UU	P2-B
P1-X	P2-Y	P1-VV	P2-A

LEGEND

NUMBER	DIM "X"	PRE-CUT LENGTH
BC08R-01	1.00 FT.	1.00FT 1.5 IN ± .50 IN
BC08R-02	2.00 FT	2.00FT 1.5 IN ± 1.00 IN
BC08R-03	3.00 FT.	3.00FT 1.5 IN ± 1.00 IN
BC08R-04	4.00 FT.	4.00FT 1.5 IN ± 1.00 IN
BC08R-05	5.00 FT.	5.00FT 1.5 IN ± 1.00 IN
BC08R-06	6.00 FT.	6.00FT 1.5 IN ± 2.00 IN
BC08R-07	7.00 FT.	7.00FT 1.5 IN ± 2.00 IN
BC08R-08	8.00 FT.	8.00FT 1.5 IN ± 2.00 IN
BC08R-09	9.00 FT.	9.00FT 1.5 IN ± 2.00 IN
BC08R-10	10.00 FT	10.00FT 1.5 IN ± 2.00 IN
BC08R-11	11.00 FT.	11.00FT 1.5 IN ± 3.00 IN
BC08R-12	12.00 FT.	12.00FT 1.5 IN ± 3.00 IN
BC08R-13	13.00 FT	13.00FT 1.5 IN ± 3.00 IN
BC08R-14	14.00 FT	14.00FT 1.5 IN ± 3.00 IN
BC08R-15	15.00 FT	15.00FT 1.5 IN ± 3.00 IN
BC08R-16	16.00 FT	16.00FT 1.5 IN ± 3.00 IN
BC08R-17	17.00 FT	17.00FT 1.5 IN ± 3.00 IN
BC08R-18	18.00 FT	18.00FT 1.5 IN ± 3.00 IN
BC08R-19	19.00 FT	19.00FT 1.5 IN ± 3.00 IN
BC08R-20	20.00 FT	20.00FT 1.5 IN ± 3.00 IN
BC08R-25	25.00 FT	25.00FT 1.5 IN ± 3.00 IN
BC08R-30	30.00 FT	30.00FT 1.5 IN ± 0.60 FT
BC08R-35	35.00 FT	35.00FT 1.5 IN ± 0.70 FT
BC08R-50	50.00 FT	50.00FT 1.5 IN ± 1.00 FT
BC08R-60	60.00 FT	60.00FT 1.5 IN ± 1.20 FT
BC08R-75	75.00 FT	75.00FT 1.5 IN ± 1.50 FT
BC08R-A0	100.00 FT	100.00FT 1.5 IN ± 2.00 FT
BC08R-A3	130.00 FT	130.00FT 1.5 IN ± 2.00 FT
BC08R-A6	160.00 FT	160.00FT 1.5 IN ± 2.00 FT

1. ASSEMBLE THIS CABLE PER PROCESS SPEC #7606&A5-0-0.
2. CONNECTOR LEGEND IDENTIFICATION TO BE MARKED ON SHIELD SIDE OF CABLE IN THIS AREA AS SHOWN.
3. INSPECTION & TEST STAMPS TO BE PLACED AT EACH END OF THE CABLE ASSY.
4. STRIP LENGTH SHOULD BE .62 ± 4/32.



2	CONNECTOR, 40 SOCKET	12112Ø6	2
A/R	CABLE, 40 COND. FLAT W/ SHIELD	17ØØØØ4	1
	DESCRIPTION	DWG./PART NO	ITEM NO.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES					
ANGLES ±0° 30'	(CHECK ONE)	OVER 0 TO 0.2	OVER 0.2 TO 1.2	OVER 1.2 TO 4.0	OVER 4.0 TO 12.0	OVER 12.0 TO 40.0	OVER 40.0 TO 80.0
SURFACE QUALITY IN MICROINCHES	MEDIUM ☐	±.004	±.008	±.012	±.016	±.024	±.04
	PREFERRED ☐	±.012	±.016	±.025	±.04	±.063	±0.1

QUANTITY & VARIATION

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

MATERIAL

FINISH

DRN D. FONTAINE 8-28-76
CHK'D J. FLEMING
ENG P. GARDNER
PROJ. ENG GARDNER
PROD. MGR.
NEXT HIGHER ASSY.

FIRST USED ON

digital

TITLE BC08R I/O CABLE

SIZE D | CODE | NUMBER | REV. M

SCALE

SHEET OF

DIST.

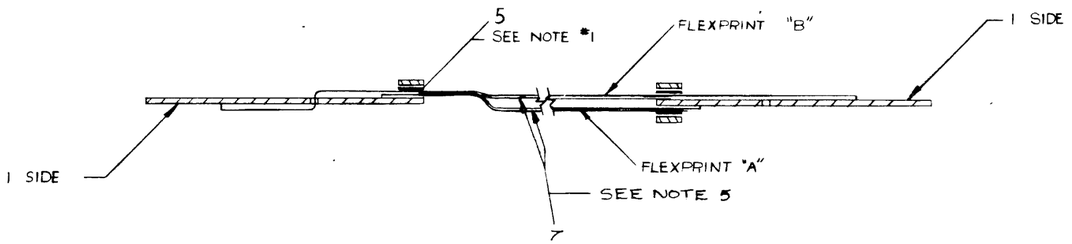
REVISIONS			
CHK	CHANGE NO.	REV.	
J. Fleming 8-23-JAN-76	BC08R-00006	L	REVISED & REDRAWN
J. Fleming 24-JAN-76	BC08R-00007	M	S. HOLMES
P. Gardner 2-FEB-76			P. GARDNER

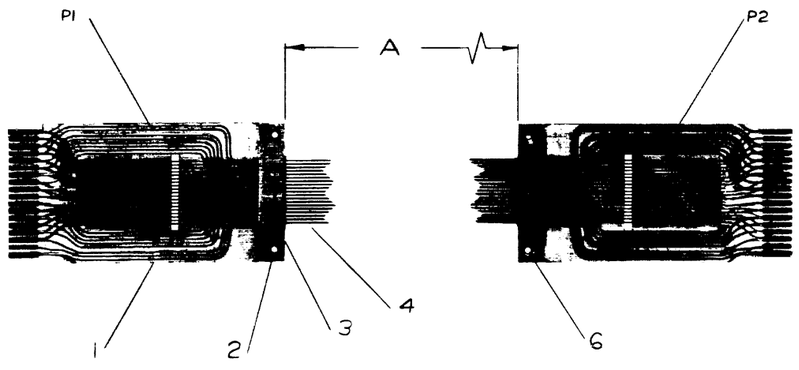
DEC FORM NO. DRD 100-C
B.L.M. #1147

REV.	SIZE	CODE	NUMBER
B	D	UA	BCØ8A-Ø-Ø

PART NO.	DIM "A"
BCØ8A-1	1 FT
BCØ8A-2	2 FT
BCØ8A-3	3 FT
BCØ8A-4	4 FT
BCØ8A-5	5 FT
BCØ8A-6	6 FT
BCØ8A-7	7 FT
BCØ8A-8	8 FT
BCØ8A-9	9 FT
BCØ8A-10	10 FT
BCØ8A-3A	3 1/2 FT
BCØ8A-15	15 FT

SEE NOTE #2





NOTES:

1. ATTACH ITEM #5 (TAPE) TO ITEM #3 (FLEX PRINT CLAMP) THEN ASSEMBLE ITEM #3 TO ITEM #1 (FLIP CHIP) WITH ITEM #2 OR #6 (EYELETS).
2. FLEXPRINT IS TO BE CUT TO THE FOLLOWING LENGTHS, PRIOR TO FABRICATION:
   FLEXPRINT "A" – DIM "A" PLUS $1\frac{3}{4}$ INCHES
   FLEXPRINT "B" – DIM "A" PLUS 7-3/8"
   FLEXPRINT "C" – DIM A PLUS 1-1/4"
3. P1 IS WIRED TO P2 ON THE SAME PINS, EXAMPLE: P1-A1 IS WIRED TO P2-A1 AND P1-B2 IS WIRED TO P2-B2 AND SO ON.
4. TOLERANCES: (STD. CABLE)
   0 TO $2\frac{1}{2}$ FT ± $\frac{1}{2}$ INCH
   2'7" TO 5 FT ± 1 INCH
   5'1" TO 10 FT ± 2 INCHES
   GREATER THAN 10FT. ± 2%
5. FLEXPRINT "C" (ITEM #7) IS NOT ELECTRICALLY CONNECTED.

