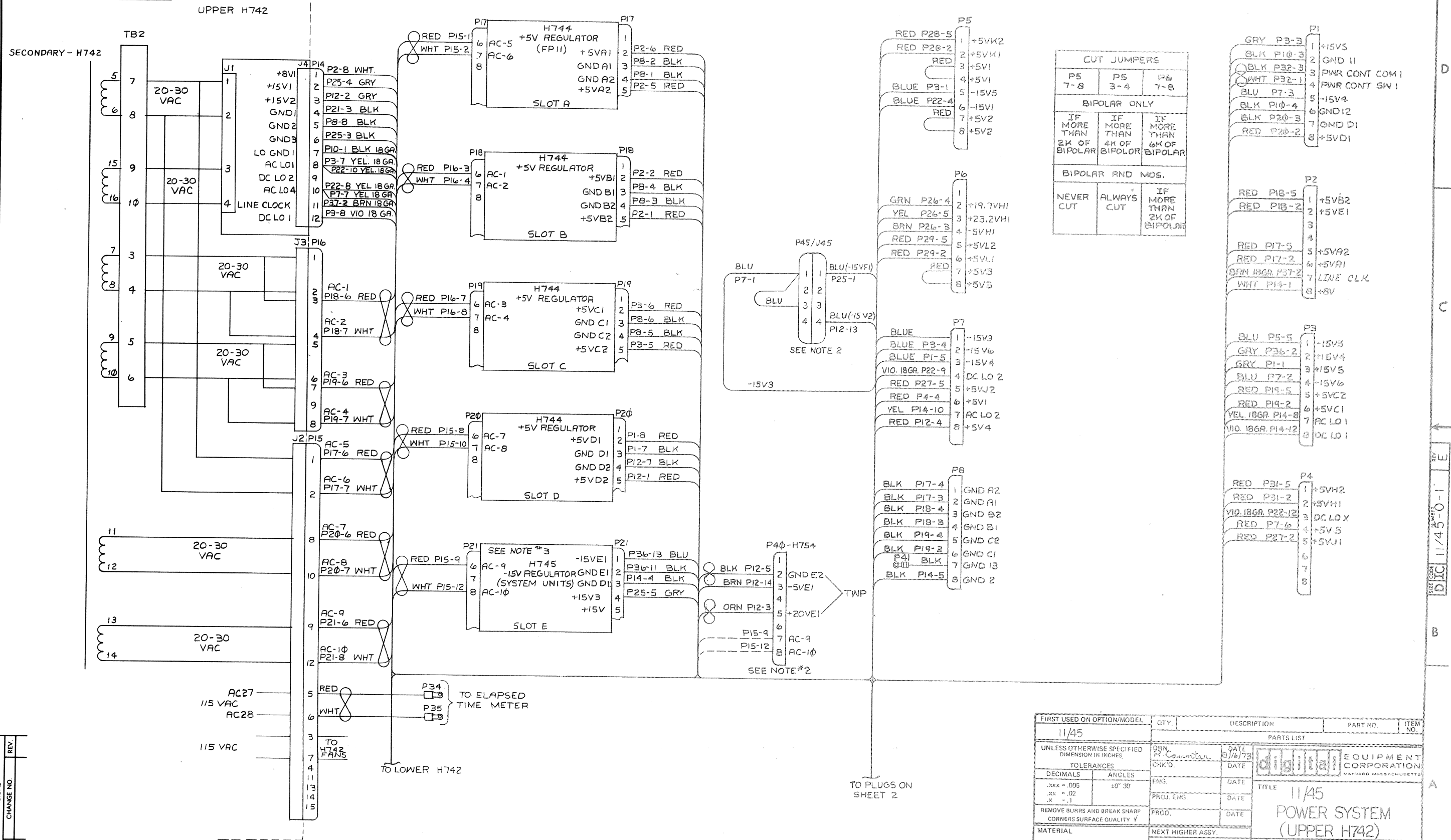


FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
11/45					
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN CHKD ENG	DATE 4-11-72 DATE 4/24/72 DATE 4/24/72	digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS	
DECIMALS	ANGLES	PROD. FAC	DATE 4/24/72	TITLE	
.XXX ± .005 .XX ± .02 .X ± .1	± 0° 30'			POWER SYSTEMS CONFIGURATION	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY ✓		NEXT HIGHER ASSY.	SIZE CODE	NUMBER	REV
MATERIAL		B-DD-11/45-Ø	DIC	11/45-Ø-1	E
FINISH	SCALE	SHEET	OF 5	DIST.	

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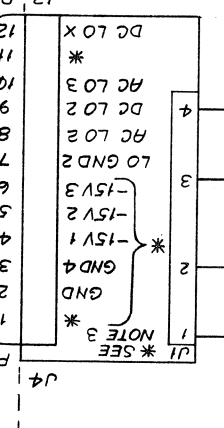
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
11/45				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES				
DECIMALS	ANGLES	DATE	PARTS LIST	
.xxx = .005	10° 30'	8/16/73	DIGITAL EQUIPMENT CORPORATION	
.xx = .02		DATE	MAYNARD, MASSACHUSETTS	
.x = .1		DATE	TITLE 11/45	
REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY V			POWER SYSTEM (UPPER H742)	
MATERIAL	NEXT HIGHER ASSY.	DATE	SIZE/CODE	NUMBER
FINISH	SCALE NONE	DATE	DIC 11/45-0-1	REV. E
SHEET 2 OF 5		DIST.		

