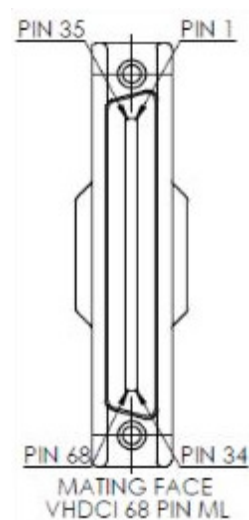


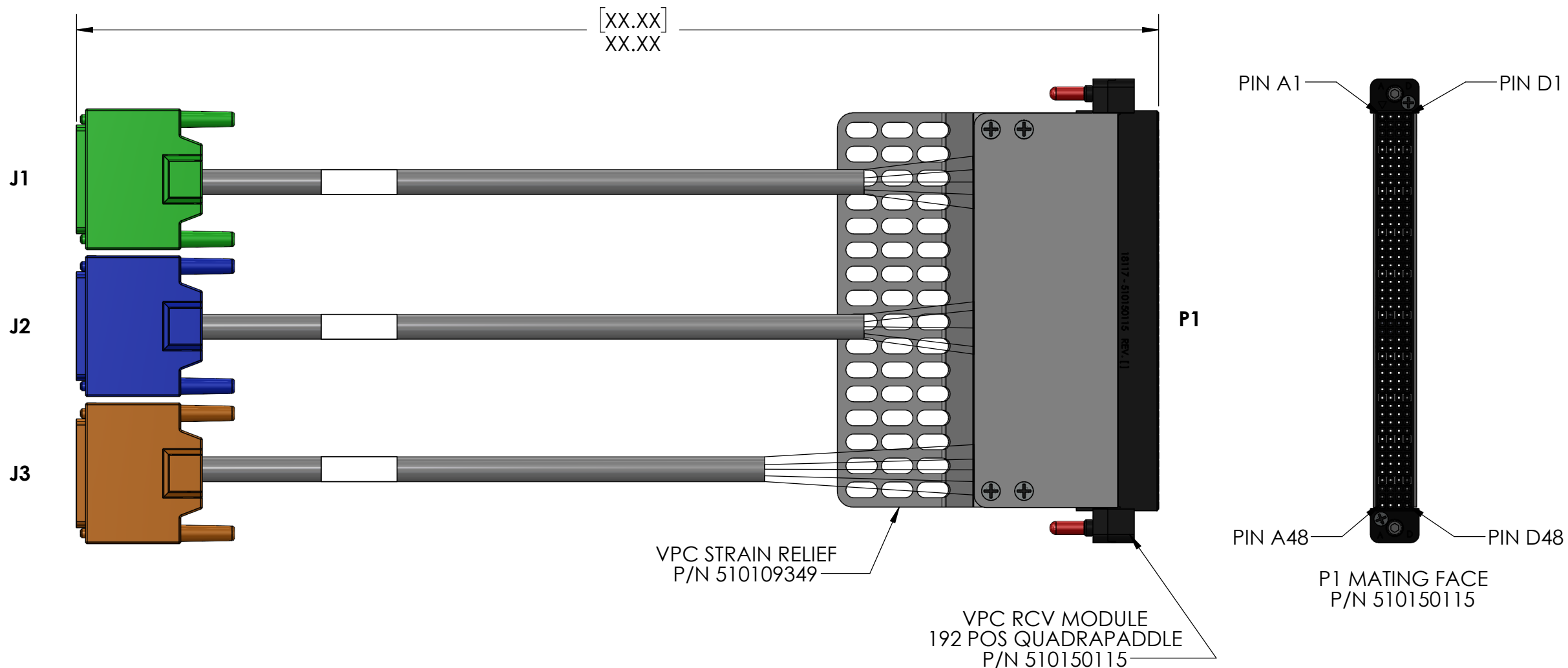
DO NOT SCALE DRAWING

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REV	DESCRIPTION	DATE	ENGINEER
D	ECN #13318	3/28/23	L SALE



J1, J2, & J3



2. VPC MATING MODULE: (1) 510151105
 MATING PATCHCORD: 7-121425000-036 (6)
 MATING PATCHCORD: 7-121424000-036 (34)
 MATING PATCHCORD: 7-121924000-036 (7)
 MATING PATCHCORD: 7-121974000-036 (40)

1. FOR APPLICATION USE AND CARE INFORMATION CONSULT VPC USERS GUIDE @ WWW.VPC.COM

NOTES:

