

digital

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DDII-D

Engineering Drawings

Digital Equipment Corporation

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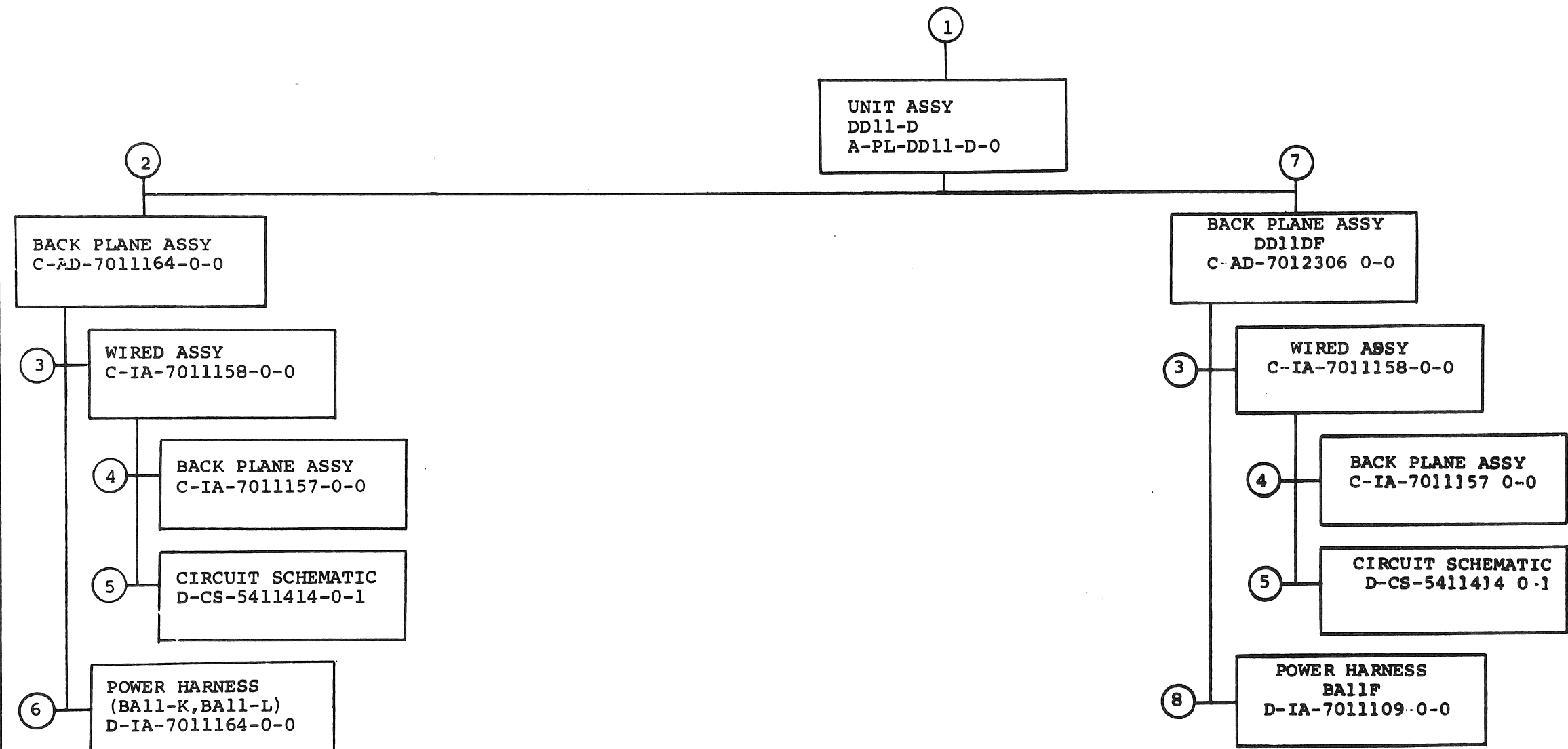
THIS IS PRINT SET

SEQUENCE

B-DD-DD11-D
C-AD-7011164-0-0
C-AD-7012306-0-0
D-MU-DD11-D-2
D-IA-7011108-0-0
D-IA-7011109-0-0
D-CS-5411414-0-1
K-WL-DD11-D-1

[illegible]

REVISIONS			USED ON OPTION/MODEL				DRN.	DATE	TITLE									
DATE	CHG. NO.	REV					M. BAPTISTE	5/12/75	DRAWING DIKECTORY DD11-D									
2-76	DD11 D-00001	A					CHK'D.	DATE										
9-76	DD11 D-00004	B					D. HEALY	5/15/75										
2-77	DD11 D-00005	C					PROJ ENG.	DATE										
							Richard Barry	5/26/75										
							PROD.	DATE	SIZE	CODE	NUMBER					REV		
							R.K. Peters	6/12/75	B	DD	DD11-D					C		
							FIELD SERV.	DATE	DIST									
							Chris M. ...	6-17-75										
			SHEET 1 OF 3															



TITLE	SHEET	SIZE	CODE	NUMBER	REV
DRAWING DIRECTORY DD11-D	2 OF 3	B	DD	DD11-D	C

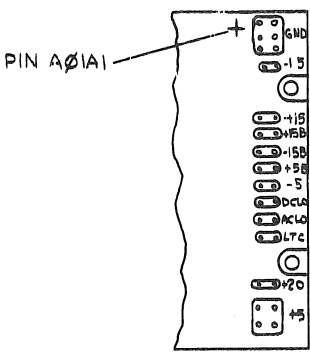
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WIRE TABLE

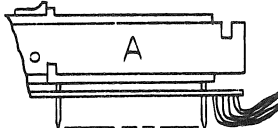
FROM			TO	FROM			TO
COLOR	POINT	CONNECTION	SIGNAL	COLOR	POINT	CONNECTION	SIGNAL
BLUE	P4-13	SOLDER	-15V	BRN	P2-14	SOLDER	-5V
RED	P4-4		+5V	BLK	P2-8		GND
RED	P4-1		+5V	GRAY	P2-2		+15
BLK	P4-8		GND	ORG	P2-3		+20
ORG	P4-3		+20V	BLK	P2-9		GND
BLK	P4-9		GND	RED	P2-12	SOLDER	+5B
WHT	P4-6		+15B	ITEM 5	ITEM 6	SOLDER	GND
GRN	P4-15		-15B				
YEL	P3-4		ACLO				
BLK	P3-1		GND				
BRN	P3-2		LTC				
VIO	P3-3		DCLO				
RED	P2-4		+5V				
RED	P2-1	SOLDER	+5V				

NOTES:

1. WHEN THE DDII-DK'S USED WITH A BAIL-K EXPANSION BOX WITHOUT BATTERY BACK-UP (I.E., NO H785 NOR H7850), INSTALL THE THREE JUMPEKS SHOWN:
a) -15 TO -15B, b) +15 TO +15B, c) +5 TO +5B
USE #20 SHIELDED BUS WIRE ON SIDE 2. THIS WILL PROVIDE POWER TO THE MOS MEMORY VOLTAGE RAILS. (SEE NOTE 3)
2. INSTALL ITEM #6 UNDER LOGIC FRAME MOUNTING SCREW TO TIE LOGIC GROUND TO CHASSIS GROUND.
3. BAIL-K'S THAT USE THE 5410864-YA-1 POWER DISTRIBUTION (I.E., 11/34A, 11/34 WITH FP11-AU, AND SOME 11/04'S) AND HAVE MORE THAN ONE DDII-DK (OR AN ADDITIONAL DDII-CK) CAN ONLY HAVE THE +5 TO -5B JUMPER IN ONE OF THE BACK PANELS. IF TWO OF THE BACK PANELS HAVE THE JUMPER IN THE +5V REGULATORS MAY BE CONNECTED TOGETHER. TYPICALLY THIS JUMPER IS IN THE FIRST BACK PANEL, BUT IT MAY BE PLACED IN ONE OF THE OTHER BACK PANELS IF DEEMED NECESSARY FOR POWER REQUIREMENTS.

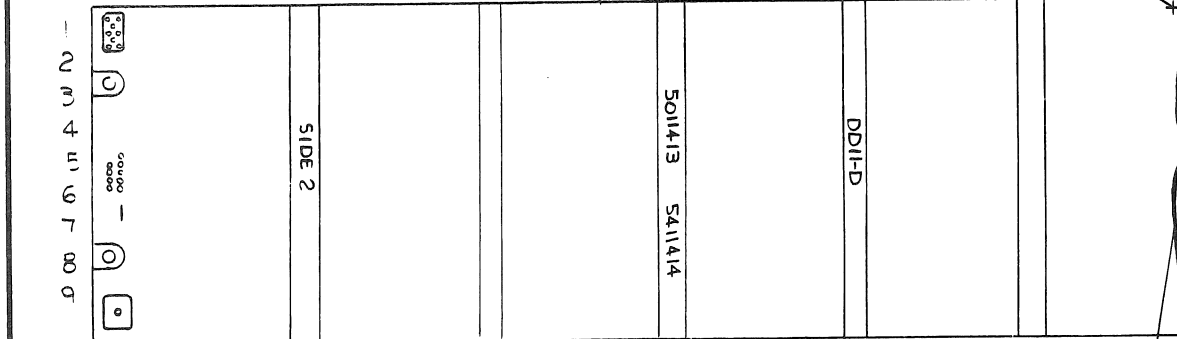


VIEW A



SEE VIEW A

SLOT



SEE NOTE 1

43

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
DDII-DK					
PARTS LIST					
DIMENSIONAL TOLERANCE		DRN	DATE		
DIMENSIONS ARE INCHES UNLESS OTHERWISE SPECIFIED		CHK'D	DATE		
MILLIMETERS		ENG.	DATE		
THIRD ANGLE PROJECTION		PROJ. ENG.	DATE		
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		PROD.	DATE		
MATERIAL SEE PARTS LIST		NEXT HIGHER ASSY.		TITLE	
FINISH		A-PL-DDII-D-Ø		BACKPLANE ASS'Y (DDII-DK)	
		SCALE		SIZE CODE	
		SHEET 1 OF 1		NUMBER	
				REV.	

REV.	CHANGE NO.	DATE	BY	CHK'D	DATE
A	701164-00001	10/27/75	R. BARRY		
B	DDII-DK-00004	13 Oct. 76	D. BARRY		
C	DDII-DK-00006	15 Jan 76	R. Barry		
D	DDII-DK-00007	6 MAY 77	D. Barry		
E	DDII-DK-00008	9 MAY 77	R. Barry		

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WIRE TABLE

FROM			TO	FROM			TO
COLOR	POINT	CONNECTION	SIGNAL	COLOR	POINT	CONNECTION	SIGNAL
BLU	P4-13	SOLDER	-15 V	BRN	P2-14	SOLDER	-5V
RED	P4-4		+ 5V	BLK	P2-8		GND
RED	P4-1		+ 5V	GRY	P2-2		+15
BLK	P4-8		GND	ORN	P2-3		+ 20
ORN	P4-3		+ 20V	BLK	P2-9		GND
BLK	P4-9		GND	RED	P2-10	SOLDER	+ 5 B
WHT	P4-6		+15 B	ITEM#5	ITEM#6	SOLDER	GND
GRN	P4-15		-15 B				
YEL	P3-4		AC LO				
BLK	P3-1		GND				
BRN	P3-2		LTC				
VIO	P3-3		DC LO				
RED	P2-4		+ 5V				
RED	P2-1	SOLDER	+5V				

PIN A01 A1

VIEW "A"

SEE NOTE 1

QTY.	DESCRIPTION	PART NO.	ITEM NO.
1	TERMINAL, SOLDER	9008150	6
AIR	WIRE, BLK STRD #14	9107370-00	5
AIR	TUBING, #20 (CLEAR)	9107267-10	4
AIR	WIRE, BUS # 20	9107560-03	3
1	POWER HARNESS BAI-F	D-IA-7011109-0-0	2
1	WIRED ASSY DDII-D	C-IA-7011158-0-0	1

FIRST USED ON OPTION/MODEL

DDII - DF

DIMENSIONAL TOLERANCE

DIMENSIONS ARE ~~MILLIMETERS~~ INCHES UNLESS OTHERWISE SPECIFIED

MILLIMETERS	INCHES	ANGLES
X,XX = ± 0.10	.XX = ± .005	± 0° 30'
X,X = ± 0.5	.X = ± .02	
X = ± 2	.X = ± .1	

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓

MATERIAL SEE PARTS LIST

FINISH —

DRN. R. Beasley

CHK'D S. Gaby

ENG. Richard Barry

PROJ. ENG. Richard Barry

PROD. K. McQuinn

DATE 12-18-75

DATE 12-18-75

DATE 3-10-76

DATE 3-10-76

DATE 3-16-76

TITLE

BACK PLANE ASSY (DDII-DF)

SIZE CODE C

AD

NUMBER 7012306-0-0

REV. A

REVISIONS

CHK	CHANGE NO.	REV.
RG	DDII-D-00006	A
D. Zander 5 May 77		
R. Barry 9 May 77		

NOTES:

- WHEN DDII-DF IS USED WITH A BAI-F EXP. BOX WITHOUT BATTERY BACK UP INSTALL THE THREE JUMPERS SHOWN:
1) -15 TO -15 B
2) +15 TO +15 B
3) + 5 TO + 5 B
USE #20 INSULATED BUS WIRE ON SIDE 2. THIS WILL PROVIDE POWER TO THE MOS MEM VOLTAGE RAILS.
- INSTALL ITEM #6 UNDER LOGIC FRAME MTG. SCREW TO TIE LOGIC GROUND TO CHASSIS GROUND.
- THE BAI-F POWER HARNESS ITEM #2 IS NOT ELECTRICALLY COMPATIBLE WITH THE BAI-L OR BAI-K MOUNTING BOX.

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SLOT 1 (A&B) IS EITHER THE BEGINNING OF THE UNIBUS (M7263 CPU MODULE OR THE UNIBUS CABLE INPUT (BC11A)

SLOT 9 (A&B) IS EITHER THE TERMINATION OF THE UNIBUS OR THE UNIBUS OUTPUT CABLE (BC11A)

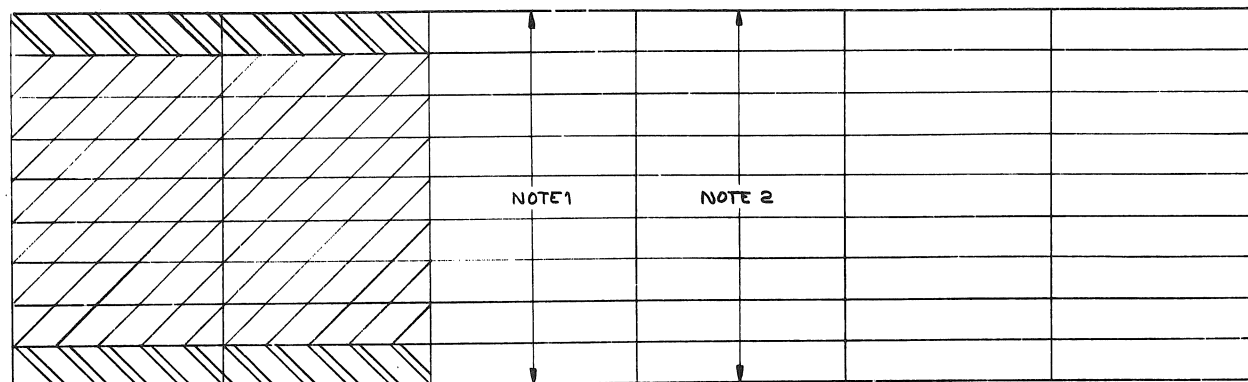
SLOT

1
2
3
4
5
6
7
8
9

UNIBUS INPUT

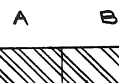
BUS GRANT DIRECTION

A B C D E F



VIEW FROM MODULE SIDE

UNIBUS OUTPUT



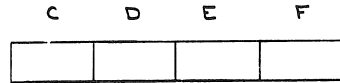
STANDARD UNIBUS
(SLOT 1-9)

DUAL MODULES WHICH
PLUG INTO STANDARD
UNIBUS SLOTS ONLY:
BC11A UNIBUS CABLE
M9302 SACK/TERM (NOTES)
M920 (NOTE 4)
M930 (NOTES)
M9202 (NOTE 4)

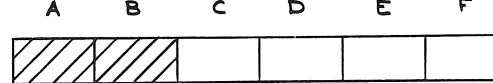


MODIFIED UNIBUS
(SLOT 2-8)

DUAL MODULES WHICH
PLUG INTO THE
MODIFIED UNIBUS ONLY:
M9301 BOOT/TERM.
M9306 TERM.
M7850 PARITY CONT.

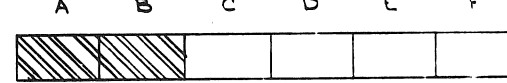


SMALL PERIPHERAL CONTROLLER
(SLOT 1-9)
ANY S.P.C. OPTION



HEX MODULE WITH MODIFIED UNIBUS SIGNALS
(SLOTS 2-8)

HEX MODULES THAT PLUG INTO MODIFIED UNIBUS ONLY:
M7847 MOS MEMORY (MS11-EP-JP)
MM11-BP, CP, DP OR YP CORE MEMORY



HEX MODULE WITH STANDARD UNIBUS SIGNALS
SLOT 1 ONLY
M7263 PDP1104 CPU MODULE

CABLE FROM KY11-LA
OPERATORS CONSOLE,
USED WITH (M7263)
PDP1104 CPU MODULE ONLY,
TERMINATES HERE.

