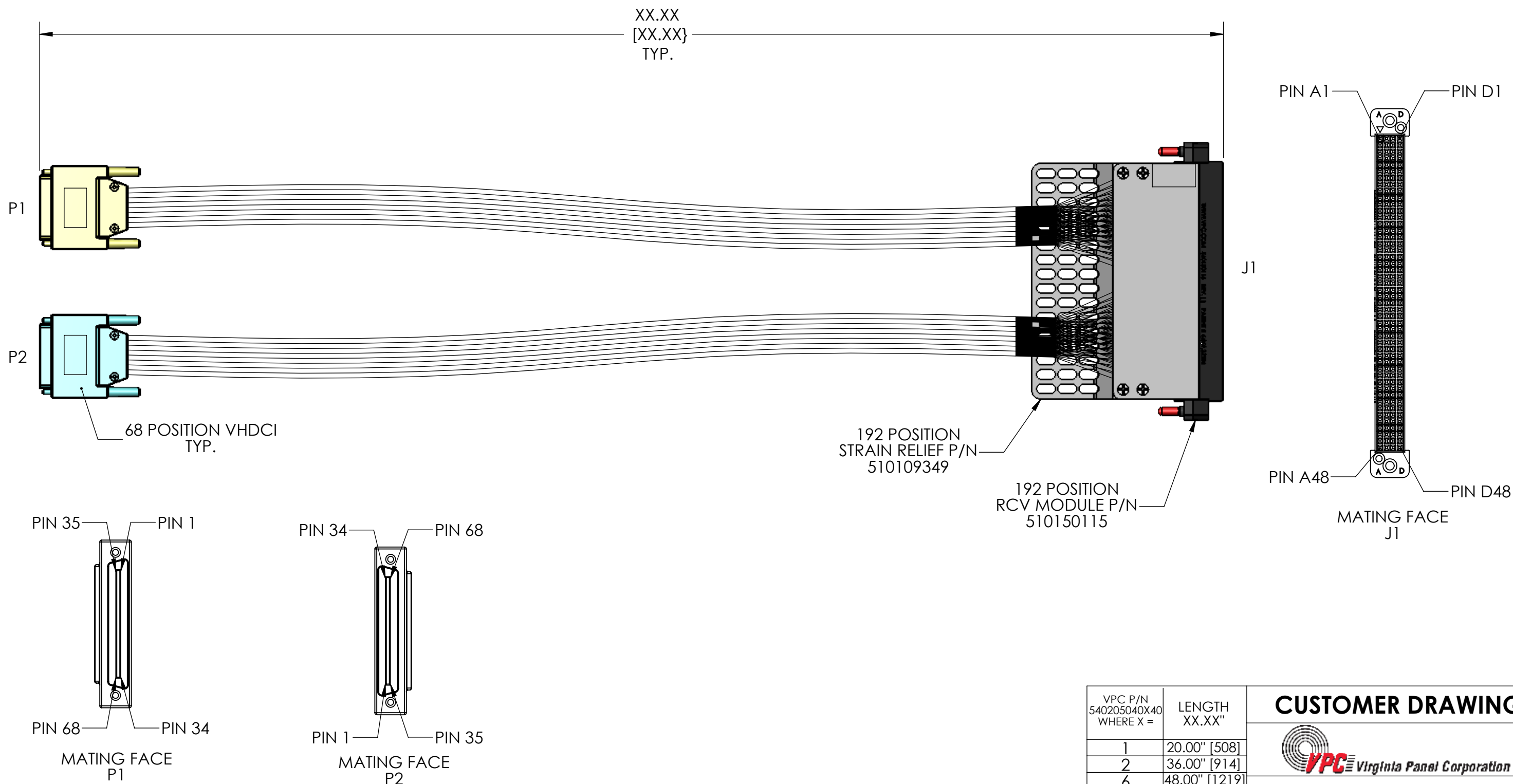


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REV	DESCRIPTION	DATE	ENGINEER
B	ECN #8822	1/16/2019	J FERSNER



2. MATING MODULE: 510151105 (QTY 1)
MATING PATCHCORDS: 7-123426000-XXX (QTY 72)
1. FOR APPLICATION USE AND CARE INFORMATION CONSULT VPC USERS GUIDE @ WWW.VPC.COM

NOTES:

VPC P/N 540205040X40 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

**CBA PXI 2VHDCI
PXIe-8431/16**

DWG.NO. **540205040X40** REV **B**

SIZE B	SCALE NONE	CAGE CODE 18117	SHEET 1 OF 3
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Run #	From Location (Conn - Pin)	Contact	Wire AWG	Wire/Patchcord P/N	Wire Color	T/P #	To Location (Conn - Pin)	Signal Desc	Contact	Notes
1	J1-A1	610138216	30AWG	656246	BLU	1	P1-64	CH 0 RXD +	-	-
2	J1-B1	610138216	30AWG		BLU/BLK		P1-66	CH 0 RXD -	-	-
3	J1-C1	610138216	30AWG		BRN	2	P1-68	CH 0 CTS +	-	-
4	J1-D1	610138216	30AWG		BRN/WHT		P1-63	CH 0 CTS -	-	-
5	J1-A2	610138216	30AWG		RED OR PNK	3	P1-65	CH 0 RTS +	-	-
6	J1-B2	610138216	30AWG		RED/BLK		P1-62	CH 0 RTS -	-	-
7	J1-C2	610138216	30AWG		YEL	4	P1-61	CH 0 TXD +	-	-
8	J1-D2	610138216	30AWG		YEL/BLK		P1-67	CH 0 TXD -	-	-
9	J1-A3	610138216	30AWG		BLU/GRN	-	P1-60	CH 0 GND	-	-
10	J1-B3	610138216	30AWG		BLU/GRN			CH 1 GND	-	-
11	J1-C3	610138216	30AWG		BLU	5	P1-55	CH 1 RXD +	-	-
12	J1-D3	610138216	30AWG		BLU/BLK		P1-57	CH 1 RXD -	-	-
13	J1-A4	610138216	30AWG		BRN	6	P1-59	CH 1 CTS +	-	-
14	J1-B4	610138216	30AWG		BRN/WHT		P1-54	CH 1 CTS -	-	-
15	J1-C4	610138216	30AWG		RED OR PNK	7	P1-56	CH 1 RTS +	-	-
16	J1-D4	610138216	30AWG		RED/BLK		P1-53	CH 1 RTS -	-	-
17	J1-A5	610138216	30AWG		YEL	8	P1-52	CH 1 TXD +	-	-
18	J1-B5	610138216	30AWG		YEL/BLK		P1-58	CH 1 TXD -	-	-
19	J1-C5	610138216	30AWG		BLU	9	P1-47	CH 2 RXD +	-	-
20	J1-D5	610138216	30AWG		BLU/BLK		P1-49	CH 2 RXD -	-	-
21	J1-A6	610138216	30AWG		BRN	10	P1-51	CH 2 CTS +	-	-
22	J1-B6	610138216	30AWG		BRN/WHT		P1-46	CH 2 CTS -	-	-
23	J1-C6	610138216	30AWG		RED OR PNK	11	P1-48	CH 2 RTS +	-	-
24	J1-D6	610138216	30AWG		RED/BLK		P1-45	CH 2 RTS -	-	-
25	J1-A7	610138216	30AWG		YEL	12	P1-44	CH 2 TXD +	-	-
26	J1-B7	610138216	30AWG		YEL/BLK		P1-50	CH 2 TXD -	-	-
27	J1-C7	610138216	30AWG		BLU/GRN	-	P1-43	CH 2 GND	-	-
28	J1-D7	610138216	30AWG		BLU/GRN			CH 3 GND	-	-
29	J1-A8	610138216	30AWG		BLU	13	P1-38	CH 3 RXD +	-	-
30	J1-B8	610138216	30AWG		BLU/BLK		P1-40	CH 3 RXD -	-	-
31	J1-C8	610138216	30AWG		BRN	14	P1-42	CH 3 CTS +	-	-
32	J1-D8	610138216	30AWG		BRN/WHT		P1-37	CH 3 CTS -	-	-
33	J1-A9	610138216	30AWG		RED OR PNK	15	P1-39	CH 3 RTS +	-	-
34	J1-B9	610138216	30AWG		RED/BLK		P1-36	CH 3 RTS -	-	-
35	J1-C9	610138216	30AWG		YEL	16	P1-35	CH 3 TXD +	-	-
36	J1-D9	610138216	30AWG		YEL/BLK		P1-41	CH 3 TXD -	-	-
37	J1-A10	610138216	30AWG		BLU	17	P1-30	CH 4 RXD +	-	-
38	J1-B10	610138216	30AWG		BLU/BLK		P1-32	CH 4 RXD -	-	-
39	J1-C10	610138216	30AWG		BRN	18	P1-34	CH 4 CTS +	-	-
40	J1-D10	610138216	30AWG		BRN/WHT		P1-29	CH 4 CTS -	-	-
41	J1-A11	610138216	30AWG		RED OR PNK	19	P1-31	CH 4 RTS +	-	-
42	J1-B11	610138216	30AWG		RED/BLK		P1-28	CH 4 RTS -	-	-
43	J1-C11	610138216	30AWG		YEL	20	P1-27	CH 4 TXD +	-	-
44	J1-D11	610138216	30AWG		YEL/BLK		P1-33	CH 4 TXD -	-	-
45	J1-A12	610138216	30AWG		BLU/GRN	-	P1-26	CH 4 GND	-	-
46	J1-B12	610138216	30AWG		BLU/GRN			CH 5 GND	-	-
47	J1-C12	610138216	30AWG		BLU	21	P1-21	CH 5 RXD +	-	-
48	J1-D12	610138216	30AWG		BLU/BLK		P1-23	CH 5 RXD -	-	-
49	J1-A13	610138216	30AWG		BRN	22	P1-25	CH 5 CTS +	-	-
50	J1-B13	610138216	30AWG		BRN/WHT		P1-20	CH 5 CTS -	-	-