REVISIONS	CHANGE NO.	REV.
CHK	BCØ8A-00001	A
CHK	BCØ8A-00002	B

DEC FORM NO. DRC

FIRST USED ON OPTION / MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP-8I		PARTS LIST		

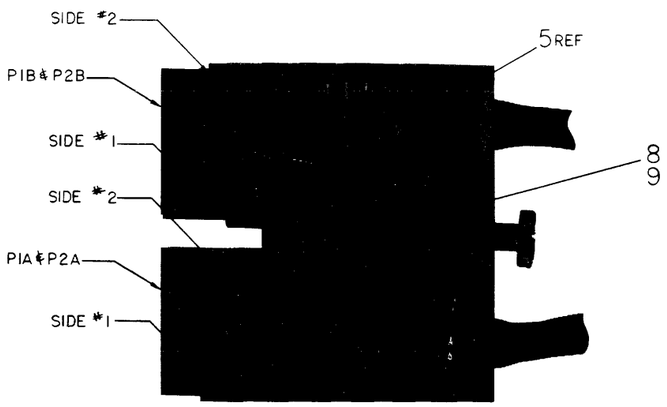
UNLESS OTHERWISE SPECIFIED
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 0°30'
FINISH SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS
MATERIAL
FINISH

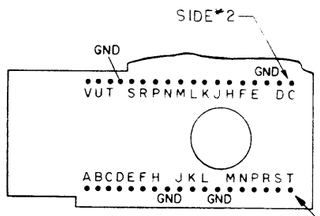
DRN. Robert J. McTeague DATE 4/9/68
CHK'D. DATE
ENG. DATE 10/13/64
PROJ. ENG. DATE 1/15/68
PROD. DATE 10/14/68
NEXT HIGHER ASSY

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: BCØ8A CABLE

SIZE D | CODE UA | NUMBER BCØ8A-Ø-Ø | REV. B
SCALE NONE
SHEET 1 OF 1
DIST. G



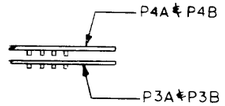


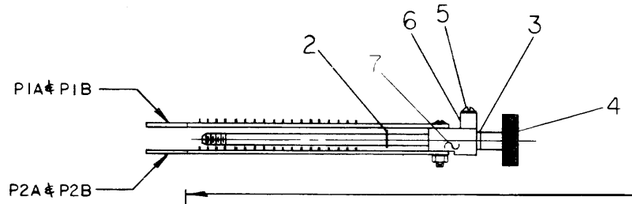
DETAIL-A

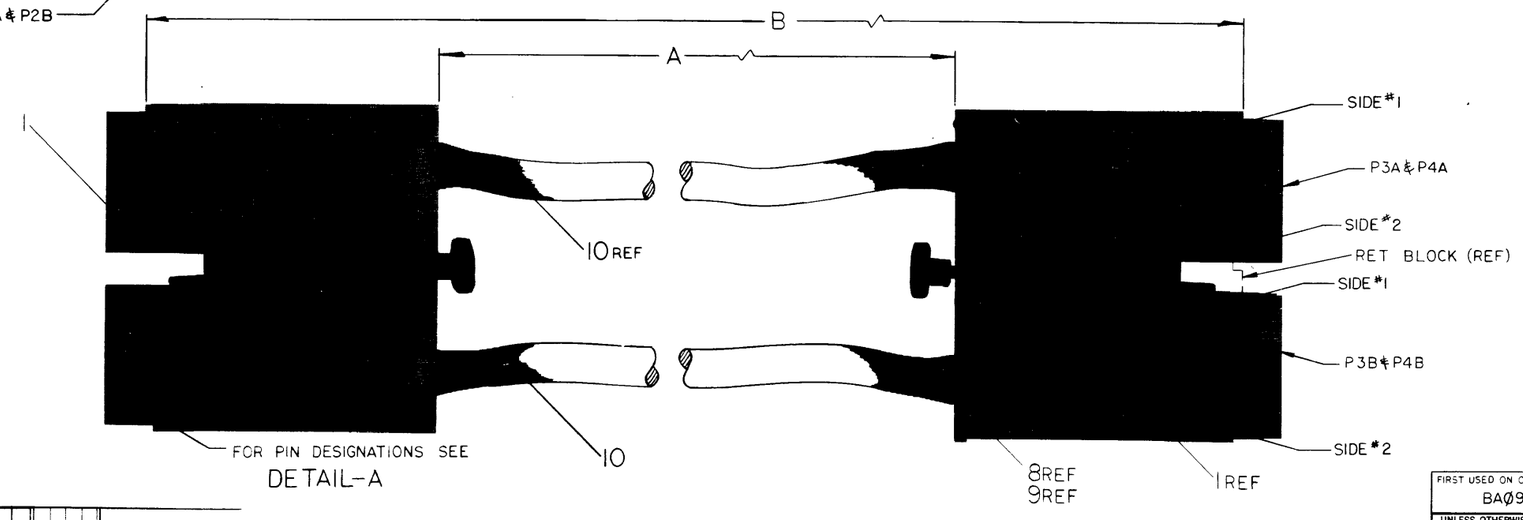
LEGEND		
NUMBER	VARIATION	
	DIM-"A"	DIM-B (PRE CUT) REF
BC09B-02	2 FT ± 1/2 IN	2 FT 8 IN ± 1/2 IN
BC09B-03	3 FT ± 1 IN	3 FT 8 IN ± 1 IN
BC09B-04	4 FT ± 1 IN	4 FT 8 IN ± 1 IN
BC09B-05	5 FT ± 1 IN	5 FT 8 IN ± 1 IN
BC09B-07	7 FT ± 2 IN	7 FT 8 IN ± 2 IN
BC09B-10	10 FT ± 2 IN	10 FT 8 IN ± 2 IN
BC09B-12	12 FT ± 3 IN	12 FT 8 IN ± 3 IN
BC09B-15	15 FT ± 4 IN	15 FT 8 IN ± 4 IN
BC09B-25	25 FT ± 6 IN	25 FT 8 IN ± 6 IN
BC09B-50	50 FT ± 1 FT	50 FT 8 IN ± 1 FT
BC09B-A0	100 FT ± 2 FT	100 FT 8 IN ± 2 FT

NOTES:

1. CUT DRAIN SHIELDS, DRAIN WIRES AND OUTER INSULATION AT THE SAME POINT.







A/R	DESCRIPTION	PART NO.	ITEM NO.
A/R	CABLE P/N 61010-6	9107599	10
8	NUT KEPS 4-40 SST	9006557	9
8	SCR PHL H PAN #4-40 X 3/4 LG SST	9006015-11	8
2	MODULE HOLDER	D-SC-120377-00	7
2	CABLE CLAMP	B-MD-7405639-2-0	6
8	SCR PHL H PAN #6-32 X 1/2 LG SST SELF TAPPING	9008181	5
2	SCR, MODULE RET	C-MD-7405642-0-0	4
2	WASH 3/8 X 1/4 X 1/32 NYLON	9006712	3
2	RET RING 5133-18 WALDES	9007913	2
4	ETCH BOARD ASSY	M9[illegible]	1

PARTS LIST

FIRST USED ON OPT/MOD. BAØ9

UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 0°30'
FINAL SURFACE QUALITY ✓
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL

FINISH

DRN.	COOK	DATE 3/5/69
CHK'D.	RUSS	DATE 3-7-69
ENG.	ELIA-SHAOUL	DATE 3-10-69
PROJ ENG.	ELIA-SHAOUL	DATE 4-4-69
PROD.	ANTONUCCIO	DATE 4/5/69
FIRST USED ON		
SCALE		
SHEET	1 OF 2	

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE
BCØ9B
CABLE ASSY

SIZE	CODE	NUMBER	REV.
D	UA	BCØ9B-Ø-Ø	C

DIST.

REVISIONS			
CHK	CHANGE NO.	REV.	
[illegible]	BC09B-00002	B	REDRAWN & REVISED 3-24-70 ELIA-SHAOUL
[illegible]	BC09B-0000 3	C	3-22-72 ELIA-SHAOUL

DEC FORM NO. DRD

REV. C
PART CODE D UA NUMBER BCØ9B-Ø-Ø

P1A-SIDE #2 TO P3A-SIDE #2

ITEM NO.	DESCRIPTION AWG	COLOR	CONNECTIONS FROM	TO	REMARKS
13	24	GRN/WHT	P1A-C2	P3A-C2	TWP
		WHT	D2	D2	
		BRN/WHT	GND2	GND2	
		WHT	E2	E2	
		SLA/WHT	F2	F2	
		WHT	H2	H2	
		BLU/WHT	J2	J2	
		RED	K2	K2	
		ORN/WHT	L2	L2	
		RED	M2	M2	
		GRN/WHT	N2	N2	
		RED	P2	P2	
		BRN/WHT	R2	R2	
		RED	S2	S2	
		SLA/WHT	GND2	GND2	
		RED	T2	T2	
		BLU/WHT	U2	U2	
13	24	BLK	P1A-V2	P3A-V2	TWP

P1A-SIDE #1 TO P3A-SIDE #1

ITEM NO.	DESCRIPTION AWG	COLOR	CONNECTIONS FROM	TO	REMARKS
13	24	BRN	P1A-A1	P3A-A1	TWP
		YEL	B1	B1	
		SLA	C1	C1	
		YEL	D1	D1	
		PUR	E1	E1	
		BLU	F1	F1	
		PUR	H1	H1	
		ORN	GND1	GND1	
		PUR	J1	J1	
		GRN	K1	K1	
		PUR	L1	L1	
		BRN	GND1	GND1	
		PUR	M1	M1	
		SLA	N1	N1	
		WHT	P1	P1	
		BLU/WHT	R1	R1	
		WHT	S1	S1	
13	24	ORN/WHT	P1A-T1	P3A-T1	TWP

P1B-SIDE #2 TO P3B-SIDE #2

ITEM NO.	DESCRIPTION AWG	COLOR	CONNECTIONS FROM	TO	REMARKS
13	24	GRN/WHT	P1B-C2	P3B-C2	TWP
		WHT	D2	D2	
		BRN/WHT	GND2	GND2	
		WHT	E2	E2	
		SLA/WHT	F2	F2	
		WHT	H2	H2	
		BLU/WHT	J2	J2	
		RED	K2	K2	
		ORN/WHT	L2	L2	
		RED	M2	M2	
		GRN/WHT	N2	N2	
		RED	P2	P2	
		BRN/WHT	R2	R2	
		RED	S2	S2	
		SLA/WHT	GND2	GND2	
		RED	T2	T2	
		BLU/WHT	U2	U2	
13	24	BLK	P1B-V2	P3B-V2	TWP

P1B-SIDE #1 TO P3B-SIDE #1

ITEM NO.	DESCRIPTION AWG	COLOR	CONNECTIONS FROM	TO	REMARKS
13	24	BRN	P1B-A1	P3B-A1	TWP
		YEL	B1	B1	
		SLA	C1	C1	
		YEL	D1	D1	
		PUR	E1	E1	
		BLU	F1	F1	
		PUR	H1	H1	
		ORN	GND1	GND1	
		PUR	J1	J1	
		GRN	K1	K1	
		PUR	L1	L1	
		BRN	GND1	GND1	
		PUR	M1	M1	
		SLA	N1	N1	
		WHT	P1	P1	
		BLU/WHT	R1	R1	
		WHT	S1	S1	
13	24	ORN/WHT	P1B-T1	P3B-T1	TWP

