

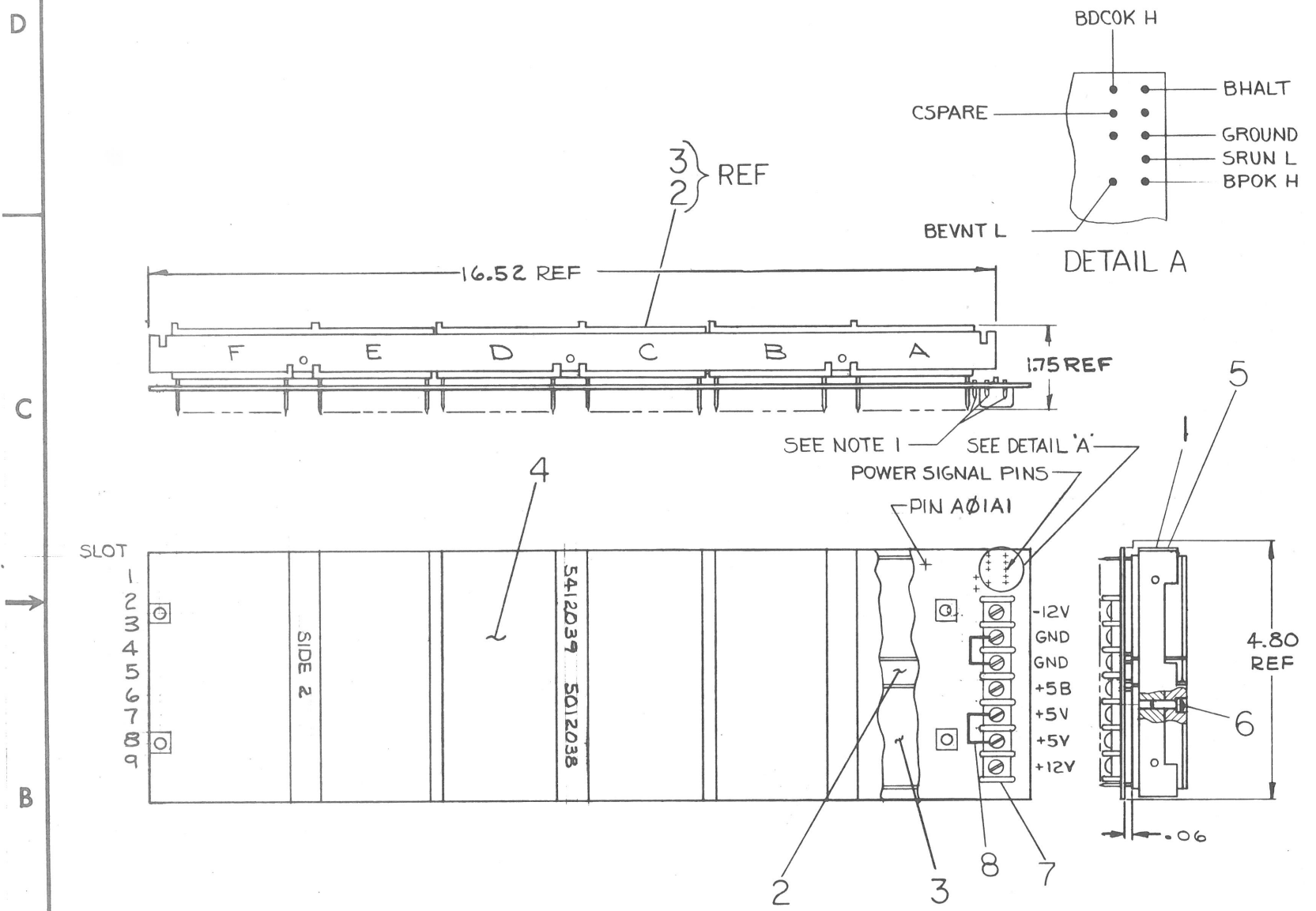




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DO NOT SCALE DRAWING

NOTES:  
1. BE SURE STAKE PINS HAVE BEEN INSERTED IN ITEM NO. 4 BEFORE WAVE SOLDER.



REF	CIRCUIT SCHEMATIC		
2	JUMPER	9007589	8
1	TERMINAL BOARD, PC	1212484-03	7
15	SCR FIL HD #8-32 X.62 LG	9006120-6	6
1	LABLE, ADHESIVE BACK	9009255	5
1	ETCH CIRCUIT BOARD	5412039	4
6	BLOCK, CONN. 288 PIN	1210258-01	3
3	BLOCK, CONN. 72 PIN	1211425-02	2
1	FRAME, LOGIC	1211439	1

REV.	CHANGE NO.	REV.
A	DDVII-B-00001	31 MAR. 77
	D. BENNETT	
B	DDVII-B-00002	25 APR. 77
	R. FITCH	
	DDVII-B-00003	14 JUNE 77
	R. FITCH	
	DDVII-B-00004	15 JUN 77
	ROBERT M. FITCH	