REV	CHANGE NO	REVISIONS

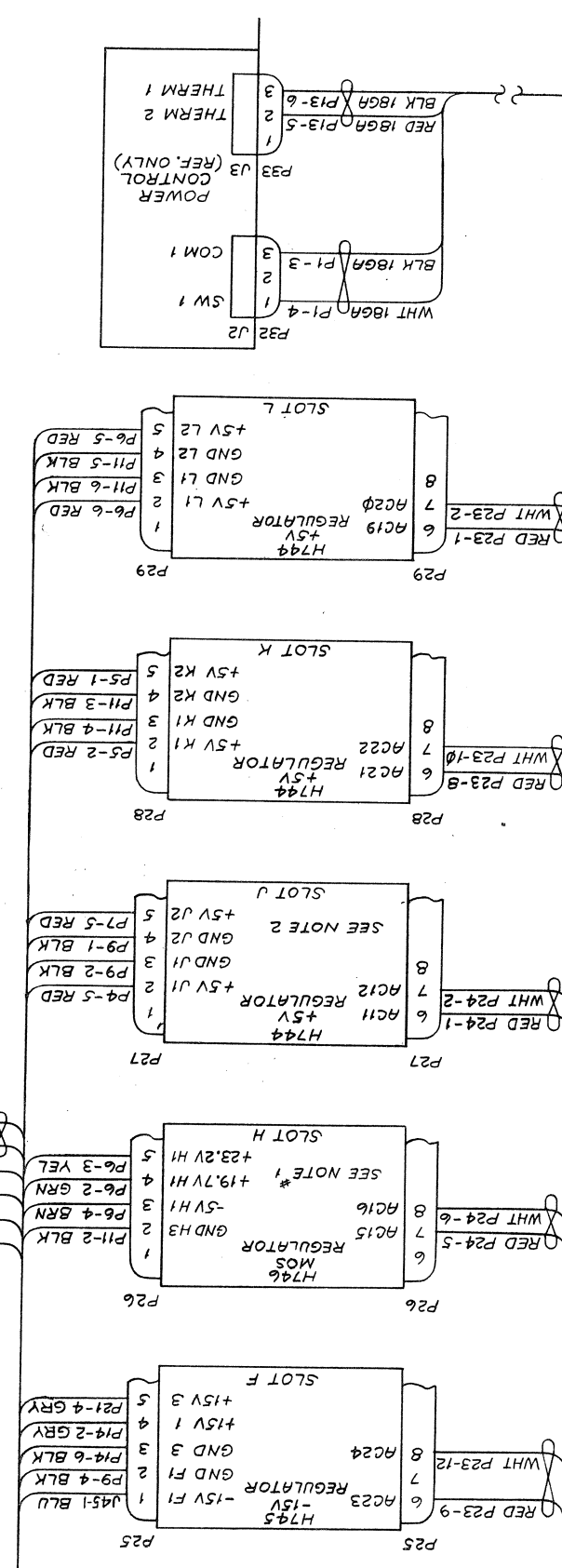
REV	CHANGE NO	REVISIONS

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LOWER H742

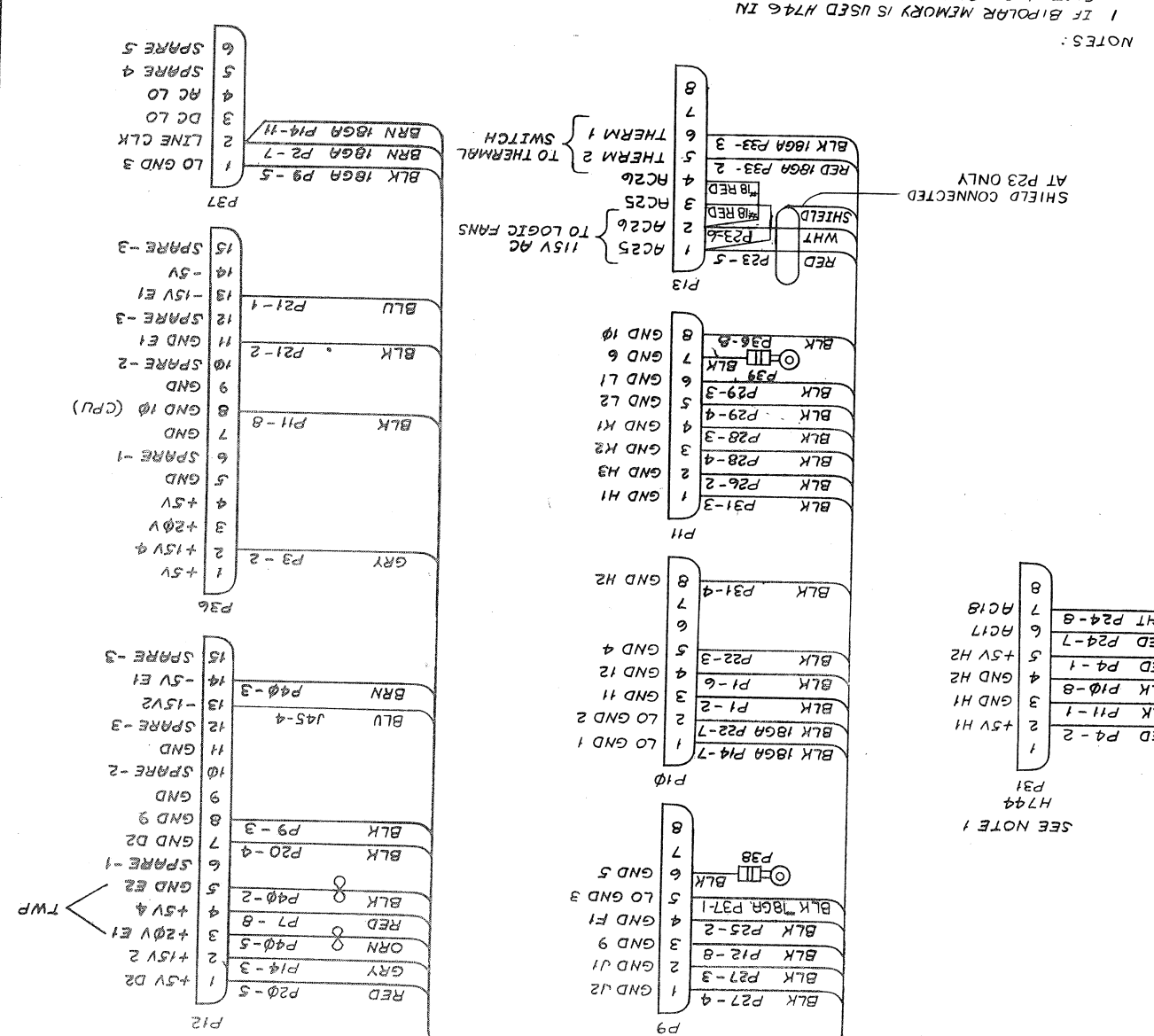


TO UPPER H742



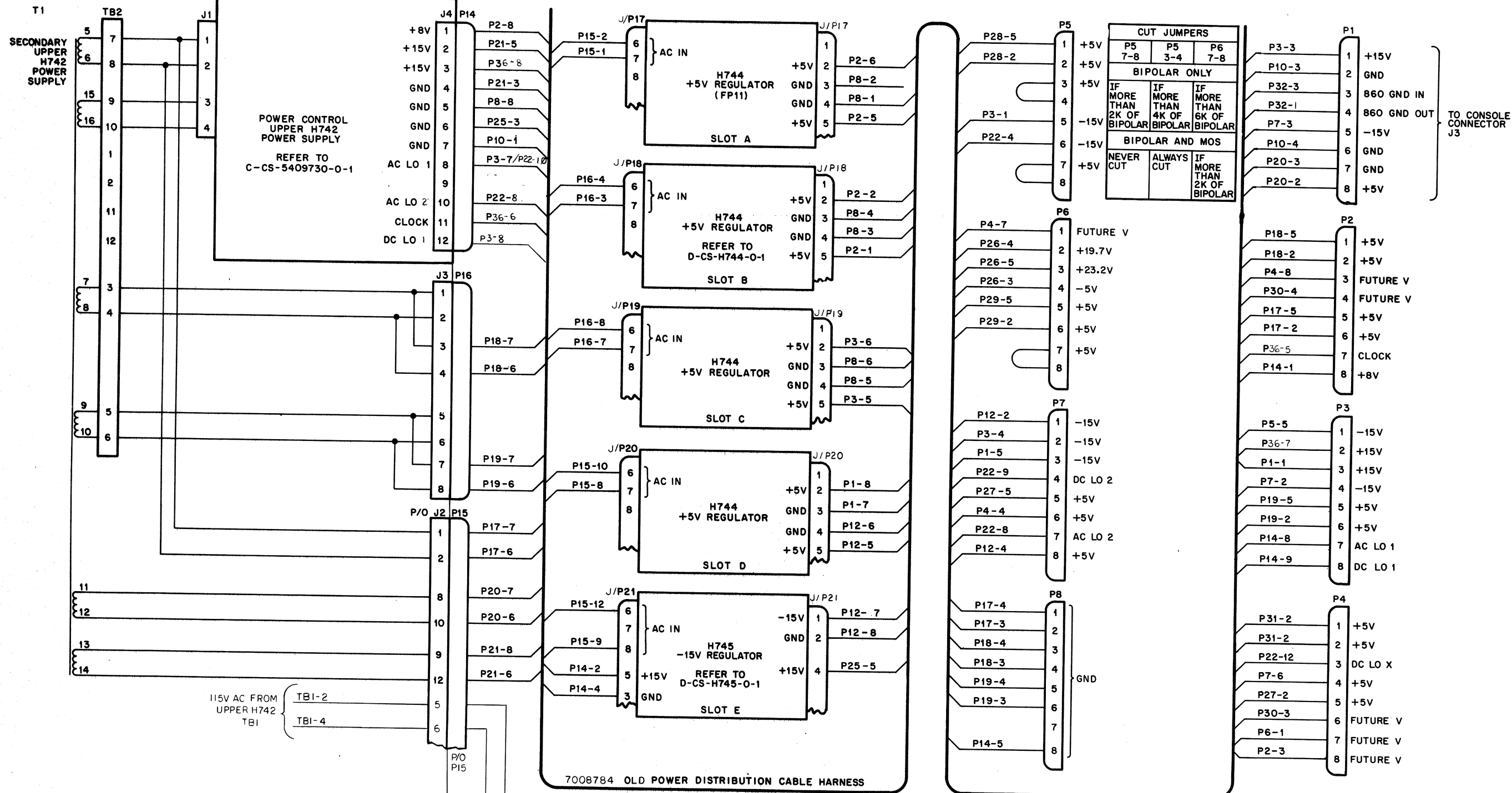
- NOTES:
1. IF BIPOLAR MEMORY IS USED H746 IN SLOT H IS REPLACED BY H744 AND CONN-ECTOR P31 IS USED INSTEAD OF P26.
 2. IF MEMORY OR OTHER OPTION REQUIRING LOCATION, REPLACE SLOT E-H745 WITH H754 AND USE P40 INSTEAD OF P21. ALSO MOVE AC WIRES FROM P21-6, 8 TO P40-7, 8. TO PERMIT INSTALLATION OF OPTIONS REQUIRING -15V IN SYSTEM UNIT. MOVE JUMPER FROM P45 PIN 3 TO P45-PIN 4. TO PROVIDE -15V. THEREFORE LINE CLOCK AND +8V OUTPUTS OF THIS H742 MUST NOT BE USED.