P2A-SIDE #2 TO P4A-SIDE #2

ITEM NO.	DESCRIPTION AWG	COLOR	CONNECTIONS FROM	TO	REMARKS
13	24	SLA	P2A-C2	P4A-C2	TWP
		RED	D2	D2	
		BLU	GND2	GND2	
		BLK	E2	E2	
		ORN	F2	F2	
		BLK	H2	H2	
		GRN	J2	J2	
		BLK	K2	K2	
		BRN	L2	L2	
		BLK	M2	M2	
		SLA	N2	N2	
		BLK	P2	P2	
		BLU	R2	R2	
		YEL	S2	S2	
		ORN	GND2	GND2	
		YEL	T2	T2	
		GRN	U2	U2	
13	24	YEL	P2A-V2	P4A-V2	TWP

P2A-SIDE #1 TO P4A-SIDE #1

ITEM NO.	DESCRIPTION AWG	COLOR	CONNECTIONS FROM	TO	REMARKS
13	24	BLU	P2A-A1	P4A-A1	TWP
		WHT	B1	B1	
		ORN	C1	C1	
		WHT	D1	D1	
		WHT	E1	E1	
		GRN	F1	F1	
		WHT	H1	H1	
		BRN	GND1	GND1	
		WHT	J1	J1	
		SLA	K1	K1	
		RED	L1	L1	
		BLU	GND1	GND1	
		RED	M1	M1	
		ORN	N1	N1	
		RED	P1	P1	
		GRN	R1	R1	
		RED	S1	S1	
13	24	BRN	P2A-T1	P4A-T1	TWP

P2B-SIDE #2 TO P4B-SIDE #2

ITEM NO.	DESCRIPTION AWG	COLOR	CONNECTIONS FROM	TO	REMARKS
13	24	SLA	P2B-C2	P4B-C2	TWP
		RED	D2	D2	
		BLU	GND2	GND2	
		BLK	E2	E2	
		ORN	F2	F2	
		BLK	H2	H2	
		GRN	J2	J2	
		BLK	K2	K2	
		BRN	L2	L2	
		BLK	M2	M2	
		SLA	N2	N2	
		BLK	P2	P2	
		BLU	R2	R2	
		YEL	S2	S2	
		ORN	GND2	GND2	
		YEL	T2	T2	
		GRN	U2	U2	
13	24	YEL	P2B-V2	P4B-V2	TWP

P2B-SIDE #1 TO P4B-SIDE #1

ITEM NO.	DESCRIPTION AWG	COLOR	CONNECTIONS FROM	TO	REMARKS
13	24	BLU	P2B-A1	P4B-A1	TWP
		WHT	B1	B1	
		ORN	C1	C1	
		WHT	D1	D1	
		WHT	E1	E1	
		GRN	F1	F1	
		WHT	H1	H1	
		BRN	GND1	GND1	
		WHT	J1	J1	
		SLA	K1	K1	
		RED	L1	L1	
		BLU	GND1	GND1	
		RED	M1	M1	
		ORN	N1	N1	
		RED	P1	P1	
		GRN	R1	R1	
		RED	S1	S1	
13	24	BRN	P2B-T1	P4B-T1	TWP

WIRE TABLE

REVISIONS

REV.	CHANGE NO.	CHK

FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
BAØ9		PARTS LIST		

UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 0°30'
FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL —//—

FINISH —//—

DRN	Rick	DATE 3/6/69
CHK'D	B. Russ	DATE 3/7/69
ENG.	W. Shand	DATE 3/14/69
PROJ. ENG.	W. Shand	DATE 3/19/69
PROD.		DATE
NEXT HIGHER ASSY	—//	
SCALE	—//	
SHEET 2 OF 2		

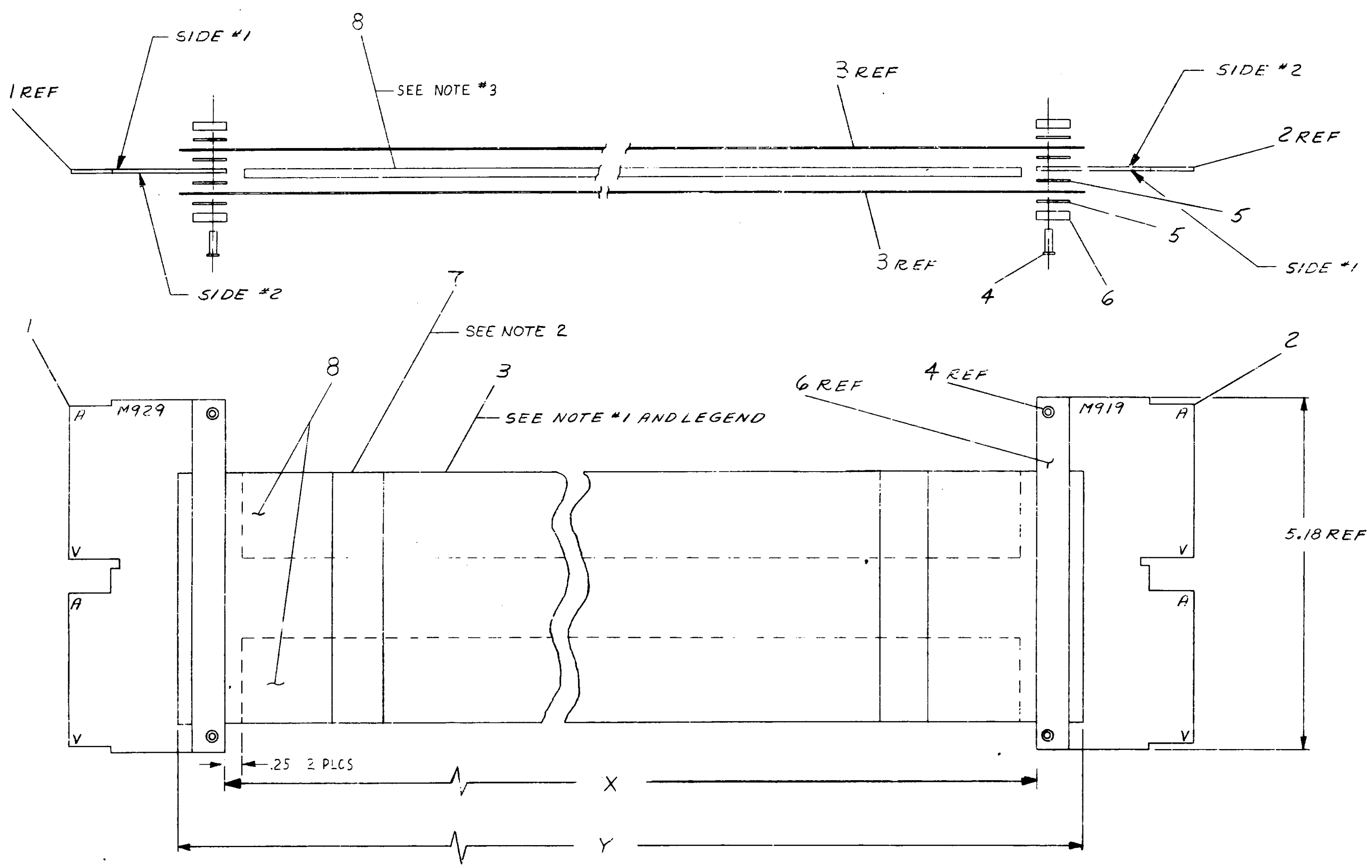
digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: BCØ9B CABLE ASSY

SIZE D | CODE UA | NUMBER BCØ9B-Ø-Ø | REV.

DIST. G

SIZE D | CODE UA | NUMBER BCØ9B-Ø-Ø | REV C



NOTES:

1. VARIATIONS AND LENGTHS SHOWN IN LEGEND ARE STANDARD. OTHER THAN STANDARD VARIATIONS WILL BE SPECIFIED BY ALPHANUMERIC DESIGNATION. FOR LENGTHS OTHER THAN FOOT INCREMENTS FROM ONE (1) FOOT THRU NINE (9) FEET, ELEVEN (11) INCHES.

   A = 1" G = 7"
   B = 2" H = 8"
   C = 3" J = 9"
   D = 4" K = 10"
   E = 5" L = 11"
   F = 6"

   EXAMPLE: BC11A - 3D = 3'4".
   LENGTHS WILL BE IN FOOT INCREMENTS FROM TEN (10) FEET ON, AND WILL BE SPECIFIED BY THE CORRESPONDING NUMERICAL DESIGNATION.
   EXAMPLE: BC11A - 11 = 11 FEET.
   THE TOLERANCE ON DIMENSION "A" WILL BE 2% OF THE FOOT INCREMENT.