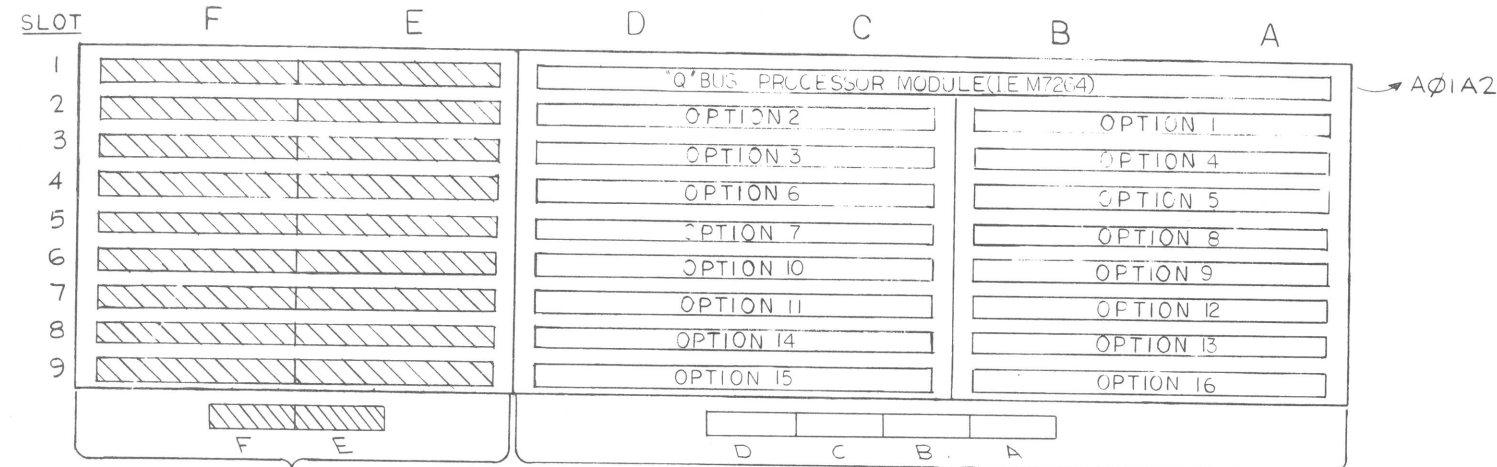
FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.																																																													
DDVII-B																																																																		
PARTS LIST																																																																		
DIMENSIONAL TOLERANCE		<table border="1"> <tr> <td>DRN.</td> <td>DATE</td> <td rowspan="4" style="text-align: center; font-size: 2em;"><b>digital</b></td> </tr> <tr> <td>CHK'D</td> <td>DATE</td> </tr> <tr> <td>ENG.</td> <td>DATE</td> </tr> <tr> <td>PROJ. ENG.</td> <td>DATE</td> </tr> <tr> <td colspan="2">DIMENSIONS ARE <math>\frac{\text{MILLIMETERS}}{\text{INCHES}}</math> UNLESS OTHERWISE SPECIFIED</td> <td colspan="2">TITLE</td> <td colspan="2" rowspan="4" style="text-align: center; font-size: 1.5em;"><b>BACK PLANE ASSY</b></td> </tr> <tr> <td>MILLIMETERS</td> <td>INCHES</td> <td>ANGLES</td> <td></td> </tr> <tr> <td>X,XX = ±0.10</td> <td>.XXX = ±.005</td> <td>±0° 30'</td> <td></td> </tr> <tr> <td>X,X = ±0.5</td> <td>.XX = ±.02</td> <td></td> <td></td> </tr> <tr> <td>X = ±2</td> <td>.X = ±.1</td> <td></td> <td></td> </tr> <tr> <td>THIRD ANGLE PROJECTION</td> <td colspan="2">REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓</td> <td colspan="2">NEXT HIGHER ASSY.</td> <td></td> </tr> <tr> <td colspan="2">MATERIAL SEE PARTS LIST</td> <td colspan="2">B-DD-DDVII-B</td> <td>SIZE CODE</td> <td>NUMBER</td> </tr> <tr> <td colspan="2">FINISH</td> <td colspan="2"></td> <td>C UA</td> <td>DDVII-B-Ø</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">SCALE</td> <td colspan="2">REV. B</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">SHEET 1 OF 1</td> <td colspan="2">DIST.</td> </tr> </table>				DRN.	DATE	<b>digital</b>	CHK'D	DATE	ENG.	DATE	PROJ. ENG.	DATE	DIMENSIONS ARE $\frac{\text{MILLIMETERS}}{\text{INCHES}}$ UNLESS OTHERWISE SPECIFIED		TITLE		<b>BACK PLANE ASSY</b>		MILLIMETERS	INCHES	ANGLES		X,XX = ±0.10	.XXX = ±.005	±0° 30'		X,X = ±0.5	.XX = ±.02			X = ±2	.X = ±.1			THIRD ANGLE PROJECTION	REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		NEXT HIGHER ASSY.			MATERIAL SEE PARTS LIST		B-DD-DDVII-B		SIZE CODE	NUMBER	FINISH				C UA	DDVII-B-Ø			SCALE		REV. B				SHEET 1 OF 1		DIST.	
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REV. B  
NUMBER DDVII-B-Ø  
SIZE CODE CUA

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NOTES:  
 1. SHOULD AVOID WIRING FROM USER AREA TO LSI-II BUS. THIS WILL ADD EXTRA CAPACITANCE ON BUS SIGNAL LINES AND MAY CHANGE THE AC CHARACTERISTICS OF THE LSI-II BUS SPEC.  
 2. POWER AND GND CONNECTIONS PROVIDED AT THE FOLLOWING PINS.  
 +5V: A2  
 GND: C2, T1  
 -12V: B2

VIEW FROM PIN SIDE



USER AREA (SLOTS 1-9, ROW E AND F)  
 1. THESE SLOTS ARE USER DEFINED AND NOT CONSIDERED TO BE PART OF LSI-BUS. SEE NOTE 1.  
 2. POWER AND GROUND CONNECTION PROVIDED. SEE NOTE 2.

LSI-II BUS (SLOTS 1-9, ROW A, B, C, AND D.)  
 GENERAL  
 1. ANY OPTION MEETING LSI-II BUS SPEC. CAN BE PLUGGED INTO THESE SLOTS.  
 NOTE: HENCE  
 A. THE LSI-II, 36 SLOT BUS MAY NEED ADDITIONAL BUS TERMINATING. M94φφ-YB PDP-11/03 TERMINATING MODULE.  
 B. SLOT 1 IS USUALLY RESERVED FOR CPU MODULE (M7264).