VPC P/N 540351010X40 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 RCV QP
PXle 7868R**

DWG.NO.		REV	
540351010X40		D	
SIZE	SCALE	CAGE CODE	SHEET
B	NONE	18117	1 OF 1

Run #	From Location (Conn - Pin)	Contact	Wire AWG	Wire/Patchcord P/N	Length (in)	Wire Color	T/P #	To Location (Conn - Pin)	Signal Desc	Contact	Notes
1	P1-A1	610138216	30	654126	-	WHITE/TAN	1	J1-68	AI0+	68 PIN VHDCI	
2	P1-A2	610138216	30		-	TAN/WHITE		J1-34	AI0-		
3	P1-A3	610138216	30		-	SHIELD	-	J1-67	AIGND0		
4			26		-	GROUP SHIELD					
5	P1-B1	610138216	30		-	WHITE/BROWN	2	J1-66	AI1+		
6	P1-B2	610138216	30		-	BROWN/WHITE		J1-32	AI1-		
7	P1-B3	610138216	26		-	SHIELD	3	J1-33	AIGND1		
8	P1-C1	610138216	30		-	WHITE/PINK		J1-65	AI2+		
9	P1-C2	610138216	30		-	PINK/WHITE		J1-31	AI2-		
10	P1-C3	610138216	26		-	SHIELD	4	J1-64	AIGND2		
11	P1-D1	610138216	30		-	WHITE/ORANGE		J1-63	AI3+		
12	P1-D2	610138216	30		-	ORNAGE/WHTIE		J1-29	AI3-		
13	P1-D3	610138216	26		-	SHIELD	5	J1-30	AIGND3		
14	P1-A4	610138216	30		-	WHITE/YELLOW		J1-62	AI4+		
15	P1-A5	610138216	30		-	YELLOW/WHITE		J1-28	AI4-		
16	P1-A6	610138216	26		-	SHIELD	6	J1-61	AIGND4		
17	P1-B4	610138216	30		-	WHITE/GREEN		J1-60	AI5+		
18	P1-B5	610138216	30		-	GREEN/WHITE		J1-26	AI5-		
19	P1-B6	610138216	26		-	SHIELD	7	J1-27	AIGND5		
20	-	NC	30		-	WHITE/BLUE		J1-59	AI6+		
21	-	NC	30		-	BLUE/WHITE		J1-25	AI6-		
22	P1-C6	610138216	26		-	SHIELD	8	J1-58	AIGND6		
23	-	NC	30		-	WHITE/VIOLET		J1-57	AI7+		
24	-	NC	30		-	VIOLET/WHITE		J1-23	AI7-		
25	P1-D6	610138216	26		-	SHIELD	9	J1-24	AIGND7		
26	P1-A7	610138216	30		-	BLACK		J1-56	AISENSE		
27	P1-A8	610138216	30		-	WHITE/GREY		J1-55	AO0		
28	P1-A9	610138216	30		-	GREY/WHITE	-	J1-21	AOGND0		
29			26		-	GROUP SHIELD			AOGND8		
30	P1-B7	610138216	30		-	TAN/BROWN	10	J1-54	AO1		
31	P1-B8	610138216	30		-	BROWN/TAN		J1-20	AOGND1		
32	P1-C7	610138216	30		-	TAN/PINK	11	J1-53	AO2		
33	P1-C8	610138216	30		-	PINK/TAN		J1-19	AOGND2		
34	P1-D7	610138216	30		-	TAN/ORANGE	12	J1-52	AO3		
35	P1-D8	610138216	30		-	ORANGE/TAN		J1-18	AOGND3		
36	P1-A10	610138216	30		-	TAN/YELLOW	13	J1-51	AO4		
37	P1-A11	610138216	30		-	YELLOW/TAN		J1-17	AOGND4		
38	P1-B9	610138216	30		-	TAN/GREEN	14	J1-50	AO5		
39	P1-B10	610138216	30		-	GREEN/TAN		J1-16	AOGND5		
40	P1-C9	610138216	30		-	TAN/BLUE	15	J1-49	AO6		
41	P1-C10	610138216	30		-	BLUE/TAN		J1-15	AOGND6		
42	P1-D9	610138216	30		-	TAN/VIOLET	16	J1-48	AO7		
43	P1-D10	610138216	30		-	VIOLET/TAN		J1-14	AOGND7		
44	-	NC	30		-	WHITE	-	J1-22	EXT REF		
45	P1-C11	610138216	26		-	RED	-	J1-35	+5V		
46	P1-D11	610138216	26		-	GREEN	-	J1-1	+5V		
47	P1-A12	610138216	30		-	RED/BLUE	17	J1-47	DIO15		
48	P1-A13	610138216	30		-	BLUE/RED		J1-9	DGND		