Run #	From Location (Conn - Pin)	Contact	Wire AWG	Wire/Patchcord P/N	Wire Color	T/P #	To Location (Conn - Pin)	Signal Desc	Contact	Notes
51	J1-C13	610138216	30AWG	656246	RED OR PNK	23	P1-22	CH 5 RTS +	-	-
52	J1-D13	610138216	30AWG		RED/BLK		P1-19	CH 5 RTS -	-	-
53	J1-A14	610138216	30AWG		YEL	24	P1-18	CH 5 TXD +	-	-
54	J1-B14	610138216	30AWG		YEL/BLK		P1-24	CH 5 TXD -	-	-
55	J1-C14	610138216	30AWG		BLU	25	P1-13	CH 6 RXD +	-	-
56	J1-D14	610138216	30AWG		BLU/BLK		P1-15	CH 6 RXD -	-	-
57	J1-A15	610138216	30AWG		BRN	26	P1-17	CH 6 CTS +	-	-
58	J1-B15	610138216	30AWG		BRN/WHT		P1-12	CH 6 CTS -	-	-
59	J1-C15	610138216	30AWG		RED OR PNK	27	P1-14	CH 6 RTS +	-	-
60	J1-D15	610138216	30AWG		RED/BLK		P1-11	CH 6 RTS -	-	-
61	J1-A16	610138216	30AWG		YEL	28	P1-10	CH 6 TXD +	-	-
62	J1-B16	610138216	30AWG		YEL/BLK		P1-16	CH 6 TXD -	-	-
63	J1-C16	610138216	30AWG		BLU/GRN	-	P1-9	CH 6 GND	-	-
64	J1-D16	610138216	30AWG		BLU/GRN			CH 7 GND	-	-
65	J1-A17	610138216	30AWG		BLU	29	P1-4	CH 7 RXD +	-	-
66	J1-B17	610138216	30AWG		BLU/BLK		P1-6	CH 7 RXD -	-	-
67	J1-C17	610138216	30AWG		BRN	30	P1-8	CH 7 CTS +	-	-
68	J1-D17	610138216	30AWG		BRN/WHT		P1-3	CH 7 CTS -	-	-
69	J1-A18	610138216	30AWG		RED OR PNK	31	P1-5	CH 7 RTS +	-	-
70	J1-B18	610138216	30AWG		RED/BLK		P1-2	CH 7 RTS -	-	-
71	J1-C18	610138216	30AWG		YEL	32	P1-1	CH 7 TXD +	-	-
72	J1-D18	610138216	30AWG		YEL/BLK		P1-7	CH 7 TXD -	-	-

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DWG.NO.		540205040X40		REV	B
SIZE	SCALE	CAGE CODE	SHEET		
B	NONE	18117	2 OF 3		