REV.	CHANGE NO.	DATE	BY
1	DDVII-B-00001	31 MAR 77	I. BENNETT
2			

THIRD ANGLE PROJECTION	DESCRIPTION	DWG./PART NO.	ITEM NO.
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
QUANTITY & VARIATION	ANGLES 90° 30°	CLASS OF ACCURACY	
	SURFACE QUALITY	NOMINAL DIMENSION RANGE INCHES	
REMOVE BURRS AND BREAK SHARP CORNERS	MICROINCHES	OVER 0 TO 0.2	OVER 0.2 TO 1.2
		OVER 1.2 TO 4.0	OVER 4.0 TO 12.0
DO NOT SCALE DWG	PREFERRED	±.004	±.008
		±.012	±.016
MATERIAL	DRN. <i>D. Johnson</i>	DATE <i>8 APR 76</i>	FIRST USED ON
	CHK'D <i>[Signature]</i>	ENG. <i>[Signature]</i>	DDVII-B
FINISH	PROJ. ENG. <i>[Signature]</i>	PROD. <i>[Signature]</i>	TITLE
	MODULE UTILIZATION DDVII-B		
	SCALE NONE	SIZE CODE D	NUMBER MU DDVII-B-1
	SHEET 1 OF 1	DIST.	REV. A

REV. A  
 NUMBER DDVII-B-1  
 SIZE CODE D

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DIGITAL EQUIP. CORP.

REV. NUMBER SIZE CODE  
 2 1 K WL DDVII-B-4

FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
DDVII-B		PARTS LIST		
DRN. D. OLSEN	DATE 4 APR 76	<b>digital</b> EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE AWT ETCH LIST (DDVII-B)		
CHK'D. <i>B. H. Hoy</i>	DATE 24 MAY 76			
ENG. <i>William Foreman</i>	DATE 25 MAY 76			
PROJ. ENG. <i>William Foreman</i>	DATE 25 MAY 76			
PROD. <i>David Stuchlik</i>	DATE 16 JUN 76			
NEXT HIGHER ASSEMBLY B-DD-DDVII-B		SIZE CODE K WL	NUMBER DDVII-B-4	REV.
SCALE ++	SHEET   OF	DIST.		

REVISIONS	REV.
	CHANGE NO.
	CHK

DDV11B.P0 PUN NAME	WPP2RR.V34(62)-1 A/P PIN ORDER PIN	31-JUL-75 RAY ORDER	Q DPAW OPT	PV PG Y X Z	REMARKS 14-APR-76	9:PM AC LENGTH EXCESSION FLAG	PAGE 1 NUMBER	RUN NUMBER
+12V	A01D2	1-01	P					1
+12V	A02D2	1-02	P					1
+12V	A03D2	1-03	P					1
+12V	A04D2	1-04	P					1
+12V	A05D2	1-05	P					1
+12V	A06D2	1-06	P					1
+12V	A07D2	1-07	P					1
+12V	A08D2	1-08	P					1
+12V	A09D2	1-09	P					1
+12V	A10D2	1-10	P			3-2/8		1
+12V	A08D2	1-11	P					1
+12V	A07D2	1-12	P					1
+12V	A06D2	1-13	P					1
+12V	A05D2	1-14	F					1
+12V	A04D2	1-15	F					1
+12V	A03D2	1-16	P					1
+12V	A02D2	1-17	P					1
+12V	A01D2	1-18	P					1
+12V	C01D2	1-19	P					1
+12V	C02D2	1-20	F					1
+12V	C03D2	1-21	P					1
+12V	C04D2	1-22	P					1
+12V	C05D2	1-23	P					1
+12V	C06D2	1-24	P					1
+12V	C07D2	1-25	P					1
+12V	C08D2	1-26	P					1
+12V	C09D2	1-27	P					1
+12V	D09D2	1-28	P			3-2/8		1
+12V	D08D2	1-29	P					1
+12V	D07D2	1-30	P					1
+12V	D06D2	1-31	F					1
+12V	D05D2	1-32	F					1
+12V	D04D2	1-33	F					1
+12V	D03D2	1-34	F					1
+12V	D02D2	1-35	P					1
+12V	D01D2	1-36	P					1

41-4/8



DDV11R.P0  
RUN NAME

WRP288.V34(62)-1 31-JUL-75  
A/P PIN ORDER RAY - Q DRAW RV RG Y X Z

14-APR-76  
REMARKS

9:00 PAGE 4  
NC LENGTH EXCEPTIONS  
FLAG

DDV11R.P0 RUN NAME	WRP288.V34(62)-1 31-JUL-75 A/P PIN ORDER RAY - Q DRAW RV RG Y X Z	REMARKS	9:00 PAGE 4 NC LENGTH EXCEPTIONS FLAG	HOH NUMBER	
-12V 01	A09B2	1-01	P	1	5
-12V 01	A08B2	1-02	P	1	5
-12V 01	A07B2	1-03	P	1	5
-12V 01	A06B2	1-04	P	1	5
-12V 01	A05B2	1-05	P	1	5
-12V 01	A04B2	1-06	P	1	5
-12V 01	A03B2	1-07	P	1	5
-12V 01	A02B2	1-08	P	1	5
-12V 01	A01B2	1-09	P	1	5
-12V 01	B01B2	1-10	P	3-2/8	5
-12V 01	B02B2	1-11	P	1	5
-12V 01	B03B2	1-12	P	1	5
-12V 01	B04B2	1-13	P	1	5
-12V 01	R05B2	1-14	P	1	5
-12V 01	R06B2	1-15	P	1	5
-12V 01	C07B2	1-16	P	1	5
-12V 01	C08B2	1-17	P	3-3/8	5
-12V 01	C09B2	1-18	P	1	5
-12V 01	C06B2	1-19	P	2	5
-12V 01	C05B2	1-20	P	1	5
-12V 01	C04B2	1-21	P	1	5
-12V 01	C03B2	1-22	P	1	5
-12V 01	C02B2	1-23	P	1	5
-12V 01	C01B2	1-24	P	1	5
-12V 01	D01B2	1-25	P	3-2/H	5
-12V 01	D02B2	1-26	P	1	5
-12V 01	D03R2	1-27	P	1	5
-12V 01	D04R2	1-28	P	1	5
-12V 01	D05B2	1-29	P	1	5
-12V 01	D06R2	1-30	P	1	5
-12V 01	D07B2	1-31	P	1	5
-12V 01	D08R2	1-32	P	1	5
-12V 01	D09B2	1-33	P	1	5
				39-7/8	

