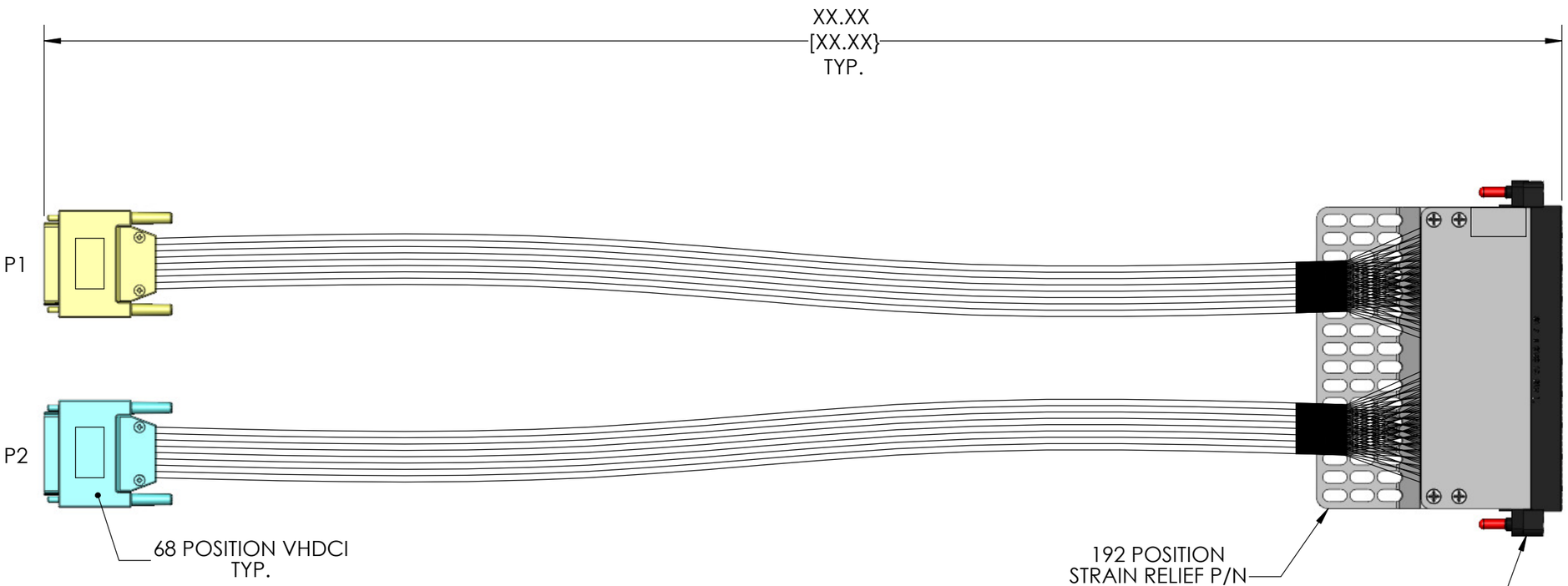
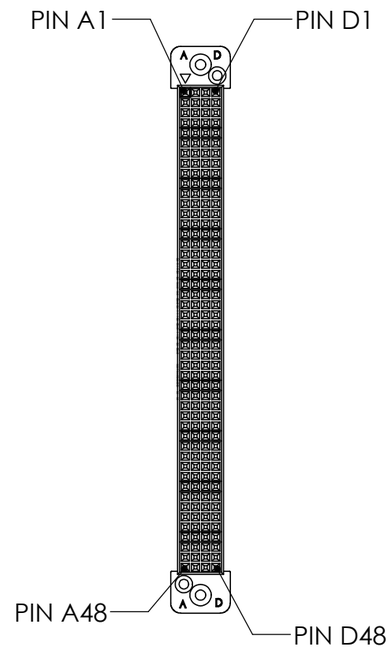
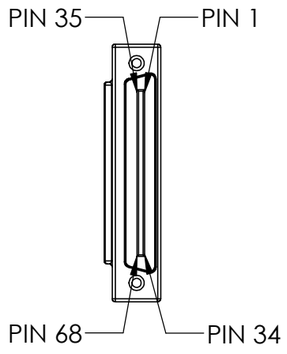
DO NOT SCALE DRAWING

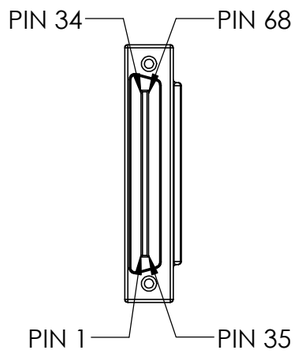
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REV	DESCRIPTION	DATE	ENGINEER
C	ECN #12661	6/22/2022	K JOHNSON









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

Virginia Panel Corporation

CBA PXI 2VHDCI PXIe-8431/16

DWG.NO. **540205040X40** REV C

SIZE	SCALE	CAGE CODE	SHEET
B	NONE	18117	1 OF 3

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 C

SIZE	SCALE	CAGE CODE	SHEET
B	NONE	18117	2 OF 3

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 -	-	-

DO NOT SCALE DRAWING

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DWG.NO. **540205040X40** REV C

SIZE	SCALE	CAGE CODE	SHEET
B	NONE	18117	3 OF 3