



DO NOT SCALE DRAWING

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REV	DESCRIPTION	DATE	ENGINEER
J	ORIGINAL RELEASE ECN #7338	03/14/17	T LOCKRIDGE

PIN 1

PIN 50

MATING FACE
50 PIN FML DSUB
(TYP 2 PLCS)

BANK
1

BANK
2

[XX.XX]
XX.XX
TYP.

PIN A1

J1

PIN D48

192 POS QPDL RCV MOD
MATING FACE

MATING COMPONENTS		QTY.
MODULE	510151105	1
PATCHCORDS	7-121922000-036	6
	7-121422000-036	46

VPC P/N 540111040X40 WHERE X =	LENGTH XX.XX"
1	20.00" [508]
2	36.00" [914]
6	48.00" [1219]
9	60.00" [1524]
5	72.00" [1829]
RELATIVE CONNECTOR POSITIONS AND WIRE ROUTING ARE GENERIC AND MAY VARY WITH PINOUT	
DIMENSIONS ARE SHOWN AS: [MILLIMETERS] INCHES	

CUSTOMER DRAWING			
VPC			
CBA, RCV, QP to 50- Pin FML DSub x 2 f/ Keysight 34921A/3A/5A			
DWG.NO.		REV	
540111040X40		J	
SIZE	SCALE	CAGE CODE	SHEET
B	NONE	18117	1 OF 2

