MASTER DRAWING LIST

DWG. NO.	REV. LET.	NO. OF SHEETS	TITLE
BS D-DM01-0-2	J	1	MULTIPLEXER CONTROL
BS D-DM01-0-3	E	1	DATA MULTIPLEXER
BS D-DM01-0-4	D	1	DATA MULTIPLEXER
BS D-DM01-0-5	D	1	DATA MULTIPLEXER CONNECTORS
BS D-DM01-0-6	B	1	I/O CONNECTORS
WD D-DM01-0-7	A	1	BUSSED WIRING
UML D-DM01-0-8	K	1	UTILIZATION MODULE LIST
CL A-DM01-0-9	B	10	CABLE LIST
WL B-DM01-0-10	J		WIRE LIST
BS D-DM01-0-11	C	1	DATA MULTIPLEXER, TYPE DM01
CL A-DM01-0-12		1	CABLE LIST
IC D-DM01-0-13		1	INTERCONNECTING CABLE DIAGRAM
AL-A-DM01-0-14		1	DATA MULTIPLEXER ACCESSORY CHECKLIST

REVISIONS			
REV.	DATE	CHG. NO.	APP'D.
K	3/11/69	00004	M.E.A.
L	4/70	Misc.64	M.A.
M	7/70	00005	M.A.
N	7/70	00006	M.A.
P	3/71	00007	M.A.

DRN.	J.E.Carroll	DATE 8/65
CHK'D.	G.Bourbeau	DATE 8/16/65
ENG.	J.E.Carroll	DATE 1
PROJ. ENG.		DATE
PROD.		DATE
FIRST USED ON		
SCALE		
SHEET	1 OF 1	

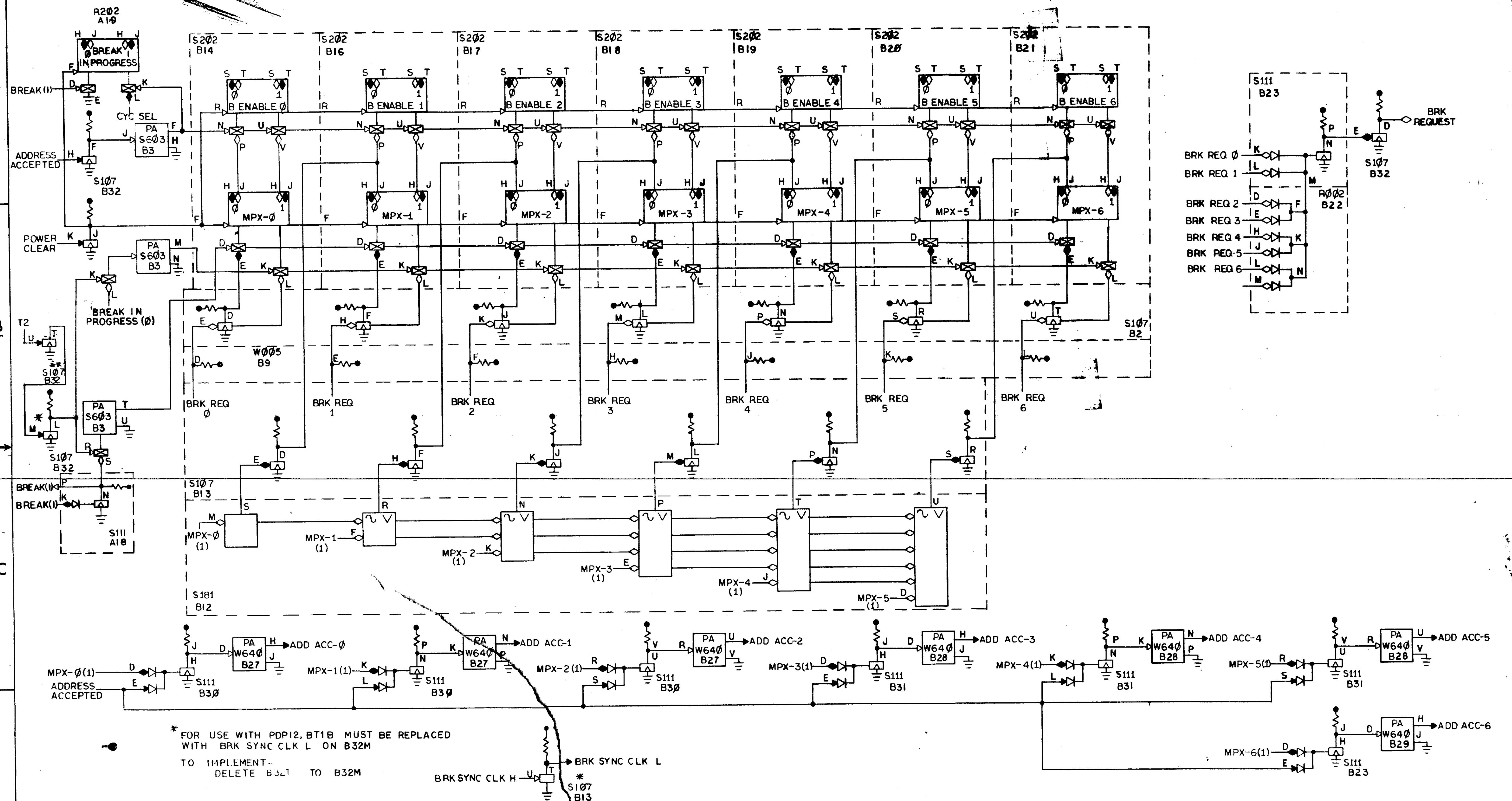
digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE

DATA MULTIPLEXER TYPE DM01

SIZE	CODE	NUMBER	REV.
		A-DM01-0	P

DEC FORM NO.



* FOR USE WITH PDP12, BT1B MUST BE REPLACED WITH BRK SYNC CLK L ON B32M

TO IMPLEMENT:
DELETE B32T TO B32M

ADD B13U TO A06T
A06T TO D06T
B13T TO B32M

** FOR USE WITH PDP8
REMOVE B32T → B32M
ADD B32M → A025 (BT1B)

REV. LTR.	ECO. NO.	DATE	ENG
A	47	[illegible]	[illegible]
B	58	[illegible]	[illegible]
C	86	[illegible]	[illegible]
D	105	[illegible]	[illegible]
E	115	[illegible]	[illegible]
F	DM01-00001	[illegible]	[illegible]
H	DM01-00006	[illegible]	[illegible]
J	DM01-00007	[illegible]	[illegible]

REVISIONS

DRAWN	[illegible]	DATE 9/13/65
CHECKED	J E Caswell	DATE 12/[illegible]/65
ENG	J E Caswell	DATE 12/[illegible]/65
PROJ ENG	F. d. Cul	DATE 12/[illegible]
PROD	F. d. Cul	DATE 12/[illegible]

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE MULTIPLEXER CONTROL

FOR

ASSY NO

CODE BS DRWG. NO. D-DM01-0-2 REV. LTR. J

SHEET OF

DIST.

TO COMPUTER

W021 A07
- DA Ø0
- DA Ø1
- DA Ø2
- DA Ø3
- DA Ø4
- DA Ø5
- DA Ø6
- DA Ø7
- DA Ø8

W021 A08
- DA Ø9
- DA 1Ø
- DA 11
- BREAK RQ
- DATA OUT
- BREAK(11)
- ADD ACC
- INC MB

W021 A09
- DB Ø0
- DB Ø1
- DB Ø2
- DB Ø3
- DB Ø4
- DB Ø5
- DB Ø6
- DB Ø7
- DB Ø8

W021 A10
- DB Ø9
- DB 1Ø
- DB 11
- CYC SEL
- 1→CA INH
- WCOV
- DAEX 1
- DAEX 2
- DAEX 3

W021 A11
- BAEX 1
- BAEX 2
- BAEX 3
- DF Ø(1)
- DF 1(1)
- DF 2(1)