GENERAL

ANY HEX MODULE THAT MEETS THE FOLLOWING REQUIREMENTS CAN BE MOUNTED IN THESE SLOTS.
1.) THOSE PINNED TO TAKE SIGNALS FROM MODIFIED UNIBUS (A&B) WITH THE BUS GRANTS TAKEN FROM SPC SLOTS 1E: ABOVE
2.) THOSE PINNED TO TAKE SIGNALS FROM STANDARD SPC PINNING WITH THE EXCEPTION OF POWER FROM (A&B). 1E: SPECIAL OPTIONS

NOTES:

1. REMOVE CA1 TO CB1 WIRE WRAP JUMPER TO INSTALL AN NPR OPTION IN ANY SPC SLOT.
2. 0727 REQUIRED IN ANY UNUSED SPC SLOT TO PROVIDE BUS GRANT CONTINUITY.
3. GRANT DIRECTION IS SLOT 1 TO SLOT 9.
4. USE M9202 TO INTERCONNECT SYSTEM UNITS INSTEAD OF M920. M9202 IS A 2 FT. UNIBUS JUMPER CABLE USED TO DISTRIBUTE UNIBUS LOADING.
5. M9302 (SACK/TERM) AND M9306 (TERM) MUST NEVER BE INSTALLED IN ANY SLOT OTHER THAN SLOT 9 (A & B). POWER SUPPLY VOLTAGES WILL BE SHORTED OUT IF THESE TERMINATORS ARE MOUNTED IN THE MODIFIED UNIBUS SLOTS.
6. MODIFIED UNIBUS SECTION CARRIES CORE AND MOS MEMORY VOLTAGE RAILS AND MEMORY PARITY CONTROL SIGNALS INSTEAD OF BUS GRANT AND SOME GND SIGNALS THAT ARE CONTAINED IN STANDARD UNIBUS SLOTS.

REV. 1
C. DD11-D-00007 A
B. BERNSTEIN
1/1/75

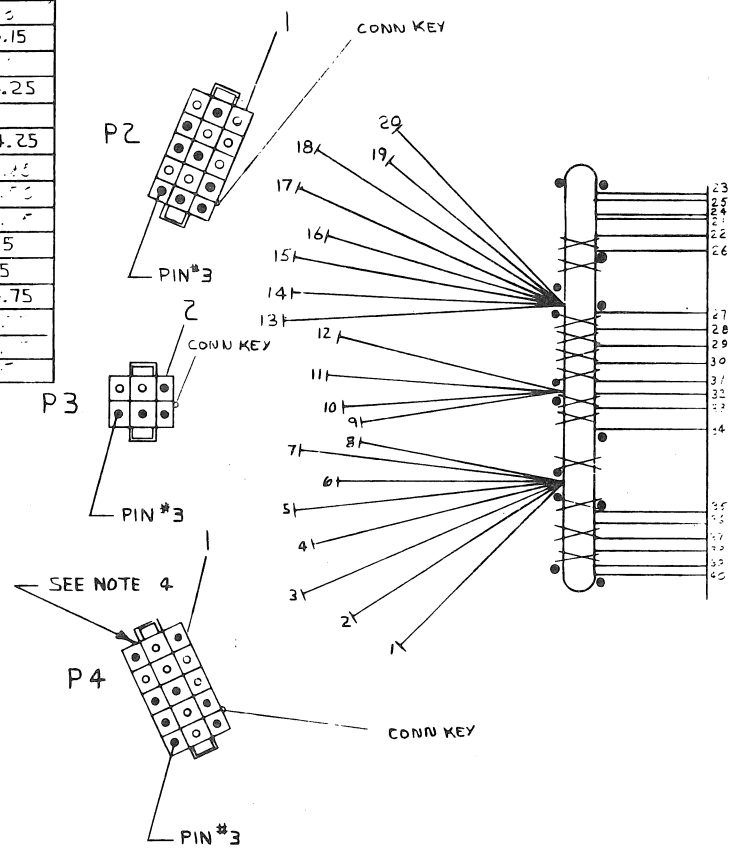
THIRD ANGLE PROJECTION		DESCRIPTION		DWG./PART NO.		ITEM NO.	
REMOVE BURRS AND BREAK SHARP CORNERS		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		CLASS OF ACCURACY		NOMINAL DIMENSION RANGE INCHES	
DO NOT SCALE DWG		QUANTITY & VARIATION		CHECK ONE		SURFACE QUALITY IN	
MATERIAL		FINISH		MICROINCHES		PREFERRED	
SCALE		SHEET		OF		DIST.	
DRN. 7/28/75		4/28/75		FIRST USED ON		digital	
CHK'D. 5/21/75		5/21/75		TITLE		MODULE UTILIZATION (DD11-D)	
ENG. 5/28/75		5/28/75		PROJ. ENG. 5/28/75		PROD. 6/18/75	
NEXT HIGHER ASSY.		B-DD-DD11-D		SIZE CODE		NUMBER	
D MU		DD11-D-2		REV.		A	

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- NOTES:
1. USE TIE WRAPS (X) ITEM#4 AT BREAKOUT POINTS SHOWN
 2. DOT (•) INDICATES NAIL LOCATION FOR ASS'Y USE ONLY. COVER NAILS WITH SHINK TUBING TO PREVENT CUTTING HARNESS.
 3. WIRE LENGTH TOLERANCES WILL BE $\pm 1/8$, ± 0 INCHES.
 4. ALL CONN. SHOWN FROM WIRING SIDE.

WIRING TABLE

ITEM NO.	DESCRIPTION		FROM			TO		SIGNAL	LENGTH
	AWG	COLOR	POINT	CONNECTION	WITH	POINT	CONNECTION		
9	#18	BLUE	1	P4-13	3	26	SOLDER	-15V	7
5	14	RED	2	P4-4		37		+5V	5
5	14	RED	3	P4-1		38		+5V	5
6	14	BLK	4	P4-8		21		GND	7.75
7	14	ORN	5	P4-3		35		+20V	5
6	14	BLK	6	P4-9		22		GND	5
13	18	WHT	7	P4-6		28		+15B	6.15
14	18	GRN	8	P4-15		29		-15B	
12	18	YEL	9	P3-4		33		ACLO	4.25
6	14	BLK	10	P3-1		23		GND	
10	18	BRN	11	P3-2		34		LTC	4.25
11	18	VIO	12	P3-3		32		DCLD	4.25
5	14	RED	13	P2-4		39		+5V	5
5	14	RED	14	P2-1		40		+5V	5
10	18	BRN	15	P2-14		31		-5V	5
6	14	BLK	16	P2-8		24		GND	5
8	18	GREY	17	P2-2		27		+15	4.75
7	14	ORN	18	P2-3		36		+20	
6	14	BLK	19	P2-9		25		GND	
5	14	RED	20	P2-12	3	30	SOLDER	+5B	



DO NOT REDUCE
SCALE
FOR MANUFACTURING PURPOSES ONLY

FOR WIRE LENGTHS
SEE WIRING TABLE

1	POWER HARNESS DECALS	7409872-2-0	15
A/R	WIRE #18 AWG, GRN	9107360-55	14
A/R	WIRE #18 AWG, WHT	9107360-99	13
A/R	WIRE #18 AWG, YEL	9107360-44	12
A/R	WIRE #18 AWG, VIO	9107360-77	11
A/R	WIRE #18 AWG, BRN	9107360-11	10
A/R	WIRE #18 AWG, BLUE	9107360-66	7
A/R	WIRE #18 AWG, GREY	9107360-88	8
A/R	WIRE #14 AWG, ORN	9107370-33	7
A/R	WIRE #14 AWG, BLK	9107370-00	6
A/R	WIRE #14 AWG, RED	9107370-22	5
12	TIE WRAP	90070 31	4
20	PIN MALE	1209378-01	3
1	CONN. 6 PIN HOUSING	1209351-06	2
2	CONN. 15 PIN HOUSING	1209351-15	1

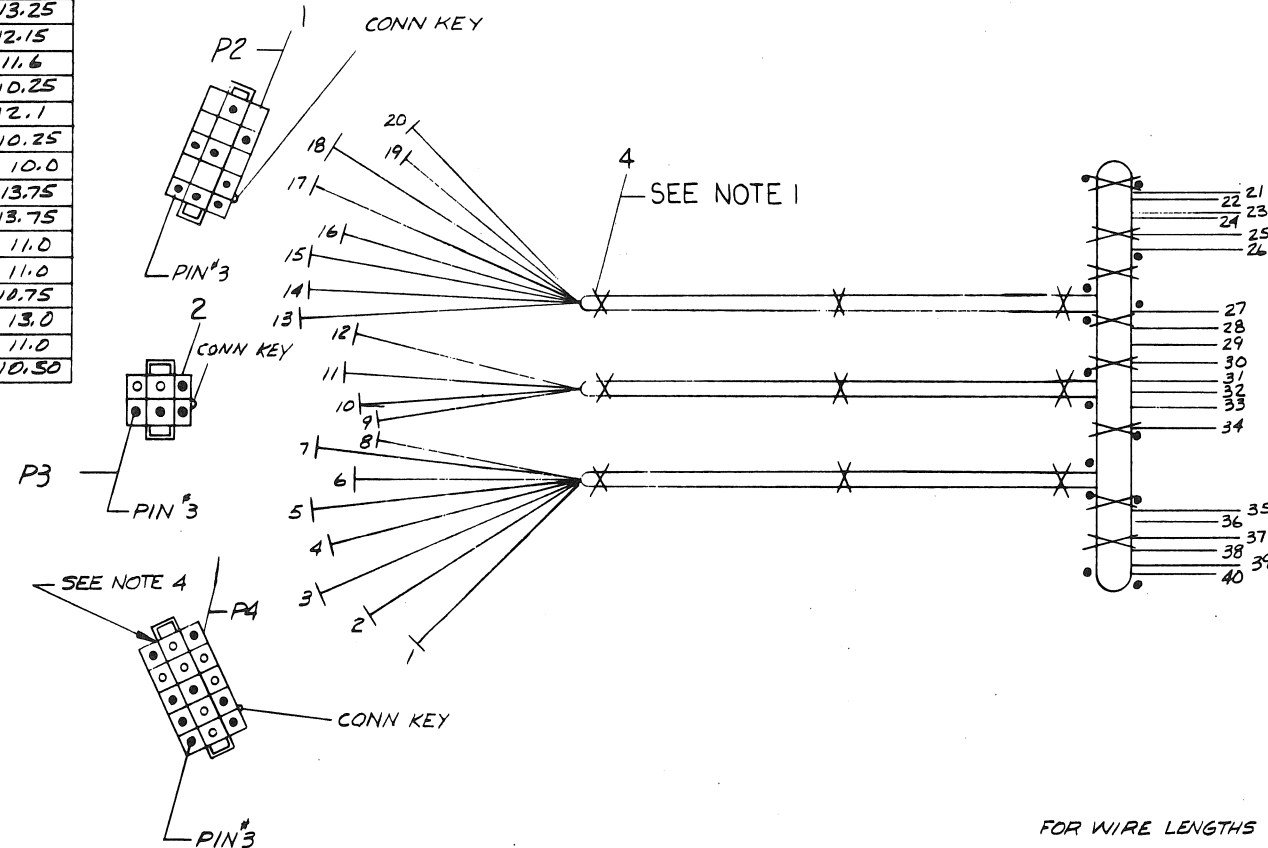
QUANTITY & VARIATION	DESCRIPTION	DWG. PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLES 30° 30'			
CLASS OF ACCURACY CHECK ONE			
SURFACE QUALITY IN			
MICROMETERS			
PREFERRED			
THIRD ANGLE PROJECTION			
REMOVE BURRS AND BREAK SHARP CORNERS			
DO NOT SCALE DWG			
MATERIAL SEE PARTS LIST			
FINISH			
DRN. 8/11/75			
CHK'D. 5/2/75			
ENG. 5/2/75			
PROJ. ENG. 5/26/75			
PROD. 6/18/75			
NEXT HIGHER ASSY.			
C-AD-7011104-0-0			
SCALE 1/1			
SHEET OF 1			
FIRST USED ON DD11-D			
TITLE			
POWER HARNESS (BA1-K, BA1-L)			
SIZE CODE			
NUMBER			
REV. B			
DIA 7011108-0-0			
DIST.			

REVISIONS	CHANGE NO.	REV.
1	7011108-00001	A
2	7011108-00002	B
3	7011108-00003	C
4	7011108-00004	D
5	7011108-00005	E
6	7011108-00006	F
7	7011108-00007	G
8	7011108-00008	H
9	7011108-00009	I
10	7011108-00010	J
11	7011108-00011	K
12	7011108-00012	L
13	7011108-00013	M
14	7011108-00014	N
15	7011108-00015	O
16	7011108-00016	P
17	7011108-00017	Q
18	7011108-00018	R
19	7011108-00019	S
20	7011108-00020	T
21	7011108-00021	U
22	7011108-00022	V
23	7011108-00023	W
24	7011108-00024	X
25	7011108-00025	Y
26	7011108-00026	Z
27	7011108-00027	AA
28	7011108-00028	AB
29	7011108-00029	AC
30	7011108-00030	AD
31	7011108-00031	AE
32	7011108-00032	AF
33	7011108-00033	AG
34	7011108-00034	AH
35	7011108-00035	AI
36	7011108-00036	AJ
37	7011108-00037	AK
38	7011108-00038	AL
39	7011108-00039	AM
40	7011108-00040	AN
41	7011108-00041	AO
42	7011108-00042	AP
43	7011108-00043	AQ
44	7011108-00044	AR
45	7011108-00045	AS
46	7011108-00046	AT
47	7011108-00047	AU
48	7011108-00048	AV
49	7011108-00049	AW
50	7011108-00050	AX
51	7011108-00051	AY
52	7011108-00052	AZ
53	7011108-00053	BA
54	7011108-00054	BB
55	7011108-00055	BC
56	7011108-00056	BD
57	7011108-00057	BE
58	7011108-00058	BF
59	7011108-00059	BG
60	7011108-00060	BH
61	7011108-00061	BI
62	7011108-00062	BJ
63	7011108-00063	BK
64	7011108-00064	BL
65	7011108-00065	BM
66	7011108-00066	BN
67	7011108-00067	BO
68	7011108-00068	BP
69	7011108-00069	BQ
70	7011108-00070	BR
71	7011108-00071	BS
72	7011108-00072	BT
73	7011108-00073	BU
74	7011108-00074	BV
75	7011108-00075	BW
76	7011108-00076	BX
77	7011108-00077	BY
78	7011108-00078	BZ
79	7011108-00079	CA
80	7011108-00080	CB
81	7011108-00081	CC
82	7011108-00082	CD
83	7011108-00083	CE
84	7011108-00084	CF
85	7011108-00085	CG
86	7011108-00086	CH
87	7011108-00087	CI
88	7011108-00088	CJ
89	7011108-00089	CK
90	7011108-00090	CL
91	7011108-00091	CM
92	7011108-00092	CN
93	7011108-00093	CO
94	7011108-00094	CP
95	7011108-00095	CQ
96	7011108-00096	CR
97	7011108-00097	CS
98	7011108-00098	CT
99	7011108-00099	CU
100	7011108-00100	CV

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WIRING TABLE

ITEM NO	DESCRIPTION		FROM			TO		SIGNAL	LENGTH
	AWG	COLOR	POINT	CONNECTION	WITH	POINT	CONNECTION		
9	18	BLU	1	P4-13	3	26	SOLDER	-15V	12.75
5	14	RED	2	P4-4		37		+5V	11
5	14	RED	3	P4-1		38		+5V	11.25
6	14	BLK	4	P4-8		21		GND	13.75
7	14	ORN	5	P4-3		35		+20V	11.0
6	14	BLK	6	P4-9		22		GND	13.25
13	18	WHT	7	P4-6		28		+15B	12.15
14	18	GRN	8	P4-15		29		-15B	11.6
12	18	YEL	9	P3-4		33		ACLO	10.25
6	14	BLK	10	P3-1		23		GND	12.1
10	18	BRN	11	P3-2		34		LTC	10.25
11	18	VID	12	P3-3		32		DELO	10.0
5	14	RED	13	P2-4		39		+5V	13.75
5	14	RED	14	P2-1		40		+5V	13.75
15	14	BRN	15	P2-14		31		-5V	11.0
6	14	BLK	16	P2-8		24		GND	11.0
8	18	GRY	17	P2-2		27		+15	10.75
7	14	ORN	18	P2-3		36		+20	13.0
6	14	BLK	19	P2-9		25		GND	11.0
5	14	RED	20	P2-10	3	30	SOLDER	+5B	10.50



NOTES:

1. USE TIE WRAPS (X) ITEM #4 AT BREAKOUT POINTS SHOWN.
2. DOT (•) INDICATES NAIL LOCATION FOR ASSY USE ONLY. COVER NAILS WITH SHRINK TUBING.
3. WIRE LENGTH TOL WILL BE $\pm .12$ IN
4. ALL CONN SHOWN FROM WIRING SIDE.
5. STRIP $\frac{1}{8}$ " INSULATION FROM POINTS 21 THRU 40 AND FULL TIN POINTS 21 THRU 40.