FINISH		SCALE		SHEET		REV	
MATERIAL		REMOVE BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		DATE		DATE	
TOLERANCES		UNLESS OTHERWISE SPECIFIED		DATE		DATE	
DIMENSION IN INCHES		UNLESS OTHERWISE SPECIFIED		DATE		DATE	
PARTS LIST		11/45		DATE		DATE	
ITEM NO.		PART NO.		DESCRIPTION		QTY.	
1		11/45		EQUIPMENT CORPORATION		1	
2		11/45		POWER SYSTEM (LOWER H742)		1	
3		11/45		DIGITAL		1	
4		11/45		EQUIPMENT CORPORATION		1	
5		11/45		POWER SYSTEM (LOWER H742)		1	
6		11/45		DIGITAL		1	
7		11/45		EQUIPMENT CORPORATION		1	
8		11/45		POWER SYSTEM (LOWER H742)		1	
9		11/45		DIGITAL		1	
10		11/45		EQUIPMENT CORPORATION		1	
11		11/45		POWER SYSTEM (LOWER H742)		1	
12		11/45		DIGITAL		1	
13		11/45		EQUIPMENT CORPORATION		1	
14		11/45		POWER SYSTEM (LOWER H742)		1	
15		11/45		DIGITAL		1	
16		11/45		EQUIPMENT CORPORATION		1	
17		11/45		POWER SYSTEM (LOWER H742)		1	
18		11/45		DIGITAL		1	
19		11/45		EQUIPMENT CORPORATION		1	
20		11/45		POWER SYSTEM (LOWER H742)		1	
21		11/45		DIGITAL		1	
22		11/45		EQUIPMENT CORPORATION		1	
23		11/45		POWER SYSTEM (LOWER H742)		1	
24		11/45		DIGITAL		1	
25		11/45		EQUIPMENT CORPORATION		1	
26		11/45		POWER SYSTEM (LOWER H742)		1	
27		11/45		DIGITAL		1	
28		11/45		EQUIPMENT CORPORATION		1	
29		11/45		POWER SYSTEM (LOWER H742)		1	
30		11/45		DIGITAL		1	
31		11/45		EQUIPMENT CORPORATION		1	
32		11/45		POWER SYSTEM (LOWER H742)		1	
33		11/45		DIGITAL		1	
34		11/45		EQUIPMENT CORPORATION		1	
35		11/45		POWER SYSTEM (LOWER H742)		1	
36		11/45		DIGITAL		1	
37		11/45		EQUIPMENT CORPORATION		1	
38		11/45		POWER SYSTEM (LOWER H742)		1	
39		11/45		DIGITAL		1	
40		11/45		EQUIPMENT CORPORATION		1	
41		11/45		POWER SYSTEM (LOWER H742)		1	
42		11/45		DIGITAL		1	
43		11/45		EQUIPMENT CORPORATION		1	
44		11/45		POWER SYSTEM (LOWER H742)		1	
45		11/45		DIGITAL		1	
46		11/45		EQUIPMENT CORPORATION		1	
47		11/45		POWER SYSTEM (LOWER H742)		1	
48		11/45		DIGITAL		1	
49		11/45		EQUIPMENT CORPORATION		1	
50		11/45		POWER SYSTEM (LOWER H742)		1	
51		11/45		DIGITAL		1	
52		11/45		EQUIPMENT CORPORATION		1	
53		11/45		POWER SYSTEM (LOWER H742)		1	
54		11/45		DIGITAL		1	
55		11/45		EQUIPMENT CORPORATION		1	
56		11/45		POWER SYSTEM (LOWER H742)		1	
57		11/45		DIGITAL		1	
58		11/45		EQUIPMENT CORPORATION		1	
59		11/45		POWER SYSTEM (LOWER H742)		1	
60		11/45		DIGITAL		1	
61		11/45		EQUIPMENT CORPORATION		1	
62		11/45		POWER SYSTEM (LOWER H742)		1	
63		11/45		DIGITAL		1	
64		11/45		EQUIPMENT CORPORATION		1	
65		11/45		POWER SYSTEM (LOWER H742)		1	
66		11/45		DIGITAL		1	
67		11/45		EQUIPMENT CORPORATION		1	
68		11/45		POWER SYSTEM (LOWER H742)		1	
69		11/45		DIGITAL		1	
70		11/45		EQUIPMENT CORPORATION		1	
71		11/45		POWER SYSTEM (LOWER H742)		1	
72		11/45		DIGITAL		1	
73		11/45		EQUIPMENT CORPORATION		1	
74		11/45		POWER SYSTEM (LOWER H742)		1	
75		11/45		DIGITAL		1	
76		11/45		EQUIPMENT CORPORATION		1	
77		11/45		POWER SYSTEM (LOWER H742)		1	
78		11/45		DIGITAL		1	
79		11/45		EQUIPMENT CORPORATION		1	
80		11/45		POWER SYSTEM (LOWER H742)		1	
81		11/45		DIGITAL		1	
82		11/45		EQUIPMENT CORPORATION		1	
83		11/45		POWER SYSTEM (LOWER H742)		1	
84		11/45		DIGITAL		1	
85		11/45		EQUIPMENT CORPORATION		1	
86		11/45		POWER SYSTEM (LOWER H742)		1	
87		11/45		DIGITAL		1	
88		11/45		EQUIPMENT CORPORATION		1	
89		11/45		POWER SYSTEM (LOWER H742)		1	
90		11/45		DIGITAL		1	
91		11/45		EQUIPMENT CORPORATION		1	
92		11/45		POWER SYSTEM (LOWER H742)		1	
93		11/45		DIGITAL		1	
94		11/45		EQUIPMENT CORPORATION		1	
95		11/45		POWER SYSTEM (LOWER H742)		1	
96		11/45		DIGITAL		1	
97		11/45		EQUIPMENT CORPORATION		1	
98		11/45		POWER SYSTEM (LOWER H742)		1	
99		11/45		DIGITAL		1	
100		11/45		EQUIPMENT CORPORATION		1	