W021 A05
- B ENABLE 0
- B ENABLE 5
- B ENABLE 4
- B ENABLE 3
- B ENABLE 2
- B ENABLE 1
- B ENABLE Ø

W021 A04
- MPX 0
- MPX 5
- MPX 4
- MPX 3
- MPX 2
- MPX 1
- MPX Ø

I/O DEVICE Ø

W021 D07
- DAØØ-Ø
- DAØ1-Ø
- DAØ2-Ø
- DAØ3-Ø
- DAØ4-Ø
- DAØ5-Ø
- DAØ6-Ø
- DAØ7-Ø
- DAØ8-Ø

W021 D06
- DAØ9-Ø
- DA1Ø-Ø
- DA11-Ø
- BRK REQ Ø
- DATA-OUT Ø
- B MPX-Ø
- ADD ACC Ø
- INC MB

W021 D04
- DBØØ-Ø
- DBØ1-Ø
- DBØ2-Ø
- DBØ3-Ø
- DBØ4-Ø
- DBØ5-Ø
- DBØ6-Ø
- DBØ7-Ø
- DBØ8-Ø

W021 D05
- DBØ9-Ø
- DB1Ø-Ø
- DB11-Ø
- CYC SEL-Ø
- +1→CA INH-Ø
- WCOV-Ø
- DAEX 1-Ø
- DAEX 2-Ø
- DAEX 3-Ø

W021 D11
- BAEX 1-Ø
- BAEX 2-Ø
- BAEX 3-Ø
- DF Ø(1)
- DF 1(1)
- DF 2(1)

I/O DEVICE 1

W021 D12
- DAØØ-1
- DAØ1-1
- DAØ2-1
- DAØ3-1
- DAØ4-1
- DAØ5-1
- DAØ6-1
- DAØ7-1
- DAØ8-1

W021 D13
- DAØ9-1
- DA1Ø-1
- DA11-1
- BRK REQ 1
- DATA-OUT 1
- B-MPX 1
- ADD ACC 1
- INC MB

W021 D14
- DBØØ-1
- DBØ1-1
- DBØ2-1
- DBØ3-1
- DBØ4-1
- DBØ5-1
- DBØ6-1
- DBØ7-1
- DBØ8-1

W021 D15
- DBØ9-1
- DB1Ø-1
- DB11-1
- CYC SEL-1
- +1→CA INH-1
- WCOV-1
- DAEX 1-1
- DAEX 2-1
- DAEX 3-1

W021 D16
- DAEX 1-1
- DAEX 2-1
- DAEX 3-1
- BF Ø(1)
- DF 1(1)
- DF 2(1)

I/O DEVICE 2

W021 D17
- DAØØ-2
- DAØ1-2
- DAØ2-2
- DAØ3-2
- DAØ4-2
- DAØ5-2
- DAØ6-2
- DAØ7-2
- DAØ8-2

W021 D18
- DAØ9-2
- DA1Ø-2
- DA11-2
- BRK REQ 2
- DATA-OUT 2
- B-MPX 2
- ADD ACC 2
- INC MB

W021 D19
- DBØØ-2
- DBØ1-2
- DBØ2-2
- DBØ3-2
- DBØ4-2
- DBØ5-2
- DBØ6-2
- DBØ7-2
- DBØ8-2

W021 D20
- DBØ9-2
- DB1Ø-2
- DB11-2
- CYC SEL-2
- 1→CA INH-2
- WCOV-2
- DAEX-1-2
- DAEX-2-2
- DAEX-3-2

W021 D21
- DAEX 1-2
- DAEX 2-2
- DAEX 3-2
- BF Ø(1)
- DF 1(1)
- DF 2(1)

I/O DEVICE 3

W021 D22
- DAØØ-3
- DAØ1-3
- DAØ2-3
- DAØ3-3
- DAØ4-3
- DAØ5-3
- DAØ6-3
- DAØ7-3
- DAØ8-3

W021 D23
- DAØ9-3
- DA1Ø-3
- DA11-3
- BRK REQ 3
- DATA-OUT 3
- B-MPX 3
- ADD ACC 3
- INC MB

W021 D24
- DBØØ-3
- DBØ1-3
- DBØ2-3
- DBØ3-3
- DBØ4-3
- DBØ5-3
- DBØ6-3
- DBØ7-3
- DBØ8-3

W021 D25
- DBØ9-3
- DB1Ø-3
- DB11-3
- CYC SEL-3
- 1→CA INH-3
- WCOV-3
- DAEX 1-3
- DAEX 2-3
- DAEX 3-3

W021 D26
- DAEX 1-3
- DAEX 2-3
- DAEX 3-3
- DF Ø(1)
- DF 1(1)
- DF 2(1)

I/O DEVICE 4

W021 D27
- DAØØ-4
- DAØ1-4
- DAØ2-4
- DAØ3-4
- DAØ4-4
- DAØ5-4
- DAØ6-4
- DAØ7-4
- DAØ8-4

W021 D28
- DAØ9-4
- DA1Ø-4
- DA11-4
- BRK REQ 4
- DATA-OUT 4
- B-MPX 4
- ADD ACC 4
- INC MB

W021 D29
- DBØØ-4
- DBØ1-4
- DBØ2-4
- DBØ3-4
- DBØ4-4
- DBØ5-4
- DBØ6-4
- DBØ7-4
- DBØ8-4

W021 D30
- DBØ9-4
- DB1Ø-4
- DB11-4
- CYC SEL-4
- 1→CA INH 4
- WCOV-4
- DAEX-1-4
- DAEX-2-4
- DAEX-3-4

W021 D31
- DAEX 1-4
- DAEX 2-4
- DAEX 3-4
- DF Ø(1)
- DF 1(1)
- DF 2(1)

I/O DEVICE 5

W021 A23
- DAØØ-5
- DAØ1-5
- DAØ2-5
- DAØ3-5
- DAØ4-5
- DAØ5-5
- DAØ6-5
- DAØ7-5
- DAØ8-5

W021 A24
- DAØ9-5
- DA1Ø-5
- DA11-5
- BRK REQ 5
- DATA-OUT 5
- B-MPX 5
- ADD ACC 5
- INC MB

W021 A25
- DBØØ-5
- DBØ1-5
- DBØ2-5
- DBØ3-5
- DBØ4-5
- DBØ5-5
- DBØ6-5
- DBØ7-5
- DBØ8-5

W021 A26
- DBØ9-5
- DB1Ø-5
- DB11-5
- CYC SEL-5
- 1→CA INH-5
- WCOV-5
- DAEX 1-5
- DAEX 2-5
- DAEX 3-5

W021 A27
- DAEX 1-5
- DAEX 2-5
- DAEX 3-5
- DF Ø(1)
- DF 1(1)
- DF 2(1)

I/O DEVICE 6

W021 A28
- DAØØ-6
- DAØ1-6
- DAØ2-6
- DAØ3-6
- DAØ4-6
- DAØ5-6
- DAØ6-6
- DAØ7-6
- DAØ8-6

W021 A29
- DAØ9-6
- DA1Ø-6
- DA11-6
- BRK REQ 6
- DATA-OUT 6
- B-MPX-6
- ADD ACC 6
- INC MB

W021 A30
- DBØØ-6
- DBØ1-6
- DBØ2-6
- DBØ3-6
- DBØ4-6
- DBØ5-6
- DBØ6-6
- DBØ7-6
- DBØ8-6

W021 A31
- DBØ9-6
- DB1Ø-6
- DB11-6
- CYC SEL-6
- 1→CA INH-6
- WCOV-6
- DAEX 1-6
- DAEX 2-6
- DAEX 3-6

W021 A32
- DAEX 1-6
- DAEX 2-6
- DAEX 3-6
- DF Ø(1)
- DF 1(1)
- DF 2(1)

PINS C,FJ,LNRU ARE ALL GROUNDED ON W021'S

REVISIONS			
CHK	CHANGE NO.	REV.	
DEC	47	A	
	REDRAWN+REVISED	B	
	139		
	DMØ1-00004	C	
	DMØ1-00005	D	

QTY.	DESCRIPTION	PART NO.	ITEM NO.
	PARTS LIST		

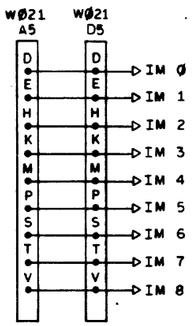
DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS ± .005 FRACTIONS ± 1/64 ANGLES ± 0°30'
FINAL SURFACE QUALITY ✓
REMOVE BURRS AND BREAK SHARP CORNERS
MATERIAL
FINISH

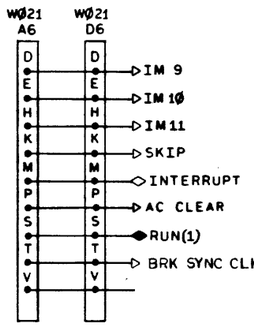
DRN.	G. BOURBEAU	DATE 12/8/65
CHK'D.	J.E. CARROLL	DATE 12/8/65
ENG.	J.E. CARROLL	DATE 12/8/65
PROJ. ENG.	E.D. CASTRO	DATE 12/22/65
PROD.	E.D. CASTRO	DATE 12/22/65
FIRST USED ON		
SCALE		
SHEET 1 OF 1		