1	POWER HARNESS DECAL	7409872-2	16
AIR	WIRE #14 AWG (BRN)	9107370-11	15
AIR	WIRE #18 AWG (GRN)	9107360-55	14
AIR	WIRE #18 AWG (WHT)	9107360-99	13
AIR	WIRE #18 AWG (YEL)	9107360-44	12
AIR	WIRE #18 AWG (VID)	9107360-77	11
AIR	WIRE #18 AWG (BRN)	9107360-11	10
AIR	WIRE #18 AWG (BLU)	9107360-66	9
AIR	WIRE #18 AWG (GRY)	9107360-88	8
AIR	WIRE #14 AWG (ORN)	9107370-33	7
AIR	WIRE #14 AWG (BLK)	9107370-00	6
AIR	WIRE #14 AWG (RED)	9107370-22	5
17	TIE WRAP	9007031	4
20	PIN MALE	1209378-01	3
1	CONN 6 PIN HOUSING	1209351-06	2
2	CONN 15 PIN HOUSING	1209351-15	1

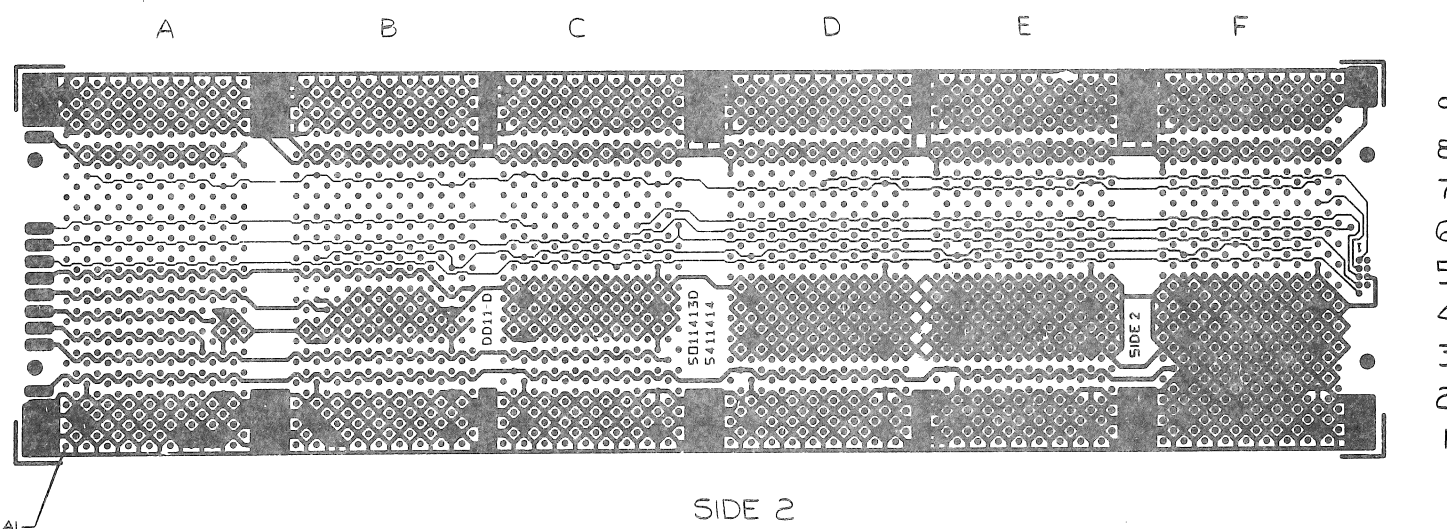
FOR WIRE LENGTHS
SEE WIRING TABLE

DO NOT REDUCE
SCALE
6 IN
12 IN
FOR MANUFACTURING PURPOSES ONLY

REV	CHANGE NO.	DATE	BY	CHK
A	1	10/11/77	P. BARRY	P. BARRY
B	2	11/13/77	P. BARRY	P. BARRY
C	3	12/15/77	P. BARRY	P. BARRY
D	4	12/15/77	P. BARRY	P. BARRY
E	5	12/15/77	P. BARRY	P. BARRY
F	6	12/15/77	P. BARRY	P. BARRY
G	7	12/15/77	P. BARRY	P. BARRY
H	8	12/15/77	P. BARRY	P. BARRY
I	9	12/15/77	P. BARRY	P. BARRY
J	10	12/15/77	P. BARRY	P. BARRY
K	11	12/15/77	P. BARRY	P. BARRY
L	12	12/15/77	P. BARRY	P. BARRY
M	13	12/15/77	P. BARRY	P. BARRY
N	14	12/15/77	P. BARRY	P. BARRY
O	15	12/15/77	P. BARRY	P. BARRY
P	16	12/15/77	P. BARRY	P. BARRY
Q	17	12/15/77	P. BARRY	P. BARRY
R	18	12/15/77	P. BARRY	P. BARRY
S	19	12/15/77	P. BARRY	P. BARRY
T	20	12/15/77	P. BARRY	P. BARRY
U	21	12/15/77	P. BARRY	P. BARRY
V	22	12/15/77	P. BARRY	P. BARRY
W	23	12/15/77	P. BARRY	P. BARRY
X	24	12/15/77	P. BARRY	P. BARRY
Y	25	12/15/77	P. BARRY	P. BARRY
Z	26	12/15/77	P. BARRY	P. BARRY
AA	27	12/15/77	P. BARRY	P. BARRY
AB	28	12/15/77	P. BARRY	P. BARRY
AC	29	12/15/77	P. BARRY	P. BARRY
AD	30	12/15/77	P. BARRY	P. BARRY
AE	31	12/15/77	P. BARRY	P. BARRY
AF	32	12/15/77	P. BARRY	P. BARRY
AG	33	12/15/77	P. BARRY	P. BARRY
AH	34	12/15/77	P. BARRY	P. BARRY
AI	35	12/15/77	P. BARRY	P. BARRY
AJ	36	12/15/77	P. BARRY	P. BARRY
AK	37	12/15/77	P. BARRY	P. BARRY
AL	38	12/15/77	P. BARRY	P. BARRY
AM	39	12/15/77	P. BARRY	P. BARRY
AN	40	12/15/77	P. BARRY	P. BARRY

THIRD ANGLE PROJECTION	DRN: 11/13/77	FIRST USED ON	DD11-DF, PF
REMOVE BURRS AND BREAK SHARP CORNERS	CHK'D: 12/15/77	TITLE	POWER HARNESS (BA11-F)
DO NOT SCALE DWG	ENG: 12/15/77	SIZE	D
MATERIAL SEE PARTS LIST	PROJ. ENG: 12/15/77	CODE	IA
FINISH	PROD. 12/15/77	NUMBER	7011109-0-0
		REV.	B
		SHEET	1 OF 1
		DIST.	

NOTES:



REF		AWT REV STATUS	A-WT-70115B-O	5
REF		MODULE ECO HISTORY	B-MN-5411414-O-6	4
REF		ASSY/DRILLING HOLE LAYOUT	D-AH-5411414-O-5	3
REF		X-Y COORDINATE HOLE LOCATION	K-CO-5411414-O-4	2
1		ETCHED CIRCUIT BOARD	5011413	1
QTY	REF. DESIGNATION	DESCRIPTION	PART NO.	ITEM NO.

FIRST USED ON OPTION MODEL		PARTS LIST	
DD11-D		ETCH BOARD REV. ☐ D	
		DRN. <i>J. Phillon</i> CHK'D. <i>D. Neely</i> ENG. <i>RT Bangs</i> PROJ. ENG. <i>RT Bangs</i> PROD. DATE <i>5/6/75</i> DATE <i>5/9/75</i> DATE <i>5/26/75</i> DATE <i>5/26/75</i> DATE	
		TITLE CIRCUIT SCHEMATIC	
		NEXT HIGHER ASSY C-1A-7011157-0-0	
DEC NO.		EIA NO.	
DEC NO.		EIA NO.	
SEMICONDUCTOR CONVERSION CHART		SCALE 1/1 SHEET OF 1	
		SIZE CODE D CS	
		NUMBER 5411414-0-1	
		REV. D	

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DIGITAL EQUIP. CORP.

NOTES

1. ALL REV. ASSEMBLIES OF THE DDII-D ARE ELECTRICALLY THE SAME AS THIS RUN LIST BUT THE POINT TO POINT ROUTING OF A GIVEN WIRE TO ALL ITS ASSOCIATED PINS MAY BE DIFFERENT.

REVISIONS		
CHK	CHANGE NO.	REV.
RB	DDIID - 00004	B

DEC FORM NO

FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.		
DDII-D							
PARTS LIST							
DRN.	<i>A. Thullen</i>	DATE	5/21/75	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE WIRE LIST DDII-D			
CHK'D.	<i>P. J. Kelly</i>	DATE	5/28/75				
ENG.	<i>Richard Barry</i>	DATE	5/28/75				
PROJ. ENG.	<i>Richard Barry</i>	DATE	5/28/75				
PROD.	<i>R.K. Peterson</i>	DATE	6/12/75				
NEXT HIGHER ASSEMBLY							
B-DD-DDII-D							
SCALE			SIZE	CODE	NUMBER		
			K	WL	DDII-D-1		
SHEET / OF /			DIST.		REV.		
					B		

9100	PAGE 1	
NC LENGTH EXCEPTIONS		RUN
FLAG		NUMBER

DD110,B
RUN NAME

WRAPD ,V35(102)=1 03-JUN-77
A/P PIN ORDER BAY = Q DRAW RV RG Y X Z
NAME PIN ORDER OPT

7-JUL-78

9100 PAGE 2
NC LENGTH EXCEPTIONS
FLAG RUN
NUMBER

+5V	A01A2	1-01 *	P						2			1		3
+5V	A02A2	1-02 *	P						1			1		3
+5V	A03A2	1-03 *	P						2			1		3
+5V	A04A2	1-04 *	P						1			1		3
+5V	A05A2	1-05 *	P						2			1		3
+5V	A06A2	1-06 *	P						1			1		3
+5V	A07A2	1-07 *	P						2			1		3
+5V	A08A2	1-08 *	P						1			1		3
+5V	A09A2	1-09 *	P						2			3-2/8		3
+5V	B09A2	1-10 *	P						1			1		3
+5V	B08A2	1-11 *	P						2			1		3
+5V	B07A2	1-12 *	P						1			1		3
+5V	B06A2	1-13 *	P						2			1		3
+5V	B05A2	1-14 *	P						1			1		3
+5V	B04A2	1-15 *	P						2			1		3
+5V	B03A2	1-16 *	P						1			1		3
+5V	B02A2	1-17 *	P						2			1		3
+5V	B01A2	1-18 *	P						1			3		3
+5V	C01A2	1-19 *	P						2			1		3
+5V	C02A2	1-20 *	P						1			1		3
+5V	C03A2	1-21 *	P						2			1		3
+5V	C04A2	1-22 *	P						1			1		3
+5V	C05A2	1-23 *	P						2			1		3
+5V	C06A2	1-24 *	P						1			1		3
+5V	C07A2	1-25 *	P						2			1		3
+5V	C08A2	1-26 *	P						1			1		3
+5V	C09A2	1-27 *	P						2			3-2/8		3
+5V	D09A2	1-28 *	P						1			1		3
+5V	D08A2	1-29 *	P						2			1		3
+5V	D07A2	1-30 *	P						1			1		3
+5V	D06A2	1-31 *	P						2			1		3
+5V	D05A2	1-32 *	P						1			1		3
+5V	D04A2	1-33 *	P						2			1		3
+5V	D03A2	1-34 *	P						1			1		3
+5V	D02A2	1-35 *	P						2			1		3
+5V	D01A2	1-36 *	P						1			3		3
+5V	E01A2	1-37 *	P						2			1		3
+5V	E02A2	1-38 *	P						1			1		3
+5V	E03A2	1-39 *	P						2			1		3
+5V	E04A2	1-40 *	P						1			1		3
+5V	E05A2	1-41 *	P						2			1		3
+5V	E06A2	1-42 *	P						1			1		3
+5V	E07A2	1-43 *	P						2			1		3
+5V	E08A2	1-44 *	P						1			1		3
+5V	E09A2	1-45 *	P						2			3-2/8		3
+5V	F09A2	1-46 *	P						1			1		3
+5V	F08A2	1-47 *	P						2			1		3
+5V	F07A2	1-48 *	P						1			1		3
+5V	F06A2	1-49 *	P						2			1		3
+5V	F05A2	1-50 *	P						1			1		3
+5V	F04A2	1-51 *	P						2			1		3
+5V	F03A2	1-52 *	P						1			1		3
+5V	F02A2	1-53 *	P						2			1		3
+5V	F01A2	1-54 *	X						1					3
+5V												63-6/8		

RUN
 NUMBER

1
1
1
1
1
1
1
1
3-2/8
1
1
1
1
1
1
1
1
3
1
1
1
1
1
1
1
1
3-2/8
1
1
1
1
1
1
1
41-4/8

2
1
2
1
2
1

1-01 *
1-02 *
1

1-01 *
1-02 *
1

11

3-7/8
3-7/8
3-7/8
3-7/8

6
6
6
7
7
7

DD11D,B
RUN NAME

WRAPD ,V35(102)=1 03-JUN-77
A/P PIN ORDER BAY = 0 DRAW RV RG Y X Z
NAME PIN ORDER OPT

7-JUL-78

9100 PAGE 4
NC LENGTH EXCEPTIONS
FLAG

RUN
NUMBER

A BR OUT
A BR OUT
A BR OUT
A BR OUT

D01J2 1-01 *
F01P1 1-02 *
F01U2 1-03 *
1

1
2

6-5/8
1
7-5/8

8
8
8
8

A IN
A IN
A IN

D01H1 1-01 *
E01M1 1-02 *
1

1

3-4/8
3-4/8
3-4/8

9
9
9

A INT A
A INT A
A INT A

D01N1 1-01 *
F01U1 1-02 *
1

1

6-3/8
6-3/8
6-3/8

10
10
10

A INT B
A INT B
A INT B

C01J1 1-01 *
F01K2 1-02 *
1

1

8-5/8
8-5/8
8-5/8

11
11
11

A INT ENB A
A INT ENB A
A INT ENB A

D01M1 1-01 *
F01V1 1-02 *
1

1

6-5/8
6-5/8
6-5/8

12
12
12

A INT ENB B
A INT ENB B
A INT ENB B

C01L1 1-01 *
F01H2 1-02 *
1

1

8-1/8
8-1/8
8-1/8

13
13
13

A OUT HIGP
A OUT HIGP
A OUT HIGP

D01K1 1-01 *
E01M2 1-02 *
1

1

3-3/8
3-3/8
3-3/8

14
14
14

A OUT LOW
A OUT LOW
A OUT LOW

D01D1 1-01 *
E01N1 1-02 *
1

1

4
4-0/8
4-0/8

15
15
15

A SEL 0
A SEL 0
A SEL 0

D01F1 1-01 *
E01S2 1-02 *
1

1

4-1/8
4-1/8
4-1/8

16
16
16

A SEL 4
A SEL 4
A SEL 4

D01E1 1-01 *
E01R2 1-02 *
1

1

4-3/8
4-3/8
4-3/8

17
17
17

A SEL 6
A SEL 6
A SEL 6

D01C1 1-01 *
E01S1 1-02 *
1

1

4-4/8
4-4/8
4-4/8

18
18
18

A SER 2
A SER 2
A SER 2

D01J1 1-01 *
E01T2 1-02 *
1

1

4-1/8
4-1/8
4-1/8

19
19
19

A SSYN IN H
A SSYN IN H
A SSYN IN H

D01V1 1-01 *
E01B1 1-02 *
1

1

1
1-0/8
1-0/8

20
20
20

DD110, H		WRAPD , V35(102)-1		03-JUN-77		7-JUL-78		9:00		PAGE 5		RUN						
RUN NAME		A/P	PIN	ORDER	BAY -	Q	DRAW	RV	RG	Y	X	Z	REMARKS	NC	LENGTH	EXCEPTIONS	FLAG	NUMBER
			NAME	PIN	ORDER		OPT											
AC	LO L		B01F1		1-01 *	P						1			1			21
AC	LO L		B02F1		1-02 *	P						2			1			21
AC	LO L		B03F1		1-03 *	P						1			1			21
AC	LO L		B04F1		1-04 *							2			1			21
AC	LO L		B05F1		1-05 *	P						2			1			21
AC	LO L		B06F1		1-06 *	P						1			1			21
AC	LO L		B07F1		1-07 *	P						2			1			21
AC	LO L		B08F1		1-08 *	P						1			1			21
AC	LO L		B09F1		1-09 *							1			4-4/8			21
AC	LO L		C09V1		1-10 *	P						1			1			21
AC	LO L		C08V1		1-11 *	P						2			1			21
AC	LO L		C07V1		1-12 *	P						1			1			21
AC	LO L		C06V1		1-13 *	P						2			1			21
AC	LO L		C05V1		1-14 *	P						1			1			21
AC	LO L		C04V1		1-15 *	P						2			1			21
AC	LO L		C03V1		1-16 *	P						1			1			21
AC	LO L		C02V1		1-17 *	P						2			1			21
AC	LO L		C01V1		1-18 *													21
AC	LO L				1										20-4/8			21
B	BG IN		D02U2		1-01 *							1			3-7/8			22
B	BG IN		F02B1		1-02 *													22
B	BG IN				1										3-7/8			22
B	BG OUT		D02V2		1-01 *							1			3-7/8			23
B	BG OUT		F02A1		1-02 *													23
B	BG OUT				1										3-7/8			23
B	BR OUT		D02J2		1-01 *							1			6-5/8			24
B	BR OUT		F02P1		1-02 *							2			1			24
B	BR OUT		F02U2		1-03 *													24
B	BR OUT				1										7-5/8			24
B	IN		D02H1		1-01 *							1			3-4/8			25
B	IN		E02M1		1-02 *													25
B	IN				1										3-4/8			25
B	INT A		D02N1		1-01 *							1			6-3/8			26
B	INT A		F02U1		1-02 *													26
B	INT A				1										6-3/8			26
B	INT B		C02J1		1-01 *							1			8-5/8			27
B	INT B		F02K2		1-02 *													27
B	INT B				1										8-5/8			27
B	INT ENB A		D02M1		1-01 *							1			6-5/8			28
B	INT ENB A		F02V1		1-02 *													28
B	INT ENB A				1										6-5/8			28
B	INT ENB B		C02L1		1-01 *							1			8-1/8			29
B	INT ENB B		F02H2		1-02 *													29
B	INT ENB B				1										8-1/8			29
B	OUT HIGP		D02K1		1-01 *							1			3-3/8			30
B	OUT HIGP		E02M2		1-02 *													30
B	OUT HIGP				1										3-3/8			30

**RUN
NUMBER**

RUN
 NUMBER

[illegible]