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UPPER H742 POWER SUPPLY



THIS SHEET APPLIES TO MACHINES WITH SERIAL NUMBERS LESS THAN 2000.

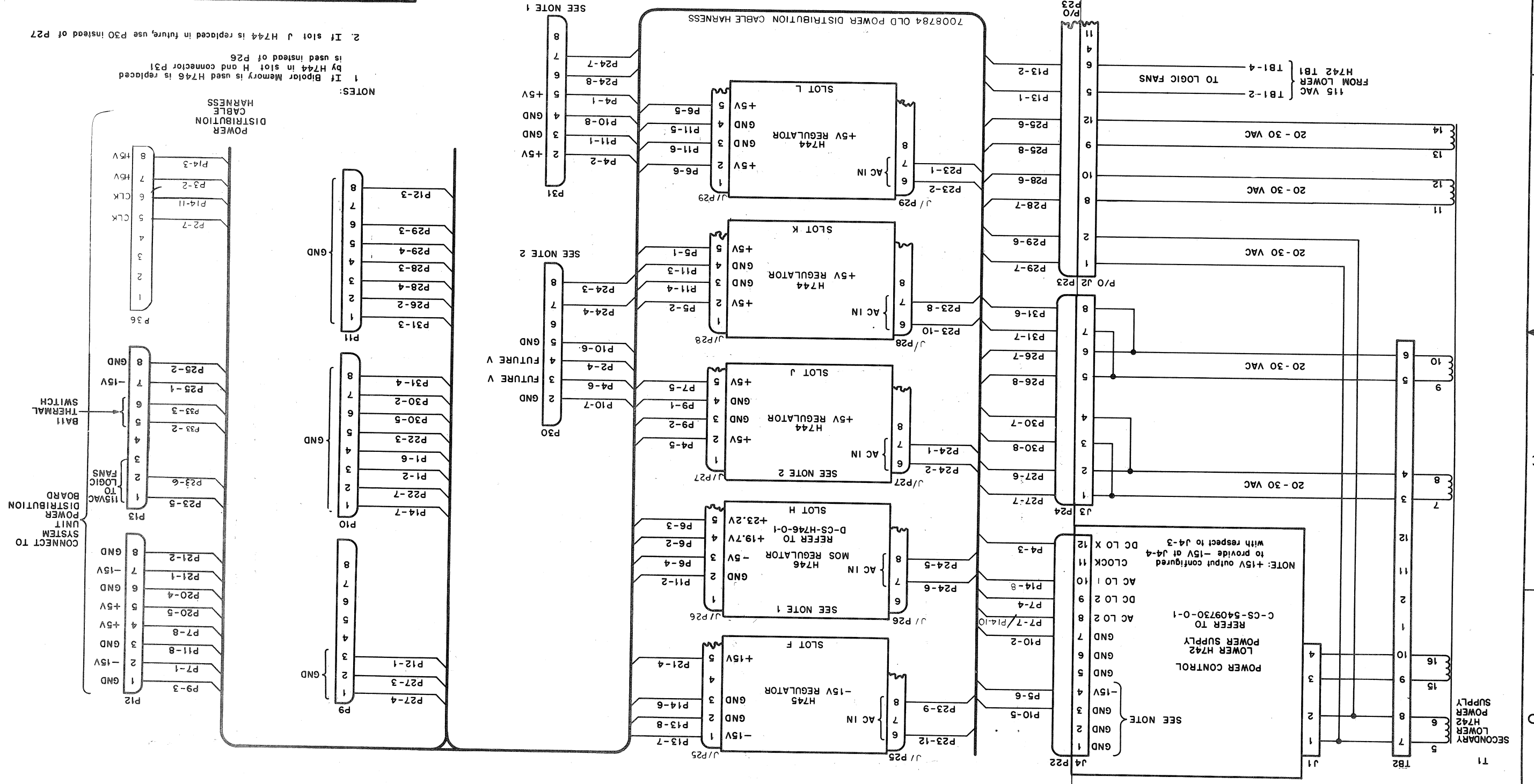
FIRST USED ON OPTION/MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
11/45				
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES				
DECIMALS	ANGLES	TITLE		
.XXX = .005	±0° 30'	OLD POWER SYSTEMS CONFIGURATION		
.XX = .02		REMOVAL OF BURRS AND BREAK SHARP CORNERS SURFACE QUALITY		
.X = .1		MATERIAL		
FINISH		NEXT HIGHER ASSY.		
		B-DD-11/45-0		
		SCALE		
		SHEET 4 OF 5		
		DISTRIBUTION		

digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

REV. E

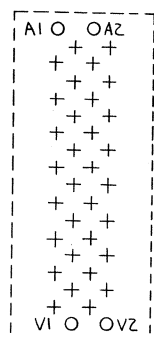
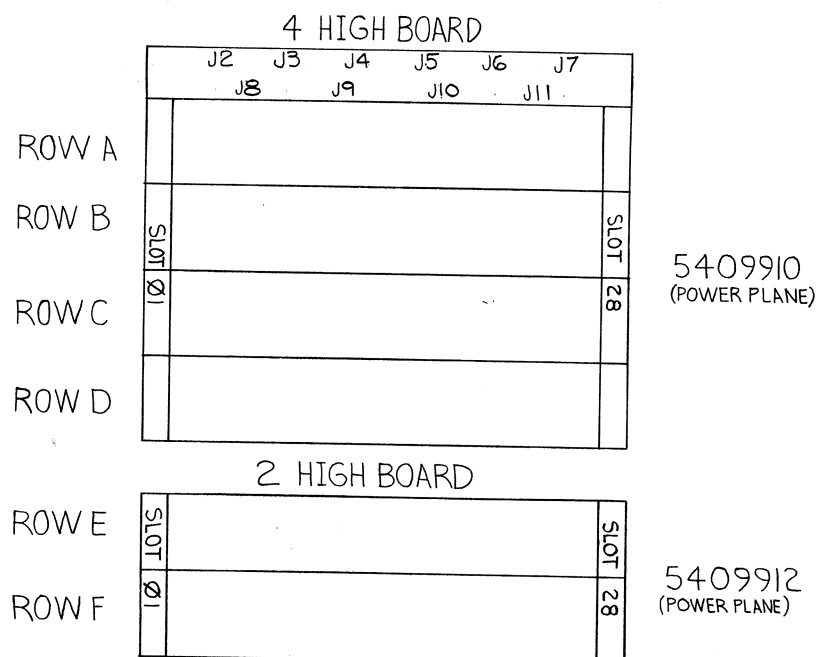
1	2	SIZE CODE	NUMBER	REV.
		D	IC 111/45-0-1	E

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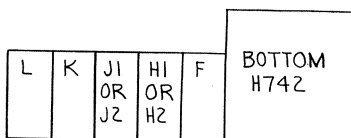
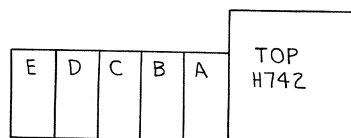
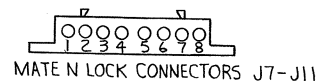
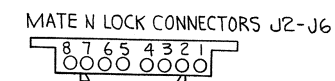


	PIN	ROW	SLOT	MATE N LOCK CONNECTION
GROUND	C2, N2, T1	A-F	Z-25	J8-1, 8
	C2, T1	A-F	1, 26-28	J9-1, 8
	B2, V2	A, B	↑	J10-1, 8
	N1, P1, R1, S1	A		J11-1, 8
	D1, E1	B		1, 26-28

1. THIS LISTING IS FURNISHED TO SHOW COMBINATIONS OF MATE N LOCK CONNECTORS (J#) AND WIREWRAP PINS THAT ARE TO BE ETCHED TOGETHER. VOLTAGES WILL BE WIREWRAPPED BETWEEN 5409910 AND 5409912
2. ALL MATE N LOCK CONNECTORS AND PINS LISTED ARE CONNECTED TOGETHER BY THE GROUND PLANE (5409910 - 4 HIGH BOARD). WIREWRAP CONNECTIONS WILL BE MADE BETWEEN DXT1 (5409910) AND EXXC2 (5409912) - XX = SLOT NUMBERS 01-28



PIN CONFIGURATION
(ONE ROW-ONE SLOT SECTION)



REGULATOR LOCATIONS

FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION		PART NO.		ITEM NO.	
PDP11/45		PARTS LIST						
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES. TOLERANCES		DRN. <i>S. Roberts</i>	DATE <i>4/26/72</i>	 DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS				
DECIMALS ANGLES		CHK'D. <i>C. Cook</i>	DATE <i>4/26/72</i>					
.XXX = .005 ± 0° 30'		ENG. <i>J. Sullivan</i>	DATE <i>4/28/72</i>					
.XX = .02		PROJECT/ENG. <i>W. Del.</i>	DATE <i>4/28/72</i>					
X = .1		PROD. <i>C. Sullivan</i>	DATE <i>5-1-72</i>	TITLE 11/45 BACK PANEL PC BOARD				
REMOVE BURRS AND BREAK SHARP CORNERS. SURFACE QUALITY ✓		NEXT HIGHER ASSY.			SIZE CODE		NUMBER	
MATERIAL — // —		B-DD-11/45-0			D I C		11/45-0-2	
FINISH — // —		SCALE — // —			REV.			
		SHEET 1 OF 1			DIST.			