2. FLEXPRINTS TO BE BOUND TOGETHER BY WRAPPING WITH BLACK ELECTRICAL TAPE (ITEM 7) EVERY 18 INCHES.

3. INSTALL 2 PIECES OF FOAM TAPE (ITEM 8) BETWEEN FLEX PRINT CABLES AS SHOWN.

PARTS LIST

QTY.	DESCRIPTION	PART NO	ITEM NO.
A/R	GRAY FOAM	9008831	8
A/R	BLK ELECTRICAL TAPE	9009260	7
4	CLAMP, CABLE	C-SC-1209764-0-0	6
A/R	TAPE #4032 1/2 W X 3 11/16 LG	9007834	5
4	EYELET GS-4-11 STIMSON	9006750	4
2	CABLE, "FLEXPRINT"	1700002-01	3
1	EXT. BUS CONN	A-PL-M919-0-0	2
1	BUS CONN	A-PL-M929-0-0	1

REVISIONS

CHK	CHANGE NO.	REV.
	BC11A-00001 5-8-70 BLASI 5-11-70	A
	BC11A-00002 5-13-71 BLASI 5-15-71	B
	BC11A-00003 8-3-72 BLASI 8-8-72	C
	BC11A-00004 6-6-73 D. POTTER 6-12-73	D
	BC11A-00005 7-18-74 D. POTTER	E
	BC11A-00006 10-3-75 C.R. BLASI 11-7-75	F

DEC FORM NO. DRD 100

FIRST USED ON OPTION/MODEL: PDP11

DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 0°30'
FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL —
FINISH —

DRN. DATE 11-14-69
CHK'D. Buss DATE 11/19/69
ENG. C. Blasi DATE
PROJ. ENG. C. Blasi DATE
PROD. DATE 11/26/69

NEXT HIGHER ASSY: D-UA-11/20-0-0
SCALE 1/1
SHEET 1 OF 2

digital EQUIPMENT CORPORATION, MAYNARD MASSACHUSETTS

TITLE: CABLE ASSY (BC11A)

SIZE	CODE	NUMBER	REV
D	UA	BC11A-0-0	F

DIST.

LEGEND

NUMBER	DIM "X" VARIATION	DIM "Y" (PAR.CUT) REF
BC11A-02	2'0" ± 0.5"	2' 1.5"
BC11A-03	3'0" ± 1.0"	3' 1.5"
BC11A-04	4'0" ± 1.0"	4' 1.5"
BC11A-05	5'0" ± 1.0"	5' 1.5"
BC11A-06	6'0" ± 1.0"	6' 1.5"
BC11A-07	7'0" ± 2.0"	7' 1.5"
BC11A-08	8'0" ± 2.0"	8' 1.5"
BC11A-09	9'0" ± 2.0"	9' 1.5"
BC11A-10	10'0" ± 2.0"	10' 1.5"
BC11A-11	11'0" ± 3.0"	11' 1.5"
BC11A-12	12'0" ± 3.0"	12' 1.5"
BC11A-13	13'0" ± 3.0"	13' 1.5"
BC11A-14	14'0" ± 3.0"	14' 1.5"
BC11A-15	15'0" ± 4.0"	15' 1.5"
BC11A-16	16'0" ± 4.0"	16' 1.5"
BC11A-17	17'0" ± 4.0"	17' 1.5"
BC11A-18	18'0" ± 4.0"	18' 1.5"
BC11A-19	19'0" ± 5.0"	19' 1.5"
BC11A-20	20'0" ± 5.0"	20' 1.5"
BC11A-21	21'0" ± 5.0"	21' 1.5"
BC11A-22	22'0" ± 5.0"	22' 1.5"
BC11A-23	23'0" ± 6.0"	23' 1.5"
BC11A-24	24'0" ± 6.0"	24' 1.5"
BC11A-25	25'0" ± 6.0"	25' 1.5"
BC11A-0F	0'6" ± 0.5"	0' 7.5"
BC11A-8F	8'6" ± 2.0"	8' 7.5"

REVISIONS

CHK	CHANGE NO	REV

TITLE	SIZE	CODE	NUMBER	REV.
CABLE ASSY (BC11A)	D	UA	BC11A-0-0	F
SCALE —/— SHEET 2 OF 2	DIST			

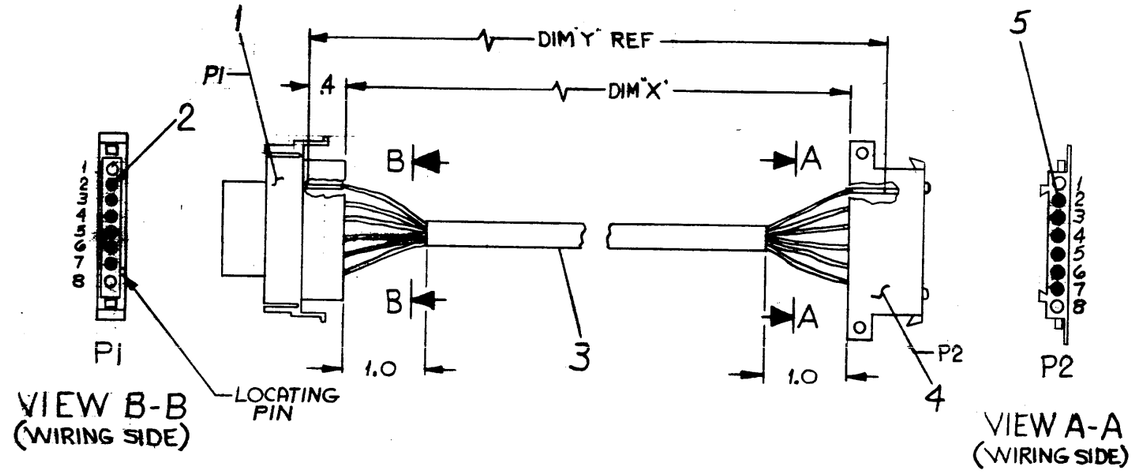
DEC FORM NO. DRD 17

LEGEND

NUMBER	DIM 'X' VARIATION	DIM 'Y' (PRECUT) REF
BCØ1S-Ø3	3FT ± 1IN	3FT 1IN ± 1IN
-Ø6	6FT ± 2IN	6FT 1IN ± 2IN
-1Ø	1ØFT ± 2IN	1ØFT 1IN ± 2IN
-15	15FT ± 3IN	15FT 1IN ± 3IN
-25	25FT ± 3IN	25FT 1IN ± 3IN
-5Ø	5ØFT ± 12IN	5ØFT 1IN ± 12IN
BCØ1S-AB	1ØØFT ± 24IN	1ØØFT 1IN ± 24IN

WIRE TABLE

ITEM NO	DESCRIPTION AWG	COLOR	FROM CONN	FROM WITH	TO CONN	TO WITH
3	18	BLK	P1-2	ITEM #2	P2-2	ITEM #5
		RED	P1-3		P2-3	
		BLU	P1-4		P2-4	
		WHT	P1-5		P2-5	
		ORN	P1-6		P2-6	
	18	GRN	P1-7	ITEM #2	P2-7	ITEM #5



VIEW B-B (WIRING SIDE)

VIEW A-A (WIRING SIDE)

ITEM NO.	QTY.	DESCRIPTION	PART NO.
5	6	CONN SOCKET MATE-N-LOK	1209379-01
4	1	CONN HSG, MATE-N-LOK	1209340-00
3	A/R	CABLE, 6 CONDUCTOR	17000/2
2	6	CONN PIN, MATE-N-LOK	1209378-01
1	1	CONN HSG, MATE-N-LOK (MALE)	1209340-01

PARTS LIST

FIRST USED ON OPTION/MODEL: UC15

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES

DECIMALS	ANGLES
.XXX = .005 .XX = .02 .X = .1	±0° 30'

REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓

MATERIAL —

FINISH —

		DATE
DRN.	[signature]	11/10/72
CHKD.	[signature]	5DEC72
ENG.	R.C. Gray	1/3/73
PROJ. ENG.	[signature]	11/12/73
PROD.	K.K. Peterson	1/11/73

NEXT HIGHER ASSY. D-UA-UC15-F-Ø

SCALE —

SHEET 1 OF 1

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: CABLE INTERFACE BCØ1S

SIZE	CODE	NUMBER	REV.
C	UA	BCØ1S-Ø-Ø	

DIST. G

REV.	REVISIONS	CHK
	CHANGE NO.	

BRUNING 40-107 15968

DEC FORM NO. DRC 100-A

DRAWING NUMBER	INIT REL	AUTOMATIC WIRE TESTER (AWT) REVISION STATUS																						
	T5	D	E																					
K-WL-MX15-B-WL	C	D	E																					
D-AD-7009165-0-0	A	A	A																					

REV E | NUMBER 7009165-0 | SIZE A | CODE WT

REVISIONS			
CHK	CHANGE NO.	REV.	
FH	MX15B-00003	D	ORIGINATED
FH	MX15B-00004	E	

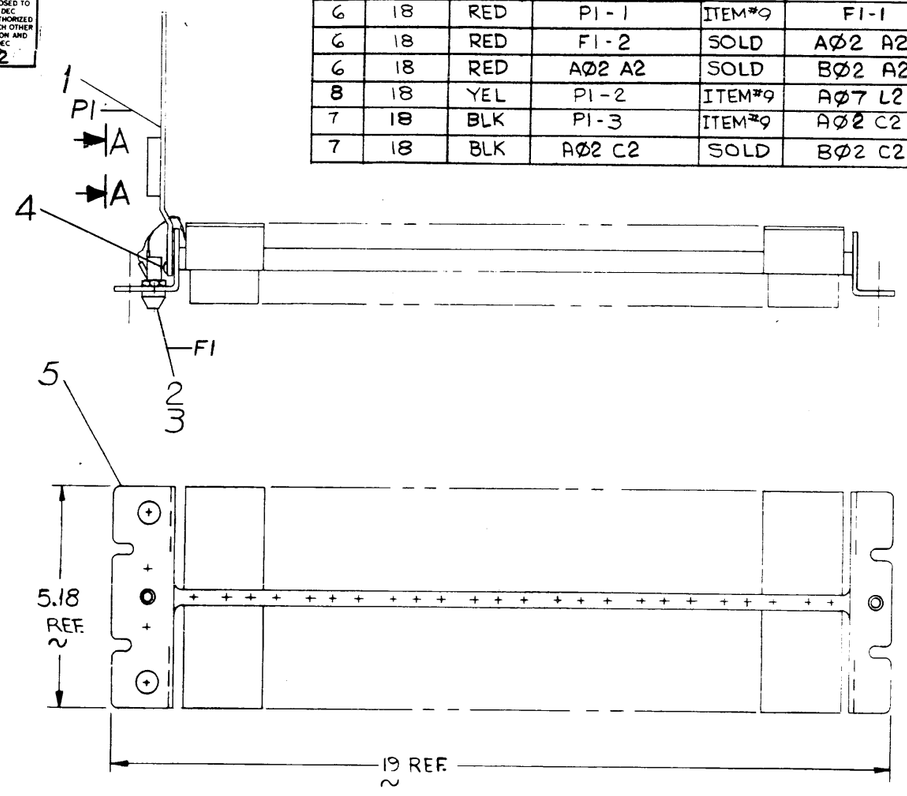
DRN.	DATE 11-74	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
CHK'D	DATE 11-79		
ENG. F. Doll	DATE 9/18/74	TITLE MX15-B	
PROJ. ENG. F. Doll	DATE 9/18	AWT REVISION STATUS	
PROD. F. Doll	DATE 9/18	SIZE A / CODE WT / NUMBER 7009165-0 / REV. E	
FIRST USED ON MX15-B		DIST.	
SCALE			
SHEET 1 OF 1			