4141

42
42
42

43
43
43

45
45
45

46
46
46

47
47
47



49
49
49

DD110,6
RUN NAME

WRAPD ,V35(102)-1 03-JUN-77
A/P PIN ORDER BAY = Q DRAW RV HG Y X Z
NAME PIN ORDER OPT

7-JUL-78

9100 PAGE 8
NC LENGTH EXCEPTIONS
FLAG

RUN
NUMBER

BG4 L	B09E2	1-01 *	H			1	TW	7-1/8	50
BG4 L	D09T2	1-02 *	X						50
BG4 L		1						7-1/8	50
BG5 A	B01B1	1-01 *	H			1	TW	7-1/8	51
BG5 A	D01P2	1-02 *	X						51
BG5 A		1						7-1/8	51
BG5 B	D01R2	1-01 *	P			1		0-5/8	52
BG5 B	D02P2	1-02 *	X						52
BG5 B		1						0-5/8	52
BG5 C	D02R2	1-01 *	P			1		0-5/8	53
BG5 C	D03P2	1-02 *	X						53
BG5 C		1						0-5/8	53
BG5 D	D03R2	1-01 *	P			1		0-5/8	54
BG5 D	D04P2	1-02 *	X						54
BG5 D		1						0-5/8	54
BG5 E	D04R2	1-01 *	P			1		0-5/8	55
BG5 E	D05P2	1-02 *	X						55
BG5 E		1						0-5/8	55
BG5 F	D05R2	1-01 *	P			1		0-5/8	56
BG5 F	D06P2	1-02 *	X						56
BG5 F		1						0-5/8	56
BG5 H	D06R2	1-01 *	P			1		0-5/8	57
BG5 H	D07P2	1-02 *	X						57
BG5 H		1						0-5/8	57
BG5 J	D07R2	1-01 *	P			1		0-5/8	58
BG5 J	D08P2	1-02 *	X						58
BG5 J		1						0-5/8	58
BG5 K	D08R2	1-01 *	P			1		0-5/8	59
BG5 K	D09P2	1-02 *	X						59
BG5 K		1						0-5/8	59
BG5 L	B09B1	1-01 *	H			1	TW	7-3/8	60
BG5 L	D09R2	1-02 *	X						60
BG5 L		1						7-3/8	60
BG6 A	B01A1	1-01 *	H			1	TW	7-1/8	61
BG6 A	D01M2	1-02 *	X						61
BG6 A		1						7-1/8	61
BG6 B	D01N2	1-01 *	P			1		0-5/8	62
BG6 B	D02M2	1-02 *	X						62
BG6 B		1						0-5/8	62
BG6 C	D02N2	1-01 *	P			1		0-5/8	63
BG6 C	D03M2	1-02 *	X						63
BG6 C		1						0-5/8	63

DP11D,B RUN NAME	WRAPD .V35(102)=1 A/P PIN NAME	03-JUN-77 ORDER PIN	BAY = ORDER	Q	DRAW OPT	RV RG Y	X	Z	REMARKS	7-JUL-78	9:00 NC LENGTH FLAG	PAGE 9 EXCEPTIONS	RUN NUMBER
BG6 D	D03N2	1-01 *	P					1			0-5/8		64
BG6 D	D04M2	1-02 *	X										64
BG6 D		1									0-5/8		64
BG6 E	D04N2	1-01 *	P					1			0-5/8		65
BG6 E	D05M2	1-02 *	X										65
BG6 E		1									0-5/8		65
BG6 F	D05N2	1-01 *	P					1			0-5/8		66
BG6 F	D06M2	1-02 *	X										66
BG6 F		1									0-5/8		66
BG6 H	D06N2	1-01 *	P					1			0-5/8		67
BG6 H	D07M2	1-02 *	X										67
BG6 H		1									0-5/8		67
BG6 J	D07N2	1-01 *	P					1			0-5/8		68
BG6 J	D08M2	1-02 *	X										68
BG6 J		1									0-5/8		68
BG6 K	D08N2	1-01 *	P					1			0-5/8		69
BG6 K	D09M2	1-02 *	X										69
BG6 K		1									0-5/8		69
BG6 L	B09A1	1-01 *	H					1	TW		7-3/8		70
BG6 L	D09N2	1-02 *	X										70
BG6 L		1									7-3/8		70
BG7 A	A01V1	1-01 *	H					1	TW		7-3/8		71
BG7 A	D01K2	1-02 *	X										71
BG7 A		1									7-3/8		71
BG7 B	D01L2	1-01 *	P					1			0-5/8		72
BG7 B	D02K2	1-02 *	X										72
BG7 B		1									0-5/8		72
BG7 C	D02L2	1-01 *	P					1			0-5/8		73
BG7 C	D03K2	1-02 *	X										73
BG7 C		1									0-5/8		73
BG7 D	D03L2	1-01 *	P					1			0-5/8		74
BG7 D	D04K2	1-02 *	X										74
BG7 D		1									0-5/8		74
BG7 E	D04L2	1-01 *	P					1			0-5/8		75
BG7 E	D05K2	1-02 *	X										75
BG7 E		1									0-5/8		75
BG7 F	D05L2	1-01 *	P					1			0-5/8		76
BG7 F	D06K2	1-02 *	X										76
BG7 F		1									0-5/8		76
BG7 H	D06L2	1-01 *	P					1			0-5/8		77
BG7 H	D07K2	1-02 *	X										77
BG7 H		1									0-5/8		77

DD110, B RUN NAME	WRAPD ,V35(102)=1 A/P PIN NAME	03-JUN-77 ORDER PIN ORDER	BAY = Q DRAW RV RG Y X Z OPT	REMARKS	7-JUL-78	9100 NC LENGTH FLAG	PAGE 10 EXCEPTIONS	RUN NUMBER
BG7 J	D07L2	1-01 *	P			0-5/8		78
BG7 J	D08K2	1-02 *	X					78
BG7 J		1				0-5/8		78
BG7 K	D08L2	1-01 *	P			0-5/8		79
BG7 K	D09K2	1-02 *	X					79
BG7 K		1				0-5/8		79
BG7 L	A09V1	1-01 *	H		TW	7-5/8		80
BG7 L	D09L2	1-02 *	X					80
BG7 L		1				7-5/8		80
BR4 L	B09D2	1-01 *				1		81
BR4 L	B08D2	1-02 *				1		81
BR4 L	B07C2	1-03 *				1		81
BR4 L	B06D2	1-04 *				1		81
BR4 L	B05D2	1-05 *				1		81
BR4 L	B04D2	1-06 *				1		81
BR4 L	B03D2	1-07 *				1		81
BR4 L	B02D2	1-08 *				1		81
BR4 L	B01D2	1-09 *				0-1/8		81
BR4 L	D01H2	1-10 *	P			1		81
BR4 L	D02H2	1-11 *	P			1		81
BR4 L	D03H2	1-12 *	P			1		81
BR4 L	D04H2	1-13 *	P			1		81
BR4 L	D05H2	1-14 *	P			1		81
BR4 L	D06H2	1-15 *	P			1		81
BR4 L	D07H2	1-16 *	P			1		81
BR4 L	D08H2	1-17 *	P			1		81
BR4 L	D09H2	1-18 *						81
BR4 L		1				22-1/8		81
BR5 L	D09F2	1-01 *	P			1		82
BR5 L	D08F2	1-02 *	P			1		82
BR5 L	D07F2	1-03 *	P			1		82
BR5 L	D06F2	1-04 *	P			1		82
BR5 L	D05F2	1-05 *	P			1		82
BR5 L	D04F2	1-06 *	P			1-4/8		82
BR5 L	D02F2	1-07 *	P			1		82
BR5 L	D01F2	1-08 *	P			1-4/8		82
BR5 L	D03F2	1-09 *				0-3/8		82
BR5 L	B03C1	1-10 *	P			1-4/8		82
BR5 L	B01C1	1-11 *	P			1		82
BR5 L	B02C1	1-12 *	P			1-4/8		82
BR5 L	B04C1	1-13 *				1		82
BR5 L	B05C1	1-14 *	P			1		82
BR5 L	B06C1	1-15 *	P			1		82
BR5 L	B07C1	1-16 *	P			1		82
BR5 L	B08C1	1-17 *	P			1		82
BR5 L	B09C1	1-18 *						82
BR5 L		1				24-3/8		82

RUN
 NUMBER

[illegible][illegible]

DD110.B			WRAPD ,V35(102)=1	03-JUN-77									7-JUL-78	PAGE 12	RUN
RUN NAME	A/P	PIN	ORDER PIN	BAY - Q ORDER	DRAW OPT	RV	RG	Y	X	Z	REMARKS	9100 NC LENGTH FLAG	EXCEPTIONS	NUMBER	
BUS A00 L		B01H2	1-01 *	P						2		1		85	
BUS A00 L		B02H2	1-02 *	P						1		1		85	
BUS A00 L		B03H2	1-03 *	P						2		1		85	
BUS A00 L		B04H2	1-04 *							1		1		85	
BUS A00 L		B05H2	1-05 *	P						1		1		85	
BUS A00 L		B06H2	1-06 *	P						2		1		85	
BUS A00 L		B07H2	1-07 *	P						1		1		85	
BUS A00 L		B08H2	1-08 *	P						2		1		85	
BUS A00 L		B09H2	1-09 *							1		0-2/0		85	
BUS A00 L		E09H2	1-10 *							2		1		85	
BUS A00 L		E08H2	1-11 *							1		1		85	
BUS A00 L		E07H2	1-12 *							2		1		85	
BUS A00 L		E06H2	1-13 *							1		1		85	
BUS A00 L		E05H2	1-14 *							2		1		85	
BUS A00 L		E04H2	1-15 *							1		1		85	
BUS A00 L		E03H2	1-16 *							2		1		85	
BUS A00 L		E02H2	1-17 *							1		1		85	
BUS A00 L		E01H2	1-18 *											85	
BUS A00 L			1									24-2/0		85	
BUS A01 L		B01H1	1-01 *	P						2		1		86	
BUS A01 L		B02H1	1-02 *	P						1		1		86	
BUS A01 L		B03H1	1-03 *	P						2		1		86	
BUS A01 L		B04H1	1-04 *							1		1		86	
BUS A01 L		B05H1	1-05 *	P						1		1		86	
BUS A01 L		B06H1	1-06 *	P						2		1		86	
BUS A01 L		B07H1	1-07 *	P						1		1		86	
BUS A01 L		B08H1	1-08 *	P						2		1		86	
BUS A01 L		B09H1	1-09 *							1		0-2/0		86	
BUS A01 L		E09H1	1-10 *	P						2		1		86	
BUS A01 L		E08H1	1-11 *	P						1		1		86	
BUS A01 L		E07H1	1-12 *	P						2		1		86	
BUS A01 L		E06H1	1-13 *	P						1		1		86	
BUS A01 L		E05H1	1-14 *	P						2		1		86	
BUS A01 L		E04H1	1-15 *	P						1		1		86	
BUS A01 L		E03H1	1-16 *	P						2		1		86	
BUS A01 L		E02H1	1-17 *	P						1		1		86	
BUS A01 L		E01H1	1-18 *											86	
BUS A01 L			1									24-2/0		86	

RUN
 NUMBER

1
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1-4/8
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9-1/8
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26-5/8

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1
1-4/8
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4-5/8
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1-4/8
1
1
1
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1
1
26-5/8

**RUN
NUMBER**

[illegible][illegible]

DD110.8 RUN NAME	WRAPD .V35(102)=1 A/P PIN NAME	03-JUN-77 ORDER PIN	BAY - Q ORDER	DRAW RV RG Y OPT	X Z	REMARKS	7-JUL-78 9100 NC LENGTH EXCEPTIONS FLAG	PAGE 15 RUN NUMBER
BUS A06 L	B01L2	1-01 *	P		2		1	91
BUS A06 L	B02L2	1-02 *	P		1		1	91
BUS A06 L	B03L2	1-03 *	P		2		1	91
BUS A06 L	B04L2	1-04 *			1		1	91
BUS A06 L	B05L2	1-05 *	P		1		1	91
BUS A06 L	B06L2	1-06 *	P		2		1	91
BUS A06 L	B07L2	1-07 *	P		1		1-4/8	91
BUS A06 L	B09L2	1-08 *	P		2		1	91
BUS A06 L	B08L2	1-09 *			2		9-3/8	91
BUS A06 L	E08U1	1-10 *	P		1		1	91
BUS A06 L	E09U1	1-11 *	P		2		1-4/8	91
BUS A06 L	E07U1	1-12 *	P		2		1	91
BUS A06 L	E06U1	1-13 *	P		1		1	91
BUS A06 L	E05U1	1-14 *	P		2		1	91
BUS A06 L	E04U1	1-15 *	P		1		1	91
BUS A06 L	E03U1	1-16 *	P		2		1	91
BUS A06 L	E02U1	1-17 *	P		1		1	91
BUS A06 L	E01U1	1-18 *						91
BUS A06 L		1					26-3/8	91
BUS A07 L	B01L1	1-01 *	P		1		1	92
BUS A07 L	B02L1	1-02 *	P		2		1	92
BUS A07 L	B03L1	1-03 *	P		1		1	92
BUS A07 L	B04L1	1-04 *			2		1	92
BUS A07 L	B05L1	1-05 *	P		2		1	92
BUS A07 L	B06L1	1-06 *	P		1		1	92
BUS A07 L	B07L1	1-07 *	P		2		1-4/8	92
BUS A07 L	B09L1	1-08 *	P		2		1	92
BUS A07 L	B08L1	1-09 *			1		8-5/8	92
BUS A07 L	E08P2	1-10 *	P		2		1	92
BUS A07 L	E09P2	1-11 *	P		1		1-4/8	92
BUS A07 L	E07P2	1-12 *	P		1		1	92
BUS A07 L	E06P2	1-13 *	P		2		1	92
BUS A07 L	E05P2	1-14 *	P		1		1	92
BUS A07 L	E04P2	1-15 *	P		2		1	92
BUS A07 L	E03P2	1-16 *	P		1		1	92
BUS A07 L	E02P2	1-17 *	P		2		1	92
BUS A07 L	E01P2	1-18 *						92
BUS A07 L		1					25-5/8	92

DD11D.B RUN NAME	WRAP .V35(102)=1 A/P PIN NAME	03-JUN-77 ORDER PIN ORDER	BAY - Q DRAW RV RG Y OPT	X	Z	REMARKS	7-JUL-78 9100 NC LENGTH EXCEPTIONS FLAG	PAGE 16 RUN NUMBER
BUS A00 L	B01M2	1-01 *	P		1		1	93
BUS A00 L	B02M2	1-02 *	P		2		1	93
BUS A00 L	B03M2	1-03 *	P		1		1	93
BUS A00 L	B04M2	1-04 *			2		1	93
BUS A00 L	B05M2	1-05 *	P		2		1	93
BUS A00 L	B06M2	1-06 *	P		1		1-4/8	93
BUS A00 L	B08M2	1-07 *	P		1		1	93
BUS A00 L	B09M2	1-08 *	P		2		1-4/8	93
BUS A00 L	B07M2	1-09 *			2		8-3/8	93
BUS A00 L	E07N2	1-10 *	P		1		1-4/8	93
BUS A00 L	E09N2	1-11 *	P		1		1	93
BUS A00 L	E08N2	1-12 *	P		2		1-4/8	93
BUS A00 L	E06N2	1-13 *	P		2		1	93
BUS A00 L	E05N2	1-14 *	P		1		1	93
BUS A00 L	E04N2	1-15 *	P		2		1	93
BUS A00 L	E03N2	1-16 *	P		1		1	93
BUS A00 L	E02N2	1-17 *	P		2		1	93
BUS A00 L	E01N2	1-18 *						93
BUS A00 L		1					26-3/8	93
BUS A09 L	B01M1	1-01 *	P		1		1	94
BUS A09 L	B02M1	1-02 *	P		2		1	94
BUS A09 L	B03M1	1-03 *	P		1		1	94
BUS A09 L	B04M1	1-04 *			2		1	94
BUS A09 L	B05M1	1-05 *	P		2		1	94
BUS A09 L	B06M1	1-06 *	P		1		1-4/6	94
BUS A09 L	B08M1	1-07 *	P		1		1	94
BUS A09 L	B09M1	1-08 *	P		2		1-4/8	94
BUS A09 L	B07M1	1-09 *			2		8-5/8	94
BUS A09 L	E07R1	1-10 *	P		1		1-4/8	94
BUS A09 L	E09R1	1-11 *	P		1		1	94
BUS A09 L	E08R1	1-12 *	P		2		1-4/8	94
BUS A09 L	E06R1	1-13 *	P		2		1	94
BUS A09 L	E05R1	1-14 *	P		1		1	94
BUS A09 L	E04R1	1-15 *	P		2		1	94
BUS A09 L	E03R1	1-16 *	P		1		1	94
BUS A09 L	E02R1	1-17 *	P		2		1	94
BUS A09 L	E01R1	1-18 *						94
BUS A09 L		1					26-5/8	94

RUN
 NUMBER

95

96

DD11D.B		WRAPD .V35(102)-1		03-JUN-77		7-JUL-78		9100		PAGE 18		RUN				
RUN NAME		A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC FLAG	LENGTH EXCEPTIONS	NUMBER
BUS	A12 L		B01P2		1-01 *	P						2			1	97
BUS	A12 L		B02P2		1-02 *	P						1			1	97
BUS	A12 L		B03P2		1-03 *	P						2			1	97
BUS	A12 L		B04P2		1-04 *							1			1	97
BUS	A12 L		B05P2		1-05 *	P						1			1	97
BUS	A12 L		B06P2		1-06 *	P						2			1-4/8	97
BUS	A12 L		B08P2		1-07 *	P						2			1	97
BUS	A12 L		B09P2		1-08 *	P						2			1-4/8	97
BUS	A12 L		B07P2		1-09 *							1			7-1/8	97
BUS	A12 L		E07C1		1-10 *	P						2			1-4/8	97
BUS	A12 L		E09C1		1-11 *	P						2			1	97
BUS	A12 L		E08C1		1-12 *	P						1			1-4/8	97
BUS	A12 L		E06C1		1-13 *	P						1			1	97
BUS	A12 L		E05C1		1-14 *	P						2			1	97
BUS	A12 L		E04C1		1-15 *	P						1			1	97
BUS	A12 L		E03C1		1-16 *	P						2			1	97
BUS	A12 L		E02C1		1-17 *	P						1			1	97
BUS	A12 L		E01C1		1-18 *											97
BUS	A12 L				1										25-1/8	97
BUS	A13 L		B01P1		1-01 *	P						1			1	98
BUS	A13 L		B02P1		1-02 *	P						2			1	98
BUS	A13 L		B03P1		1-03 *	P						1			1	98
BUS	A13 L		B04P1		1-04 *							2			1	98
BUS	A13 L		B05P1		1-05 *	P						2			1-4/8	98
BUS	A13 L		B07P1		1-06 *	P						2			1	98
BUS	A13 L		B08P1		1-07 *	P						1			1	98
BUS	A13 L		B09P1		1-08 *	P						2			2	98
BUS	A13 L		B06P1		1-09 *							1			7-7/8	98
BUS	A13 L		E06K2		1-10 *	P						2			2	98
BUS	A13 L		E09K2		1-11 *	P						1			1	98
BUS	A13 L		E08K2		1-12 *	P						2			1	98
BUS	A13 L		E07K2		1-13 *	P						1			1-4/8	98
BUS	A13 L		E05K2		1-14 *	P						1			1	98
BUS	A13 L		E04K2		1-15 *	P						2			1	98
BUS	A13 L		E03K2		1-16 *	P						1			1	98
BUS	A13 L		E02K2		1-17 *	P						2			1	98
BUS	A13 L		E01K2		1-18 *											98
BUS	A13 L				1										26-7/8	98