DDV11R.P0  
RUN NAME

WRP288.V34(62)-1 31-JUL-75  
A/P PIN ORDER RAY - Q DRAW RV RG Y X Z

14-APR-76  
REMARKS

9:00 PAGE 5  
NC LENGTH EXCEPTIONS  
FLAG

DDV11R.P0 RUN NAME	WRP288.V34(62)-1 31-JUL-75 A/P PIN ORDER RAY - Q DRAW RV RG Y X Z	REMARKS	9:00 PAGE 5 NC LENGTH EXCEPTIONS FLAG	HOH NUMBER	
-12V 02	R07R2	1-01	P	1	6
-12V 02	R08B2	1-02	P	1	6
-12V 02	R09R2	1-03	P	R-2/H	6
-12V 02	E09R2	1-04	P	1	6
-12V 02	E08R2	1-05	P	1	6
-12V 02	F07B2	1-06	P	1	6
-12V 02	F06R2	1-07	P	1	6
-12V 02	F05R2	1-08	P	1	6
-12V 02	F04R2	1-09	P	1	6
-12V 02	F03R2	1-10	P	1	6
-12V 02	F02R2	1-11	P	1	6
-12V 02	F01R2	1-12	P	1	6
-12V 02	F02B2	1-13	P	3-2/H	6
-12V 02	F03R2	1-14	P	1	6
-12V 02	F04R2	1-15	P	1	6
-12V 02	F05R2	1-16	P	1	6
-12V 02	F06B2	1-17	P	1	6
-12V 02	F07R2	1-18	P	1	6
-12V 02	F08R2	1-19	P	1	6
-12V 02	F09B2	1-20	P	1	6
-12V 02	F09B2	1-21	P	1	6
				29-4/8	
BAD 16	A01C1	1-01	P	1	7
BAD 16	A02C1	1-02	P	1	7
BAD 16	A03C1	1-03	P	1	7
BAD 16	A04C1	1-04	P	1	7
BAD 16	A05C1	1-05	P	1	7
BAD 16	A06C1	1-06	P	1	7
BAD 16	A07C1	1-07	P	1	7
BAD 16	A08C1	1-08	P	1	7
BAD 16	A09C1	1-09	P	1	7
BAD 16	C08C1	1-10	P	5-6/8	7
BAD 16	C07C1	1-11	P	1	7
BAD 16	C06C1	1-12	P	1	7
BAD 16	C05C1	1-13	P	1	7
BAD 16	C04C1	1-14	P	1	7
BAD 16	C03C1	1-15	P	1	7
BAD 16	C02C1	1-16	P	1	7
BAD 16	C01C1	1-17	P	1	7
BAD 16	C01C1	1-18	P	1	7
				21-6/8	





DDV11R.P0  
RUN NAME

A/P PIN ORDER PIN  
WPP288.V34(62)=1 31-JUL-75  
RAY ORDER

DEAW RV RG Y X Z  
PFMARKS 14-APR-76

9:00 PAGE 4  
NC LENGTH RECEIPTS  
FLAG

1000000

RDAL	PTN	NAME	RAY	ORDER	PIN	DEAW	RV	RG	Y	X	Z	PFMARKS	14-APR-76	9:00	PAGE 4	NC LENGTH RECEIPTS	FLAG	1000000
RDAL 02 L	R01E2		1-01			P										1		12
RDAL 02 L	R02F2		1-02			P										1		12
RDAL 02 L	R03F2		1-03			P										1		12
RDAL 02 L	R04E2		1-04			P										1		12
RDAL 02 L	R05F2		1-05			P										1		12
RDAL 02 L	R06E2		1-06			P										1		12
RDAL 02 L	R07E2		1-07			P										1		12
RDAL 02 L	R08E2		1-08			P										1		12
RDAL 02 L	R09E2		1-09			P										1		12
RDAL 02 L	D09F2		1-10			P										5-6/8		12
RDAL 02 L	D08E2		1-11			P										1		12
RDAL 02 L	D07E2		1-12			P										1		12
RDAL 02 L	D06E2		1-13			P										1		12
RDAL 02 L	D05E2		1-14			P										1		12
RDAL 02 L	D04E2		1-15			P										1		12
RDAL 02 L	D03F2		1-16			P										1		12
RDAL 02 L	D02E2		1-17			P										1		12
RDAL 02 L	D01E2		1-18			P										1		12
RDAL 03 L	R01F2		1-01			P										21-6/8		12
RDAL 03 L	R02F2		1-02			P										1		13
RDAL 03 L	R03F2		1-03			P										1		13
RDAL 03 L	R04F2		1-04			P										1		13
RDAL 03 L	R05F2		1-05			P										1		13
RDAL 03 L	R06F2		1-06			P										1		13
RDAL 03 L	R07F2		1-07			P										1		13
RDAL 03 L	R08F2		1-08			F										1		13
RDAL 03 L	R09F2		1-09			F										5-6/8		13
RDAL 03 L	D09F2		1-10			F										1		13
RDAL 03 L	D08F2		1-11			F										1		13
RDAL 03 L	D07F2		1-12			P										1		13
RDAL 03 L	D06F2		1-13			P										1		13
RDAL 03 L	D05F2		1-14			P										1		13
RDAL 03 L	D04F2		1-15			P										1		13
RDAL 03 L	D03F2		1-16			P										1		13
RDAL 03 L	D02F2		1-17			P										1		13
RDAL 03 L	D01F2		1-18			P										1		13
RDAL 03 L																21-6/8		13