DRA 123

DEC 16-(325)-1097-N174

WIRE TABLE

ITEM NO.	DESCRIPTION AWG	COLOR	FROM CONNECTION	WITH	TO CONNECTION	WITH
6	18	RED	P1-1	ITEM #9	F1-1	SOLD
6	18	RED	F1-2	SOLD	AØ2 A2	SOLD
6	18	RED	AØ2 A2	SOLD	BØ2 A2	SOLD
8	18	YEL	P1-2	ITEM #9	AØ7 L2	SOLD
7	18	BLK	P1-3	ITEM #9	AØ2 C2	SOLD
7	18	BLK	AØ2 C2	SOLD	BØ2 C2	SOLD



VIEW A-A

1	MODULE UTILIZATION (PL)	A-PL-MX15-B-09	11
14	MODULE HOLDER	1209856-02	10
3	SOLDERLESS CONN	9007917	9
A/R	#18 AWG WIRE IPVC STRD (YEL)	9107360-44	8
A/R	#18 AWG WIRE IPVC STRD (BLK)	9107360-00	7
A/R	#18 AWG WIRE IPVC STRD (RED)	9107360-22	6
1	WIRED ASSY (MX15-B)	D-AD-7009165-0-0	5
4	POP RIVET	9006460	4
1	FUSE 5 AMP	9007222	3
1	FUSE POST	9006994	2
1	POWER END PANEL ASSY	C-IA-5408739-1-0	1

PARTS LIST

QTY.	DESCRIPTION	PART NO.	ITEM NO.

FIRST USED ON OPTION/MODEL: UC15

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES

DECIMALS	ANGLES
XXX ± .005	± 0° 30'
XX ± .02	
X ± .1	

REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓

MATERIAL

FINISH

DRN.	DATE	10/10/72
CHKD.	DATE	5 DEC 72
ENG.	DATE	11/31/72
PROJ. ENG.	DATE	1/31/73
PROD.	DATE	2/5/73

NEXT HIGHER ASSY. D-UA-UC15-Ø-Ø

SCALE

SHEET 1 OF 1

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: LOGIC ASSY (MX15-B)

SIZE	CODE	NUMBER	REV
C	AD	7009164-0-0	A

DIST.

REVISIONS

CHK	CHANGE NO.	REV.
[illegible]	UC15F-0003A	A
[illegible]	[illegible]	[illegible]
[illegible]	F.SCL-	

BRUNING 40-107 15968

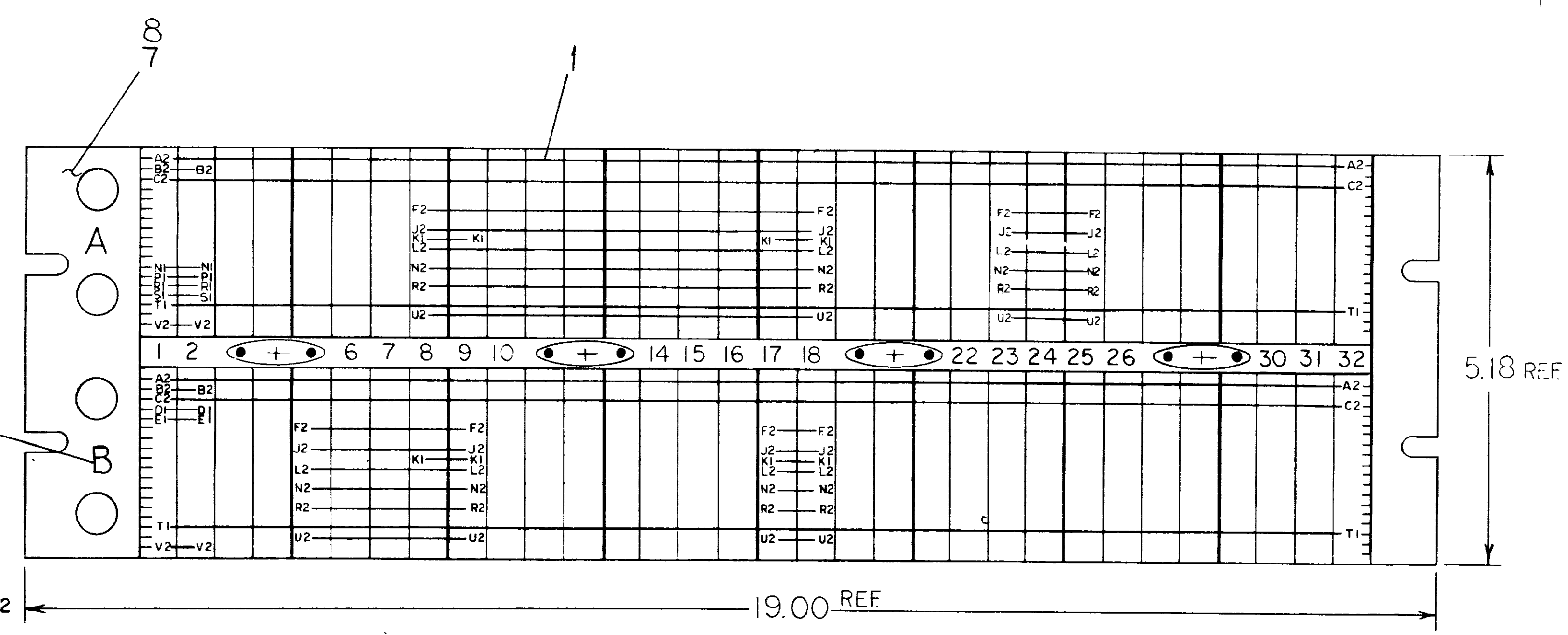
DEC FORM NO. DRC 105 A

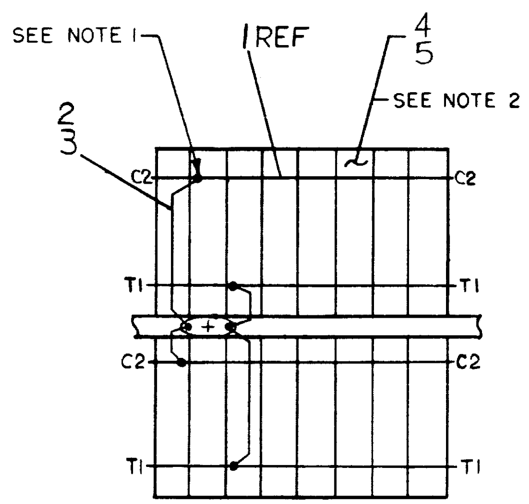
REV. A

SIZE C CODE AD 7009164-0-0 NUMBER

NOTES:

1. CONNECTIONS ON ITEMS 2 & 3 TO BE LOCATED AT MINIMUM PRACTICAL HEIGHT ABOVE BLOCKS.
2. USE YELLOW WIRE (ITEM 4) FOR MACHINE WRAPPED AND BLUE WIRE (ITEM 5) FOR HAND WRAPPED.





DETAIL A
4 PLACES

REF	WIRE LIST MX15-B	K-WL-MX15-B-	8
1	H911 MTG PANEL	D-AD-5404491-0-0	7
A/R	LOGIC FRAME DECALS	A-DC-7406371-0-0	6
A/R	#30 AWG KYNAR INS WIRE (BLU)	9105740-66	5
A/R	#30 AWG KYNAR INS WIRE (YEL)	9105740-44	4
A/R	#22 TUBING, TEFLON WHT	9107265-09	3
A/R	#22 BUS WIRE	9107560-01	2
A/R	BUS STRIP	1205541	1
QTY.	DESCRIPTION	PART NO	ITEM NO

PARTS LIST

FIRST USED ON OPTION/MODEL: UC15

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES
DECIMALS: .XXX = .005, .XX = .02, .X = .1
ANGLES: ±0° 30'
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓
MATERIAL: —
FINISH: —

DRN: [signature] DATE 10/18/72
CHK'D: [signature] DATE Dec 72
ENG: A. Helenius DATE 1/31/73
PROJ. ENG: [signature] DATE 1/31/73
PROD: [signature] DATE 2/5/73