DD110.B
RUN NAME

WRAPD .V35(102)-1 03-JUN-77
A/P PIN ORDER BAY - Q
NAME PIN ORDER

DRAW RV HG Y X Z
OPT

REMARKS

7-341-78

9100 PAGE 19
NC LENGTH EXCEPTIONS
FLAG

**RUN
NUMBER**

[illegible]

B01R2
B02R2
B03R2
B04R2
B05R2
B07R2
B08R2
B09R2
B06R2
E06K1
E09K1
E08K1
E07K1
E05K1
E04K1
E03K1
E02K1
E01K1

1-01	*	P
1-02	*	P
1-03	*	P
1-04	*	
1-05	*	P
1-06	*	P
1-07	*	P
1-08	*	P
1-09	*	
1-10	*	P
1-11	*	P
1-12	*	P
1-13	*	P
1-14	*	P
1-15	*	P
1-16	*	P
1-17	*	P
1-18	*	
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26-7/8

[illegible][illegible]

B01R1
B02R1
B03R1
B04R1
B05R1
B06F1
B07R1
B08R1
B09R1
E09D2
E08D2
E07D2
E06D2
E05D2
E04D2
E03D2
E02D2
E01D2

1-01	*	P
1-02	*	P
1-03	*	P
1-04	*	
1-05	*	P
1-06	*	P
1-07	*	P
1-08	*	P
1-09	*	
1-10	*	
1-11	*	
1-12	*	
1-13	*	
1-14	*	
1-15	*	
1-16	*	
1-17	*	
1-18	*	
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23-1/8

[illegible]

RUN
NUMBER

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7-3/0
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23-3/0

1-01	*	P
1-02	*	P
1-03	*	P
1-04	*	P
1-05	*	P
1-06	*	P
1-07	*	P
1-08	*	P
1-09	*	
1-10	*	P
1-11	*	P
1-12	*	P
1-13	*	
1-14	*	P
1-15	*	P
1-16	*	P
1-17	*	P
1-18	*	
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23-0/0

BUS D02 L	F09E2	1-01 *	P	1		1	105
BUS D02 L	F08E2	1-02 *	P	2		1	105
BUS D02 L	F07E2	1-03 *	P	1		1	105
BUS D02 L	F06E2	1-04 *	P	2		1-4/8	105
BUS D02 L	F04E2	1-05 *	P	2		1	105
BUS D02 L	F03E2	1-06 *	P	1		1	105
BUS D02 L	F02E2	1-07 *	P	2		1	105
BUS D02 L	F01E2	1-08 *	P	1		2-4/8	105
BUS D02 L	F05E2	1-09 *		1		7	105
BUS D02 L	C05U2	1-10 *	P	1		2-4/8	105
BUS D02 L	C09U2	1-11 *	P	1		1	105
BUS D02 L	C08U2	1-12 *	P	2		1	105
BUS D02 L	C07U2	1-13 *	P	1		1	105
BUS D02 L	C06U2	1-14 *	P	2		1-4/8	105
BUS D02 L	C04U2	1-15 *	P	2		1	105
BUS D02 L	C03U2	1-16 *	P	1		1	105
BUS D02 L	C02U2	1-17 *	P	2		1	105
BUS D02 L	C01U2	1-18 *		1		7-3/8	105
BUS D02 L	A01D1	1-19 *	P	1		1	105
BUS D02 L	A02D1	1-20 *	P	2		1	105
BUS D02 L	A03D1	1-21 *	P	1		1	105
BUS D02 L	A04D1	1-22 *		2		1	105
BUS D02 L	A05D1	1-23 *	P	2		1	105
BUS D02 L	A06D1	1-24 *	P	1		1	105
BUS D02 L	A07D1	1-25 *	P	2		1	105
BUS D02 L	A08D1	1-26 *	P	1		1	105
BUS D02 L	A09D1	1-27 *					105
BUS D02 L						42-3/8	105

~ RUN
NUMBER

BUS D03 L	F09L1	1-01 *	P	1	1	106
BUS D03 L	F08L1	1-02 *	P	2	1	106
BUS D03 L	F07L1	1-03 *	P	1	1	106
BUS D03 L	F06L1	1-04 *	P	2	1-4/8	106
BUS D03 L	F04L1	1-05 *	P	2	1	106
BUS D03 L	F03L1	1-06 *	P	1	1	106
BUS D03 L	F02L1	1-07 *	P	2	1	106
BUS D03 L	F01L1	1-08 *	P	1	2-4/8	106
BUS D03 L	F05L1	1-09 *		1	7-7/8	106
BUS D03 L	C05T2	1-10 *	P	1	2-4/8	106
BUS D03 L	C09T2	1-11 *	P	1	1	106
BUS D03 L	C08T2	1-12 *	P	2	1	106
BUS D03 L	C07T2	1-13 *	P	1	1	106
BUS D03 L	C06T2	1-14 *	P	2	1-4/8	106
BUS D03 L	C04T2	1-15 *	P	2	1	106
BUS D03 L	C03T2	1-16 *	P	1	1	106
BUS D03 L	C02T2	1-17 *	P	2	1	106
BUS D03 L	C01T2	1-18 *		1	7-1/8	106
BUS D03 L	A01E2	1-19 *	P	1	1	106
BUS D03 L	A02E2	1-20 *	P	2	1	106
BUS D03 L	A03E2	1-21 *	P	1	1	106
BUS D03 L	A04E2	1-22 *		2	1	106
BUS D03 L	A05E2	1-23 *	P	2	1	106
BUS D03 L	A06E2	1-24 *	P	1	1	106
BUS D03 L	A07E2	1-25 *	P	2	1	106
BUS D03 L	A08E2	1-26 *	P	1	1	106
BUS D03 L	A09E2	1-27 *				106
BUS D03 L		1			43-0/8	106

DD110, H
RUN NAME

WRAPD ,V35(102)=1 03-JUN-77
A/P PIN ORDER BAY - G
NAME PIN ORDER

DRAW RV RG Y X Z
OPT

REMARKS

7-JUL-78

9100 PAGE 24
NC LENGTH EXCEPTIONS
FLAG

RUN
NUMBER

[illegible]

F09N2
F08N2
F07N2
F06N2
F04N2
F03N2
F02N2
F01N2
F05N2
C05N2
C09N2
C08N2
C07N2
C06N2
C04N2
C03N2
C01N2
C02N2
A02E1
A01E1
A03E1
A04E1
A05E1
A06E1
A07E1
A08E1
A09E1

1-01	*	P
1-02	*	P
1-03	*	P
1-04	*	P
1-05	*	P
1-06	*	P
1-07	*	P
1-08	*	P
1-09	*	
1-10	*	P
1-11	*	P
1-12	*	P
1-13	*	
1-14	*	P
1-15	*	P
1-16	*	P
1-17	*	P
1-18	*	
1-19	*	P
1-20	*	P
1-21	*	P
1-22	*	
1-23	*	P
1-24	*	P
1-25	*	P
1-26	*	P
1-27	*	
1		

1 2 1 2 2 1 2 1 1 1 1 2 1 2 2 1 1 2 2 1 2 1

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1-4/8
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6-7/8
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1-4/8
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44-3/8

[illegible]

RUN
NUMBER

1-01	*	P
1-02	*	P
1-03	*	P
1-04	*	P
1-05	*	
1-06	*	P
1-07	*	P
1-08	*	P
1-09	*	
1-10	*	P
1-11	*	P
1-12	*	P
1-13	*	P
1-14	*	P
1-15	*	P
1-16	*	P
1-17	*	P
1-18	*	
1-19	*	P
1-20	*	P
1-21	*	P
1-22	*	P
1-23	*	P
1-24	*	P
1-25	*	P
1-26	*	P
1-27	*	
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6-5/8
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1-4/8
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2-4/8
7-5/8
2-4/8
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1-4/8
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43-2/8

DD11D,H		WRAPD ,V35(102)=1 03-JUN=77										7-JUL-78		9100		PAGE 26			
RUN NAME		A/P	PIN NAME	ORDER PIN	RAY = ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	NC FLAG	LENGTH	EXCEPTIONS	RUN NUMBER		
BUS	D06 L		A09F1		1-01 *	P						2					109		
BUS	D06 L		A08F1		1-02 *	P						1					109		
BUS	D06 L		A07F1		1-03 *	P						2					109		
BUS	D06 L		A06F1		1-04 *	P						1					109		
BUS	D06 L		A05F1		1-05 *							2					109		
BUS	D06 L		A04F1		1-06 *	P						2					109		
BUS	D06 L		A03F1		1-07 *	P						1		1-4/8			109		
BUS	D06 L		A01F1		1-08 *	P						1					109		
BUS	D06 L		A02F1		1-09 *							2		7-3/8			109		
BUS	D06 L		C02V2		1-10 *	P						2					109		
BUS	D06 L		C01V2		1-11 *	P						1		1-4/8			109		
BUS	D06 L		C03V2		1-12 *	P						1					109		
BUS	D06 L		C04V2		1-13 *	P						2		1-4/8			109		
BUS	D06 L		C06V2		1-14 *	P						2					109		
BUS	D06 L		C07V2		1-15 *	P						1					109		
BUS	D06 L		C08V2		1-16 *	P						2					109		
BUS	D06 L		C09V2		1-17 *	P						1		2-4/8			109		
BUS	D06 L		C05V2		1-18 *							1		7			109		
BUS	D06 L		F05F2		1-19 *	P						1		2-4/8			109		
BUS	D06 L		F01F2		1-20 *	P						1					109		
BUS	D06 L		F02F2		1-21 *	P						2					109		
BUS	D06 L		F03F2		1-22 *	P						1					109		
BUS	D06 L		F04F2		1-23 *	P						2		1-4/8			109		
BUS	D06 L		F06F2		1-24 *	P						2					109		
BUS	D06 L		F07F2		1-25 *	P						1					109		
BUS	D06 L		F08F2		1-26 *	P						2					109		
BUS	D06 L		F09F2		1-27 *												109		
BUS	D06 L				1										43-3/8		109		

RUN
 NUMBER

BUS D07 L	A09H2	1-01 *	P	2	1	110
BUS D07 L	A08H2	1-02 *	P	1	1	110
BUS D07 L	A07H2	1-03 *	P	2	1	110
BUS D07 L	A06H2	1-04 *	P	1	1	110
BUS D07 L	A05H2	1-05 *		2	1	110
BUS D07 L	A04H2	1-06 *	P	2	1	110
BUS D07 L	A03H2	1-07 *	P	1	1-4/8	110
BUS D07 L	A01H2	1-08 *	P	1	1	110
BUS D07 L	A02H2	1-09 *		2	6-2/8	110
BUS D07 L	C02M2	1-10 *	P	2	1	110
BUS D07 L	C01M2	1-11 *	P	1	1-4/8	110
BUS D07 L	C03M2	1-12 *	P	1	1	110
BUS D07 L	C04M2	1-13 *	P	2	1-4/8	110
BUS D07 L	C06M2	1-14 *	P	2	1	110
BUS D07 L	C07M2	1-15 *	P	1	1	110
BUS D07 L	C08M2	1-16 *	P	2	1	110
BUS D07 L	C09M2	1-17 *	P	1	2-4/8	110
BUS D07 L	C05M2	1-18 *		1	8-1/8	110
BUS D07 L	F05H1	1-19 *	P	1	2-4/8	110
BUS D07 L	F01H1	1-20 *	P	1	1	110
BUS D07 L	F02H1	1-21 *	P	2	1	110
BUS D07 L	F03H1	1-22 *	P	1	1	110
BUS D07 L	F04H1	1-23 *	P	2	1-4/8	110
BUS D07 L	F06H1	1-24 *	P	2	1	110
BUS D07 L	F07H1	1-25 *	P	1	1	110
BUS D07 L	F08H1	1-26 *	P	2	1	110
BUS D07 L	F09H1	1-27 *				110
BUS D07 L		1			43-3/8	110

Device	Part Number	Quantity	Unit Price	Total Price
BUS D00 L	A09H1	1-01 *	P	2
BUS D00 L	A00H1	1-02 *	P	1
BUS D00 L	A07H1	1-03 *	P	2
BUS D00 L	A06H1	1-04 *	P	1
BUS D00 L	A05H1	1-05 *		2
BUS D00 L	A04H1	1-06 *	P	2
BUS D00 L	A03H1	1-07 *	P	1
BUS D00 L	A01H1	1-08 *	P	1
BUS D00 L	A02H1	1-09 *		2
BUS D00 L	C02L2	1-10 *	P	2
BUS D00 L	C01L2	1-11 *	P	1
BUS D00 L	C03L2	1-12 *	P	1
BUS D00 L	C04L2	1-13 *	P	2
BUS D00 L	C06L2	1-14 *	P	2
BUS D00 L	C07L2	1-15 *	P	1
BUS D00 L	C08L2	1-16 *	P	2
BUS D00 L	C09L2	1-17 *	P	1
BUS D00 L	C05L2	1-18 *		1
BUS D00 L	F05K1	1-19 *	P	1
BUS D00 L	F01K1	1-20 *	P	1
BUS D00 L	F02K1	1-21 *	P	2
BUS D00 L	F03K1	1-22 *	P	1
BUS D00 L	F04K1	1-23 *	P	2
BUS D00 L	F06K1	1-24 *	P	2
BUS D00 L	F07K1	1-25 *	P	1
BUS D00 L	F08K1	1-26 *	P	2
BUS D00 L	F09K1	1-27 *		
BUS D00 L		1		
BUS D09 L	A09J2	1-01 *	P	2
BUS D09 L	A00J2	1-02 *	P	2
BUS D09 L	A07J2	1-03 *	P	1
BUS D09 L	A06J2	1-04 *	P	2
BUS D09 L	A05J2	1-05 *		1
BUS D09 L	A04J2	1-06 *	P	1
BUS D09 L	A03J2	1-07 *	P	2
BUS D09 L	A01J2	1-08 *	P	2
BUS D09 L	A02J2	1-09 *		1
BUS D09 L	C02K2	1-10 *	P	1
BUS D09 L	C01K2	1-11 *	P	2
BUS D09 L	C03K2	1-12 *	P	2
BUS D09 L	C04K2	1-13 *	P	1
BUS D09 L	C05K2	1-14 *	P	2
BUS D09 L	C06K2	1-15 *	P	1
BUS D09 L	C07K2	1-16 *	P	2
BUS D09 L	C08K2	1-17 *	P	1
BUS D09 L	C09K2	1-18 *		
BUS D09 L		1		

**RUN
NUMBER**

UNIT	TYPE	DESCRIPTION	QTY	UNIT PRICE	TOTAL
BUS	D10 L	A09J1	1-01 *	P	2
BUS	D10 L	A08J1	1-02 *	P	1
BUS	D10 L	A07J1	1-03 *	P	2
BUS	D10 L	A06J1	1-04 *	P	1
BUS	D10 L	A05J1	1-05 *		2
BUS	D10 L	A04J1	1-06 *	P	2
BUS	D10 L	A03J1	1-07 *	P	1
BUS	D10 L	A01J1	1-08 *	P	1
BUS	D10 L	A02J1	1-09 *		2
BUS	D10 L	C02J2	1-10 *	P	2
BUS	D10 L	C01J2	1-11 *	P	1
BUS	D10 L	C03J2	1-12 *	P	1
BUS	D10 L	C04J2	1-13 *	P	2
BUS	D10 L	C05J2	1-14 *	P	1
BUS	D10 L	C06J2	1-15 *	P	2
BUS	D10 L	C07J2	1-16 *	P	1
BUS	D10 L	C08J2	1-17 *	P	2
BUS	D10 L	C09J2	1-18 *		1
BUS	D10 L				1
BUS	D11 L	A09K2	1-01 *	P	1
BUS	D11 L	A08K2	1-02 *	P	2
BUS	D11 L	A07K2	1-03 *	P	1
BUS	D11 L	A06K2	1-04 *	P	2
BUS	D11 L	A05K2	1-05 *		1
BUS	D11 L	A04K2	1-06 *	P	1
BUS	D11 L	A02K2	1-07 *	P	1
BUS	D11 L	A01K2	1-08 *	P	2
BUS	D11 L	A03K2	1-09 *		2
BUS	D11 L	C03H1	1-10 *	P	2
BUS	D11 L	C01H1	1-11 *	P	2
BUS	D11 L	C02H1	1-12 *	P	1
BUS	D11 L	C04H1	1-13 *	P	1
BUS	D11 L	C05H1	1-14 *	P	2
BUS	D11 L	C06H1	1-15 *	P	1
BUS	D11 L	C07H1	1-16 *	P	2
BUS	D11 L	C08H1	1-17 *	P	1
BUS	D11 L	C09H1	1-18 *		1
BUS	D11 L				1