REVISIONS		
CHK	CHANGE NO.	REV.
28	11/45-00057	A
Dr. Vardas 3-21-74		
V. BOAEN		
David Boen		

FIRST USED ON OPTION MODEL	11/45
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QTY.	DESCRIPTION	PART NO.	ITEM NO.
------	-------------	----------	----------

PARTS LIST

DRN.	DATE	3. B. B. B.
CHK'D.	DATE	11/5/73
ENG.	DATE	11/5/73
PROJ. ENG.	DATE	11/5/73
PROD.	DATE	11-5-73
NEXT HIGHER ASSEMBLY		
J-1A-7009540-0-0		
SCALE	1 OF 1	
SHEET	1 OF 1	

SIZE	CODE	NUMBER	REV.
K	WL	7009540-0-2	A
TITLE			
WIRE LIST			
DIGITAL CORPORATION			
MAYNARD, MASSACHUSETTS			

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REV.	NUMBER	CODE	SIZE
A	7009540-0-2	WL	K

RUN NAME	A/P	PIN LOCATION	BAY Q ORDER	DRAW RV RG Y	X	Z LEVEL	REMARKS	NEW RUN INDICATOR	RUN NUM
----------	-----	--------------	-------------	--------------	---	---------	---------	-------------------	---------

SEE NOTE:
SEE NOTE:

ALL WIRES #14 AWG
UNLESS OTHERWISE NOTED

+15V1								X	1
+15V		P14-2							1
		P25-4		42.25"		GRY		X	2
+15V2		P12-2							2
+15V2		P14-3		56.5"		GRY		X	3
+15V3		P21-4							3
+15V3		P25-5		51"		GRY		X	4
+15V4		P3-2							4
+15V4		P36-2		31.5"		GRY		X	5
+15V5		P1-1							5
+15V5		P3-3		18"		GRY		X	6
+19.7VH1		P26-4		72"		GRN			6
+19.7VH1		P6-2						X	7
									7
+20VE1		P12-3						X	8
+20VE1		P40-5		62.5"					8
+23.2VH1		P26-5		72"		YEL			
+23.2VH1		P6-3						X	9
+5J1		P27-2		80"					9
+5J1		P4-5				RED		X	10
+5V1		P5-3							10
+5V1		P5-4		2.25"		RED		X	11
+5V2		P5-7							11
+5V2		P5-8		2.25"		RED		X	12
+5V3		P6-7							12
+5V3		P6-8		2.25"		RED		X	13
+5V4		P12-4		20.5"		RED			13
+5V4		P7-8						X	14
+5V5		P4-4							14
+5V5		P7-6		17"		RED		X	15
+5VA1		P17-2		65"		RED			15
+5VA1		P2-6						X	16
+5VA2		P17-5		65.5"		RED			16
+5VA2		P2-5						X	17
+5VR2		P18-5		69"		RED			17
+5VR2		P2-1						X	18

URN=BLK TWP(GND E2)

RUN NAME	A/P	PIN LOCATION	BAY Q ORDER	DRAW RV RG Y	X	Z LEVEL	REMARKS	NEW RUN INDICATOR	RUN NUM
----------	-----	--------------	-------------	--------------	---	---------	---------	-------------------	---------

+5VC1		P19-2		71"		RED		X	19
+5VC1		P3-6							19
+5VC2		P19-5		71"		RED			20
+5VC2		P3-5						X	20
+5VD1		P1-8							21
+5VD1		P20-2		82"		RED		X	21
+5VD2		P12-1							22
+5VD2		P20-5		59.5"		RED		X	22
+5VE1		P18-2		69"		RED			23
+5VE1		P2-2						X	23
+5VH1		P31-2		77"		RED			24
+5VH1		P4-2						X	24
+5VH2		P31-5		77"		RED			25
+5VH2		P4-1						X	25
+5VJ2		P27-5		72.5"		RED			26
+5VJ2		P7-5						X	26
+5VK1		P28-2		81.25"		RED			27
+5VK1		P5-2						X	27
+5VK2		P28-5		81"		RED			28
+5VK2		P5-1						X	28
+5VL1		P29-2		81"		RED			29
+5VL1		P6-6						X	29
+5VL2		P29-5		81"		RED			30
+5VL2		P6-5						X	30
+8V		P14-1		71"		WHT			31
+8V		P2-8						X	31
-15V1		P22-4		76.5"		BLU			32
-15V1		P5-6						X	32
-15V2		J45-4		21"		BLU			33
-15V2		P12-13						X	33
-15V3		P07-1		4"		BLU			34
-15V3		P45-1		2"		BLU		X	34
-15V3		P45-3							34
-15V4		P1-5							35
-15V4		P7-3		27.75"		BLU		X	35
-15V5		P3-1							36
-15V5		P5-5		14.5"		BLU		X	36

#18AWG
#18AWG

1145PH.WNL NAME SUPRT

WRL18D.SAV(18)

15-MAR-72

1-MAR-74

15:35

PAGE 3

RUN NAME

A/P PIN

LOCATION

HAY ORDER

Q

DRAW RV RG Y

X

Z LEVEL

REMARKS

NEW RUN INDICATOR

RUN NUM

-15V6

P3-4
P7-2 19.5"

BLU

X

37

-15VE1

P21-1
P36-13 64"

BLU

X

38

-15VF1

J45-1
P25-1 65"

BLU

X

39

-5VE1

P12-14
P40-3 62.75"

BRN

X

40

-5VH1

P26-3 72.5"
P6-4

BRN

X

41

AC L01

P14-8 70.5
P3-7

YEL

X

42

AC L01

P14-8
P22-10 47"

YEL

X

43

AC L02

P14-10
P7-7 60.25"

YEL

X

44

AC L02

P14-10
P22-8 46"

YEL

X

45

AC01

P16-3
P18-6 12"

RED-WHT TWP(AC2)

X

46

AC02

P16-4
P18-7 12"

WHT-RED TWP(AC1)

X

47

AC03

P16-7
P19-6 15.75"

RED-WHT TWP(AC4)

X

48

AC04

P16-8
P19-7 15.75"

WHT-RED TWP(AC3)

X

49

AC05

P15-1
P17-6 11.5"

RED-WHT TWP(AC6)

X

50

AC06

P15-2
P17-7 11.5"

WHT-RED TWP(AC5)

X

51

AC07

P15-8
P20-6 16"