DDV11R.P0  
RUN NAME

A/P PIN ORDER PIN  
WPP288.V34(62)=1 31-JUL-75  
RAY ORDER

DEAW RV RG Y X Z  
PFMARKS 14-APR-76

9:00 PAGE 5  
NC LENGTH RECEIPTS  
FLAG

1000000

RDAL	PTN	NAME	RAY	ORDER	PIN	DEAW	RV	RG	Y	X	Z	PFMARKS	14-APR-76	9:00	PAGE 5	NC LENGTH RECEIPTS	FLAG	1000000
RDAL 04 L	R01H2		1-01			P										1		14
RDAL 04 L	R02H2		1-02			P										1		14
RDAL 04 L	R03H2		1-03			P										1		14
RDAL 04 L	R04H2		1-04			P										1		14
RDAL 04 L	R05H2		1-05			P										1		14
RDAL 04 L	R06H2		1-06			P										1		14
RDAL 04 L	R07H2		1-07			P										1		14
RDAL 04 L	R08H2		1-08			P										1		14
RDAL 04 L	R09H2		1-09			F										5-6/8		14
RDAL 04 L	D09H2		1-10			F										1		14
RDAL 04 L	D08H2		1-11			F										1		14
RDAL 04 L	D07H2		1-12			P										1		14
RDAL 04 L	D06H2		1-13			P										1		14
RDAL 04 L	D05H2		1-14			F										1		14
RDAL 04 L	D04H2		1-15			F										1		14
RDAL 04 L	D03H2		1-16			P										1		14
RDAL 04 L	D02H2		1-17			P										1		14
RDAL 04 L	D01H2		1-18			P										1		14
RDAL 05 L	R01J2		1-01			P										21-6/8		14
RDAL 05 L	R02J2		1-02			P										1		15
RDAL 05 L	R03J2		1-03			P										1		15
RDAL 05 L	R04J2		1-04			P										1		15
RDAL 05 L	R05J2		1-05			P										1		15
RDAL 05 L	R06J2		1-06			P										1		15
RDAL 05 L	R07J2		1-07			P										1		15
RDAL 05 L	R08J2		1-08			P										1		15
RDAL 05 L	R09J2		1-09			P										5-6/8		15
RDAL 05 L	D09J2		1-10			P										1		15
RDAL 05 L	D08J2		1-11			P										1		15
RDAL 05 L	D07J2		1-12			F										1		15
RDAL 05 L	D06J2		1-13			F										1		15
RDAL 05 L	D05J2		1-14			P										1		15
RDAL 05 L	D04J2		1-15			F										1		15
RDAL 05 L	D03J2		1-16			P										1		15
RDAL 05 L	D02J2		1-17			F										1		15
RDAL 05 L	D01J2		1-18			P										1		15
RDAL 05 L																21-6/8		15















DDV11R.PA

WRP288.V34(62)-1 31-JUL-75

14-APR-76

PAGE 22

NO LENGTH EXCEPTIONS

FLAG

71

RUN NAME	A/P	PTN	ORDER	PIN	ORDER	RAY	Q	DRAW	PV	PG	Y	X	Z	REMARKS	NO LENGTH EXCEPTIONS	FLAG	NUMBER
APPLY L			A01F2		1-01	P							1				71
BRPTI L			A02F2		1-02	P							2				71
RRPLY L			A03F2		1-03	P							2				71
RRPLY L			A04F2		1-04	P							2				71
RRPLY L			A05F2		1-05	P							2				71
RRPLY L			A06F2		1-06	P							2				71
RRPLY L			A07F2		1-07	P							2				71
BRPLY L			A08F2		1-08	P							2				71
BRPLY L			A09F2		1-09	P							2				71
BRPLY L			C09F2		1-10	P							2				71
BRPLY L			C08F2		1-11	P							2				71
BRPLY L			C07F2		1-12	P							2				71
APPLY L			C06F2		1-13	P							2				71
APPLY L			C05F2		1-14	P							2				71
APPLY L			C04F2		1-15	F							2				71
APPLY L			C03F2		1-16	F							2				71
APPLY L			C02F2		1-17	P							2				71
APPLY L			C01F2		1-18	P							2				71
APPLY L															21-6/8		71

BSACK L			R01N1		1-01	P							1				71
BSACK L			R02N1		1-02	P							2				71
BSACK L			R03N1		1-03	P							2				71
BSACK L			R04N1		1-04	P							2				71
BSACK L			R05N1		1-05	P							2				71
BSACK L			R06N1		1-06	P							2				71
BSACK L			R07N1		1-07	P							2				71
BSACK L			R08N1		1-08	P							2				71
BSACK L			R09N1		1-09	P							2				71
BSACK L			D09N1		1-10	P							2				71
BSACK L			D08N1		1-11	P							2				71
BSACK L			D07N1		1-12	P							2				71
BSACK L			D06N1		1-13	P							2				71
BSACK L			D05N1		1-14	P							2				71
BSACK L			D04N1		1-15	F							2				71
BSACK L			D03N1		1-16	F							2				71
BSACK L			D02N1		1-17	P							2				71
BSACK L			D01N1		1-18	P							2				71
BSACK L															21-6/8		71