							7-JUL-78								PAGE 30										
DDIIO.B						WRAPD ,V35(102)-1 03-JUN-77										9:00 NC LENGTH EXCEPTIONS RUN									
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY - ORDER	G	DRAW OPT	RV RG Y X Z	REMARKS										NF NUMBER							
BUS D12 L		A09K1		1-01 *	P													1	115						
BUS D12 L		A08K1		1-02 *	P													1	115						
BUS D12 L		A07K1		1-03 *	P													1	115						
BUS D12 L		A06K1		1-04 *	P													1	115						
BUS D12 L		A05K1		1-05 *														1	115						
BUS D12 L		A04K1		1-06 *	P													2	115						
BUS D12 L		A01K1		1-07 *	P													1	115						
BUS D12 L		A02K1		1-08 *	P													1	115						
BUS D12 L		A03K1		1-09 *														5-5/8	115						
BUS D12 L		C03H2		1-10 *	P													1-4/8	115						
BUS D12 L		C01H2		1-11 *	P													1	115						
BUS D12 L		C02H2		1-12 *	P													1-4/8	115						
BUS D12 L		C04H2		1-13 *	P													1	115						
BUS D12 L		C05H2		1-14 *	P													1	115						
BUS D12 L		C06H2		1-15 *	P													1	115						
BUS D12 L		C07H2		1-16 *	P													1	115						
BUS D12 L		C08H2		1-17 *	P													1	115						
BUS D12 L		C09H2		1-18 *															115						
BUS D12 L				1														23-5/8	115						
BUS D13 L		A09L2		1-01 *	P													1	116						
BUS D13 L		A08L2		1-02 *	P													1	116						
BUS D13 L		A07L2		1-03 *	P													1	116						
BUS D13 L		A06L2		1-04 *	P													1	116						
BUS D13 L		A05L2		1-05 *														1	116						
BUS D13 L		A04L2		1-06 *	P													1-4/8	116						
BUS D13 L		A02L2		1-07 *	P													1	116						
BUS D13 L		A01L2		1-08 *	P													1-4/8	116						
BUS D13 L		A03L2		1-09 *														5-2/8	116						
BUS D13 L		C03F2		1-10 *	P													1-4/8	116						
BUS D13 L		C01F2		1-11 *	P													1	116						
BUS D13 L		C02F2		1-12 *	P													1-4/8	116						
BUS D13 L		C04F2		1-13 *	P													1	116						
BUS D13 L		C05F2		1-14 *	P													1	116						
BUS D13 L		C06F2		1-15 *	P													1	116						
BUS D13 L		C07F2		1-16 *	P													1	116						
BUS D13 L		C08F2		1-17 *	P																				

RUN
 NUMBER

Device	Part	Code	Unit	QTY	Price	Total
BUS D14 L	A09L1	1-01 *	P	1	117	117
BUS D14 L	A08L1	1-02 *	P	1	117	117
BUS D14 L	A07L1	1-03 *	P	2	117	117
BUS D14 L	A06L1	1-04 *	P	1	117	117
BUS D14 L	A05L1	1-05 *		2	117	117
BUS D14 L	A04L1	1-06 *	P	2	117	117
BUS D14 L	A02L1	1-07 *	P	2	117	117
BUS D14 L	A01L1	1-08 *	P	1	117	117
BUS D14 L	A03L1	1-09 *		1	117	117
BUS D14 L	C03E2	1-10 *	P	1	117	117
BUS D14 L	C01E2	1-11 *	P	1	117	117
BUS D14 L	C02E2	1-12 *	P	2	117	117
BUS D14 L	C04E2	1-13 *	P	2	117	117
BUS D14 L	C05E2	1-14 *	P	1	117	117
BUS D14 L	C06E2	1-15 *	P	2	117	117
BUS D14 L	C07E2	1-16 *	P	1	117	117
BUS D14 L	C08E2	1-17 *	P	2	117	117
BUS D14 L	C09E2	1-18 *		1	117	117
BUS D15 L	A09M2	1-01 *	P	1	118	118
BUS D15 L	A08M2	1-02 *	P	1	118	118
BUS D15 L	A07M2	1-03 *	P	2	118	118
BUS D15 L	A06M2	1-04 *	P	1	118	118
BUS D15 L	A05M2	1-05 *		2	118	118
BUS D15 L	A04M2	1-06 *	P	2	118	118
BUS D15 L	A03M2	1-07 *	P	1	118	118
BUS D15 L	A02M2	1-08 *	P	2	118	118
BUS D15 L	A01M2	1-09 *		1	118	118
BUS D15 L	C01D2	1-10 *		2	118	118
BUS D15 L	C02D2	1-11 *		1	118	118
BUS D15 L	C03D2	1-12 *		2	118	118
BUS D15 L	C04D2	1-13 *		1	118	118
BUS D15 L	C05D2	1-14 *		2	118	118
BUS D15 L	C06D2	1-15 *		1	118	118
BUS D15 L	C07D2	1-16 *		2	118	118
BUS D15 L	C08D2	1-17 *		1	118	118
BUS D15 L	C09D2	1-18 *		1	118	118
C BG IN	D03U2	1-01 *		1	119	119
C BG IN	F03B1	1-02 *		1	119	119
C BG IN				1	119	119
C BG OUT	D03V2	1-01 *		1	120	120
C BG OUT	F03A1	1-02 *		1	120	120
C BG OUT				1	120	120
C BR OUT	D03J2	1-01 *		1	121	121
C BR OUT	F03P1	1-02 *		2	121	121
C BR OUT	F03U2	1-03 *		1	121	121
C BR OUT				1	121	121
C IN	D03H1	1-01 *		1	122	122
C IN	E03M1	1-02 *		1	122	122
C IN				1	122	122

DD11D.B
RUN NAME

WRAPD .V35(102)-1 03-JUN-77
A/P PIN ORDER DAY - 0 DRAW RV RG Y X Z
NAME PIN ORDER OPT

7-JUL-78

9100 PAGE 32
NC LENGTH EXCEPTIONS
FLAG

RUN
NUMBER

C INT A	D03N1	1-01 *	1	6-3/8	123
C INT A	F03U1	1-02 *			123
C INT A		1		6-3/8	123
C INT B	C03J1	1-01 *	1	8-5/8	124
C INT B	F03K2	1-02 *			124
C INT B		1		8-5/8	124
C INT ENB A	D03M1	1-01 *	1	6-5/8	125
C INT ENB A	F03V1	1-02 *			125
C INT ENB A		1		6-5/8	125
C INT ENB B	C03L1	1-01 *	1	8-1/8	126
C INT ENB B	F03H2	1-02 *			126
C INT ENB B		1		8-1/8	126
C OUT HIGP	D03K1	1-01 *	1	3-3/8	127
C OUT HIGP	E03M2	1-02 *			127
C OUT HIGP		1		3-3/8	127
C OUT LOW	D03D1	1-01 *	1	4	128
C OUT LOW	E03N1	1-02 *			128
C OUT LOW		1		4-0/8	128
C SEL 0	D03F1	1-01 *	1	4-1/8	129
C SEL 0	E03S2	1-02 *			129
C SEL 0		1		4-1/8	129
C SEL 4	D03E1	1-01 *	1	4-3/8	130
C SEL 4	E03R2	1-02 *			130
C SEL 4		1		4-3/8	130
C SEL 6	D03C1	1-01 *	1	4-4/8	131
C SEL 6	E03S1	1-02 *			131
C SEL 6		1		4-4/8	131
C SER 2	D03J1	1-01 *	1	4-1/8	132
C SER 2	E03T2	1-02 *			132
C SER 2		1		4-1/8	132
C SSYN IN H	D03V1	1-01 *	1	1	133
C SSYN IN H	E03B1	1-02 *			133
C SSYN IN H		1		1-0/8	133

RUN
 NUMBER

C0 L	B01U2	1-01 *		1	1	134
C0 L	B02U2	1-02 *		2	1	134
C0 L	B03U2	1-03 *		1	1	134
C0 L	B04U2	1-04 *		2	1	134
C0 L	B05U2	1-05 *		1	1	134
C0 L	B06U2	1-06 *		2	1	134
C0 L	B07U2	1-07 *		1	1	134
C0 L	B08U2	1-08 *		2	1	134
C0 L	B09U2	1-09 *		1	7-1/8	134
C0 L	E09J2	1-10 * P		1	1	134
C0 L	E08J2	1-11 * P		2	1	134
C0 L	E07J2	1-12 * P		1	1	134
C0 L	E06J2	1-13 * P		2	1	134
C0 L	E05J2	1-14 * P		1	1	134
C0 L	E04J2	1-15 * P		2	1	134
C0 L	E03J2	1-16 * P		1	1	134
C0 L	E02J2	1-17 * P		2	1	134
C0 L	E01J2	1-18 *				134
C0 L		1			23-1/8	134
C1 L	B01T2	1-01 *		2	1	135
C1 L	B02T2	1-02 *		1	1	135
C1 L	B03T2	1-03 *		2	1	135
C1 L	B04T2	1-04 *		1	1	135
C1 L	B05T2	1-05 *		2	1	135
C1 L	B06T2	1-06 *		1	1	135
C1 L	B07T2	1-07 *		2	1	135
C1 L	B08T2	1-08 *		1	1	135
C1 L	B09T2	1-09 *		2	7	135
C1 L	E09F2	1-10 * P		2	1	135
C1 L	E08F2	1-11 * P		1	1	135
C1 L	E07F2	1-12 * P		2	1	135
C1 L	E06F2	1-13 * P		1	1	135
C1 L	E05F2	1-14 * P		2	1	135
C1 L	E04F2	1-15 * P		1	1	135
C1 L	E03F2	1-16 * P		2	1	135
C1 L	E02F2	1-17 * P		1	1	135
C1 L	E01F2	1-18 *				135
C1 L		1			23-0/8	135
D BG IN	D04U2	1-01 *		1	3-7/8	136
D BG IN	F04B1	1-02 *				136
D BG IN		1			3-7/8	136
D BG OUT	D04V2	1-01 *		1	3-7/8	137
D BG OUT	F04A1	1-02 *				137
D BG OUT		1			3-7/8	137
D BR OUT	D04J2	1-01 *		1	6-5/8	138
D BR OUT	F04P1	1-02 *		2	1	138
D BR OUT	F04U2	1-03 *				138
D BR OUT		1			7-5/8	138
D IN	D04H1	1-01 *		1	3-4/8	139
D IN	E04M1	1-02 *				139
D IN		1			3-4/8	139

DDI1D,B
RUN NAME

WRAPD ,V35(102)-1 03-JUN-77
A/P PIN ORDER BAY - Q DRAW RV RG Y X Z
NAME PIN ORDER OPT

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NC LENGTH EXCEPTIONS
FLAG

RUN
NUMBER

D INT A	D04N1	1-01 *	1	6-3/8	140
D INT A	F04U1	1-02 *			140
D INT A		1		6-3/8	140
D INT B	C04J1	1-01 *	1	8-5/8	141
D INT B	F04K2	1-02 *			141
D INT B		1		8-5/8	141
D INT ENB A	D04M1	1-01 *	1	6-5/8	142
D INT ENB A	F04V1	1-02 *			142
D INT ENB A		1		6-5/8	142
D INT ENB B	C04L1	1-01 *	1	8-1/8	143
D INT ENB B	F04H2	1-02 *			143
D INT ENB B		1		8-1/8	143
D OUT HIGP	D04K1	1-01 *	1	3-3/8	144
D OUT HIGP	E04M2	1-02 *			144
D OUT HIGP		1		3-3/8	144
D OUT LOW	D04D1	1-01 *	1	4	145
D OUT LOW	E04N1	1-02 *			145
D OUT LOW		1		4-0/8	145
D SFL 0	D04F1	1-01 *	1	4-1/8	146
D SFL 0	E04S2	1-02 *			146
D SEL 0		1		4-1/8	146
D SEL 4	D04E1	1-01 *	1	4-3/8	147
D SEL 4	E04R2	1-02 *			147
D SEL 4		1		4-3/8	147
D SEL 6	D04C1	1-01 *	1	4-4/8	148
D SFL 6	E04S1	1-02 *			148
D SEL 6		1		4-4/8	148
D SER 2	D04J1	1-01 *	1	4-1/8	149
D SER 2	E04T2	1-02 *			149
D SER 2		1		4-1/8	149
D SSYN IN H	D04V1	1-01 *	1	1	150
D SSYN IN H	E04B1	1-02 *			150
D SSYN IN H		1		1-0/8	150

RUN
NUMBER

DC L	B01F2	1-01 *	P	2	151
DC L	B02F2	1-02 *	P	1	151
DC L	B03F2	1-03 *	P	2	151
DC L	B04F2	1-04 *		1	151
DC L	B05F2	1-05 *	P	1	151
DC L	B06F2	1-06 *	P	2	151
DC L	B07F2	1-07 *	P	1	151
DC L	B08F2	1-08 *	P	2	151
DC L	B09F2	1-09 *		1	3-7/8
DC L	C09N1	1-10 *	P	2	151
DC L	C08N1	1-11 *	P	1	151
DC L	C07N1	1-12 *	P	2	151
DC L	C06N1	1-13 *	P	1	151
DC L	C05N1	1-14 *	P	2	151
DC L	C04N1	1-15 *	P	1	151
DC L	C03N1	1-16 *	P	2	151
DC L	C02N1	1-17 *	P	1	151
DC L	C01N1	1-18 *			151
DC L		1			19-7/8
E BG IN	D05U2	1-01 *		1	3-7/8
E BG IN	F05B1	1-02 *			152
E BG IN		1			3-7/8
E BG OUT	D05V2	1-01 *		1	3-7/8
E BG OUT	F05A1	1-02 *			153
E BG OUT		1			3-7/8
E BR OUT	D05J2	1-01 *		1	6-5/8
E BR OUT	F05P1	1-02 *		2	1
E BR OUT	F05U2	1-03 *			154
E BR OUT		1			7-5/8
E IN	D05H1	1-01 *		1	3-4/8
E IN	E05M1	1-02 *			155
E IN		1			3-4/8
E INT A	D05N1	1-01 *		1	6-3/8
E INT A	F05U1	1-02 *			156
E INT A		1			6-3/8
E INT B	C05J1	1-01 *		1	8-5/8
E INT B	F05K2	1-02 *			157
E INT B		1			8-5/8
E INT ENB A	D05M1	1-01 *		1	6-5/8
E INT ENB A	F05V1	1-02 *			158
E INT ENB A		1			6-5/8
E INT ENB B	C05L1	1-01 *		1	8-1/8
E INT ENB B	F05H2	1-02 *			159
E INT ENB B		1			8-1/8
E OUT HIGP	D05K1	1-01 *		1	3-3/8
E OUT HIGP	E05M2	1-02 *			160
E OUT HIGP		1			3-3/8

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RUN NAME

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A/P FIN ORDER BAY - Q DRAW RV RG Y X Z
NAME PIN ORDER OPT

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NC LENGTH EXCEPTIONS
FLAG

RUN
NUMBER

E OUT LOW	D05D1	1-01 *	1	4	161
E OUT LOW	E05N1	1-02 *			161
E OUT LOW		1		4-0/8	161
E SEL W	D05F1	1-01 *	1	4-1/8	162
E SEL W	E0582	1-02 *			162
E SEL W		1		4-1/8	162
E SEL 4	D05E1	1-01 *	1	4-3/8	163
E SEL 4	E05R2	1-02 *			163
E SEL 4		1		4-3/8	163
E SEL 6	D05C1	1-01 *	1	4-4/8	164
E SEL 6	E0581	1-02 *			164
E SEL 6		1		4-4/8	164
E SER 2	D05J1	1-01 *	1	4-1/8	165
E SER 2	E05T2	1-02 *			165
E SER 2		1		4-1/8	165
E SSYN IN H	D05V1	1-01 *	1	1	166
E SSYN IN H	E05B1	1-02 *			166
E SSYN IN H		1		1-0/8	166
F BG IN	D06U2	1-01 *	1	3-7/8	167
F BG IN	F06B1	1-02 *			167
F BG IN		1		3-7/8	167
F BG OUT	D06V2	1-01 *	1	3-7/8	168
F BG OUT	F06A1	1-02 *			168
F BG OUT		1		3-7/8	168
F BR OUT	D06J2	1-01 *	1	6-5/8	169
F BR OUT	F06P1	1-02 *	2	1	169
F BR OUT	F06U2	1-03 *			169
F BR OUT		1		7-5/8	169
F IN	D06H1	1-01 *	1	3-4/8	170
F IN	E06M1	1-02 *			170
F IN		1		3-4/8	170
F INT A	D06N1	1-01 *	1	6-3/8	171
F INT A	F06U1	1-02 *			171
F INT A		1		6-3/8	171
F INT B	C06J1	1-01 *	1	8-5/8	172
F INT B	F06K2	1-02 *			172
F INT B		1		8-5/8	172
F INT ENB A	D06M1	1-01 *	1	6-5/8	173
F INT ENB A	F06V1	1-02 *			173
F INT ENB A		1		6-5/8	173

DDIID,B RUN NAME	WRAPD .V35(102)-1 A/P PIN NAME	03-JUN-77 ORDER PIN	BAY - Q ORDER	DRAW OPT	RV RG Y	X Z	REMARKS	7-JUL-78	9100 NC LENGTH FLAG	PAGE 37 EXCEPTIONS	RUN NUMBER
F INT ENB B	C06L1	1-01 *				1			0-1/0		174
F INT ENB B	F06H2	1-02 *									174
F INT ENB B		1							0-1/0		174
F OUT HIGP	D06K1	1-01 *				1			3-3/0		175
F OUT HIGP	E06M2	1-02 *									175
F OUT HIGP		1							3-3/0		175
F OUT LOW	D06N1	1-01 *				1			4		176
F OUT LOW	E06N1	1-02 *									176
F OUT LOW		1							4-0/0		176
F SEL 0	D06F1	1-01 *				1			4-1/0		177
F SEL 0	E06S2	1-02 *									177
F SEL 0		1							4-1/0		177
F SEL 4	D06E1	1-01 *				1			4-3/0		178
F SEL 4	E06R2	1-02 *									178
F SEL 4		1							4-3/0		178
F SEL 6	D06C1	1-01 *				1			4-4/0		179
F SEL 6	E06S1	1-02 *									179
F SEL 6		1							4-4/0		179
F SER 2	D06J1	1-01 *				1			4-1/0		180
F SER 2	E06T2	1-02 *									180
F SER 2		1							4-1/0		180
F SSYN IN H	D06V1	1-01 *				1			1		181
F SSYN IN H	E06B1	1-02 *									181
F SSYN IN H		1							1-0/0		181
F01D2	F01D2	1-01 *				2			1-0/0		182
F01D2	F01R2	1-02 *				1			0-4/0		182
F01D2	F01N1	1-03 *									182
F01D2		1							2-2/0		182
F01E1	F01E1	1-01 *				1			2-3/0		183
F01E1	F01V2	1-02 *									183
F01E1		1							2-3/0		183
F01L2	F01L2	1-01 *				1			1		184
F01L2	F01R1	1-02 *									184
F01L2		1							1-0/0		184
F01M2	F01M2	1-01 *				1			1		185
F01M2	F01S1	1-02 *									185
F01M2		1							1-0/0		185
F01P2	F01P2	1-01 *				1			0-4/0		186
F01P2	F01S2	1-02 *									186
F01P2		1							0-4/0		186