Run #	From Location (Conn - Pin)	Contact	Wire AWG	Wire/Patchcord P/N	Length (in)	Wire Color	T/P #	To Location (Conn - Pin)	Signal Desc	Contact	Notes
49	P1-B12	610138216	30	654126 (CONT)	-	RED/ORANGE	18	J1-13	DIO14	68 PIN VHDCI	
50	P1-B13	610138216	30		-	ORANGE/RED		J1-8	DGND		
51	P1-C12	610138216	30		-	RED/GREEN	19	J1-46	DIO13		
52	P1-C13	610138216	30		-	GREEN/RED		J1-7	DGND		
53	P1-D12	610138216	30		-	RED/BROWN	20	J1-12	DIO12		
54	P1-D13	610138216	30		-	BROWN/RED		J1-6	DIGND		
55	P1-A14	610138216	30		-	RED/GREY	21	J1-45	DIO11		
56	P1-A15	610138216	30		-	GREY/RED		J1-5	DIGND		
57	P1-B14	610138216	30		-	BLACK/BLUE	22	J1-11	DIO10		
58	P1-B15	610138216	30		-	BLUE/BLACK		J1-4	DIGND		
59	P1-C14	610138216	30		-	BLACK/ORANGE	23	J1-44	DIO9		
60	P1-C15	610138216	30		-	ORANGE/BLACK		J1-3	DIGND		
61	P1-D14	610138216	30		-	BLACK/GREEN	24	J1-10	DIO8		
62	P1-D15	610138216	30		-	GREEN/BLACK		J1-2	DIGND		
63	P1-A16	610138216	30		-	BLACK/BROWN	25	J1-43	DIO7		
64	P1-A17	610138216	30		-	BROWN/BLACK		J1-9	DIGND		
65	P1-B16	610138216	30		-	BLACK/GREY	26	J1-42	DIO6		
66	P1-B17	610138216	30		-	GREY/BLACK		J1-8	DIGND		
67	P1-C16	610138216	30		-	YELLOW/BLUE	27	J1-41	DIO5		
68	P1-C17	610138216	30		-	BLUE/YELLOW		J1-7	DIGND		
69	P1-D16	610138216	30		-	YELLOW/ORANGE	28	J1-40	DIO4		
70	P1-D17	610138216	30		-	ORANG/YELLOW		J1-6	DIGND		
71	P1-A18	610138216	30		-	YELLOW/GREEN	29	J1-39	DIO3		
72	P1-A19	610138216	30		-	GREEN/YELLOW		J1-5	DIGND		
73	P1-B18	610138216	30		-	YELLOW/BROWN	30	J1-38	DIO2		
74	P1-B19	610138216	30		-	BROWN/YELLOW		J1-4	DIGND		
75	P1-C18	610138216	30		-	YELLOW/GREY	31	J1-37	DIO1		
76	P1-C19	610138216	30		-	GREY/YELLOW		J1-3	DIGND		
77	P1-D18	610138216	30		-	VIOLET/BLUE	32	J1-36	DIO0		
78	P1-D19	610138216	30	-	BLUE/VIOLET	J1-2		DIGND			
79	-	NC	30	654126	-	WHITE/TAN	33	J2-68	AI0+	68 PIN VHDCI	
80	-	NC	30		-	TAN/WHITE		J2-34	AI0-		
81	-	NC	30		-	SHIELD	-	J2-67	AIGND0		
82	-	NC	26		-	BUNDLE SHIELD					
83	-	NC	30		-	WHITE/BROWN	34	J2-66	AI1+		
84	-	NC	30		-	BROWN/WHITE		J2-32	AI1-		
85	-	NC	26		-	SHIELD	35	J2-33	AIGND1		
86	-	NC	30		-	WHITE/PINK		J2-65	AI2+		
87	-	NC	30		-	PINK/WHITE	36	J2-31	AI2-		
88	-	NC	26		-	SHIELD		J2-64	AIGND2		
89	-	NC	30		-	WHITE/ORANGE	37	J2-63	AI3+		
90	-	NC	30		-	ORNAGE/WHTIE		J2-29	AI3-		
91	-	NC	26		-	SHIELD	38	J2-30	AIGND3		
92	-	NC	30		-	WHITE/YELLOW		J2-62	AI4+		
93	-	NC	30		-	YELLOW/WHITE	39	J2-28	AI4-		
94	-	NC	26		-	SHIELD		J2-61	AIGND4		
95	-	NC	30		-	WHITE/GREEN	40	J2-60	AI5+		
96	-	NC	30		-	GREEN/WHITE		J2-26	AI5-		
97	-	NC	26		-	SHIELD		J2-27	AIGND5		