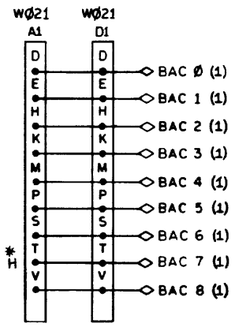
digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

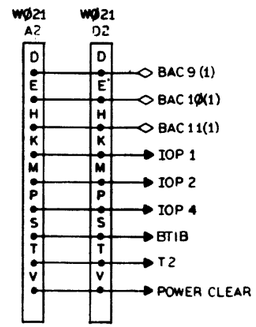
TITLE: DATA MULTIPLEXER
CONNECTORS

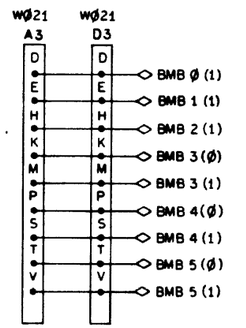
CODE BS | SIZE | NUMBER D-DMØ1-0-5 | REV. D | DIST.

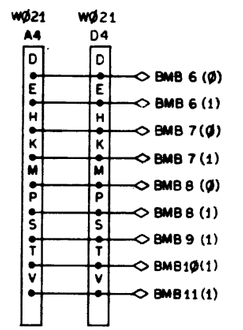












C,E,J,L,N,R,U, ALL GND'D ON WØ21'S

* SEE NOTE ON D-BS-DMØ1-Ø-2

REV LTR	ECO NO	DATE	ENG
B	MOD 1	4-29-65	
A			

REVISIONS

DRAWN [illegible] DATE 10/4/65
CHECKED [illegible] DATE 10/5/65
ENG [illegible] DATE 10/6/65
PROJ ENG [illegible] DATE 10/20/65
PROG [illegible] DATE [illegible]

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

ASSY NO

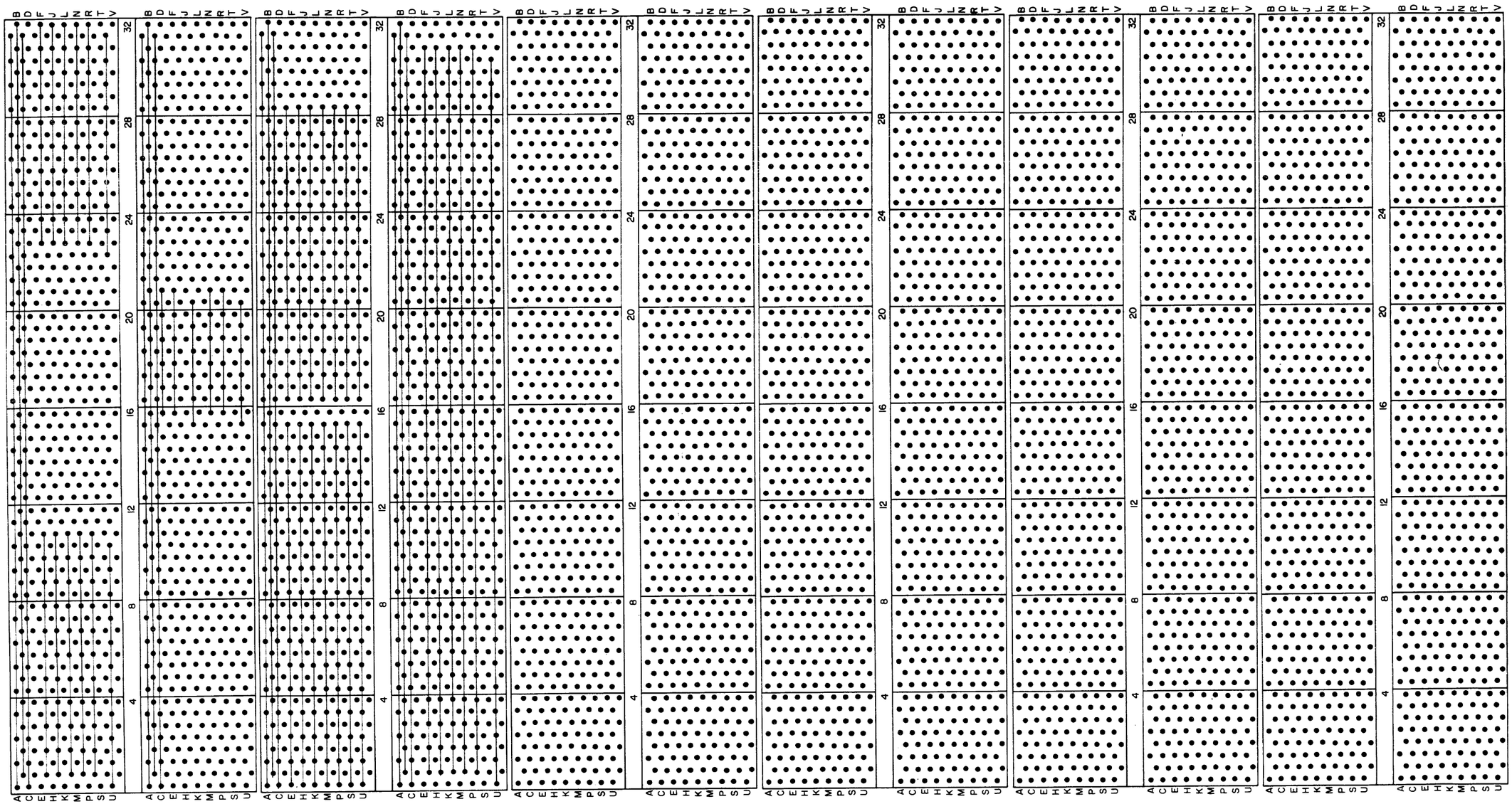
TITLE I/O CONNECTORS

FOR

CODE BS | DRWG. NO. D-DMØ1-0-6 | REV. LTR B

SHEET OF | DIST.

CODE	DRWG. NO.	REV. LTR.
WD	D-DM01-0-7	A



REVISIONS	REV. LTR.	ECO. NO.	DATE	ENG
	A	105	11-28	

		DATE
DRAWN	[illegible]	10/20/65
CHECKED	[illegible]	12/2/65
ENG.	[illegible]	12/2/65
PROJ ENG	[illegible]	12/22/65
PROD	[illegible]	12/27/65

digital
EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE: BUSSED WIRING

FOR

ASSY NO

CODE	DRWG. NO.	REV. LTR.
WD	D-DM01-0-7	A

SHEET | OF | DIST.