DD11D,8
RUN NAME

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A/P PIN ORDER BAY - Q DRAW RV RG Y X Z
NAME PIN ORDER OPT

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NC LENGTH EXCEPTIONS
FLAG

RUN
NUMBER

F02D2	F02D2	1-01 *	2	1-6/8	187
F02D2	F02R2	1-02 *	1	0-4/8	187
F02D2	F02N1	1-03 *			187
F02D2		1		2-2/8	187
F02E1	F02E1	1-01 *	1	2-3/8	188
F02E1	F02V2	1-02 *			188
F02E1		1		2-3/8	188
F02L2	F02L2	1-01 *	1	1	189
F02L2	F02R1	1-02 *			189
F02L2		1		1-0/8	189
F02M2	F02M2	1-01 *	1	1	190
F02M2	F02S1	1-02 *			190
F02M2		1		1-0/8	190
F02P2	F02P2	1-01 *	1	0-4/8	191
F02P2	F02S2	1-02 *			191
F02P2		1		0-4/8	191
F03D2	F03D2	1-01 *	2	1-6/8	192
F03D2	F03R2	1-02 *	1	0-4/8	192
F03D2	F03N1	1-03 *			192
F03D2		1		2-2/8	192
F03E1	F03E1	1-01 *	1	2-3/8	193
F03E1	F03V2	1-02 *			193
F03E1		1		2-3/8	193
F03L2	F03L2	1-01 *	1	1	194
F03L2	F03R1	1-02 *			194
F03L2		1		1-0/8	194
F03M2	F03M2	1-01 *	1	1	195
F03M2	F03S1	1-02 *			195
F03M2		1		1-0/8	195
F03P2	F03P2	1-01 *	1	0-4/8	196
F03P2	F03S2	1-02 *			196
F03P2		1		0-4/8	196
F04D2	F04D2	1-01 *	2	1-6/8	197
F04D2	F04R2	1-02 *	1	0-4/8	197
F04D2	F04N1	1-03 *			197
F04D2		1		2-2/8	197
F04E1	F04E1	1-01 *	1	2-3/8	198
F04E1	F04V2	1-02 *			198
F04E1		1		2-3/8	198
F04L2	F04L2	1-01 *	1	1	199
F04L2	F04R1	1-02 *			199
F04L2		1		1-0/8	199

DD110.B
RUN NAMEWRAPD .V35(102)-1 03-JUN-77
A/P PIN ORDER BAY - Q DRAW RV RG Y X Z
NAME PIN ORDER OPT

REMARKS

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NC LENGTH EXCEPTIONS
FLAGRUN
NUMBER

F04M2	F04M2	1-01 *		1		1	200
F04M2	F04S1	1-02 *					200
F04M2		1				1-0/0	200
F04P2	F04P2	1-01 *		1		0-4/0	201
F04P2	F04S2	1-02 *					201
F04P2		1				0-4/0	201
F05D2	F05D2	1-01 *		2		1-6/0	202
F05D2	F05R2	1-02 *		1		0-4/0	202
F05D2	F05N1	1-03 *					202
F05D2		1				2-2/0	202
F05E1	F05E1	1-01 *		1		2-3/0	203
F05E1	F05V2	1-02 *					203
F05E1		1				2-3/0	203
F05L2	F05L2	1-01 *		1		1	204
F05L2	F05R1	1-02 *					204
F05L2		1				1-0/0	204
F05M2	F05M2	1-01 *		1		1	205
F05M2	F05S1	1-02 *					205
F05M2		1				1-0/0	205
F05P2	F05P2	1-01 *		1		0-4/0	206
F05P2	F05S2	1-02 *					206
F05P2		1				0-4/0	206
F06D2	F06D2	1-01 *		2		1-6/0	207
F06D2	F06R2	1-02 *		1		0-4/0	207
F06D2	F06N1	1-03 *					207
F06D2		1				2-2/0	207
F06E1	F06E1	1-01 *		1		2-3/0	208
F06E1	F06V2	1-02 *					208
F06E1		1				2-3/0	208
F06L2	F06L2	1-01 *		1		1	209
F06L2	F06R1	1-02 *					209
F06L2		1				1-0/0	209
F06M2	F06M2	1-01 *		1		1	210
F06M2	F06S1	1-02 *					210
F06M2		1				1-0/0	210
F06P2	F06P2	1-01 *		1		0-4/0	211
F06P2	F06S2	1-02 *					211
F06P2		1				0-4/0	211
F07D2	F07D2	1-01 *		2		1-6/0	212
F07D2	F07R2	1-02 *		1		0-4/0	212
F07D2	F07N1	1-03 *					212
F07D2		1				2-2/0	212

DD11D,B
RUN NAME

WRAPD V35(102)-1 03-JUN-77
A/P PIN ORDER BAY - Q DRAW RV RG Y X Z
NAME PIN ORDER OPT

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NC LENGTH EXCEPTIONS
FLAG

RUN
NUMBER

F07E1
F07E1
F07E1

F07E1
F07V2

1-01 *
1-02 *
1

1

2-3/0

213

213

213

F07L2
F07L2
F07L2

F07L2
F07R1

1-01 *
1-02 *
1

1

1

214

214

214

F07M2
F07M2
F07M2

F07M2
F07S1

1-01 *
1-02 *
1

1

1

215

215

215

F07P2
F07P2
F07P2

F07P2
F07S2

1-01 *
1-02 *
1

1

0-4/0

216

216

216

F08D2
F08D2
F08D2
F08D2

F08D2
F08R2
F08N1

1-01 *
1-02 *
1-03 *
1

2

1

1-0/0

217

0-4/0

217

217

217

F08E1
F08E1
F08E1

F08E1
F08V2

1-01 *
1-02 *
1

1

2-3/0

218

218

218

F08L2
F08L2
F08L2

F08L2
F08R1

1-01 *
1-02 *
1

1

1

219

219

219

F08M2
F08M2
F08M2

F08M2
F08S1

1-01 *
1-02 *
1

1

1

220

220

220

F08P2
F08P2
F08P2

F08P2
F08S2

1-01 *
1-02 *
1

1

0-4/0

221

0-4/0

221

221

F09D2
F09D2
F09D2
F09D2

F09D2
F09R2
F09N1

1-01 *
1-02 *
1-03 *
1

2

1

1-0/0

222

0-4/0

222

222

222

F09E1
F09E1
F09E1

F09E1
F09V2

1-01 *
1-02 *
1

1

2-3/0

223

2-3/0

223

223

F09L2
F09L2
F09L2

F09L2
F09R1

1-01 *
1-02 *
1

1

1

224

224

224

F09M2
F09M2
F09M2

F09M2
F09S1

1-01 *
1-02 *
1

1

1

225

225

1-0/0

225

DD110.R
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A/P PIN ORDER BAY - Q DRAW RV RG Y X Z
NAME PIN ORDER OPT

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NC LENGTH EXCEPTIONS
FLAG

RUN
NUMBER

F09P2	F09P2	1-01 *							1		0-4/8	226
F09P2	F09S2	1-02 *										226
F09P2		1									0-4/8	226
GND (01)	A01C2	1-01 *	P						1		1	227
GND (01)	A02C2	1-02 *	P						2		1	227
GND (01)	A03C2	1-03 *	P						1		1	227
GND (01)	A04C2	1-04 *	P						2		1	227
GND (01)	A05C2	1-05 *	P						1		1	227
GND (01)	A06C2	1-06 *	P						2		1	227
GND (01)	A07C2	1-07 *	P						1		1	227
GND (01)	A08C2	1-08 *	P						2		1	227
GND (01)	A09C2	1-09 *	P						1		2-1/8	227
GND (01)	A09T1	1-10 *	P						2		1	227
GND (01)	A08T1	1-11 *	P						1		1	227
GND (01)	A07T1	1-12 *	P						2		1	227
GND (01)	A06T1	1-13 *	P						1		1	227
GND (01)	A05T1	1-14 *	P						2		1	227
GND (01)	A04T1	1-15 *	P						1		1	227
GND (01)	A03T1	1-16 *	P						2		1	227
GND (01)	A02T1	1-17 *	P						1		1	227
GND (01)	A01T1	1-18 *	P						2		1-5/8	227
GND (01)	B01C2	1-19 *	P						1		1	227
GND (01)	B02C2	1-20 *	P						2		1	227
GND (01)	B03C2	1-21 *	P						1		1	227
GND (01)	B04C2	1-22 *	P						2		1	227
GND (01)	B05C2	1-23 *	P						1		1	227
GND (01)	B06C2	1-24 *	P						2		1	227
GND (01)	B07C2	1-25 *	P						1		1	227
GND (01)	B08C2	1-26 *	P						2		1	227
GND (01)	B09C2	1-27 *	P						1		2-1/8	227
GND (01)	B09T1	1-28 *	P						2		1	227
GND (01)	B08T1	1-29 *	P						1		1	227
GND (01)	B07T1	1-30 *	P						2		1	227
GND (01)	B06T1	1-31 *	P						1		1	227
GND (01)	B05T1	1-32 *	P						2		1	227
GND (01)	B04T1	1-33 *	P						1		1	227
GND (01)	B03T1	1-34 *	P						2		1	227
GND (01)	B02T1	1-35 *	P						1		1	227
GND (01)	B01T1	1-36 *	P						2		1-3/8	227
GND (01)	C01C2	1-37 *	P						1		1	227
GND (01)	C02C2	1-38 *	P						2		1	227
GND (01)	C03C2	1-39 *	P						1		1	227
GND (01)	C04C2	1-40 *	P						2		1	227
GND (01)	C05C2	1-41 *	P						1		1	227
GND (01)	C06C2	1-42 *	P						2		1	227
GND (01)	C07C2	1-43 *	P						1		1	227
GND (01)	C08C2	1-44 *	P						2		1	227
GND (01)	C09C2	1-45 *	P						1		2-1/8	227
GND (01)	C09T1	1-46 *	P						2		1	227
GND (01)	C08T1	1-47 *	P						1		1	227
GND (01)	C07T1	1-48 *	P						2		1	227
GND (01)	C06T1	1-49 *	P						1		1	227
GND (01)	C05T1	1-50 *	P						2		1	227
GND (01)	C04T1	1-51 *	P						1		1	227
GND (01)	C03T1	1-52 *	P						2		1	227

DDI1D,B RUN NAME	WRAPD ,V35(102)-1 A/P PIN NAME	03-JUN-77 ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV RG Y	X	Z	REMARKS	7-JUL-78	9100 NC LENGTH FLAG	PAGE 42 EXCEPTIONS	RUN NUMBER
GND (01)	C02T1	1-53 *	P					1			1		227
GND (01)	C01T1	1-54 *	X										227
GND (01)		1									57-3/8		227
GND (02)	D01C2	1-01 *	P					1			1		228
GND (02)	D02C2	1-02 *	P					2			1		228
GND (02)	D03C2	1-03 *	P					1			1		228
GND (02)	D04C2	1-04 *	P					2			1		228
GND (02)	D05C2	1-05 *	P					1			1		228
GND (02)	D06C2	1-06 *	P					2			1		228
GND (02)	D07C2	1-07 *	P					1			1		228
GND (02)	D08C2	1-08 *	P					2			1		228
GND (02)	D09C2	1-09 *	P					1			2-1/8		228
GND (02)	D09T1	1-10 *	P					2			1		228
GND (02)	D08T1	1-11 *	P					1			1		228
GND (02)	D07T1	1-12 *	P					2			1		228
GND (02)	D06T1	1-13 *	P					1			1		228
GND (02)	D05T1	1-14 *	P					2			1		228
GND (02)	D04T1	1-15 *	P					1			1		228
GND (02)	D03T1	1-16 *	P					2			1		228
GND (02)	D02T1	1-17 *	P					1			1		228
GND (02)	D01T1	1-18 *	P					2			1-3/8		228
GND (02)	E01C2	1-19 *	P					1			1		228
GND (02)	E02C2	1-20 *	P					2			1		228
GND (02)	E03C2	1-21 *	P					1			1		228
GND (02)	E04C2	1-22 *	P					2			1		228
GND (02)	E05C2	1-23 *	P					1			1		228
GND (02)	E06C2	1-24 *	P					2			1		228
GND (02)	E07C2	1-25 *	P					1			1		228
GND (02)	E08C2	1-26 *	P					2			1		228
GND (02)	E09C2	1-27 *	P					1			2-1/8		228
GND (02)	E09T1	1-28 *	P					2			1		228
GND (02)	E08T1	1-29 *	P					1			1		228
GND (02)	E07T1	1-30 *	P					2			1		228
GND (02)	E06T1	1-31 *	P					1			1		228
GND (02)	E05T1	1-32 *	P					2			1		228
GND (02)	E04T1	1-33 *	P					1			1		228
GND (02)	E03T1	1-34 *	P					2			1		228
GND (02)	E02T1	1-35 *	P					1			1		228
GND (02)	E01T1	1-36 *	P					2			1-5/8		228
GND (02)	F01C2	1-37 *	P					1			1		228
GND (02)	F02C2	1-38 *	P					2			1		228
GND (02)	F03C2	1-39 *	P					1			1		228
GND (02)	F04C2	1-40 *	P					2			1		228
GND (02)	F05C2	1-41 *	P					1			1		228
GND (02)	F06C2	1-42 *	P					2			1		228
GND (02)	F07C2	1-43 *	P					1			1		228
GND (02)	F08C2	1-44 *	P					2			1		228
GND (02)	F09C2	1-45 *	P					1			2-1/8		228
GND (02)	F09T1	1-46 *	P					2			1		228
GND (02)	F08T1	1-47 *	P					1			1		228
GND (02)	F07T1	1-48 *	P					2			1		228
GND (02)	F06T1	1-49 *	P					1			1		228
GND (02)	F05T1	1-50 *	P					2			1		228
GND (02)	F04T1	1-51 *	P					1			1		228
GND (02)	F03T1	1-52 *	P					2			1		228

RUN
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DD11D,B
RUN NAME

WRAPD .V35(102)=1 03-JUN-77
A/P PIN ORDER DAY = Q DRAW RV RG Y X Z REMARKS
NAME PIN ORDER OPT

7-JUL-78

9100 PAGE 44
NC LENGTH EXCEPTIONS
FLAG

RUN
NUMBER

H IN	D07H1	1-01 *	1	3-4/8	233
H IN	E07M1	1-02 *			233
H IN		1		3-4/8	233
H INT A	D07N1	1-01 *	1	6-3/8	234
H INT A	F07U1	1-02 *			234
H INT A		1		6-3/8	234
H INT B	C07J1	1-01 *	1	8-5/8	235
H INT B	F07K2	1-02 *			235
H INT B		1		8-5/8	235
H INT ENB A	D07M1	1-01 *	1	6-5/8	236
H INT ENB A	F07V1	1-02 *			236
H INT ENB A		1		6-5/8	236
H INT ENB B	C07L1	1-01 *	1	8-1/8	237
H INT ENB B	F07H2	1-02 *			237
H INT ENB B		1		8-1/8	237
H OUT HIGP	D07K1	1-01 *	1	3-3/8	238
H OUT HIGP	E07M2	1-02 *			238
H OUT HIGP		1		3-3/8	238
H OUT LOW	D07D1	1-01 *	1	4	239
H OUT LOW	E07N1	1-02 *			239
H OUT LOW		1		4-0/8	239
H SEL 0	D07F1	1-01 *	1	4-1/8	240
H SEL 0	E07S2	1-02 *			240
H SEL 0		1		4-1/8	240
H SEL 4	D07E1	1-01 *	1	4-3/8	241
H SEL 4	E07R2	1-02 *			241
H SEL 4		1		4-3/8	241
H SEL 6	D07C1	1-01 *	1	4-4/8	242
H SEL 6	E07S1	1-02 *			242
H SEL 6		1		4-4/8	242
H SER 2	D07J1	1-01 *	1	4-1/8	243
H SER 2	E07T2	1-02 *			243
H SER 2		1		4-1/8	243
H SSYN IN H	D07V1	1-01 *	1	1	244
H SSYN IN H	E07B1	1-02 *			244
H SSYN IN H		1		1-0/8	244

RUN
 NUMBER

Instruction	Address	Op	Mode	Count	Label	PC	PC+1
HALT GRANT	C01R1	1-01	* P	2		1	245
HALT GRANT	C02R1	1-02	* P	1		1	245
HALT GRANT	C03R1	1-03	* P	2		1	245
HALT GRANT	C04R1	1-04	* P	1		1	245
HALT GRANT	C05R1	1-05	* P	2		1	245
HALT GRANT	C06R1	1-06	* P	1		1	245
HALT GRANT	C07R1	1-07	* P	2		1	245
HALT GRANT	C08R1	1-08	* P	1		1	245
HALT GRANT	C09R1	1-09	* X				245
HALT GRANT		1				8-0/8	245
HALT REQ	C01P1	1-01	* P	2		1	246
HALT REQ	C02P1	1-02	* P	1		1	246
HALT REQ	C03P1	1-03	* P	2		1	246
HALT REQ	C04P1	1-04	* P	1		1	246
HALT REQ	C05P1	1-05	* P	2		1	246
HALT REQ	C06P1	1-06	* P	1		1	246
HALT REQ	C07P1	1-07	* P	2		1	246
HALT REQ	C08P1	1-08	* P	1		1	246
HALT REQ	C09P1	1-09	* X				246
HALT REQ		1				8-0/8	246
INIT L	A01A1	1-01	* P	1		1	247
INIT L	A02A1	1-02	* P	2		1	247
INIT L	A03A1	1-03	* P	1		1	247
INIT L	A04A1	1-04	* P	2		1	247
INIT L	A05A1	1-05	* P	2		1	247
INIT L	A06A1	1-06	* P	1		1	247
INIT L	A07A1	1-07	* P	2		1	247
INIT L	A08A1	1-08	* P	1		1	247
INIT L	A09A1	1-09	* H	2	TW PR	9-5/8	247
INIT L	D09L1	1-10	* P	1		1	247
INIT L	D08L1	1-11	* P	2		1	247
INIT L	D07L1	1-12	* P	1		1	247
INIT L	D06L1	1-13	* P	2		1	247
INIT L	D05L1	1-14	* P	1		1	247
INIT L	D04L1	1-15	* P	2		1	247
INIT L	D03L1	1-16	* P	1		1	247
INIT L	D02L1	1-17	* P	2		1	247
INIT L	D01L1	1-18	* P				247
INIT L		1				25-5/8	247
INT SSYN	B02E1	1-01	* P	2		1	248
INT SSYN	B03E1	1-02	* P	1		1	248
INT SSYN	B04E1	1-03	* P	2		1	248
INT SSYN	B05E1	1-04	* P	1		1	248
INT SSYN	B06E1	1-05	* P	2		1	248
INT SSYN	B07E1	1-06	* P	1		1	248
INT SSYN	B08E1	1-07	* X				248
INT SSYN		1				6-0/8	248