DO NOT SCALE DRAWING

Run #	From Location (Conn - Pin)	Contact	Wire AWG	Wire/Patchcord P/N	Wire Color	T/P #	To Location (Conn - Pin)	Signal Desc	Contact	Notes
73	J1-A19	610138216	30AWG	656246	BLU	33	P2-64	CH 8 RXD +	-	-
74	J1-B19	610138216	30AWG		BLU/BLK		P2-66	CH 8 RXD -	-	-
75	J1-C19	610138216	30AWG		BRN	34	P2-68	CH 8 CTS +	-	-
76	J1-D19	610138216	30AWG		BRN/WHT		P2-63	CH 8 CTS -	-	-
77	J1-A20	610138216	30AWG		RED OR PNK	35	P2-65	CH 8 RTS +	-	-
78	J1-B20	610138216	30AWG		RED/BLK		P2-62	CH 8 RTS -	-	-
79	J1-C20	610138216	30AWG		YEL	36	P2-61	CH 8 TXD +	-	-
80	J1-D20	610138216	30AWG		YEL/BLK		P2-67	CH 8 TXD -	-	-
81	J1-A21	610138216	30AWG		BLU/GRN	-	P2-60	CH 8 GND	-	-
82	J1-B21	610138216	30AWG		BLU/GRN		CH 9 GND	-	-	
83	J1-C21	610138216	30AWG		BLU	37	P2-55	CH 9 RXD +	-	-
84	J1-D21	610138216	30AWG		BLU/BLK		P2-57	CH 9 RXD -	-	-
85	J1-A22	610138216	30AWG		BRN	38	P2-59	CH 9 CTS +	-	-
86	J1-B22	610138216	30AWG		BRN/WHT		P2-54	CH 9 CTS -	-	-
87	J1-C22	610138216	30AWG		RED OR PNK	39	P2-56	CH 9 RTS +	-	-
88	J1-D22	610138216	30AWG		RED/BLK		P2-53	CH 9 RTS -	-	-
89	J1-A23	610138216	30AWG		YEL	40	P2-52	CH 9 TXD +	-	-
90	J1-B23	610138216	30AWG		YEL/BLK		P2-58	CH 9 TXD -	-	-
91	J1-C23	610138216	30AWG		BLU	41	P2-47	CH 10 RXD +	-	-
92	J1-D23	610138216	30AWG		BLU/BLK		P2-49	CH 10 RXD -	-	-
93	J1-A24	610138216	30AWG		BRN	42	P2-51	CH 10 CTS +	-	-
94	J1-B24	610138216	30AWG		BRN/WHT		P2-46	CH 10 CTS -	-	-
95	J1-C24	610138216	30AWG	RED OR PNK	43	P2-48	CH 10 RTS +	-	-	
96	J1-D24	610138216	30AWG	RED/BLK		P2-45	CH 10 RTS -	-	-	
97	J1-A25	610138216	30AWG	YEL	44	P2-44	CH 10 TXD +	-	-	
98	J1-B25	610138216	30AWG	YEL/BLK		P2-50	CH 10 TXD -	-	-	
99	J1-C25	610138216	30AWG	BLU/GRN	-	P2-43	CH 10 GND	-	-	
100	J1-D25	610138216	30AWG	BLU/GRN		CH 11 GND	-	-		
101	J1-A26	610138216	30AWG	BLU	45	P2-38	CH 11 RXD +	-	-	
102	J1-B26	610138216	30AWG	BLU/BLK		P2-40	CH 11 RXD -	-	-	
103	J1-C26	610138216	30AWG	BRN	46	P2-42	CH 11 CTS +	-	-	
104	J1-D26	610138216	30AWG	BRN/WHT		P2-37	CH 11 CTS -	-	-	
105	J1-A27	610138216	30AWG	RED OR PNK	47	P2-39	CH 11 RTS +	-	-	
106	J1-B27	610138216	30AWG	RED/BLK		P2-36	CH 11 RTS -	-	-	
107	J1-C27	610138216	30AWG	YEL	48	P2-35	CH 11 TXD +	-	-	
108	J1-D27	610138216	30AWG	YEL/BLK		P2-41	CH 11 TXD -	-	-	
109	J1-A28	610138216	30AWG	BLU	49	P2-30	CH 12 RXD +	-	-	
110	J1-B28	610138216	30AWG	BLU/BLK		P2-32	CH 12 RXD -	-	-	
111	J1-C28	610138216	30AWG	BRN	50	P2-34	CH 12 CTS +	-	-	
112	J1-D28	610138216	30AWG	BRN/WHT		P2-29	CH 12 CTS -	-	-	
113	J1-A29	610138216	30AWG	RED OR PNK	51	P2-31	CH 12 RTS +	-	-	
114	J1-B29	610138216	30AWG	RED/BLK		P2-28	CH 12 RTS -	-	-	
115	J1-C29	610138216	30AWG	YEL	52	P2-27	CH 12 TXD +	-	-	
116	J1-D29	610138216	30AWG	YEL/BLK		P2-33	CH 12 TXD -	-	-	
117	J1-A30	610138216	30AWG	BLU/GRN	-	P2-26	CH 12 GND	-	-	
118	J1-B30	610138216	30AWG	BLU/GRN		CH 13 GND	-	-		
119	J1-C30	610138216	30AWG	BLU	53	P2-21	CH 13 RXD +	-	-	
120	J1-D30	610138216	30AWG	BLU/BLK		P2-23	CH 13 RXD -	-	-	
121	J1-A31	610138216	30AWG	BRN	54	P2-25	CH 13 CTS +	-	-	
122	J1-B31	610138216	30AWG	BRN/WHT		P2-20	CH 13 CTS -	-	-	

