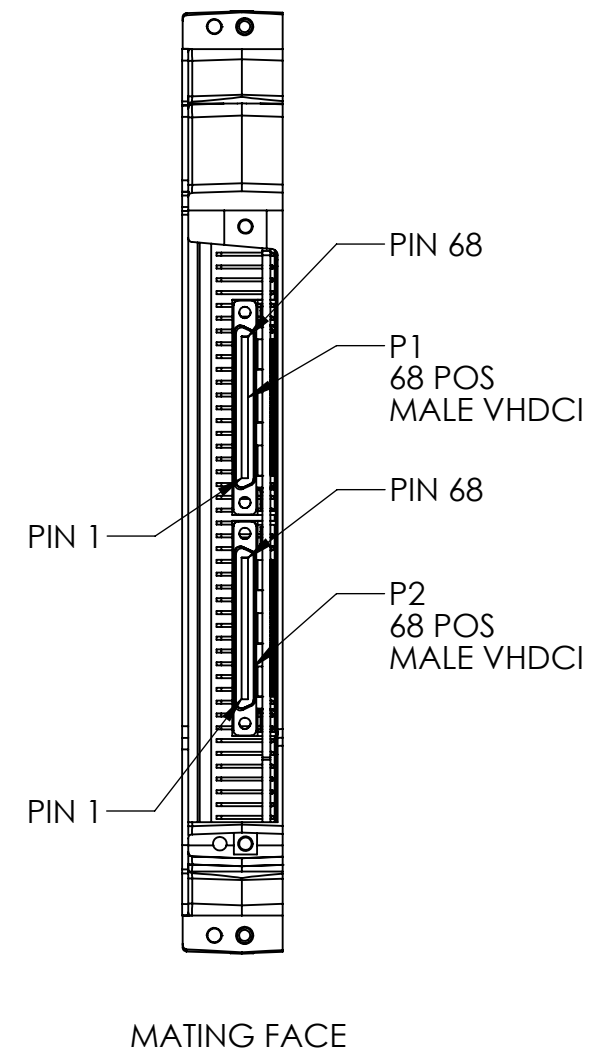
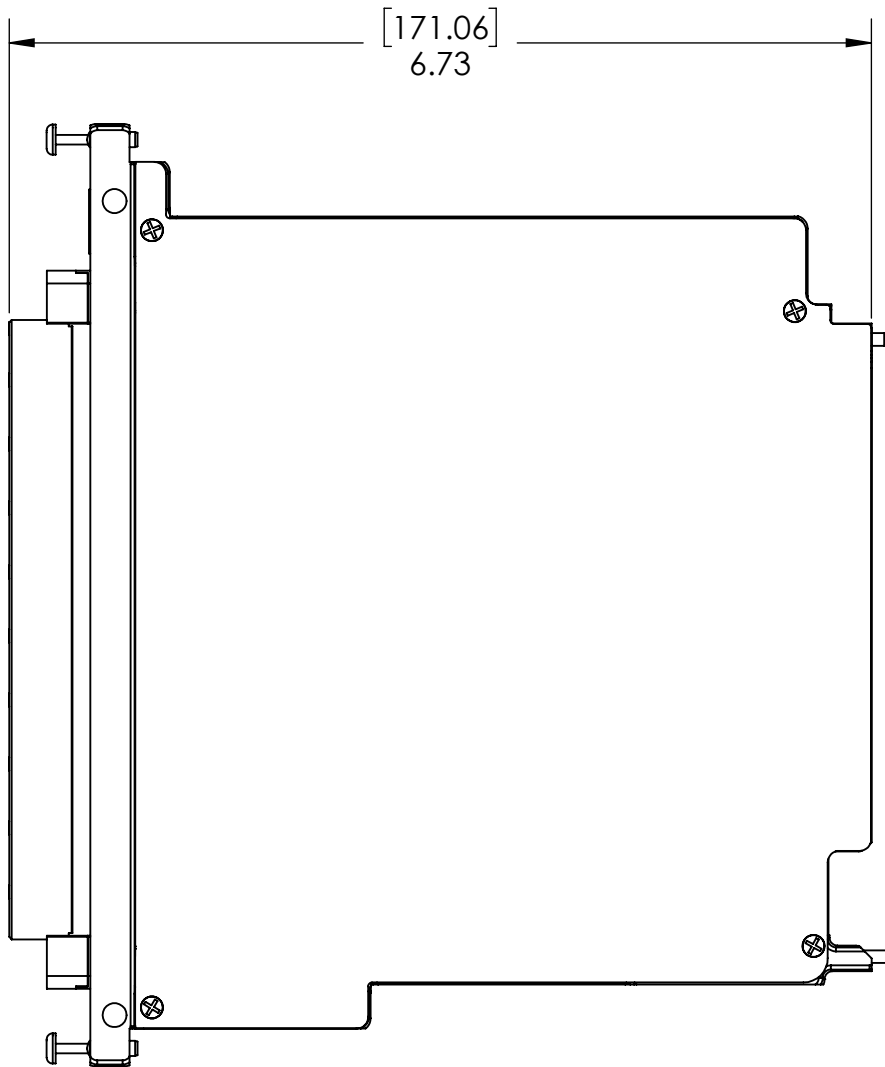
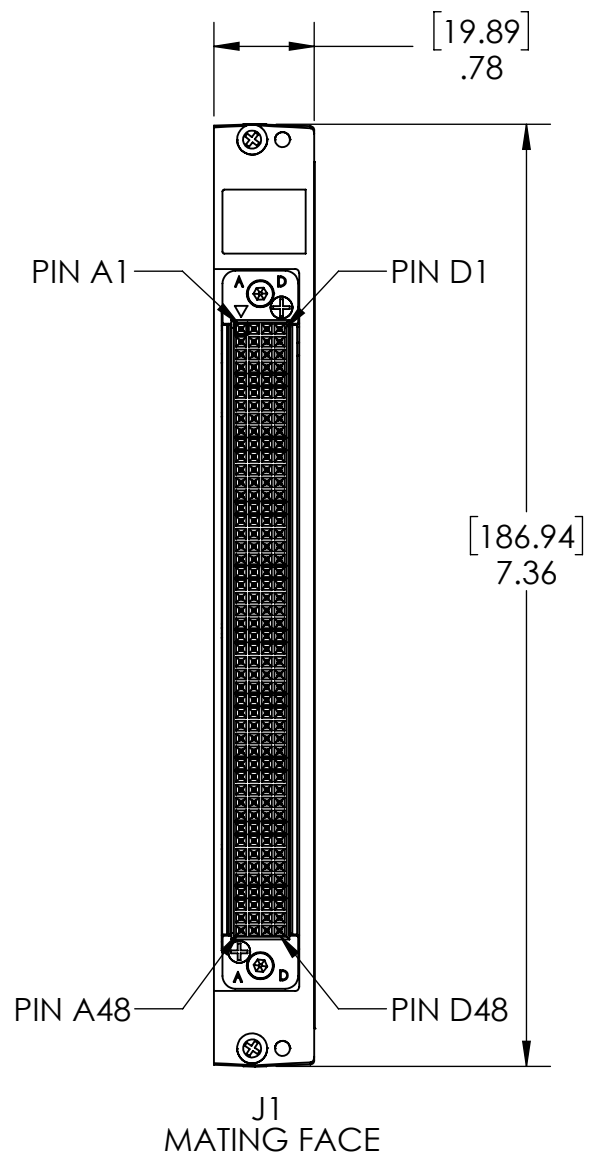