Run #	From Location (Conn - Pin)	Contact	Wire AWG	Wire/Patchcord P/N	Length (in)	Wire Color	T/P #	To Location (Conn - Pin)	Signal Desc	Contact	Notes
98	P1-A20	610138216	30	654126 (CONT)	-	WHITE/BLUE	39	J2-59	AI6+	68 PIN VHDCI	
99	P1-A21	610138216	30		-	BLUE/WHITE		J2-25	AI6-		
100	-	NC	26		-	SHIELD		J2-58	AIGND6		
101	P1-B20	610138216	30		-	WHITE/VIOLET	40	J2-57	AI7+		
102	P1-B21	610138216	30		-	VIOLET/WHITE		J2-23	AI7-		
103	-	NC	26		-	SHIELD	-	J2-24	AIGND7		
104	-	NC	30		-	BLACK	-	J2-56	AISENSE		
105	P1-C20	610138216	30		-	WHITE/GREY	41	J2-55	AO0		
106	P1-C21	610138216	30		-	GREY/WHITE		J2-21	AOGND0		
107			26		-	GROUP SHIELD	-		AOGND8		
108	P1-D20	610138216	30		-	TAN/BROWN	42	J2-54	AO1		
109	P1-D21	610138216	30		-	BROWN/TAN		J2-20	AOGND1		
110	P1-A22	610138216	30		-	TAN/PINK	43	J2-53	AO2		
111	P1-A23	610138216	30		-	PINK/TAN		J2-19	AOGND2		
112	P1-B22	610138216	30		-	TAN/ORANGE	44	J2-52	AO3		
113	P1-B23	610138216	30		-	ORANGE/TAN		J2-18	AOGND3		
114	P1-C22	610138216	30		-	TAN/YELLOW	45	J2-51	AO4		
115	P1-C23	610138216	30		-	YELLOW/TAN		J2-17	AOGND4		
116	P1-D22	610138216	30		-	TAN/GREEN	46	J2-50	AO5		
117	P1-D23	610138216	30		-	GREEN/TAN		J2-16	AOGND5		
118	P1-A24	610138216	30		-	TAN/BLUE	47	J2-49	AO6		
119	P1-A25	610138216	30		-	BLUE/TAN		J2-15	AOGND6		
120	P1-B24	610138216	30		-	TAN/VIOLET	48	J2-48	AO7		
121	P1-B25	610138216	30		-	VIOLET/TAN		J2-14	AOGND7		
122	-	NC	30		-	WHITE	-	J2-22	EXT REF		
123	P1-C24	610138216	26		-	RED	-	J2-35	+5V		
124	P1-C25	610138216	26		-	GREEN	-	J2-1	+5V		
125	-	NC	30		-	RED/BLUE	49	J2-47	DIO15		
126	-	NC	30		-	BLUE/RED		J2-9	DGND		
127	-	NC	30		-	RED/ORANGE	50	J2-13	DIO14		
128	-	NC	30		-	ORANGE/RED		J2-8	DGND		
129	-	NC	30		-	RED/GREEN	51	J2-46	DIO13		
130	-	NC	30		-	GREEN/RED		J2-7	DGND		
131	-	NC	30		-	RED/BROWN	52	J2-12	DIO12		
132	-	NC	30		-	BROWN/RED		J2-6	DIGND		
133	-	NC	30		-	RED/GREY	53	J2-45	DIO11		
134	-	NC	30		-	GREY/RED		J2-5	DIGND		
135	-	NC	30		-	BLACK/BLUE	54	J2-11	DIO10		
136	-	NC	30		-	BLUE/BLACK		J2-4	DIGND		
137	-	NC	30		-	BLACK/ORANGE	55	J2-44	DIO9		
138	-	NC	30		-	ORANGE/BLACK		J2-3	DIGND		
139	-	NC	30		-	BLACK/GREEN	56	J2-10	DIO8		
140	-	NC	30		-	GREEN/BLACK		J2-2	DIGND		
141	-	NC	30		-	BLACK/BROWN	57	J2-43	DIO7		
142	-	NC	30		-	BROWN/BLACK		J2-9	DIGND		
143	-	NC	30		-	BLACK/GREY	58	J2-42	DIO6		
144	-	NC	30	-	GREY/BLACK	J2-8		DIGND			
145	-	NC	30	-	YELLOW/BLUE	59	J2-41	DIO5			
146	-	NC	30	-	BLUE/YELLOW		J2-7	DIGND			