RED-WHT TWP(AC8)

X

52

AC08

P15-10
P20-7 16"

WHT-RED TWP(AC7)

X

53

AC09

P15-9
P21-6 21.5"

RED-WHT TWP(AC10)

X

54

1145PH.WNL NAME SORT

WRL18D.SAV(18)

15-MAR-72

1-MAR-74

15:35

PAGE 4

RUN NAME

A/P

PIN

LOCATION

HAY ORDER

Q

DRAW RV RG Y

X

Z LEVEL

REMARKS

NEW RUN INDICATOR

RUN NUM

AC10

P15-12
P21-8 21.5"

WHT-RED TWP(AC9)

X

55

AC11

P24-1
P27-6 21"

RED-WHT TWP(AC12)

X

56

AC12

P24-2
P27-7 21"

WHT-RED TWP(AC11)

X

57

AC15

P24-5
P26-7 18"

RED-WHT TWP(AC16)

X

58

AC16

P24-6
P26-8 18"

WHT-RED TWP(AC15)

X

59

AC17

P24-7
P31-6 17.5"

RED-WHT TWP(AC18)

X

60

AC18

P24-8
P31-7 17.5"

WHT-RED TWP(AC17)

X

61

AC19

P23-1
P29-6 21"

RED-WHT TWP(AC20)

X

62

AC20

P23-2
P29-7 21"

WHT-RED TWP(AC19)

X

63

AC21

P23-8
P28-6 17.5"

RED-WHT TWP(AC22)

X

64

AC22

P23-10
P28-7 17.5"

WHT-RED TWP(AC21)

X

65

AC23

P23-9
P25-6 9.5"

RED-WHT TWP(AC24)

X

66

AC24

P23-12
P25-8 9.5"

WHT-RED TWP(AC23)

X

67

AC25

P13-1
P13-3 2.75"

RED

X

68

AC25

P13-1
P23-5 64.5"

RED

X

69

AC26

P13-2
P23-6 64.5"

WHT

X

70

AC26

P13-2
P13-4 2.75"

WHT

X

71

AC2

P15-5

#18AWG

X

71

RUN NAME	A/P	PIN LOCATION	BAY ORDER	Q	DRAW RV	RG Y	X	Z	LEVEL	REMARKS	NEW RUN INDICATOR	RUN NUM
AC28		P15-6										
AC28		P35									X	73
DC L01		P14-12 69.5"										
DC L01		P3-8							V10	#18AWG	X	74
DC L02		P22-9 71"							V10	#18AWG	X	75
DC L02		P7-4										75
DC L0X		P22-12							V10	#18AWG	X	76
DC L0X		P4-3 78.5"										76
GND 01		P14-4									X	77
GND 01		P21-3 28.5"							BLK			77
GND 02		P14-5 73"							BLK		X	78
GND 02		P8-8										78
GND 03		P14-6							BLK		X	79
GND 03		P25-3 43.5"										79
GND 04		P10-5							BLK		X	80
GND 04		P22-3 74"										80
GND 05		P38							BLK		X	81
GND 05		P9-6										81
GND 06		P11-7							BLK		X	82
GND 06		P39										82
GND 09		P12-8 31.5"							BLK		X	83
GND 09		P9-3										83
GND 10		P11-8							BLK		X	84
GND 10		P36-8 25.5"										84
GND 11		P1-2							BLK		X	85
GND 11		P10-3 24.5"										85
GND 12		P1-6							BLK		X	86
GND 12		P10-4 24.5"										86
GND 13		P41							BLK		X	87
GND 13		P8-7										87
GND A1		P17-3 64.5"							BLK		X	88
GND A1		P8-2										88
GND A2		P17-4 66"							BLK		X	89
GND A2		P8-1										89
GND R1		P18-3 70.75"							BLK		X	90
GND R1		P8-4										90

RUN NAME	A/P	PIN LOCATION	BAY ORDER	Q	DRAW RV	RG Y	X	Z	LEVEL	REMARKS	NEW RUN INDICATOR	RUN NUM
GND R2		P18-4 71.5"							BLK		X	91
GND R2		P8-3										91
GND C1		P19-3 73.5"							BLK		X	92
GND C1		P8-6										92
GND C2		P19-4 73.5"							BLK		X	93
GND C2		P8-5										93
GND D1		P1-7							BLK		X	94
GND D1		P20-3 82"										94
GND D2		P12-7							BLK		X	95
GND D2		P20-4 61"										95
GND E1		P21-2							BLK		X	96
GND E1		P36-11 64"										96
GND E2		P12-5									X	97
GND E2		P40-2 63"										97
GND F1		P25-2 75.5"							BLK		X	98
GND F1		P9-4										98
GND H1		P11-1							BLK		X	99
GND H1		P31-3 74.5"										99
GND H2		P10-8							BLK		X	100
GND H2		P31-4 74"										100
GND H3		P11-2							BLK		X	101
GND H3		P26-2 73"										101
GND J1		P27-3 82.5"							BLK		X	102
GND J1		P9-2										102
GND J2		P27-4 82.5"							BLK		X	103
GND J2		P9-1										103
GND K1		P11-4							BLK		X	104
GND K1		P28-3 78"										104
GND K2		P11-3							BLK		X	105
GND K2		P28-4 78"										105
GND L1		P11-6							BLK		X	106
GND L1		P29-3 81"										106
GND L2		P11-5							BLK		X	107
GND L2		P29-4 81"										107
LINE CLOCK		P14-11							BRN		X	108
LINE CLOCK		P37-2 58.5"								#18AWG		108