Run #	From Location (Conn - Pin)	Contact	Wire AWG	Wire/Patchcord P/N	Wire Color	T/P #	To Location (Conn - Pin)	Signal Desc	Contact	Notes
123	J1-C31	610138216	30AWG	656246	RED OR PNK	55	P2-22	CH 13 RTS +	-	-
124	J1-D31	610138216	30AWG		RED/BLK		P2-19	CH 13 RTS -	-	-
125	J1-A32	610138216	30AWG		YEL	56	P2-18	CH 13 TXD +	-	-
126	J1-B32	610138216	30AWG		YEL/BLK		P2-24	CH 13 TXD -	-	-
127	J1-C32	610138216	30AWG		BLU	57	P2-13	CH 14 RXD +	-	-
128	J1-D32	610138216	30AWG		BLU/BLK		P2-15	CH 14 RXD -	-	-
129	J1-A33	610138216	30AWG		BRN	58	P2-17	CH 14 CTS +	-	-
130	J1-B33	610138216	30AWG		BRN/WHT		P2-12	CH 14 CTS -	-	-
131	J1-C33	610138216	30AWG		RED OR PNK	59	P2-14	CH 14 RTS +	-	-
132	J1-D33	610138216	30AWG		RED/BLK		P2-11	CH 14 RTS -	-	-
133	J1-A34	610138216	30AWG		YEL	60	P2-10	CH 14 TXD +	-	-
134	J1-B34	610138216	30AWG		YEL/BLK		P2-16	CH 14 TXD -	-	-
135	J1-C34	610138216	30AWG		BLU/GRN	-	P2-9	CH 14 GND	-	-
136	J1-D34	610138216	30AWG		BLU/GRN		CH 15 GND	-	-	
137	J1-A35	610138216	30AWG		BLU	61	P2-4	CH 15 RXD +	-	-
138	J1-B35	610138216	30AWG		BLU/BLK		P2-6	CH 15 RXD -	-	-
139	J1-C35	610138216	30AWG		BRN	62	P2-8	CH 15 CTS +	-	-
140	J1-D35	610138216	30AWG		BRN/WHT		P2-3	CH 15 CTS -	-	-
141	J1-A36	610138216	30AWG		RED OR PNK	63	P2-5	CH 15 RTS +	-	-
142	J1-B36	610138216	30AWG		RED/BLK		P2-2	CH 15 RTS -	-	-
143	J1-C36	610138216	30AWG		YEL	64	P2-1	CH 15 TXD +	-	-
144	J1-D36	610138216	30AWG		YEL/BLK		P2-7	CH 15 TXD -	-	-

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DWG.NO.		540205040X40		REV	B
SIZE	SCALE	CAGE CODE	SHEET		
B	NONE	18117	3 OF 3		

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