D

C

B

A

Run #	From Location (Conn - Pin)	Wire AWG	Wire Color	T/P #	To Location (Conn - Pin)	Signal Desc	Label
1	J1-A1	22 AWG T/P	WHT	1	BANK 1-1	BANK 1- CH1-H	BANK 1
2	J1-A2		BLK		BANK 1-2	BANK 1- CH1-L	
3	J1-A3	22 AWG T/P	WHT	2	BANK 1-3	BANK 1- CH2-H	
4	J1-A4		BLK		BANK 1-4	BANK 1- CH2-L	
5	J1-A5	22 AWG T/P	WHT	3	BANK 1-5	BANK 1- CH3-H	
6	J1-A6		BLK		BANK 1-6	BANK 1- CH3-L	
7	J1-A7	22 AWG T/P	WHT	4	BANK 1-7	BANK 1-COM 1-H	
8	J1-A8		BLK		BANK 1-8	BANK 1-COM 1-L	
9	J1-A9	22 AWG T/P	WHT	5	BANK 1-9	BANK 1- CH4-H	
10	J1-A10		BLK		BANK 1-10	BANK 1- CH4-L	
11	J1-A11	22 AWG T/P	WHT	6	BANK 1-11	BANK 1- CH14-H	
12	J1-A12		BLK		BANK 1-12	BANK 1- CH14-L	
13	J1-B1	22 AWG T/P	WHT	7	BANK 1-13	BANK 1- CH5-H	
14	J1-B2		BLK		BANK 1-14	BANK 1- CH5-L	
15	J1-B3	22 AWG T/P	WHT	8	BANK 1-15	BANK 1- CH20-H	
16	J1-B4		BLK		BANK 1-16	BANK 1- CH20-L	
17	J1-B5	22 AWG T/P	WHT	9	BANK 1-19	BANK 1- CH11-H	
18	J1-B6		BLK		BANK 1-20	BANK 1- CH11-L	
19	J1-B7	22 AWG T/P	WHT	10	BANK 1-21	BANK 1- CH7-H	
20	J1-B8		BLK		BANK 1-22	BANK 1- CH7-L	
21	J1-B9	22 AWG T/P	WHT	11	BANK 1-23	BANK 1- CH17-H	
22	J1-B10		BLK		BANK 1-24	BANK 1- CH17-L	
23	J1-B11	22 AWG T/P	WHT	12	BANK 1-25	BANK 1- CH13-H	
24	J1-B12		BLK		BANK 1-26	BANK 1- CH13-L	
25	J1-C1	22 AWG T/P	WHT	13	BANK 1-27	BANK 1- CH9-H	
26	J1-C2		BLK		BANK 1-28	BANK 1- CH9-L	
27	J1-C3	22 AWG T/P	WHT	14	BANK 1-29	BANK 1- CH19-H	
28	J1-C4		BLK		BANK 1-30	BANK 1- CH19-L	
29	J1-C5	22 AWG T/P	WHT	15	BANK 1-31	BANK 1- CH15-H	
30	J1-C6		BLK		BANK 1-32	BANK 1- CH15-L	
31	J1-C7	22 AWG T/P	WHT	16	BANK 1-35	BANK 1- CH6-H	
32	J1-C8		BLK		BANK 1-36	BANK 1- CH6-L	
33	J1-C9	22 AWG T/P	WHT	17	BANK 1-37	BANK 1- CH16-H	
34	J1-C10		BLK		BANK 1-38	BANK 1- CH16-L	
35	J1-C11	22 AWG T/P	WHT	18	BANK 1-39	BANK 1- CH12-H	
36	J1-C12		BLK		BANK 1-40	BANK 1- CH12-L	
37	J1-D1	22 AWG T/P	WHT	19	BANK 1-41	BANK 1- CH8-H	
38	J1-D2		BLK		BANK 1-42	BANK 1- CH8-L	
39	J1-D3	22 AWG T/P	WHT	20	BANK 1-43	BANK 1- CH18-H	
40	J1-D4		BLK		BANK 1-44	BANK 1- CH18-L	
41	J1-D5	22 AWG T/P	WHT	21	BANK 1-45	BANK 1- CH10-H	
42	J1-D6		BLK		BANK 1-46	BANK 1- CH10-L	
43	J1-D7	22 AWG T/P	WHT	22	BANK 1-47	BANK 1-AMP41-L	
44	J1-D8		BLK		BANK 1-48	BANK 1-AMP41-I	
45	J1-D9	22 AWG T/P	WHT	23	BANK 1-49	BANK 1-AMP42-L	
46	J1-D10		BLK		BANK 1-50	BANK 1-AMP42-I	
47	J1-D11	22 AWG	WHT	-	BANK 1-18	BANK 1-TSIL-	
48	J1-D12	22 AWG	WHT	-	BANK 1-34	BANK 1-GND-	
49	BANK 1-33	22 AWG	WHT	-	BANK 1-17	BANK 1-INTERLOCK1-H/L	
50	J1-D13	22 AWG	WHT	-	BANK 1-BKSHL	BACKSHELL GND	