DDV11R.PA

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PAGE 23

NO LENGTH EXCEPTIONS

FLAG

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RUN NAME	A/P	PTN	ORDER	PIN	ORDER	RAY	Q	DRAW	PV	PG	Y	X	Z	REMARKS	NO LENGTH EXCEPTIONS	FLAG	NUMBER
ASPAFF 1			A01A1		1-01	P							1				71
ASPAFF 1			A02A1		1-02	F							2				71
ASPAFF 1			A03A1		1-03	P							2				71
ASPAFF 1			A04A1		1-04	P							2				71
ASPAFF 1			A05A1		1-05	P							2				71
ASPAFF 1			A06A1		1-06	P							2				71
ASPAFF 1			A07A1		1-07	P							2				71
ASPAFF 1			A08A1		1-08	P							2				71
ASPAFF 1			A09A1		1-09	P							2				71
ASPAFF 1			C09A1		1-10	F							2				71
ASPAFF 1			C08A1		1-11	P							2				71
ASPAFF 1			C07A1		1-12	P							2				71
ASPAFF 1			C06A1		1-13	P							2				71
ASPAFF 1			C05A1		1-14	F							2				71
ASPAFF 1			C04A1		1-15	F							2				71
ASPAFF 1			C03A1		1-16	F							2				71
ASPAFF 1			C02A1		1-17	F							2				71
ASPAFF 1			C01A1		1-18	P							2				71
ASPAFF 1															21-6/8		71

ASPAFF 2			A01R1		1-01	P							1				73
ASPAFF 2			A02R1		1-02	P							2				73
ASPAFF 2			A03R1		1-03	P							2				73
ASPAFF 2			A04R1		1-04	P							2				73
ASPAFF 2			A05R1		1-05	P							2				73
ASPAFF 2			A06R1		1-06	P							2				73
ASPAFF 2			A07R1		1-07	P							2				73
ASPAFF 2			A08R1		1-08	P							2				73
ASPAFF 2			A09R1		1-09	P							2				73
ASPAFF 2			C09R1		1-10	F							2				73
ASPAFF 2			C08R1		1-11	P							2				73
ASPAFF 2			C07R1		1-12	P							2				73
ASPAFF 2			C06R1		1-13	P							2				73
ASPAFF 2			C05A1		1-14	P							2				73
ASPAFF 2			C04R1		1-15	P							2				73
ASPAFF 2			C03B1		1-16	P							2				73
ASPAFF 2			C02A1		1-17	P							2				73
ASPAFF 2			C01B1		1-18	P							2				73
ASPAFF 2															21-6/8		73



DDV11R.PA	WRP28B.V34(62)-1	31-JUL-75	14-ADT-76	91AW	PAGE 26	NO LENGTH EXCEPTIONS	REP
RUN NAME	A/P PIN ORDER PIN	ORDER RAY	Q DRAW HV RG Y X Z	REMARKS	FLAG	NUMBER	NUMBER
GND 01	D03C2	1-37	P			1	77
GND 01	D04C2	1-38	P			1	77
GND 01	D05C2	1-39	P			1	77
GND 01	D06C2	1-40	F			1	77
GND 01	D07C2	1-41	P			1	77
GND 01	D08C2	1-42	P			1	77
GND 01	D09C2	1-43	P			1	77
GND 01					49-7/H		77
GND 02	A09T1	1-01	P			1	74
GND 02	A08T1	1-02	P			1	74
GND 02	A07T1	1-03	P			1	74
GND 02	A06T1	1-04	P			1	74
GND 02	A06M1	1-05	P			1-1/H	74
GND 02	A05M1	1-06	P			1	74
GND 02	A05T1	1-07	P			1-1/H	74
GND 02	A04T1	1-08	P			1	74
GND 02	A03T1	1-09	P			1	74
GND 02	A02T1	1-10	P			1	74
GND 02	A01T1	1-11	P			4-3/H	74
GND 02	F01C2	1-12	P			1	74
GND 02	F02C2	1-13	P			1	74
GND 02	F03C2	1-14	F			1	74
GND 02	E04C2	1-15	P			1	74
GND 02	F05C2	1-16	P			1	74
GND 02	F06C2	1-17	P			1	74
GND 02	F07C2	1-18	F			1	74
GND 02	F08C2	1-19	F			1	74
GND 02	F09C2	1-20	P			2-1/H	74
GND 02	F09T1	1-21	P			1	74
GND 02	F08T1	1-22	P			1	74
GND 02	F07T1	1-23	P			1	74
GND 02	F06T1	1-24	P			1	74
GND 02	F05T1	1-25	P			1	74
GND 02	F04T1	1-26	F			1	74
GND 02	F03T1	1-27	P			1	74
GND 02	F02T1	1-28	F			1	74
GND 02	F01T1	1-29	F			1-5/H	74
GND 02	F01C2	1-30	F			1	74
GND 02	F02C2	1-31	P			1	74
GND 02	F03C2	1-32	F			1	74
GND 02	F04C2	1-33	P			1	74
GND 02	F05C2	1-34	P			1	74
GND 02	F06C2	1-35	P			1	74
GND 02	F07C2	1-36	F			1	74
GND 02	F08C2	1-37	F			1	74
GND 02	F09C2	1-38	P			2-1/H	74
GND 02	F09T1	1-39	F			1	74
GND 02	F08T1	1-40	F			1	74
GND 02	F07T1	1-41	F			1	74
GND 02	F06T1	1-42	P			1	74
GND 02	F05T1	1-43	P			1	74
GND 02	F04T1	1-44	P			1	74
GND 02	F03T1	1-45	P			1	74
GND 02	F02T1	1-46	P			1	74
GND 02	F01T1	1-47	P			1	74