NEXT HIGHER ASSY: C-AD-7009164-0-0
SCALE: —
SHEET 1 OF 1

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

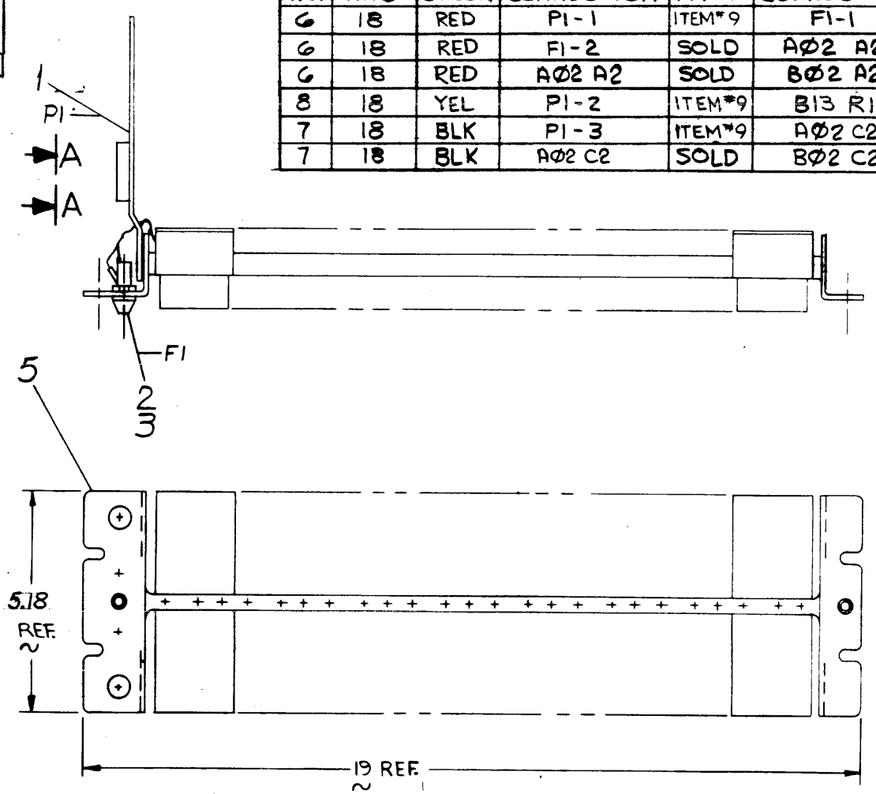
TITLE: WIRED ASS'Y. (MX15-B)

SIZE D CODE AD NUMBER 7009165-0-0 REV

OCTOBER 1972

WIRE TABLE

ITEM NO.	DESCRIPTION AWG	COLOR	FROM CONNECTION	FROM WITH	TO CONNECTION	TO WITH
6	18	RED	P1-1	ITEM*9	F1-1	SOLD
6	18	RED	F1-2	SOLD	AØ2 A2	SOLD
6	18	RED	AØ2 A2	SOLD	BØ2 A2	SOLD
8	18	YEL	P1-2	ITEM*9	B13 R1	SOLD
7	18	BLK	P1-3	ITEM*9	AØ2 C2	SOLD
7	18	BLK	AØ2 C2	SOLD	BØ2 C2	SOLD



ITEM NO.	QTY.	DESCRIPTION	PART NO.
12	1	MODULE UTILIZATION (PL)	A-PL-DR15-C-09
11	1	UNIVERSAL BLOCK	1209850
10	14	MODULE HOLDER	1209856-02
9	3	SOLDERLESS CONN	9007917
8	A/R	#18 AWG WIRE IPVC STRD (YEL)	9107360-44
7	A/R	#18 AWG WIRE IPVC STRD (BLK)	9107360-00
6	A/R	#18 AWG WIRE IPVC STRD (RED)	9107360-28
5	1	WIRED ASSY (DR15-C)	D-AD-7009166-0-0
4	4	POP RIVET	9006460
3	1	FUSE 5 AMP	9007222
2	1	FUSE POST	9006994
1	1	POWER END PANEL ASSY	GIA-5408391-00

PARTS LIST

FIRST USED ON OPTION/MODEL: UC15

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES.
TOLERANCES

DECIMALS	ANGLES
.XXX = .005 .XX = .02 .X = .1	±0° 30'

REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓

MATERIAL

FINISH

		DATE
DRN.		10/72
CHK'D.		10/72
ENG.	A. Holaway	10/31/73
PROJ. ENG.	R.C. Bray	11/1/73
PROD.	D.A. Shuga	2/5/73

NEXT HIGHER ASSY. D-UA-UC15-Ø-Ø

SCALE

SHEET 1 OF 1

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: LOGIC ASSY (DR15-C)

SIZE	CODE	NUMBER	REV.
C	AD	7009167-0-0	A

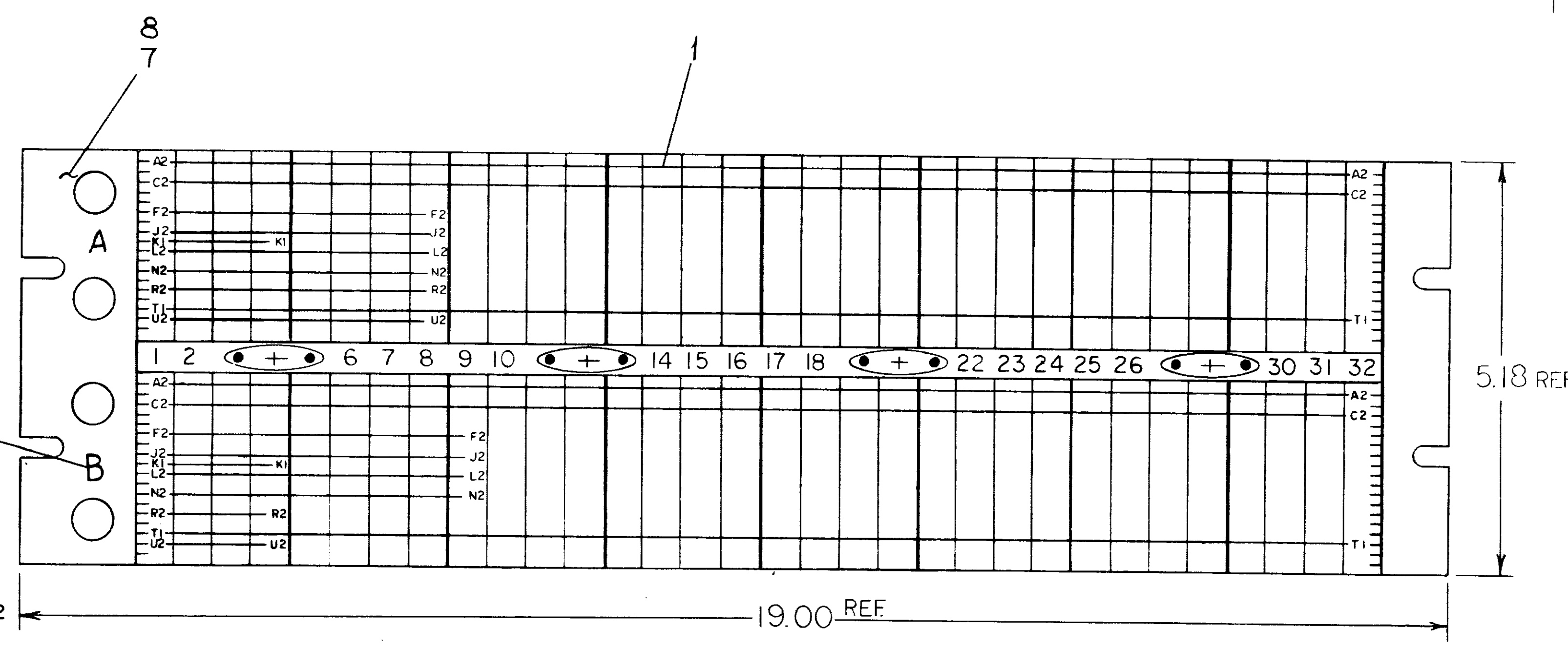
DIST.

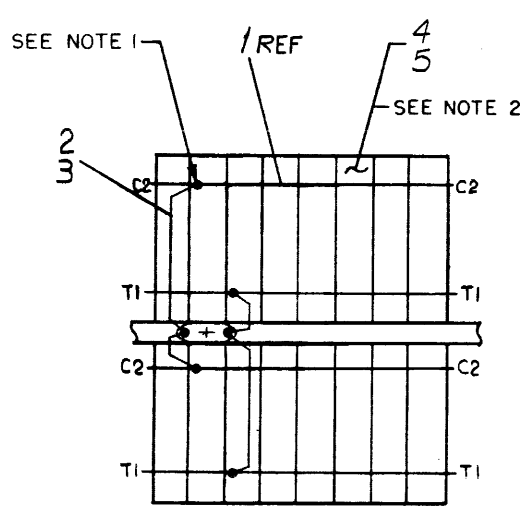
REV.	CHANGE NO.	CHK	
A	UC15F-00003A		E. REMOND 6-17-74
			F. DOLL 7-25-74
			T. Bell 7-25-74

BRUNING 40-107 15948

DEC FORM NO. DRE 105A

NOTES:
1. CONNECTIONS ON ITEMS 2 & 3 TO BE LOCATED AT MINIMUM PRACTICAL HEIGHT ABOVE BLOCKS.
2. USE YELLOW WIRE (ITEM #4) FOR MACHINE WRAPPED AND BLUE WIRE (ITEM #5) FOR HAND WRAPPED.