CODE	DRWG. NO.	REV. LTR.
UML	D-DM01-0-8	K

Row	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A	W021 BAC Ø-8	W021 BAC 9-11 IOP 1 IOP 2 IOP 4 T1 PWR CLR	W021 BMB Ø-5	W021 BMB 6-11	W021 IM Ø-8	W021 IM 9-11 SKIP INT RUN(1) AC CLEAR	W021 DA Ø-8	W021 DA 9-11 BRK REQ DATA OUT BREAK(1) ADD, ACC INC MB	W021 DB Ø-8	W021 DB Ø-11 CYC SEL +1→CA INH WCOV	W021 DF Ø(1) DF 1(1) DF 2(1) ADD EXT 1-3	S107 DB SEL DEV Ø DB SEL DEV 1 DB SEL DEV 2 DB SEL DEV 3 DB SEL DEV 4 DB SEL DEV 5 DB SEL DEV 6	S107 DA SEL DEV Ø DA SEL DEV 1 DA SEL DEV 2 DA SEL DEV 3 DA SEL DEV 4 DA SEL DEV 5 DA SEL DEV 6	W640 WCOV -2 WCOV -3 WCOV -4	W640 WCOV -5 WCOV -6	S111 WCOV -Ø WCOV -1 WCOV -2
B		S107 MPX Ø MPX 1 MPX 2 MPX 3 MPX 4 MPX 5 MPX 6	S603 SET ENABLE Ø-6 SET MPX(1) Ø-6 SET MPX(Ø) Ø-6	S107 DB SEL DEV Ø DB SEL DEV 1 DB SEL DEV 2 DB SEL DEV 3 DB SEL REV 4 DB SEL DEV 5 DB SEL DEV 6	S107 0 1 2 3 4 5 6	S111 B MPX Ø B MPX 1 B MPX 2	S107 DA Ø DA 1 DA 2 DA 3 DA 4 DA 5 DA 6	S111 B MPX 3 B MPX 4 B MPX 5	W005 D-V	S107 B MPX Ø B MPX 1 B MPX 2 B MPX 3 B MPX 4 B MPX 5 B MPX 6	W005 D-V	S181 MPX PRIORITY	S107 B ENABLE 1 B ENABLE 2 B ENABLE 3 B ENABLE 4 B ENABLE 5 B ENABLE 6 BRK SYNC CLK	S202 MPX Ø B ENABLE	S107 DA 7 DA 8 DA 9 DA 1Ø DA 11 CYC SEL DAEX 3	S202 MPX 1 B ENABLE 1
C	B142 DA Ø DEV(Ø-6)	B142 DA 1 DEV(Ø-6)	B142 DA 2 DEV(Ø-6)	B142 DA 3 DEV(Ø-6)	B142 DA 4 DEV(Ø-6)	B142 DA 5 DEV(Ø-6)	B142 DA 6 DEV(Ø-6)	B142 DA 7 DEV(Ø-6)	B142 DA 8 DEV(Ø-6)	B142 DA 9 DEV(Ø-6)	B142 DA 1Ø DEV(Ø-6)	B142 DA 11 DEV(Ø-6)	B142 CYC SEL	B142 DAEX 3	B142 DAEX 2	B142 DAEX 1
D	W021 BAC Ø-8	W021 BAC 9-11 IOP 1 IOP 2 IOP 4 T1 T2	W021 BMB Ø-5	W021 BMB 6-11	W021 IM Ø-8	W021 IM 9-11 SKIP INT RUN(1) AC CLEAR	W021 DA(Ø-8) Ø	W021 DA(9-11) Ø BRK REQ Ø DATA OUTØ B MPX Ø ADD ACC Ø INC MB	W021 DB(Ø-8) Ø	W021 DB(9-11) Ø CYC SEL-Ø +1→CA INH-Ø WCOV-Ø	W021 DF Ø(1) DF 1(1) DF 2(1) ADD EXT-Ø (1-3)	W021 DA(Ø-8) 1	W021 DA(9-11) 1 BRK REQ 1 DATA OUT 1 B MPX 1 ADD ACC 1 INC MB	W021 DB(Ø-8) 1	W021 DB(9-11) 1 CYC SEL-1 +1→CA INH-1 WCOV-1	W021 DF Ø(1) DF 1(1) DF2 (1) ADD EXT-1 (1-3)

Row	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
A	S111 WCOV -3 WCOV -4 WCOV -5	S111 WCOV -6 BREAK (1)	[illegible] BREAK IN PROGRESS				W021 DA(Ø-8) 5	W021 DA(9-11) 5 BRK REQ 5 DATA OUT 5 B MPX 5 ADD ACC 5 INC MB	W021 DB(Ø-8) 5	W021 DB(9-11) 5 CYC SEL-5 +1→CA INH -5 WCOV-5	W021 DF Ø(1) DF 1(1) DF 2(1) DAEX (1-3) 5	W021 DA(Ø-8) 6	W021 DA(9-11) 6 BRK REQ 6 DATA OUT 6 B MPX 6 ADD ACC 6 INC MB	W021 DB(Ø-8) 6	W021 DB(9-11) 6 CYC SEL-6 +1→CA INH -6 WCOV-6	W021 DF Ø(1) DF 1(1) DF 2(1) DAEX (1-3) 6
B	S202 MPX 2 B ENABLE 2	S202 MPX 3 B ENABLE 3	S202 MPX 4 B ENABLE 4	S202 MPX 5 B ENABLE 5	S202 MPX 6 B ENABLE 6	R002 BRK REQ 2-3 BRK REQ 4-5 BRK REQ 6	S111 ADD ACC-6 BRK REQ B MPX 6	W005 D-V	S107 DAEX 2 DAEX 1 DB Ø DB 1 DB 2 DB 3 DB 4	S107 DB 5 DB 6 DB 7 DB 8 DB 9 DB 10 DB 11	W640 ADD ACC Ø ADD ACC 1 ADD ACC 2	W640 ADD ACC 3 ADD ACC 4 ADD ACC 5	W640 ADD ACC 6 WCOV -0 WCOV -1	S111 ADD ACC Ø ADD ACC 1 ADD ACC 2	S111 ADD ACC 3 ADD ACC 4 ADD ACC 5	S107 BRK REQ B ENABLE Ø-6 CLR ENB & MPX SET MPX(1) Ø-6 +1 → CA INH DATA-OUT T2
C	B142 DB Ø DEV(Ø-6)	B142 DB 1 DEV(Ø-6)	B142 DB 2 DEV(Ø-6)	B142 DB 3 DEV(Ø-6)	B142 DB 4 DEV(Ø-6)	B142 DB 5 DEV(Ø-6)	B142 DB 6 DEV(Ø-6)	B142 DB 7 DEV(Ø-6)	B142 DB 8 DEV(Ø-6)	B142 DB 9 DEV(Ø-6)	B142 DB 1Ø DEV(Ø-6)	B142 DB 11 DEV(Ø-6)	B142 +1 → CA INH	B142 DATA-OUT		
D	W021 DA(Ø-8) 2	W021 DA(9-11) 2 BRK REQ 2 DATA OUT2 B MPX 2 ADD ACC 2 INC MB	W021 DB(Ø-8) 2	W021 DB(9-11) 2 CYC SEL-2 +1→CA INH-2 WCOV-2	W021 DF Ø(1) DF 1(1) DF 2(1) ADD EXT-2 (1-3)	W021 DA(Ø-8) 3	W021 DA(9-11) 3 BRK REQ 3 DATA OUT3 B MPX 3 ADD ACC 3 INC MB	W021 DB(Ø-8) 3	W021 DB(9-11) 3 CYC SEL-3 +1→CA INH-3 WCOV-3	W021 DF Ø(1) DF 1(1) DF 2(1) ADD EXT-3 (1-3)	W021 DA(Ø-8) 4	W021 DA(9-11) 4 BRK REQ 4 DATA-OUT4 B MPX 4 ADD ACC 4 INC MB	W021 DB(Ø-8) 4	W021 DB(9-11) 4 CYC SEL-4 +1→CA INH-4 WCOV-4	W021 DF Ø(1) DF 1(1) DF 2(1) ADD EXT-4 (1-3)	

REVISIONS

REV. LTR.	ECO NO.	DATE	ENG
A	47	9-4-66	[illegible]
B	58	4-28-66	[illegible]
C	86	8-24-66	[illegible]
D	105	11-10-66	[illegible]
E	115	12-29-66	[illegible]
F	139	4-5-67	[illegible]
H	DM01-00002	11/1/[illegible]	[illegible]
J	DM01-00006	8/7/[illegible]	[illegible]
K	DM01-00007	3/24/7[illegible]	[illegible]

DRAWN	M. Mariano	DATE 10/8/65
CHECKED	J.E. Cuwel	DATE 10/20/65
ENG	J.E. Cuwel	DATE 10/20/65
PROJ ENG	[illegible]	DATE 12/21/[illegible]
PROD	F. [illegible]	DATE 12/21/[illegible]

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

ASSY NO

SHEET / OF /

TITLE UTILIZATION MODULE LIST

FOR

CODE	DRWG. NO.	REV. LTR.
UML	D-DM01-0-8	[illegible]

DIST.

COLOR	NAME	PIN	LOCATION	LOCATION	REMARKS
		A			BLANK
**		B			BLANK
W/BLK	G N D	C			
W/BRN	DATA BIT 0	D	A9 (DM01)	PE 04 (PDP-8)	* LENGTH OF CABLE
W/RED	G N D	X			PER SYSTEM
W/ORN	DATA BIT 1	E			CONFIGURATION
W/YEL	G N D	F			
W/GRN	DATA BIT 2	H			
W/BLU	G N D	J			
W/VIO	DATA BIT 3	K			** 9 CONDUCTOR
W/GRY	G N D	L			CO-AXIAL CABLE
WHT	DATA BIT 4	M			
W/BLK	G N D	N			
W/BRN	DATA BIT 5	P			
W/RED	G N D	R			
W/ORN	DATA BIT 6	S			
W/YEL	G N D	X			
W/GRN	DATA BIT 7	T			
W/BLU	G N D	U			
W/VIO	DATA BIT 8	V	A9 (DM01)	PE 04 (PDP-8)	
W/GRY	G N D	X			

REV. LTR.	ECO. NO.	DATE	ENG.