DDV11R.PA	WRP28B.V34(62)-1	31-JUL-75	14-ADT-76	91AW	PAGE 27	NO LENGTH EXCEPTIONS	REP
RUN NAME	A/P PIN ORDER PIN	ORDER RAY	Q DRAW HV RG Y X Z	REMARKS	FLAG	NUMBER	NUMBER
GND 02						57-1/H	74
GND 03	R09J1	1-01	P			1	74
GND 03	R08J1	1-02	P			1	74
GND 03	R07J1	1-03	P			1	74
GND 03	E06J1	1-04	P			2-5/H	74
GND 03	R06M1	1-05	F			2-5/H	74
GND 03	R05J1	1-06	P			2-5/H	74
GND 03	R05M1	1-07	P			2-5/H	74
GND 03	R04J1	1-08	P			2-5/H	74
GND 03	B04M1	1-09	P			2-5/H	74
GND 03	R03J1	1-10	P			2-7/H	74
GND 03	A03M1	1-11	P			1	74
GND 03	A02M1	1-12	F			2-7/H	74
GND 03	A01M1	1-13	P			2-5/H	74
GND 03	R01J1	1-14	P			2-5/H	74
GND 03	R02M1	1-15	P			2-5/H	74
GND 03	R02J1	1-16	P			2-5/H	74
GND 03	R03M1	1-17	P			1-4/H	74
GND 03	R01M1	1-18	P			3	74
GND 03	C01M1	1-19	P			1	74
GND 03	C02M1	1-20	P			1	74
GND 03	C03M1	1-21	P			1	74
GND 03	C04M1	1-22	P			1	74
GND 03	C05M1	1-23	P			1	74
GND 03	C06M1	1-24	P			1	74
GND 03	C07M1	1-25	P			1	74
GND 03	C08M1	1-26	P			2-7/H	74
GND 03	C09M1	1-27	P			2-7/H	74
GND 03	D09J1	1-28	P			2-7/H	74
GND 03	D09M1	1-29	P			2-7/H	74
GND 03	D08J1	1-30	P			2-7/H	74
GND 03	D08M1	1-31	P			2-7/H	74
GND 03	D07J1	1-32	P			2-7/H	74
GND 03	D07M1	1-33	P			2-7/H	74
GND 03	D06J1	1-34	P			2-7/H	74
GND 03	D06M1	1-35	P			2-7/H	74
GND 03	D05J1	1-36	P			2-7/H	74
GND 03	D05M1	1-37	P			2-7/H	74
GND 03	D04J1	1-38	P			2-7/H	74
GND 03	D04M1	1-39	P			2-7/H	74
GND 03	D03J1	1-40	P			2-7/H	74
GND 03	D03M1	1-41	P			2-7/H	74
GND 03	D02J1	1-42	P			2-7/H	74
GND 03	D02M1	1-43	P			2-7/H	74
GND 03	D01J1	1-44	P			2-7/H	74
GND 03	D01M1	1-45	P			2-7/H	74
GND 03						42-3/H	74

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RUN NUMBER

A/P	PIN	NAME	ORDER	PIN	RAY	Q	DRAW	PV	RG	Y	X	Z	REMARKS	FLAG	MC LENGTH EXCEPTIONS	RUN NUMBER
		GND 04	A01J1		1-01	P						2			1	01
		GND 04	A02J1		1-02	P						2			1	02
		GND 04	A03J1		1-03	P						2			0-5/8	03
		GND 04	A04M1		1-04	P						2			0-5/8	04
		GND 04	A04J1		1-05	P						2			1	05
		GND 04	A05J1		1-06	P						2			1	06
		GND 04	A06J1		1-07	P						2			1	07
		GND 04	A07J1		1-08	P						2			1	08
		GND 04	A08J1		1-09	P						2			1	09
		GND 04	A09J1		1-10	P						2			3-5/8	10
		GND 04	B09M1		1-11	P						2			1	11
		GND 04	B08M1		1-12	P						2			1	12
		GND 04	B07M1		1-13	P						2			1	13
		GND 04	B06T1		1-14	F						2			1-2/8	14
		GND 04	R07T1		1-15	P						2			1	15
		GND 04	R08T1		1-16	P						2			1	16
		GND 04	R09T1		1-17	P						2			1	17
		GND 04	C09J1		1-18	P						2			2	18
		GND 04	C08J1		1-19	P						2			1	19
		GND 04	C07J1		1-20	P						2			1	20
		GND 04	C06J1		1-21	P						2			1	21
		GND 04	C05J1		1-22	P						2			1	22
		GND 04	C04J1		1-23	P						2			1	23
		GND 04	C03J1		1-24	P						2			1	24
		GND 04	C02C2		1-25	P						2			1	25
		GND 04	C02C2		1-26	P						2			1	26
		GND 04	C03C2		1-27	P						2			1	27
		GND 04	C04C2		1-28	P						2			1	28
		GND 04	R05T1		1-29	P						2			1-3/8	29
		GND 04	R04T1		1-30	P						2			1	30
		GND 04	R03T1		1-31	P						2			1	31
		GND 04	R02T1		1-32	P						2			1	32
		GND 04	R01T1		1-33	P						2			1	33
		GND 04	C01C2		1-34	P						2			1-3/8	34
		GND 04	C01J1		1-35	P						2			1-1/8	35
		GND 04	D01T1		1-36	P						2			1-2/8	36
		GND 04	D02T1		1-37	P						2			1	37
		GND 04	D03T1		1-38	P						2			1	38
		GND 04	D04T1		1-39	F						2			1	39
		GND 04	D05T1		1-40	P						2			1	40
		GND 04	D06T1		1-41	P						2			1	41
		GND 04	D07T1		1-42	F						2			1	42
		GND 04	D08T1		1-43	F						2			1	43
		GND 04	D09T1		1-44	P						2			1	44
		GND 04	D09T1		1-45	P						2			1	45
		MSPARE 01A	C01K1		1-01	P						1			51-3/8	01
		MSPARE 01A	C01L1		1-02	P						1			0-1/8	02
		MSPARE 01A	D01K1		1-01	F						1			0-1/8	01
		MSPARE 01A	D01L1		1-02	F						1			0-1/8	02