DETAIL A
4 PLACES

QTY.	DESCRIPTION	PART NO	ITEM NO.
A/R	COMPRESS-O-CARTON	9905016-4	12
REF	PACKAGING INSTRUCTIONS	3700040-0-0	11
1	DECAL LOGIC ASSY	A-DC-7411881-0-1	10
REF	AWT REVISION STATUS	A-WT-7009166-0	9
REF	WIRE LIST DR15-C	K-WL-DR15-C-WL	8
1	H911 MTG PANEL	D-AD-5404491-0-0	7
A/R	LOGIC FRAME DECALS	A-DC-7406371-0-0	6
A/R	#30 AWG KYNAR INS (BLU)	9105740-66	5
A/R	#30 AWG KYNAR INS (YEL)	9105740-44	4
A/R	#22 TUBING, TEFLON WHT	9107256-09	3
A/R	#22 AWG BUS WIRE	9107560-01	2
A/R	BUS STRIP	9008428	1

PARTS LIST

FIRST USED ON OPTION/MODEL: UC15

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES
DECIMALS: XXX = .005, XX = .02, X = 1
ANGLES: ±0° 30'
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓
MATERIAL: —
FINISH: —

DRN: DATE 10/10/72
CHKD: DATE 1 Dec 72
ENG: A. HELENIUS DATE 1/31/73
PROJ. ENG.: DATE 1/31/73
PROD.: DATE 2/5/73
NEXT HIGHER ASSY: D-AD-7009167-0-0
SCALE: —
SHEET 1 OF 1

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

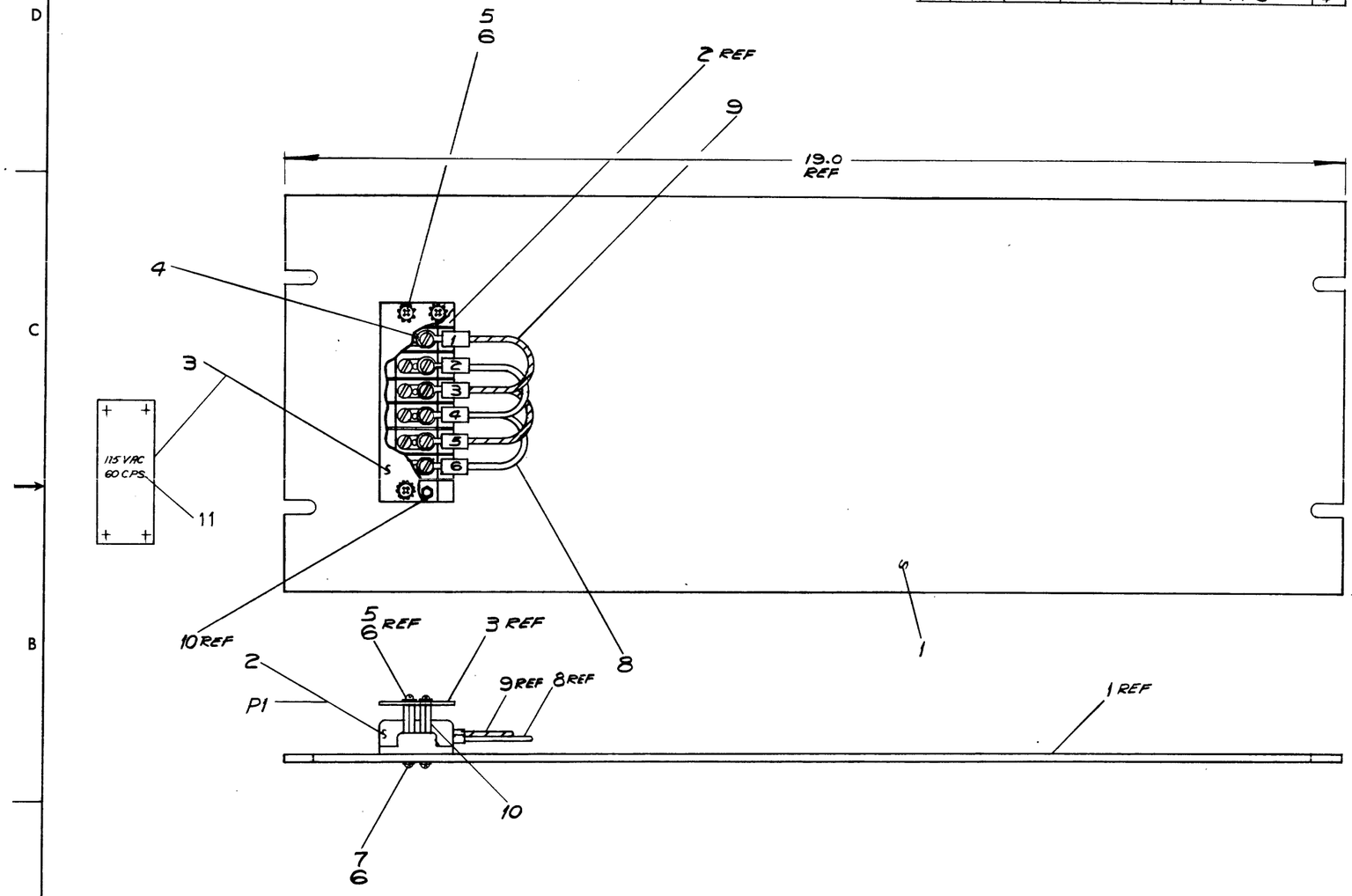
TITLE: WIRED ASS'Y. (DR15-C)

SIZE	CODE	NUMBER	REV
D	AD	7009166-0-0	A

REVISIONS: REV A, CHANGE NO 7009166-00001, F. DULL

WIRE TABLE

ITEM NO	DESCRIPTION AWG	DESCRIPTION COLOR	FROM CONNECTION	FROM WITH	TO CONNECTION	TO WITH
5	14	BLK	P1-1	4	P1-3	4
9	14	BLK	P1-3	4	P1-5	4
8	14	WHT	P1-2	4	P1-4	4
8	14	WHT	P1-4	4	P1-6	4



REVISIONS			
	CHK	CHANGE NO.	REV
1	D-GB	VT04-00005	A
2	John Flaherty 4-21-70		
3	L. HALIO		
4	[illegible] 4-24-70		

DEC FORM NO. DRD 100

FIRST USED ON OPTION/MODEL: VTØ4

TOLERANCES DECIMAL
- .XXX = ± .005
- .XX = ± .02
- .X = ± .1

DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
ANGLES ± 0°30'
FINAL SURFACE QUALITY √
REMOVE BURRS AND BREAK SHARP CORNERS
MATERIAL —"—
FINISH —"—

PARTS LIST

QTY.	DESCRIPTION	PART NO.	ITEM NO.

DRN	[signature]	DATE 3-27-70
CHK'D	[signature]	DATE 3/25/70
ENG	[signature]	DATE 4/2/70
PROJ ENG	[signature]	DATE 4/2/70
PROD	J. Bundy	DATE 4/2/70

NEXT HIGHER ASSY: D-UA-VTØ4-Ø-Ø

SCALE 1/1
SHEET 1 OF 1

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: PANEL, ASSY (TERM. STRIP)

SIZE	CODE	NUMBER	REV.
D	AD	7006803-0-0	A

DIST. 5

SIZE D CODE AD NUMBER 7006803-00 REV A

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

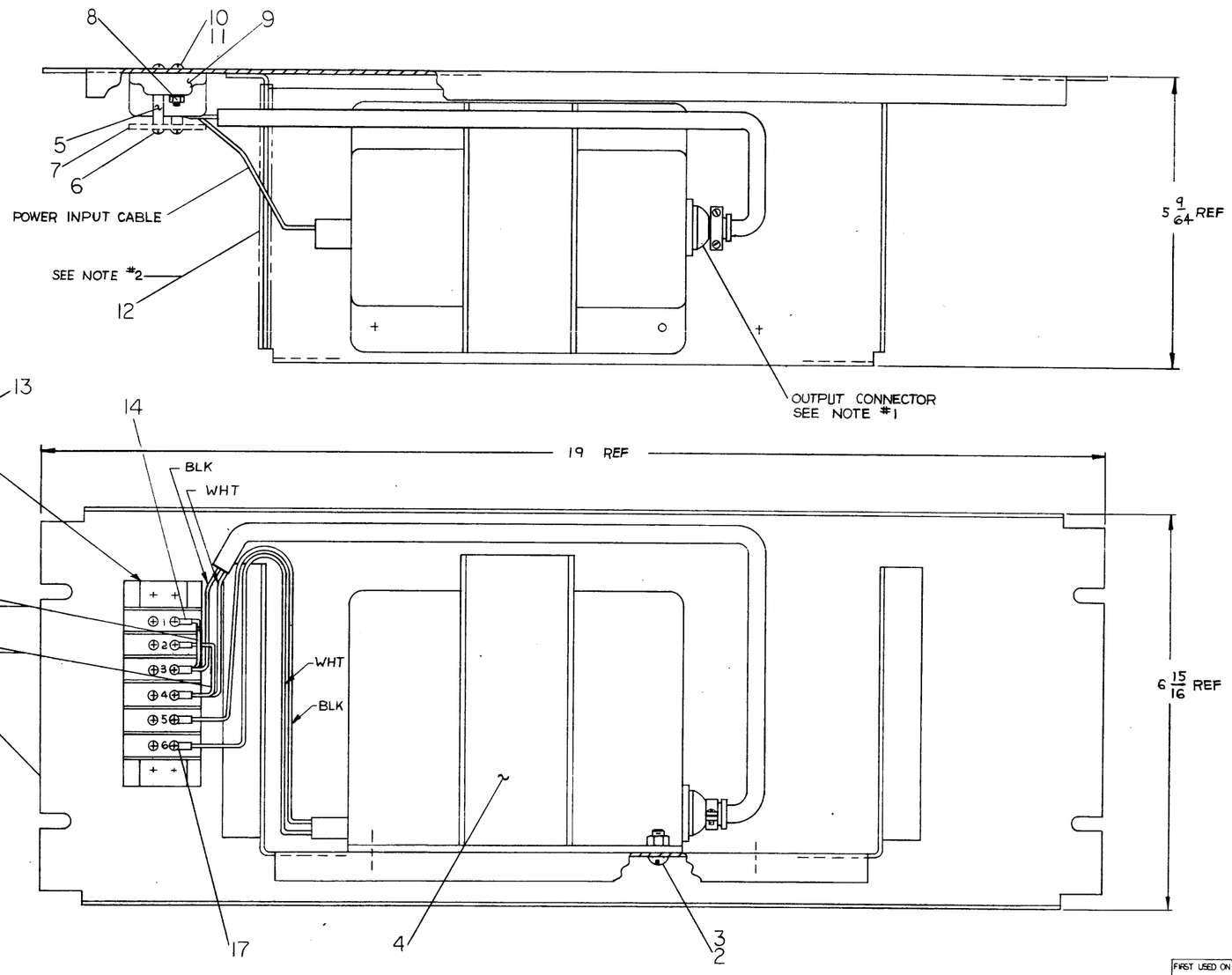
MADE BY J. DEVIN	CHECKED K. Rines	SECTION
DATE 3/21/70	DATE 3/27/70	1
ENG L Wallis	PROD H Bundy	ISSUED SECT.
DATE 4/2/70	DATE 4-2-70	1

ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION
1.	D-MD-7408089-0-0	PANEL, # TERM STRIP	1
2.	9006904	BARRIER, TERMINAL STRIP #6-541 C.J.	1
3.	B-MD-7405436-0-0	COVER, TERMINAL STRIP	1
4.	9007928	SOLDERLESS CONN, ARKLESS #50364	8
5.	9006020-1	SCR, PHL, HD PAN #6-32 X ¼LG	4
6.	9007649	LOCKWASHER EXT TOOTH #6	8
7.	9006026-1	SCR, PHL, HD PAN #6-32 X 3/4 LG	4
8.	9107370-99	WIRE #14 AWG STRD TEF INS WHT	A/R
9.	9107370-00	WIRE #14 AWG STRD TEF INS BLK	A/R
10.	9006851	SPACER, HEX ¼AF X ¾ 6-32 THO	4
11.	A-DC-7406960-0-0	DECAL 115V AC 60CPS	1

TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
PANEL ASSY (TERM. STRIP)	D-AD-7006803-0-0	A	PL	7006803-0-0	A	VT04-00005
	SHEET 1 OF 1	DIST.	G			

DEC FORM NO. 16-1031
DRA 110

NOTES:
1. EXCESS LENGTH TO BE CUT OFF POWER INPUT CABLE (SUPPLIED WITH TRANSFORMER) AND USED FOR POWER OUTPUT CONNECTION.
2. ATTACH #12 GROMMET, WITH CONTACT CEMENT.



REVISIONS			
CHK	CHANGE NO.	REV	
	TC02-00005	A	Status Release 12-3-69 D. VONADA 12-9-69
	TC02-00006	B	Qualified 1-23-70 MINOR 1-29-70

DEC FORM NO. DRD 100

FIRST USED ON OPTION/MODEL: TCØ2-C

UNLESS OTHERWISE SPECIFIED

UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES
TOLERANCES
DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 0°30'
FINAL SURFACE QUALITY / REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL

FINISH

QTY.	DESCRIPTION	PART NO.	ITEM NO.
	PARTS LIST		

DRN.		DATE 12/8/69
CHK'D.	D Vonada	DATE 12/9/69
ENG.		DATE 12/29/69
PROJ. ENG.	D Vonada	DATE 1-23-69
PROD.		DATE 1-27-69

NEXT HIGHER ASSY: D-UA-TCØ2-C-Ø

SCALE

SHEET 1 OF 1

digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE: ASSY, XMFR MTG PANEL

SIZE D | CODE | NUMBER: AD7006060-0-0 | REV. B

DIST.

SIZE D | CODE | NUMBER: AD7006060-0-0 | REV. B

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY R. HUTNAK	CHECKED D. HEALY	SECTION 1
DATE 11/26/68	DATE 12/3/68	
ENG D. Healy	PROD P. Sullivan	ISSUED SECT. 1
DATE 12/12/68	DATE 1/27/69	

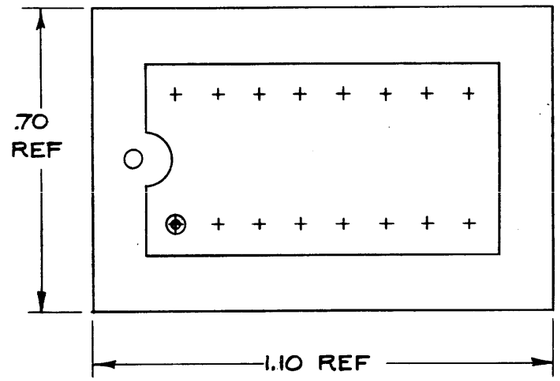
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION	QUANTITY / VARIATION 7006060-0
1	C-MD-7407072-0-0	PANEL, XMFR MTG	1
2	9006071-1	SCR, PHL PAN HD #10-32 x 3/8 SST	4
3	9006565	NUT KEPS #10-32 SST	4
4	1602283	TRANSFORMER, STEP DOWN #N-9M TRIAD	1
5	9006851	SPACER #6 THREADED ¼D x ½ SST	2
6	9006020-1	SCR PHL PAN HD #6-32 x ¼ SST	2
7	B-MD-7405436-0-0	COVER PROTECTION (541) 6 TERM	1
8	9006560	NUT KEPS #6-32 SST	2
9	9006904	TERMINAL STRIP 6-541 CINCH JONES	1
10	9006025-1	SCR PHL PAN HD #6-32 x 5/8 SST	4
11	9006633	LOCK WASHER #6 INT TOOTH	4
12	9007035	GROMMET #122-37-1000 PANDUIT	1
13		DECAL, BLK LTRS WHT BACKGROUND	A/R
14	9007928	CONN # 50364-1 ARK-LES	4
15	9107370-00	#14 AWG STRD TEF (BLK)	A/R
16	9107370-99	#14 AWG STRD TEF (WHT)	A/R
17	9007926	conn. #50368-1 ARK-LES	4

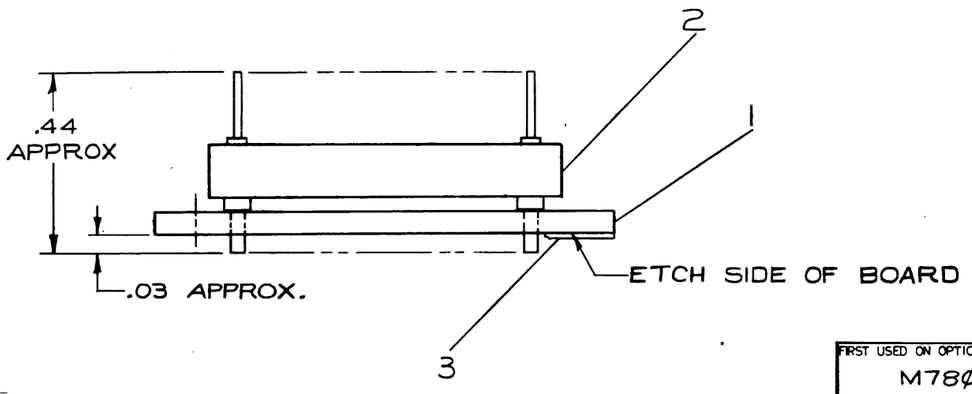
TITLE	ASSY NO.	SIZE	CODE	NUMBER	REV.	ECO NO.
XMER MTG PANEL ASSY	C-AD-7006060-0-0	A	PL	7006060-0-0	B	TC02-00006
	SHEET 1 OF 1	DIST. 6				

DEC FORM NO.
DRA 110

X

NOTES:
1. CUT OFF EXCESS LENGTH OF PRONGS BEFORE SOLDERING.





REF	DESCRIPTION	PART NO.	ITEM NO.
	PARTS LIST		
	CIRCUIT SCHEMATIC	B-CS-5408782-0-1	
A/R	TAPE VINYL 3M TRANSPARENT .75X1.12	9008269	3
1	PLUG, 16 PRONG, AUGAT	1209837	2
1	ETCH BOARD	D-IA-5008781-0-0	1

FIRST USED ON OPTION/MODEL: M78Ø

TOLERANCES
DECIMAL
XXX = .005
XX = .02
X = .1

UNLESS OTHERWISE SPECIFIED
UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 0°30'
FINAL SURFACE QUALITY ✓
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL: SEE PARTS LIST

FINISH: —

DSN.	W.F. McCarthy	DATE 5/18/70
CHK'D.	J. Fleming	DATE 6-22-70
ENG.	R.B. Lee	DATE 6/26/70
PROJ. ENG.	J.E. Janson	DATE 6-24-70
PROD.	Thos Donald	DATE 6/29/70

NEXT HIGHER ASSY: M78Ø
SCALE: 5/1
SHEET: 1 OF 1

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: PRIORITY JUMPER LEVEL #7

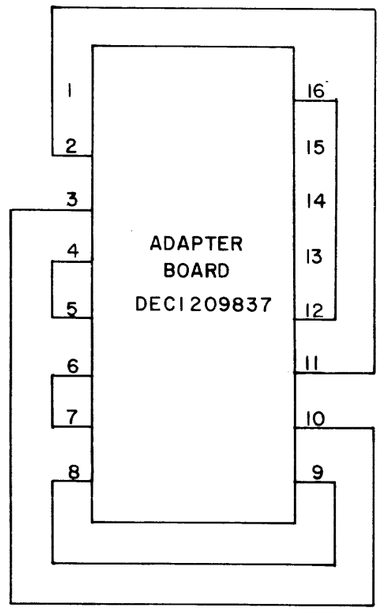
SIZE C | CODE IA | NUMBER 5408782-0-0 | REV. A
DIST. G

REVISIONS			
CHK	CHANGE NO.	REV.	
DRB	5408782-00001	A	Fred Vanek 8/28/70
			JANSON 8/31/70

DEC FORM NO. DRC 100

NUMBER IA5408782-0-0 REV. A
SIZE C CODE

SIZE	CODE	NUMBER	REV
B	CS	5408782-0-1	A



REVISIONS			
REV.	A		
CHG NO	10001		
CHK			

DRN.	Jeanne Leach	DATE	5-1970
CHK'D	T. Matsumoto	DATE	5/18/70
ENG	[illegible]	DATE	5/21/70
PROD.		DATE	

TRANSISTOR & DIODE CONVERSION CHART

DEC	EIA	DEC	EIA

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE PRIORITY JUMPER
LEVEL #7 5408782

SIZE	CODE	NUMBER	REV.
B	CS	5408782-0-1	A

PRINTED CIRCUIT REV. A B

DEC FORM NO.
DRB 102

MS 105 - P1

5

DIST. 2,3,4,4,3,4,4,3,5 PINK -