**RUN
NUMBER**

INSTR	ADDRESS	OPERAND	PC	PC+1	PC+2	PC+3	PC+4	PC+5	PC+6	PC+7	PC+8	PC+9	PC+10	PC+11	PC+12	PC+13	PC+14	PC+15	PC+16	PC+17	PC+18	PC+19	PC+20	PC+21	PC+22	PC+23	PC+24	PC+25	PC+26	PC+27	PC+28	PC+29	PC+30	PC+31	PC+32	PC+33	PC+34	PC+35	PC+36	PC+37	PC+38	PC+39	PC+40	PC+41	PC+42	PC+43	PC+44	PC+45	PC+46	PC+47	PC+48	PC+49	PC+50	PC+51	PC+52	PC+53	PC+54	PC+55	PC+56	PC+57	PC+58	PC+59	PC+60	PC+61	PC+62	PC+63	PC+64	PC+65	PC+66	PC+67	PC+68	PC+69	PC+70	PC+71	PC+72	PC+73	PC+74	PC+75	PC+76	PC+77	PC+78	PC+79	PC+80	PC+81	PC+82	PC+83	PC+84	PC+85	PC+86	PC+87	PC+88	PC+89	PC+90	PC+91	PC+92	PC+93	PC+94	PC+95	PC+96	PC+97	PC+98	PC+99	PC+100	PC+101	PC+102	PC+103	PC+104	PC+105	PC+106	PC+107	PC+108	PC+109	PC+110	PC+111	PC+112	PC+113	PC+114	PC+115	PC+116	PC+117	PC+118	PC+119	PC+120	PC+121	PC+122	PC+123	PC+124	PC+125	PC+126	PC+127	PC+128	PC+129	PC+130	PC+131	PC+132	PC+133	PC+134	PC+135	PC+136	PC+137	PC+138	PC+139	PC+140	PC+141	PC+142	PC+143	PC+144	PC+145	PC+146	PC+147	PC+148	PC+149	PC+150	PC+151	PC+152	PC+153	PC+154	PC+155	PC+156	PC+157	PC+158	PC+159	PC+160	PC+161	PC+162	PC+163	PC+164	PC+165	PC+166	PC+167	PC+168	PC+169	PC+170	PC+171	PC+172	PC+173	PC+174	PC+175	PC+176	PC+177	PC+178	PC+179	PC+180	PC+181	PC+182	PC+183	PC+184	PC+185	PC+186	PC+187	PC+188	PC+189	PC+190	PC+191	PC+192	PC+193	PC+194	PC+195	PC+196	PC+197	PC+198	PC+199	PC+200	PC+201	PC+202	PC+203	PC+204	PC+205	PC+206	PC+207	PC+208	PC+209	PC+210	PC+211	PC+212	PC+213	PC+214	PC+215	PC+216	PC+217	PC+218	PC+219	PC+220	PC+221	PC+222	PC+223	PC+224	PC+225	PC+226	PC+227	PC+228	PC+229	PC+230	PC+231	PC+232	PC+233	PC+234	PC+235	PC+236	PC+237	PC+238	PC+239	PC+240	PC+241	PC+242	PC+243	PC+244	PC+245	PC+246	PC+247	PC+248	PC+249	PC+250	PC+251	PC+252	PC+253	PC+254	PC+255	PC+256	PC+257	PC+258	PC+259	PC+260	PC+261	PC+262	PC+263	PC+264	PC+265	PC+266	PC+267	PC+268	PC+269	PC+270	PC+271	PC+272	PC+273	PC+274	PC+275	PC+276	PC+277	PC+278	PC+279	PC+280	PC+281	PC+282	PC+283	PC+284	PC+285	PC+286	PC+287	PC+288	PC+289	PC+290	PC+291	PC+292	PC+293	PC+294	PC+295	PC+296	PC+297	PC+298	PC+299	PC+300	PC+301	PC+302	PC+303	PC+304	PC+305	PC+306	PC+307	PC+308	PC+309	PC+310	PC+311	PC+312	PC+313	PC+314	PC+315	PC+316	PC+317	PC+318	PC+319	PC+320	PC+321	PC+322	PC+323	PC+324	PC+325	PC+326	PC+327	PC+328	PC+329	PC+330	PC+331	PC+332	PC+333	PC+334	PC+335	PC+336	PC+337	PC+338	PC+339	PC+340	PC+341	PC+342	PC+343	PC+344	PC+345	PC+346	PC+347	PC+348	PC+349	PC+350	PC+351	PC+352	PC+353	PC+354	PC+355	PC+356	PC+357	PC+358	PC+359	PC+360	PC+361	PC+362	PC+363	PC+364	PC+365	PC+366	PC+367	PC+368	PC+369	PC+370	PC+371	PC+372	PC+373	PC+374	PC+375	PC+376	PC+377	PC+378	PC+379	PC+380	PC+381	PC+382	PC+383	PC+384	PC+385	PC+386	PC+387	PC+388	PC+389	PC+390	PC+391	PC+392	PC+393	PC+394	PC+395	PC+396	PC+397	PC+398	PC+399	PC+400	PC+401	PC+402	PC+403	PC+404	PC+405	PC+406	PC+407	PC+408	PC+409	PC+410	PC+411	PC+412	PC+413	PC+414	PC+415	PC+416	PC+41
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DD11D,B RUN NAME	WRAPD ,V35(102)=1 A/P PIN NAME	03-JUN-77 ORDER PIN ORDER	BAY - G DRAW RV RG Y OPT	X	Z	REMARKS	7-JUL-78 9100 NC LENGTH FLAG	PAGE 47 EXCEPTIONS	RUN NUMBER
J OUT LOW	D08D1	1-01 *			1		4		259
J OUT LOW	E08N1	1-02 *							259
J OUT LOW		1					4-0/8		259
J SEL 0	D08F1	1-01 *			1		4-1/8		260
J SEL 0	E08S2	1-02 *							260
J SEL 0		1					4-1/8		260
J SEL 4	D08E1	1-01 *			1		4-3/8		261
J SEL 4	E08R2	1-02 *							261
J SEL 4		1					4-3/8		261
J SEL 6	D08C1	1-01 *			1		4-4/8		262
J SEL 6	E08S1	1-02 *							262
J SEL 6		1					4-4/8		262
J SER 2	D08J1	1-01 *			1		4-1/8		263
J SER 2	E08T2	1-02 *							263
J SER 2		1					4-1/8		263
J SSYN IN H	D08V1	1-01 *			1		1		264
J SSYN IN H	E08B1	1-02 *							264
J SSYN IN H		1					1-0/8		264
K A IN	D09H1	1-01 *			1		3-4/8		265
K A IN	E09M1	1-02 *							265
K A IN		1					3-4/8		265
K BG IN	D09U2	1-01 *			1		3-7/8		266
K BG IN	F09B1	1-02 *							266
K BG IN		1					3-7/8		266
K BG OUT	D09V2	1-01 *			1		3-7/8		267
K BG OUT	F09A1	1-02 *							267
K BG OUT		1					3-7/8		267
K BR OUT	D09J2	1-01 *			1		6-5/8		268
K BR OUT	F09P1	1-02 *			2		1		268
K BR OUT	F09U2	1-03 *							268
K BR OUT		1					7-5/8		268
K INT A	D09N1	1-01 *			1		6-3/8		269
K INT A	F09U1	1-02 *							269
K INT A		1					6-3/8		269
K INT B	C09J1	1-01 *			1		8-5/8		270
K INT B	F09K2	1-02 *							270
K INT B		1					8-5/8		270
K INT ENB A	D09M1	1-01 *			1		6-5/8		271
K INT ENB A	F09V1	1-02 *							271
K INT ENB A		1					6-5/8		271

DDI1D,B
RUN NAME

WRAPD .V35(102)-1 03-JUN-77
A/P PIN ORDER BAY - Q DRAW RV RG Y X Z
NAME PIN ORDER OPT

7-JUL-78

9100 PAGE 48
NC LENGTH EXCEPTIONS
FLAG

RUN
NUMBER

K INT ENB B
K INT ENB B
K INT ENB B

C09L1 1-01 *
F09H2 1-02 *
1

1

0-1/8

272

272

0-1/8

272

K OUT HIGP
K OUT HIGP
K OUT HIGP

D09K1 1-01 *
E09M2 1-02 *
1

1

3-3/8

273

273

3-3/8

273

K OUT LOW
K OUT LOW
K OUT LOW

D09D1 1-01 *
E09N1 1-02 *
1

1

4

274

274

4-0/8

274

K SEL 0
K SEL 0
K SEL 0

D09F1 1-01 *
E09S2 1-02 *
1

1

4-1/8

275

275

4-1/8

275

K SEL 4
K SEL 4
K SEL 4

D09E1 1-01 *
E09R2 1-02 *
1

1

4-3/8

276

276

4-3/8

276

K SEL 6
K SEL 6
K SEL 6

D09C1 1-01 *
E09S1 1-02 *
1

1

4-4/8

277

277

4-4/8

277

K SER 2
K SER 2
K SER 2

D09J1 1-01 *
E09T2 1-02 *
1

1

4-1/8

278

278

4-1/8

278

K SSYN IN H
K SSYN IN H
K SSYN IN H

D09V1 1-01 *
E09B1 1-02 *
1

1

1

279

279

1-0/8

279

LTC
LTC
LTC
LTC
LTC
LTC
LTC
LTC
LTC
LTC
LTC

C01D1 1-01 * P
C02D1 1-02 * P
C03D1 1-03 * P
C04D1 1-04 * P
C05D1 1-05 * P
C06D1 1-06 * P
C07D1 1-07 * P
C08D1 1-08 * P
C09D1 1-09 * X
1

2

1

280

1

280

1

280

1

280

1

280

1

280

1

280

1

280

1

280

0-0/8

280

MSYN L (1)
MSYN L (1)
MSYN L (1)
MSYN L (1)
MSYN L (1)
MSYN L (1)
MSYN L (1)
MSYN L (1)
MSYN L (1)
MSYN L (1)

B01V1 1-01 *
B02V1 1-02 *
B03V1 1-03 *
B04V1 1-04 * H
E01E1 1-05 * P
E02E1 1-06 * P
E03E1 1-07 * P
E04E1 1-08 *
1

2

1

281

1

281

1

281

0-1/8

281

1

281

1

281

1

281

1

281

14-1/8

281

TW

RUN
 NUMBER

DD11D,B RUN NAME	WRAPD ,VJ5(102)-1 A/P	PIN NAME	ORDER PIN	BAY - ORDER	Q	DRAW OPT	RV	RG	Y	X	Z	REMARKS	7-JUL-78	9100 NC LENGTH FLAG	PAGE 50 EXCEPTIONS	RUN NUMBER
NPR L		A0182		1-01 *							1				1	205
NPR L		A0282		1-02 *							2				1	205
NPR L		A0382		1-03 *							1				1	205
NPR L		A0482		1-04 *							2				1	205
NPR L		A0582		1-05 *							1				1	205
NPR L		A0682		1-06 *							2				1	205
NPR L		A0782		1-07 *							1				1	205
NPR L		A0882		1-08 *							2				1	205
NPR L		A0982		1-09 *	H						2	TW PR		12-7/8	1	205
NPR L		F09J1		1-10 *	P						2				1	205
NPR L		F08J1		1-11 *	P						1				1	205
NPR L		F07J1		1-12 *	P						2				1	205
NPR L		F06J1		1-13 *	P						1				1	205
NPR L		F05J1		1-14 *	P						2				1	205
NPR L		F04J1		1-15 *	P						1				1	205
NPR L		F03J1		1-16 *	P						2				1	205
NPR L		F02J1		1-17 *	P						1				1	205
NPR L		F01J1		1-18 *											1	205
NPR L				1											20-7/8	205
PA L		A09M1		1-01 *	P						2				1	206
PA L		A08M1		1-02 *	P						1				1	206
PA L		A07M1		1-03 *	P						2				1	206
PA L		A06M1		1-04 *	P						1				1	206
PA L		A05M1		1-05 *							2				1	206
PA L		A04M1		1-06 *	P						2				1	206
PA L		A03M1		1-07 *	P						1			1-4/8	1	206
PA L		A01M1		1-08 *	P						1				1	206
PA L		A02M1		1-09 *							2			4-6/8	1	206
PA L		C02C1		1-10 *	P						2				1	206
PA L		C01C1		1-11 *							1			1-4/8	1	206
PA L		C03C1		1-12 *							2				1	206
PA L		C04C1		1-13 *							1				1	206
PA L		C05C1		1-14 *							2				1	206
PA L		C06C1		1-15 *							1				1	206
PA L		C07C1		1-16 *							2				1	206
PA L		C08C1		1-17 *							1				1	206
PA L		C09C1		1-18 *											1	206
PA L				1											21-6/8	206
PAR DET		B02E2		1-01 *							2				1	207
PAR DET		B03E2		1-02 *							1				1	207
PAR DET		B04E2		1-03 *							2				1	207
PAR DET		B05E2														

RUN
NUMBER

111111
6-0/0

1
1
1
1
1
1
6-0/0

1
1
1
1
1
2
1
1
6-3/8
1-4/8
1
1-4/8
1
1
1
1
1
24-3/8

1
1
1
1
1
1
6-0/0

RUN
NUMBER

Item	Code	Value	Unit	Material	Quantity	Unit Price	Total Price	Material	Quantity	Unit Price	Total Price
SACK	L			A01R2	1-01	*	P	1	1		292
SACK	L			A02R2	1-02	*	P	2	1		292
SACK	L			A03R2	1-03	*	P	1	1		292
SACK	L			A04R2	1-04	*		2	15-3/8		292
SACK	L			F01T2	1-05	*	P	1	1		292
SACK	L			F02T2	1-06	*	P	2	1		292
SACK	L			F03T2	1-07	*	P	1	1		292
SACK	L			F04T2	1-08	*	H	2	2FTTW		292
SACK	L			F05T2	1-09	*	P	1	1		292
SACK	L			F06T2	1-10	*	P	2	1		292
SACK	L			F07T2	1-11	*	P	1	1		292
SACK	L			F08T2	1-12	*	P	2	1		292
SACK	L			F09T2	1-13	*		1	15-7/8		292
SACK	L			A05R2	1-14	*	P	2	1		292
SACK	L			A06R2	1-15	*	P	1	1		292
SACK	L			A07R2	1-16	*	P	1	1		292
SACK	L			A08R2	1-17	*	P	2	1		292
SACK	L			A09R2	1-18	*	X		46-2/8		292
SACK	L				1						
SSYN	L	(1)		B01U1	1-01	*	P	1	1		293
SSYN	L	(1)		B02U1	1-02	*	P	2	1		293
SSYN	L	(1)		B03U1	1-03	*	P	1	1		293
SSYN	L	(1)		B04U1	1-04	*	H	2	8-3/8		293
SSYN	L	(1)		E01J1	1-05	*	P	1	1		293
SSYN	L	(1)		E02J1	1-06	*	P	2	1		293
SSYN	L	(1)		E03J1	1-07	*	P	1	1		293
SSYN	L	(1)		E04J1	1-08	*		2	2-5/8		293
SSYN	L	(1)		F04C1	1-09	*	P	2	1		293
SSYN	L	(1)		F03C1	1-10	*	P	1	1		293
SSYN	L	(1)		F02C1	1-11	*	P	2	1		293
SSYN	L	(1)		F01C1	1-12	*			20-9/8		293
SSYN	L	(1)			1						
SSYN	L	(2)		B09U1	1-01	*	P	1	1		294
SSYN	L	(2)		B08U1	1-02	*	P	1	1		294
SSYN	L	(2)		B07U1	1-03	*	P	2	1		294
SSYN	L	(2)		B06U1	1-04	*	P	1	1		294
SSYN	L	(2)		B05U1	1-05	*	H	2	9-1/8		294
SSYN	L	(2)		E09J1	1-06	*	P	1	1		294
SSYN	L	(2)		E08J1	1-07	*	P	2	1		294
SSYN	L	(2)		E07J1	1-08	*	P	1	1		294
SSYN	L	(2)		E06J1	1-09	*	P	2	1		294
SSYN	L	(2)		E05J1	1-10	*		1	2-5/8		294
SSYN	L	(2)		F05C1	1-11	*	P	1	1		294
SSYN	L	(2)		F06C1	1-12	*	P	2	1		294
SSYN	L	(2)		F07C1	1-13	*	P	1	1		294
SSYN	L	(2)		F08C1	1-14	*	P	2	1		294
SSYN	L	(2)		F09C1	1-15	*	X		23-6/8		294
SSYN	L	(2)			1						
SSYN	L	JM		F05C1	1-01	*	H	1	2FTTW		295
SSYN	L	JM		F04C1	1-02	*			1-0/8		295
SSYN	L	JM									