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

SIGNAL CABLE CONNECTOR

TITLE: W021 - *C - W011

DRAWN: M. Macie 12/2/65
CHECKED: F. Cassell
ENG: F. Cassell
PROD: F. Cassell

FOR:

CODE	DRWG. NO.	REV.
CL	A-DM01-0-9	B

SHEET 9 OF 10
DIST.

COLOR	NAME	PIN	LOCATION	LOCATION	REMARKS
		A			BLANK
**		B			BLANK
W/BLK	G N D	C			
W/BRN	DATA BIT 9	D	A10 (DM01)	PF 04 (PDP-8)	*LENGTH OF CABLE
W/RED	G N D	X			PER SYSTEM
W/ORN	DATA BIT 10	E			CONFIGURATION
W/YEL	G N D	F			
W/GRN	DATA BIT 11	H			
W/BLU	G N D	J			** 9 CONDUCTOR
W/VIO	CYC SEL	K			CO -AXIAL CABLE
W/GRY	G N D	L			
WHT	+1 CA INH	M			
W/BLK	G N D	N			
W/BRN	WCOV	P			
W/RED	G N D	R			
W/ORN	DAEX 1	S			
W/YEL	G N D	X			
W/GRN	DAEX 2	T			
W/BLU	G N D	U			
W/VIO	DAEX 3	V	A10 (DM01)	PF 04 (PDP-8)	
W/GRY	G N D	X			

REV. LTR.	ECO. NO.	DATE	ENG.

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

SIGNAL CABLE CONNECTOR

TITLE: W021 - *C - W011

DRAWN: M. Macie 12/2/65
CHECKED: F. Cassell
ENG: F. Cassell
PROD: F. Cassell

FOR: DM01

CODE	DRWG. NO.	REV.
CL	A-DM01-0-9	B

SHEET 10 OF 10
DIST.

COLOR	NAME	PIN	LOCATION	LOCATION	REMARKS
		A			BLANK
**		B			BLANK
W/BLK	G N D	C			
W/BRN	BAC 0(1)	D	A1 (DM01)	ME 34(PDP-8)	*LENGTH OF
W/RED	G N D	X			CABLE PER SYSTEM
W/ORN	BAC 1(1)	E			CONFIGURATION
W/YEL	G N D	F			
W/GRN	BAC 2(1)	H			
W/BLU	G N D	J			
W/VIO	BAC3(1)	K			**
W/GRY	G N D	L			9 CONDUCTOR
WHT	BAC 4(1)	M			CO-AXIAL CABLE
W/BLK	G N D	N			
W/BRN	BAC 5(1)	P			
W/RED	G N D	R			
W/ORN	BAC 6(1)	S			
W/YEL	G N D	X			
W/GRN	BAC 7(1)	T			
W/BLU	G N D	U			
W/VIO	BAC 8(1)	V	A1 (DM01)	ME 34 (PDP-8)	
W/GRY	G N D	X			

REV. LTR.	ECO. NO.	DATE	ENG.
A	47	3-4-66	SC
B	DM01-00005		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

SIGNAL CABLE CONNECTOR

TITLE: W021 - *C-W011

DRAWN: M. Macie 12/2/65
CHECKED: J. E. Carnell
ENG: J. E. Carnell
PROD: J. E. Carnell

FOR: DM01

CODE	DRWG. NO.	REV.
CL	A-DM01-0-9	B

SHEET 1 OF 10
DIST.

COLOR	NAME	PIN	LOCATION	LOCATION	REMARKS
		A			BLANK
**		B			BLANK
W/BLK	G N D	C			
W/BRN	BAC 9(1)	D	A2 (DM01)	MF 34 (PDP-8)	*LENGTH OF
W/RED	G N D	X			CABLE PER
W/ORN	BAC 10(1)	E			SYSTEM
W/YEL	G N D	F			CONFIGURATION
W/GRN	BAC 11(1)	H			
W/BLU	G N D	J			
W/VIO	IOP 1	K			
W/GRY	G N D	L			** 9 CONDUCTOR
WHT	IOP 2	M			CO-AXIAL CABLE
W/BLK	G N D	N			
W/BRN	IOP 3	P			
W/RED	G N D	R			
W/ORN	T1	S			
W/YEL	G N D	X			
W/GRN	T2	T			
W/BLU	G N D	U			
W/VIO	PWR CLR	V	A2 (DM01)	MF 34 (PDP-8)	
W/GRY	G N D	X			

REV. LTR.	ECO. NO.	DATE	ENG.

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

SIGNAL CABLE CONNECTOR

TITLE: W021 - *C - W011

DRAWN: M. Macie 12/2/65
CHECKED: J. E. Carnell
ENG: J. E. Carnell
PROD: J. E. Carnell

FOR: DM01

CODE	DRWG. NO.	REV.
CL	A-DM01-0-9	B

SHEET 2 OF 10
DIST.

COLOR	NAME	PIN	LOCATION	LOCATION	REMARKS
		A			BLANK
**		B			BLANK
W/BLK	GND	C			
W/BRN	BMB 6(0)	D	A4 (DM01)	MF 35 (PDP-8)	* LENGTH OF
W/RED	GND	X			CABLE PER
W/ORN	BMB 6(1)	E			SYSTEM
W/YEL	GND	F			CONFIGURATION
W/GRN	BMB 7(0)	H			
W/BLU	GND	J			
W/VIO	BMB 7(1)	K			** 9 CONDUCTOR
W/GRY	GND	L			CO-AXIAL CABLE
WHT	BMB 8(0)	M			
W/BLK	GND	N			
W/BRN	BMB 8(1)	P			
W/RED	GND	R			
W/ORN	BMB 9(1)	S			
W/YEL	GND	X			
W/GRN	BMB 10(1)	T			
W/BLU	GND	U			
W/VIO	BMB 11(1)	V	A4 (DM01)	MF 35 (PDP-8)	
W/GRY	GND	X			

REV. LTR.	ECO. NO.	DATE	ENG.

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

SIGNAL CABLE CONNECTOR

TITLE: W021 - *C - W011

DRAWN: M. Macie 12/8/65
CHECKED: J. E. Cundell
ENG: J. E. Cundell
PROD: J. E. Cundell

FOR: DM01

CODE	DRWG. NO.	REV.
CL	A-DM01-0-9	B

SHEET 4 OF 10
DIST.

COLOR	NAME	PIN	LOCATION	LOCATION	REMARKS
		A			BLANK
**		B			BLANK
W/BLK	GND	C			
W/BRN	BMB 0(1)	D	A3 (DM01)	ME 35 (PDP-8)	*LENGTH OF
W/RED	GND	X			CABLE PER
W/ORN	BMB 1(1)	E			SYSTEM
W/YEL	GND	F			CONFIGURATION
W/GRN	BMB 2(1)	H			
W/BLU	GND	J			
W/VIO	BMB 3(0)	K			** 9 CONDUCTOR
W/GRY	GND	L			CO-AXIAL CABLE
WHT	BMB 3(1)	M			
W/BLK	GND	N			
W/BRN	BMB 4(0)	P			
W/RED	GND	R			
W/ORN	BMB 4(1)	S			
W/YEL	GND	X			
W/GRN	BMB 5(0)	T	A3 (DM01)	ME 35 (PDP-8)	
W/BLU	GND	U			
W/VIO	BMB 5(1)	V			
W/GRY	GND	X			

REV. LTR.	ECO. NO.	DATE	ENG.
A	47	3-4-66	

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

SIGNAL CABLE CONNECTOR

TITLE: W021 - *C - W011

DRAWN: M. Macie 12/2/65
CHECKED: J. E. Cundell
ENG: J. E. Cundell
PROD: J. E. Cundell

FOR: DM01

CODE	DRWG. NO.	REV.
CL	A-DM01-0-9	B

SHEET 3 OF 10
DIST.