Run #	From Location (Conn - Pin)	Contact	Wire AWG	Wire/Patchcord P/N	Length (in)	Wire Color	T/P #	To Location (Conn - Pin)	Signal Desc	Contact	Notes
147	-	NC	30	654126 (CONT)	-	YELLOW/ORANGE	60	J2-40	DIO4	68 PIN VHDCI	
148	-	NC	30		-	ORANG/YELLOW		J2-6	DIGND		
149	-	NC	30		-	YELLOW/GREEN	61	J2-39	DIO3		
150	-	NC	30		-	GREEN/YELLOW		J2-5	DIGND		
151	-	NC	30		-	YELLOW/BROWN	62	J2-38	DIO2		
152	-	NC	30		-	BROWN/YELLOW		J2-4	DIGND		
153	-	NC	30		-	YELLOW/GREY	63	J2-37	DIO1		
154	-	NC	30		-	GREY/YELLOW		J2-3	DIGND		
155	-	NC	30		-	VIOLET/BLUE	64	J2-36	DIO0		
156	-	NC	30		-	BLUE/VIOLET		J2-2	DIGND		
157	P1-A29	610138216	COAX	967128	-	CENTER	-	J3-1	DIO 31	68 PIN VHDCI	
158	P1-B29	610138216			-	SHIELD	-	J3-2	DGND		
159	P1-C29	610138216	COAX		-	CENTER	-	J3-3	DIO 29		
160	P1-D29	610138216			-	SHIELD	-	J3-4	DGND		
161	P1-A30	610138216	COAX		-	CENTER	-	J3-5	DIO 27		
162	P1-B30	610138216			-	SHIELD	-	J3-4	DGND		
163	P1-C30	610138216	COAX		-	CENTER	-	J3-7	DIO 25		
164	P1-D30	610138216			-	SHIELD	-	J3-6	DGND		
165	P1-A31	610138216	COAX		-	CENTER	-	J3-8	DIO 2		
166	P1-B31	610138216			-	SHIELD	-	J3-6	DGND		
167	P1-C31	610138216	COAX		-	CENTER	-	J3-9	DIO 23		
168	P1-D31	610138216			-	SHIELD	-	J3-10	DGND		
169	P1-A32	610138216	COAX		-	CENTER	-	J3-11	DIO 21		
170	P1-B32	610138216			-	SHIELD	-	J3-12	DGND		
171	P1-C32	610138216	COAX		-	CENTER	-	J3-13	DIO 19		
172	P1-D32	610138216			-	SHIELD	-	J3-14	DGND		
173	P1-A33	610138216	COAX		-	CENTER	-	J3-15	DIO 17		
174	P1-B33	610138216			-	SHIELD	-	J3-16	DGND		
175	P1-C33	610138216	COAX		-	CENTER	-	J3-17	DIO 15		
176	P1-D33	610138216			-	SHIELD	-	J3-18	DGND		
177	P1-A34	610138216	COAX		-	CENTER	-	J3-19	DIO 13		
178	P1-B34	610138216			-	SHIELD	-	J3-20	DGND		
179	P1-C34	610138216	COAX		-	CENTER	-	J3-21	DIO 11		
180	P1-D34	610138216			-	SHIELD	-	J3-22	DGND		
181	P1-A35	610138216	COAX		-	CENTER	-	J3-23	DIO 9		
182	P1-B35	610138216			-	SHIELD	-	J3-22	DGND		
183	P1-C35	610138216	COAX		-	CENTER	-	J3-25	DIO 7		
184	P1-D35	610138216			-	SHIELD	-	J3-24	DGND		
185	P1-A36	610138216	COAX		-	CENTER	-	J3-26	TRIG 1		
186	P1-B36	610138216			-	SHIELD	-	J3-24	DGND		
187	P1-C36	610138216	COAX		-	CENTER	-	J3-27	DIO 5		
188	P1-D36	610138216			-	SHIELD	-	J3-28	DGND		
189	P1-A37	610138216	COAX		-	CENTER	-	J3-29	DIO 3		
190	P1-B37	610138216			-	SHIELD	-	J3-28	DGND		
191	P1-C37	610138216	COAX		-	CENTER	-	J3-30	TRIG 3		
192	P1-D37	610138216			-	SHIELD	-	J3-32	DGND		
193	P1-A38	610138216	COAX		-	CENTER	-	J3-31	DIO 1		
194	P1-B38	610138216			-	SHIELD	-	J3-32	DGND		