D

C

B

A

Run #	From Location (Conn - Pin)	Wire AWG	Wire Color	T/P #	To Location (Conn - Pin)	Signal Desc	Label P/N
51	J1-A25	22 AWG T/P	WHT	24	BANK 2-1	BANK 2- CH1-H	BANK 2
52	J1-A26		BLK		BANK 2-2	BANK 2- CH1-L	
53	J1-A27	22 AWG T/P	WHT	25	BANK 2-3	BANK 2- CH2-H	
54	J1-A28		BLK		BANK 2-4	BANK 2- CH2-L	
55	J1-A29	22 AWG T/P	WHT	26	BANK 2-5	BANK 2- CH3-H	
56	J1-A30		BLK		BANK 2-6	BANK 2- CH3-L	
57	J1-A31	22 AWG T/P	WHT	27	BANK 2-7	BANK 2-COM 1-H	
58	J1-A32		BLK		BANK 2-8	BANK 2-COM 1-L	
59	J1-A33	22 AWG T/P	WHT	28	BANK 2-9	BANK 2- CH4-H	
60	J1-A34		BLK		BANK 2-10	BANK 2- CH4-L	
61	J1-A35	22 AWG T/P	WHT	29	BANK 2-11	BANK 2- CH14-H	
62	J1-A36		BLK		BANK 2-12	BANK 2- CH14-L	
63	J1-B25	22 AWG T/P	WHT	30	BANK 2-13	BANK 2- CH5-H	
64	J1-B26		BLK		BANK 2-14	BANK 2- CH5-L	
65	J1-B27	22 AWG T/P	WHT	31	BANK 2-15	BANK 2- CH20-H	
66	J1-B28		BLK		BANK 2-16	BANK 2- CH20-L	
67	J1-B29	22 AWG T/P	WHT	32	BANK 2-19	BANK 2- CH11-H	
68	J1-B30		BLK		BANK 2-20	BANK 2- CH11-L	
69	J1-B31	22 AWG T/P	WHT	33	BANK 2-21	BANK 2- CH7-H	
70	J1-B32		BLK		BANK 2-22	BANK 2- CH7-L	
71	J1-B33	22 AWG T/P	WHT	34	BANK 2-23	BANK 2- CH17-H	
72	J1-B34		BLK		BANK 2-24	BANK 2- CH17-L	
73	J1-B35	22 AWG T/P	WHT	35	BANK 2-25	BANK 2- CH13-H	
74	J1-B36		BLK		BANK 2-26	BANK 2- CH13-L	
75	J1-C25	22 AWG T/P	WHT	36	BANK 2-27	BANK 2- CH9-H	
76	J1-C26		BLK		BANK 2-28	BANK 2- CH9-L	
77	J1-C27	22 AWG T/P	WHT	37	BANK 2-29	BANK 2- CH19-H	
78	J1-C28		BLK		BANK 2-30	BANK 2- CH19-L	
79	J1-C29	22 AWG T/P	WHT	38	BANK 2-31	BANK 2- CH15-H	
80	J1-C30		BLK		BANK 2-32	BANK 2- CH15-L	
81	J1-C31	22 AWG T/P	WHT	39	BANK 2-35	BANK 2- CH6-H	
82	J1-C32		BLK		BANK 2-36	BANK 2- CH6-L	
83	J1-C33	22 AWG T/P	WHT	40	BANK 2-37	BANK 2- CH16-H	
84	J1-C34		BLK		BANK 2-38	BANK 2- CH16-L	
85	J1-C35	22 AWG T/P	WHT	41	BANK 2-39	BANK 2- CH12-H	
86	J1-C36		BLK		BANK 2-40	BANK 2- CH12-L	
87	J1-D25	22 AWG T/P	WHT	42	BANK 2-41	BANK 2- CH8-H	
88	J1-D26		BLK		BANK 2-42	BANK 2- CH8-L	
89	J1-D27	22 AWG T/P	WHT	43	BANK 2-43	BANK 2- CH18-H	
90	J1-D28		BLK		BANK 2-44	BANK 2- CH18-L	
91	J1-D29	22 AWG T/P	WHT	44	BANK 2-45	BANK 2- CH10-H	
92	J1-D30		BLK		BANK 2-46	BANK 2- CH10-L	
93	J1-D31	22 AWG T/P	WHT	45	BANK 2-47	BANK 2-AMP41-L	
94	J1-D32		BLK		BANK 2-48	BANK 2-AMP41-I	
95	J1-D33	22 AWG T/P	WHT	46	BANK 2-49	BANK 2-AMP42-L	
96	J1-D34		BLK		BANK 2-50	BANK 2-AMP42-I	
97	J1-D35	22 AWG	WHT	-	BANK 2-18	BANK 2-TSIL-	
98	J1-D36	22 AWG	WHT	-	BANK 2-34	BANK 2-GND-	
99	BANK 2-33	22 AWG	WHT	-	BANK 2-17	BANK 2-INTERLOCK1-H/I	
100	J1-D37	22 AWG	WHT	-	BANK 2-BKSHL	BACKSHELL GND	

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540111040X40		J	
SIZE	SCALE	CAGE CODE	SHEET
B	NONE	18117	2 OF 2

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