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RUN NUMBER

A/P	PIN	NAME	ORDER	PIN	RAY	Q	DRAW	PV	RG	Y	X	Z	REMARKS	FLAG	MC LENGTH EXCEPTIONS	RUN NUMBER
		MSPARE 02A	C02K1		1-01	F						1			0-1/8	01
		MSPARE 02A	C02L1		1-02	F						1			0-1/8	02
		MSPARE 02A	D02K1		1-01	F						1			0-1/8	01
		MSPARE 02A	D02L1		1-02	F						1			0-1/8	02
		MSPARE 03A	C03K1		1-01	P						1			0-1/8	01
		MSPARE 03A	C03L1		1-02	P						1			0-1/8	02
		MSPARE 03R	D03K1		1-01	P						1			0-1/8	01
		MSPARE 03R	D03L1		1-02	P						1			0-1/8	02
		MSPARE 04A	C04K1		1-01	P						1			0-1/8	01
		MSPARE 04A	C04L1		1-02	P						1			0-1/8	02
		MSPARE 04R	D04K1		1-01	F						1			0-1/8	01
		MSPARE 04R	D04L1		1-02	F						1			0-1/8	02
		MSPARE 05A	C05K1		1-01	P						1			0-1/8	01
		MSPARE 05A	C05L1		1-02	P						1			0-1/8	02
		MSPARE 05R	D05K1		1-01	P						1			0-1/8	01
		MSPARE 05R	D05L1		1-02	P						1			0-1/8	02
		MSPARE 06A	C06K1		1-01	P						1			0-1/8	01
		MSPARE 06A	C06L1		1-02	P						1			0-1/8	02
		MSPARE 06R	D06K1		1-01	F						1			0-1/8	01
		MSPARE 06R	D06L1		1-02	F						1			0-1/8	02
		MSPARE 07A	C07K1		1-01	P						1			0-1/8	01
		MSPARE 07A	C07L1		1-02	P						1			0-1/8	02
		MSPARE 07R	D07K1		1-01	P						1			0-1/8	01
		MSPARE 07R	D07L1		1-02	P						1			0-1/8	02
		MSPARE 08A	C08K1		1-01	P						1			0-1/8	01
		MSPARE 08A	C08L1		1-02	P						1			0-1/8	02
		MSPARE 08R	D08K1		1-01	P						1			0-1/8	01
		MSPARE 08R	D08L1		1-02	P						1			0-1/8	02

DDV11R.P0	WPP2RR.V34(62)=1	31-JUL-75	14-AUG-76	9:58	FACE 30	
RUN NAME	A/P PIN ORDER	HAY ORDER	Q DRAW RV RG Y X Z	REMARKS	NC INTRM EXCEPTIOS	
	NAME	PIN	OPT		FLAG	
MSPARE 09A	C09K1	1-01	P	1	0-1/H	97
MSPARE 09A	C09L1	1-02	P		0-1/H	97
MSPARE 09B	D09K1	1-01	P	1	0-1/H	94
MSPARE 09B	D09L1	1-02	P		0-1/H	94
MSPARE 10A	A01K1	1-01	P	1	0-1/H	97
MSPARE 10A	A01L1	1-02	P		0-1/H	97
MSPARE 10A	R01K1	1-01	P	1	0-1/H	94
MSPARE 10A	R01L1	1-02	P		0-1/H	94
MSPARE 11A	A02K1	1-01	P	1	0-1/H	101
MSPARE 11A	A02L1	1-02	P		0-1/H	101
MSPARE 11A	R02K1	1-01	P	1	0-1/H	102
MSPARE 11A	R02L1	1-02	P		0-1/H	102
MSPARE 12A	A03K1	1-01	P	1	0-1/H	103
MSPARE 12A	A03L1	1-02	P		0-1/H	103
MSPARE 12B	R03K1	1-01	P	1	0-1/H	104
MSPARE 12B	R03L1	1-02	P		0-1/H	104
MSPARE 13A	A04K1	1-01	P	1	0-1/H	105
MSPARE 13A	A04L1	1-02	P		0-1/H	105
MSPARE 13B	R04K1	1-01	P	1	0-1/H	106
MSPARE 13B	R04L1	1-02	P		0-1/H	106
MSPARE 14A	A05K1	1-01	P	1	0-1/H	107
MSPARE 14A	A05L1	1-02	P		0-1/H	107
MSPARE 14B	R05K1	1-01	P	1	0-1/H	108
MSPARE 14B	R05L1	1-02	P		0-1/H	108
MSPARE 15A	A06K1	1-01	P	1	0-1/H	109
MSPARE 15A	A06L1	1-02	P		0-1/H	109
MSPARE 15B	R06K1	1-01	P	1	0-1/H	110
MSPARE 15B	R06L1	1-02	P		0-1/H	110

DDV11R.P0	WPP2RR.V34(62)=1	31-JUL-75	14-AUG-76	9:58	FACE 31	
RUN NAME	A/P PIN ORDER	HAY ORDER	Q DRAW RV RG Y X Z	REMARKS	NC INTRM EXCEPTIOS	
	NAME	PIN	OPT		FLAG	
MSPARE 16A	A07K1	1-01	P	1	0-1/H	111
MSPARE 16A	A07L1	1-02	P		0-1/H	111
MSPARE 16B	R07K1	1-01	P	1	0-1/H	112
MSPARE 16B	R07L1	1-02	P		0-1/H	112
MSPARE 17A	A08K1	1-01	P	1	0-1/H	113
MSPARE 17A	A08L1	1-02	P		0-1/H	113
MSPARE 17B	R08K1	1-01	P	1	0-1/H	114
MSPARE 17B	R08L1	1-02	P		0-1/H	114
MSPARE 18A	A09K1	1-01	P	1	0-1/H	115
MSPARE 18A	A09L1	1-02	P		0-1/H	115
MSPARE 18B	R09K1	1-01	P	1	0-1/H	116
MSPARE 18B	R09L1	1-02	P		0-1/H	116