Run #	From Location (Conn - Pin)	Contact	Wire AWG	Wire/Patchcord P/N	Length (in)	Wire Color	T/P #	To Location (Conn - Pin)	Signal Desc	Contact	Notes
195	P1-C38	610138216	COAX	967128	-	CENTER	-	J3-33	CLK OUT/ TRIG 4	68 PIN VHDCI	
196	P1-D38	610138216			-	SHIELD	-	J3-34	DGND		
197	P1-A39	610138216	COAX		-	CENTER	-	J3-35	DIO 30		
198	P1-B39	610138216			-	SHIELD	-	J3-36	DGND		
199	P1-C39	610138216	COAX		-	CENTER	-	J3-37	DIO 28		
200	P1-D39	610138216			-	SHIELD	-	J3-38	DGND		
201	P1-A40	610138216	COAX		-	CENTER	-	J3-39	DIO 26		
202	P1-B40	610138216			-	SHIELD	-	J3-40	DGND		
203	P1-C40	610138216	COAX		-	CENTER	-	J3-41	DIO 24		
204	P1-D40	610138216			-	SHIELD	-	J3-42	DGND		
205	P1-A41	610138216	COAX		-	CENTER	-	J3-43	DIO 22		
206	P1-B41	610138216			-	SHIELD	-	J3-44	DGND		
207	P1-C41	610138216	COAX		-	CENTER	-	J3-45	DIO 20		
208	P1-D41	610138216			-	SHIELD	-	J3-46	DGND		
209	P1-A42	610138216	COAX		-	CENTER	-	J3-47	DIO 18		
210	P1-B42	610138216			-	SHIELD	-	J3-48	DGND		
211	P1-C42	610138216	COAX		-	CENTER	-	J3-49	DIO 16		
212	P1-D42	610138216			-	SHIELD	-	J3-48	DGND		
213	P1-A43	610138216	COAX		-	CENTER	-	J3-51	DIO 14		
214	P1-B43	610138216			-	SHIELD	-	J3-50	DGND		
215	P1-C43	610138216	COAX		-	CENTER	-	J3-52	TRIG 0		
216	P1-D43	610138216			-	SHIELD	-	J3-50	DGND		
217	P1-A44	610138216	COAX		-	CENTER	-	J3-53	DIO 12		
218	P1-B44	610138216			-	SHIELD	-	J3-54	DGND		
219	P1-C44	610138216	COAX		-	CENTER	-	J3-55	DIO 10		
220	P1-D44	610138216			-	SHIELD	-	J3-54	DGND		
221	P1-A45	610138216	COAX		-	CENTER	-	J3-57	DIO 8		
222	P1-B45	610138216			-	SHIELD	-	J3-56	DGND		
223	P1-C45	610138216	COAX		-	CENTER	-	J3-59	DIO 6		
224	P1-D45	610138216			-	SHIELD	-	J3-58	DGND		
225	P1-A46	610138216	COAX		-	CENTER	-	J3-60	RES 0		
226	P1-B46	610138216			-	SHIELD	-	J3-58	DGND		
227	P1-C46	610138216	COAX		-	CENTER	-	J3-61	DIO 4		
228	P1-D46	610138216			-	SHIELD	-	J3-62	DGND		
229	P1-A47	610138216	COAX		-	CENTER	-	J3-63	DIO 2		
230	P1-B47	610138216			-	SHIELD	-	J3-62	DGND		
231	P1-C47	610138216	COAX	-	CENTER	-	J3-64	TRIG 2			
232	P1-D47	610138216		-	SHIELD	-	J3-66	DGND			
233	P1-A48	610138216	COAX	-	CENTER	-	J3-65	DIO 0			
234	P1-B48	610138216		-	SHIELD	-	J3-66	DGND			
235	P1-C48	610138216	COAX	-	CENTER	-	J3-67	STROBE/TRIG 5			
236	P1-D48	610138216		-	SHIELD	-	J3-68	DGND			