COLOR	NAME	PIN	LOCATION	LOCATION	REMARKS
		A			BLANK
**		B			BLANK
W/BLK	GND	C			
W/BRN	IM 0	D	A5 (DM01)	PE 02 (PDP-8)	*LENGTH OF CABLE
W/RED	GND	X			PER SYSTEM
W/ORN	IM 1	E			CONFIGURATION
W/YEL	GND	F			
W/GRN	IM 2	H			
W/BLU	GND	J			
W/VIO	IM 3	K			** 9 CONDUCTOR
W/GRY	GND	L			CO-AXIAL CABLE
WHT	IM 4	M			
W/BLK	GND	N			
W/BRN	IM 5	P			
W/RED	GND	R			
W/ORN	IM 6	S			
W/YEL	GND	X			
W/GRN	IM 7	T			
W/BLU	GND	U			
W/VIO	IM 8	V	A5 (DM01)	PE 02 (PDP-8)	
W/GRY	GND	X			

REV. LTR.	ECO. NO.	DATE	ENG.

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

SIGNAL CABLE CONNECTOR

TITLE W021 - *C - W011

DRAWN M. Macie 12/2/65

CHECKED S.E. Cassell

ENG. S.E. Cassell

PROD. S.E. Cassell

FOR DM01

CODE CL | DRWG. NO. A-DM01-0-9 | REV. B

SHEET 5 OF 10

DIST.

COLOR	NAME	PIN	LOCATION	LOCATION	REMARKS
		A			BLANK
**		B			BLANK
W/BLK	GND	C			
W/BRN	IM 9	D	A6 (DM01)	PF 02 (PDP-8)	* LENGTH OF CABLE
W/RED	GND	X			PER SYSTEM
W/ORN	IM 10	E			CONFIGURATION
W/YEL	GND	F			
W/GRN	IM 11	H			
W/BLU	GND	J			
W/VIO	SKIP	K			** 9 CONDUCTOR
W/GRY	GND	L			COAXIAL CABLE
WHT	INTERRUPT	M			
W/BLK	GND	N			
W/BRN	AC CLR	P			
W/RED	GND	R			
W/ORN	RUN(1)	S			
W/YEL	GND	X			
W/GRN	TT INST.	T			
W/BLU	GND	U			
W/VIO	LINE(1)	V	A6 (DM01)	PF 02 (PDP-8)	
W/GRY	GND	X			

REV. LTR.	ECO. NO.	DATE	ENG.

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

SIGNAL CABLE CONNECTOR

TITLE W021 - *C - W011

DRAWN M. Macie 12/2/65

CHECKED S.E. Cassell

ENG. S.E. Cassell

PROD. S.E. Cassell

FOR DM01

CODE CL | DRWG. NO. A-DM01-0-9 | REV. B

SHEET 6 OF 10

DIST.

COLOR	NAME	PIN	LOCATION	LOCATION	REMARKS
		A			BLANK
**		B			BLANK
W/BLK	G N D	C			
W/BRN	DATA ADD 9(1)	D	A8 (DM01)	PF 03 (PDP-8)	* LENGTH OF CABLE
W/RED	G N D	X			PER SYSTEM
W/ORN	DATA ADD10(1)	E			CONFIGURATION
W/YEL	G N D	F			
W/GRN	DATA ADD11(1)	H			
W/BLU	G N D	J			
W/VIO	BK. REQ	K			
W/GRY	G N D	L			** 9 CONDUCTOR
WHT	TRANS. DIR.	M			CO-AXIAL
W/BLK	G N D	N			
W/BRN	BREAK(1)	P			
W/RED	G N D	R			
W/ORN	ADD. ACC.	S			
W/YEL	G N D	X			
W/GRN		T			
W/BLU	G N D	U			
W/VIO		V	A8 (DM01)	PF 03 (PDP-8)	
W/GRY	G N D	X			

REV. LTR.	ECO. NO.	DATE	ENG.

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

SIGNAL CABLE CONNECTOR

TITLE: W021 - *C - W011

DRAWN: M. Macie 12/2/65
CHECKED: J.F. Carroll
ENG. J.F. Carroll
PROD. J.F. Carroll

FOR: DM01

CODE	DRWG. NO.	REV.
CL	A-DM01-0-9	B

SHEET 8 OF 10
DIST.

COLOR	NAME	PIN	LOCATION	LOCATION	REMARKS
		A			BLANK
**		B			BLANK
W/BLK	G N D	C			
W/BRN	DATA ADD0(1)	D	A7 (DM01)	PE 03 (PDP-8)	* LENGTH OF CABLE
W/RED	G N D	X			PER SYSTEM
W/ORN	DATA ADD1(1)	E			CONFIGURATION
W/YEL	G N D	F			
W/GRN	DATA ADD2(1)	H			
W/BLU	G N D	J			
W/VIO	DATA ADD3(1)	K			** 9 CONDUCTOR
W/GRY	G N D	L			CO-AXIAL CABLE
WHT	DATA ADD4(1)	M			
W/BLK	G N D	N			
W/BRN	DATA ADD5(1)	P			
W/RED	G N D	R			
W/ORN	DATA ADD6(1)	S			
W/YEL	G N D	X			
W/GRN	DATA ADD7(1)	T			
W/BLU	G N D	U			
W/VIO	DATA ADD8(1)	V	A7 (DM01)	PE 03 (PDP-8)	
W/GRY	G N D	X			

REV. LTR.	ECO. NO.	DATE	ENG.

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

SIGNAL CABLE CONNECTOR

TITLE: W021 - *C - W011

DRAWN: M. Macie 12/2/65
CHECKED: J.F. Carroll
ENG. J.F. Carroll
PROD. J.F. Carroll

FOR: DM01

CODE	DRWG. NO.	REV.
CL	A-DM01-0-9	B

SHEET 7 OF 10
DIST.

DRWG NO
B-DM01-0-10

REV LTR
J

REV LTR	REVISIONS	ENG
A	47	
B		
C	105	
D	115	
E	139	
F	DM01 8000	
H	DM01 8004	3/10/66
J	DM01 8007	8/22/67

DRAWN	J E Cassell	DATE 12/8/65
CHECKED	J. E. Cassell	DATE 12/22/65
ENG	J E Cassell	DATE 12/8/65
PROJ ENG	E. L. Curtis	DATE 12/22/65
PROD	E. L. Curtis	DATE 12/22/65

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE
DM01 WIRING

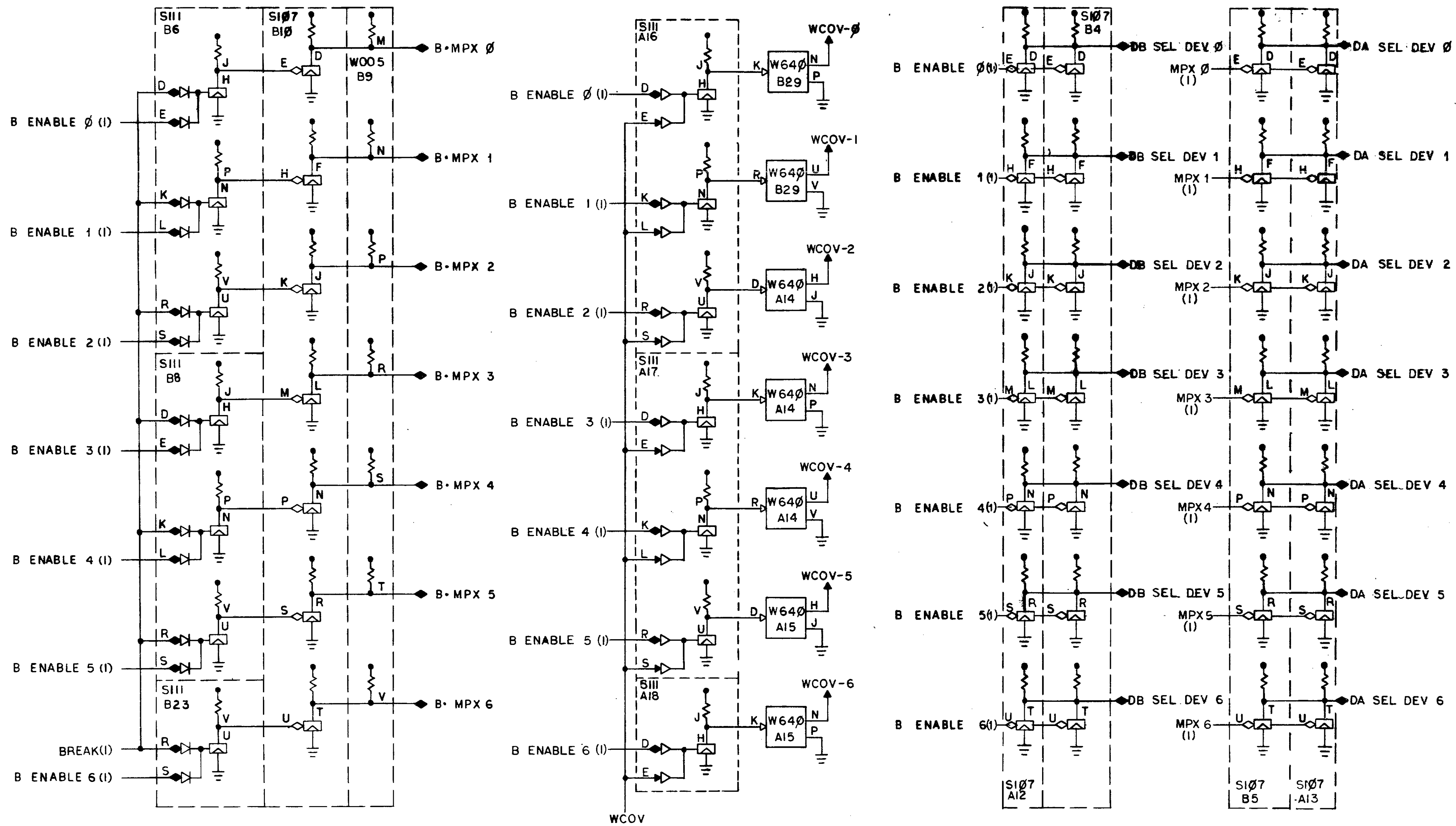
TAPE* DM01 FILE* 1

ASSY NO | CODE WL

SHEET OF

DRWG NO
B-DM01-0-10

REV LTR



NOTE:
DA SEL DEV (Ø-6) = DATA ADDRESS SELECTION I/O DEVICE (Ø-6)
DB SEL DEV (Ø-6) = DATA BIT SELECTION I/O DEVICE (Ø-6)

REV. LTR.	ECO. NO.	DATE
A	58	
B	86	
C	139	4-5-66

REVISIONS

DRAWN B.L.UMPKIN DATE 9-14-65

digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS

TITLE DATA MULTIPLEXER TYPE DM01

CODE BS DRWG. NO. D-DM01-0-11 REV. LTR. C

COLOR	NAME	PIN	LOCATION	LOCATION	REMARKS
		A			BLANK
**		B			BLANK
W/BLK	G N D	C			
W/BRN	DF 0(1)	D	A11 (DM01)	ME 30 (PDP-8)	* LENGTH OF CABLE
W/RED	G N D	X			PER SYSTEM
W/ORN	DF 1(1)	E			CONFIGURATION
W/YEL	G N D	F			
W/GRN	DF 2(1)	H			
W/BLU	G N D	J			
W/VIO	ADD EXT 1	K			** 9 CONDUCTOR
W/GRY	G N D	L			CO-AXIAL CABLE
WHT	ADD EXT 2	M			
W/BLK	G N D	N			
W/BRN	ADD EXT 3	P			
W/RED	G N D	R			
W/ORN		S			*** NOTE:
W/YEL	G N D	X			
W/GRN		T			THIS CABLE
W/BLU	G N D	U			ONLY REQUIRED IN
W/VIO		V	A11 (DM01)	ME 30(PDP-8)	SYSTEMS WITH
W/GRY	G N D	X			EXTRA MEMORY
					MODULES (184)

REV. LTR.	ECO. NO.	DATE	ENG.

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

SIGNAL CABLE CONNECTOR

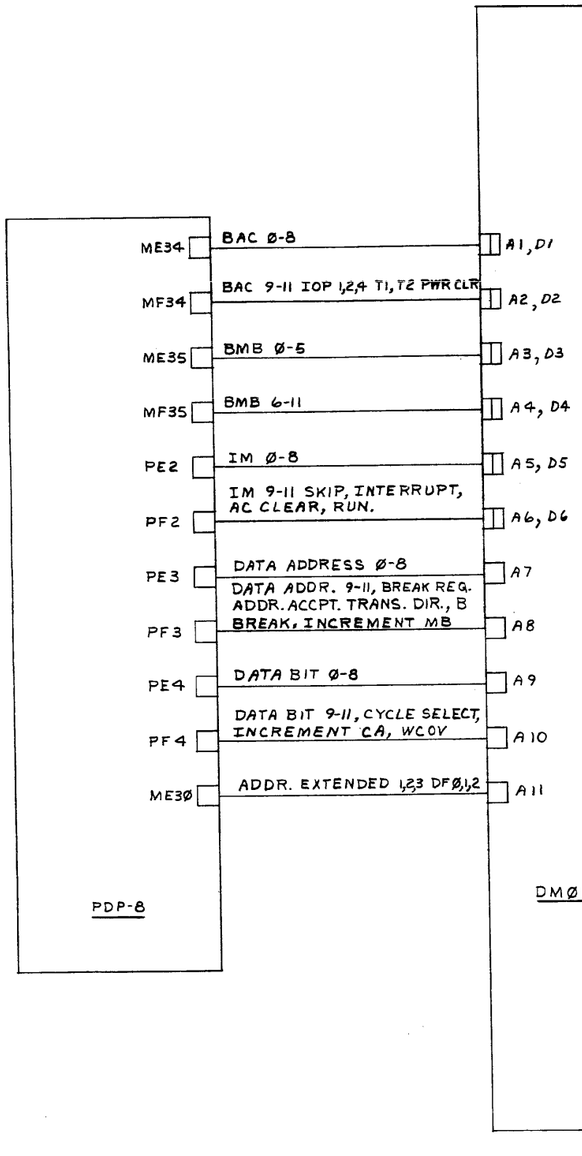
TITLE
W021 - *C - W011

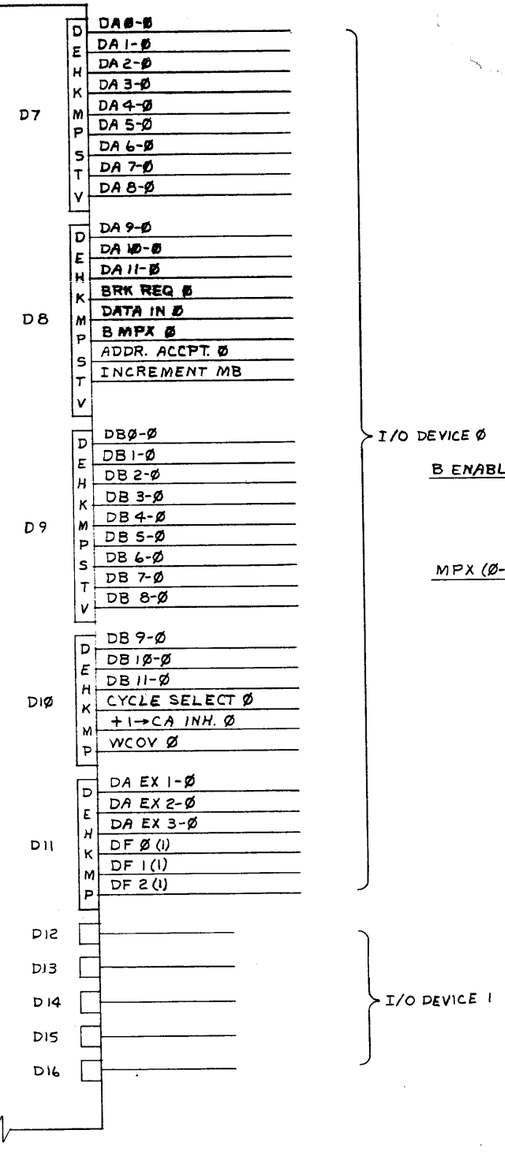
DRAWN M. [illegible] 12/2/65
CHECKED S. E. Cassell
ENG. S. F. Cassell
PROG. S. E. Cassell

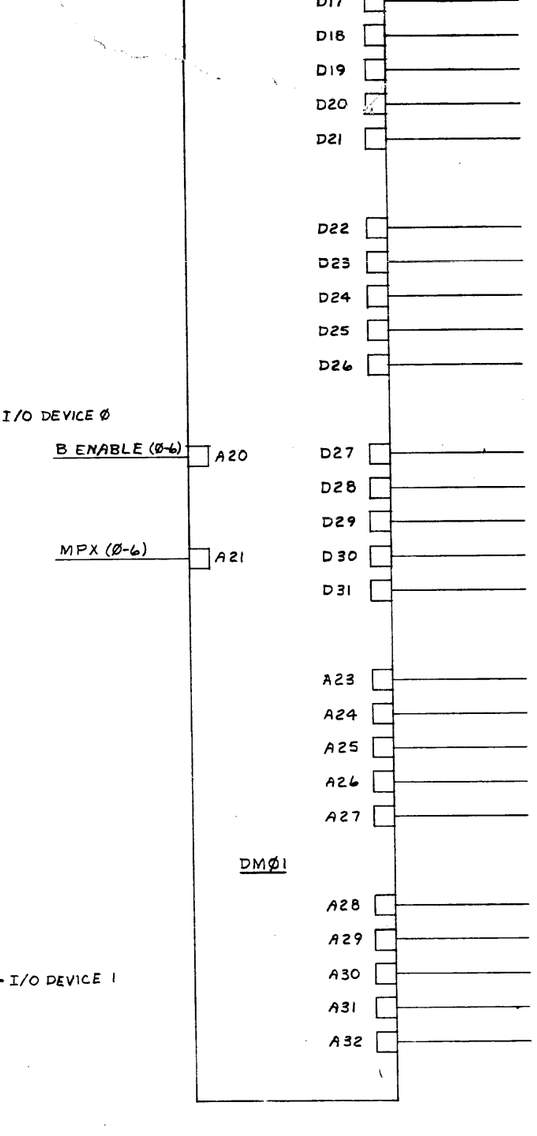
FOR DM01

CODE	DRWG. NO.	REV.
CL	D-DM01-0-12	

SHEET 1 OF 1
DIST.







QTY.	DESCRIPTION	PART NO.	ITEM NO.
	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. [signature] DATE 2/6/67
CHK'D. [signature] DATE 2-6-67
ENG. [signature] DATE 2/13/67
PROJ. ENG. [signature] DATE 2/13/67
PROD. [signature] DATE 2/13/67
FIRST USED ON
SCALE
SHEET OF

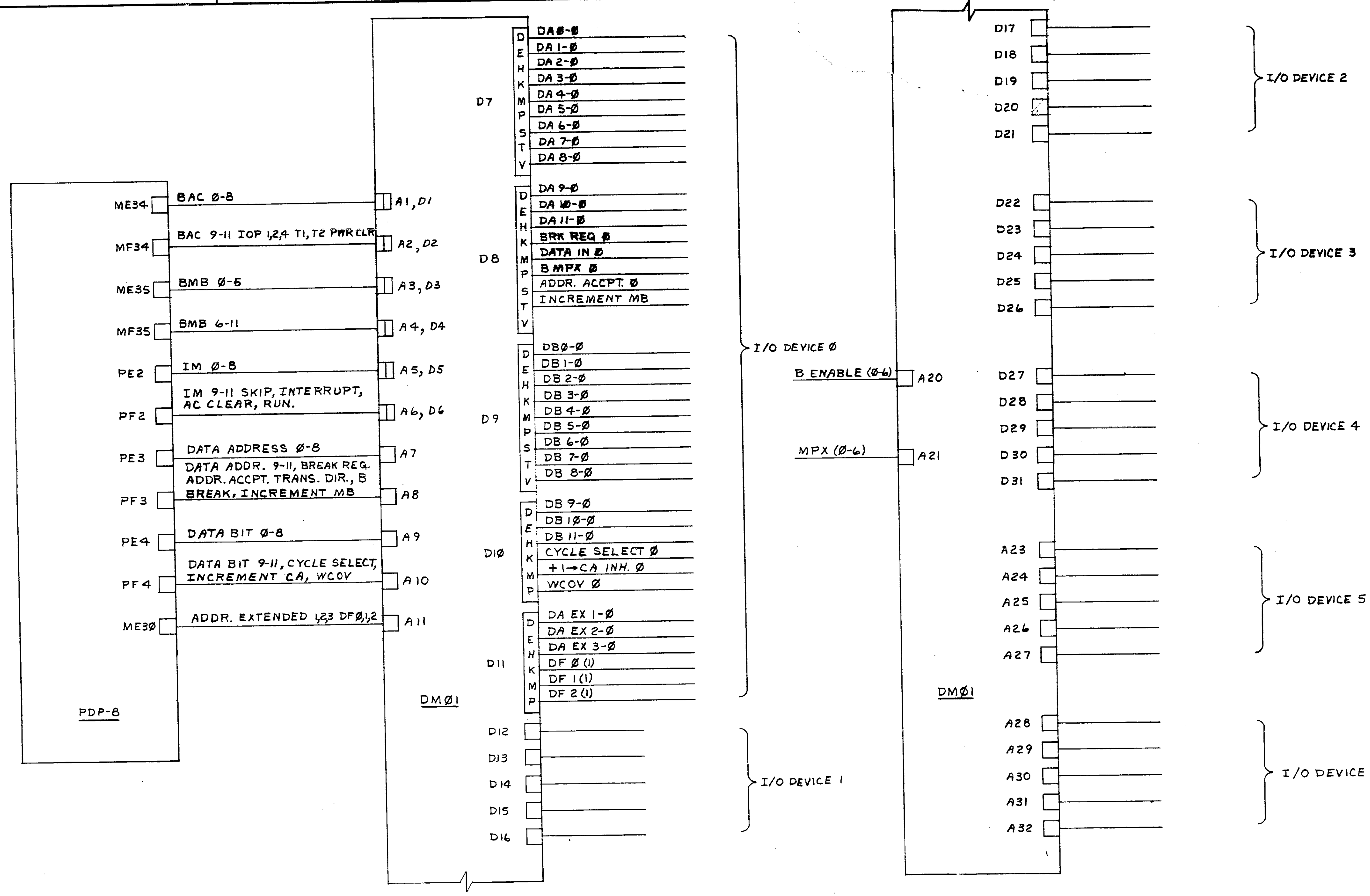
digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS

TITLE
DMØ1
INTER CONNECTING
CABLE DIAGRAM

SIZE D | CODE IC | NUMBER DMØ1-Ø-13 | REV.
DIST.

REVISIONS | REV. | CHANGE NO. | CHK

DEC FORM NO. DRD 102



QTY.	DESCRIPTION	PART NO.	ITEM NO.

PARTS LIST

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

		DATE
DRN.		4-6-67
CHK'D.		
ENG.		4/13/67
PROJ. ENG.		4/13/67
PROD.		4/13/67

FIRST USED ON

SCALE

SHEET OF

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

TITLE
DMØ1
INTER CONNECTING CABLE DIAGRAM

SIZE D CODE IC NUMBER DMØ1-Ø-13 REV.

DIST.

REVISIONS | REV. | CHANGE NO. | CHK

DEC FORM NO. DRD 102

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

ACCESSORY LIST

MADE BY Dee Moran	CHECKED a. Dollard	SECTION
DATE	DATE 3-16-70	
ENG M.E. Crockett	PROD B. Gallagher	ISSUED SECT.
DATE 3/16/70	DATE 3/13/70	

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
1.	DEC-08-I8AA-D	Manual	1
2.	DEC-70-5820-3	I/O Cables	11
3.	90-08851	Mounting hardware	1
4.	91-07712	Hook Up Wire	1
5.		779 or 779 Power Supply is a customer has no P.S.	

KIT CHECK BY _____ DATE _____

INSTALLATION CHECK BY _____ DATE _____

TITLE	ASSY. NO.	SIZE	CODE	NUMBER	REV.	ECO NO
Data Multiplexer	SHEET 1 OF 1	A	AL	DM01-0-14		
		DIST.				

DEC FORM NO.
DRA 121

DIGITAL EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

ACCESSORY LIST

MADE BY / DATE	CHECKED / DATE	SECTION
Dee Moran	a. DeVa[illegible] / DATE 3-16-70	
ENG McElrowned / DATE 3/16/70	PROD B. [illegible] / DATE 3/13/70	ISSUED SECT.

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							KIT CHECK BY ___ DATE ___	INSTALLATION CHECK BY ___ DATE ___
1.	DEC-08-I8AA-D	Manual	1								
2.	DEC-70-5820-3	I/O Cables	11								
3.	90-08851	Mounting hardware	1								
4.	91-07712	Hook Up Wire	1								
5.		779 or 779 Power Supply is a customer has no P.S									

TITLE	ASSY. NO.	SIZE	CODE	NUMBER	REV.	ECO NO
Data Multiplexer	SHEET 1 OF 1	A	AL	DM01-0-14		

DEC FORM NO.
DRA 121