DO NOT SCALE DRAWING

THE INFORMATION CONTAINED HEREIN IS THE EXCLUSIVE PROPERTY OF VIRGINIA PANEL CORPORATION AND IS SUBMITTED FOR USE BY THE CUSTOMER ONLY. THE DATA SHALL NOT BE DUPLICATED, USED, OR DISCLOSED IN WHOLE OR IN PART FOR ANY PURPOSE OTHER THAN TO MAINTAIN THE EQUIPMENT PROVIDED. CONSULT WITH VIRGINIA PANEL CORPORATION ENGINEERING IF MORE DETAIL IS REQUIRED.

REV	DESCRIPTION	DATE	ENGINEER
B	ECN #12638	6/17/22	R HERRON



3. SEE SHEET 2 FOR TRACE LIST.

2. MATING ITA MODULE: 510151105 (1)
MATING ITA PATCHCORDS: 7-121424000-036 (72)

NOTES:

RELATIVE CONNECTOR POSITIONS AND WIRE ROUTING ARE GENERIC AND MAY VARY WITH PINOUT			
DIMENSIONS ARE SHOWN AS:			
[MILLIMETERS]		[INCHES]	
DWG.NO.		REV	
510140306		B	
SIZE	SCALE	CAGE CODE	SHEET
B	NONE	18117	1 OF 2

CUSTOMER DRAWING

VPC

PTA NI PXIe-7858R

RUN	FROM	TO	SIGNAL
1	J1-A1	P1-66	P1_AI 1+
2	J1-A2	P1-65	P1_AI 2-
3	J1-A3	P1-34	A_GND
4	J1-A4	P1-60	P1_AI 5+
5	J1-A5	P1-25	P1_AI 6-
6	J1-A6	P1-58	A_GND
7	J1-A7	P1-14	A_GND
8	J1-A8	P1-20	A_GND
9	J1-A9	P1-16	A_GND
10	J1-A10	P1-15	A_GND
11	J1-A11	P1-14	A_GND
12	J1-A12	P1-12	P1_DIO 12
13	J1-A13	P1-44	P1_DIO 9
14	J1-A14	P1-9	D_GND
15	J1-A15	P1-7	D_GND
16	J1-A16	P1-5	D_GND
17	J1-A17	P1-3	D_GND
18	J1-A19	P1-SHIELD	P1 SHIELD

RUN	FROM	TO	SIGNAL
19	J1-B1	P1-33	A_GND
20	J1-B2	P1-31	P1_AI 2-
21	J1-B3	P1-63	P1_AI 3+
22	J1-B4	P1-27	A_GND
23	J1-B5	P1-59	P1_AI 6+
24	J1-B6	P1-23	P1_AI 7-
25	J1-B7	P1-18	A_GND
26	J1-B8	P1-21	A_GND
27	J1-B9	P1-19	A_GND
28	J1-B10	P1-17	A_GND
29	J1-B11	P1-46	P1_DIO 13
30	J1-B12	P1-11	P1_DIO 10
31	J1-B13	P1-8	D_GND
32	J1-B14	P1-6	D_GND
33	J1-B15	P1-4	D_GND
34	J1-B16	P1-2	D_GND
35	J1-B19	P1-SHIELD	P1 SHIELD

RUN	FROM	TO	SIGNAL
36	J1-C1	P1-34	P1_AI 0-
37	J1-C2	P1-67	A_GND
38	J1-C3	P1-29	P1_AI 3-
39	J1-C4	P1-62	P1_AI 4-
40	J1-C5	P1-61	A_GND
41	J1-C6	P1-57	P1_AI 7+
42	J1-C7	P1-56	P1_AI SENSE
43	J1-C8	P1-55	P1_AO 0
44	J1-C9	P1-53	P1_AO 2
45	J1-C10	P1-51	P1_AO 4
46	J1-C11	P1-13	P1_DIO 14
47	J1-C12	P1-10	P1_DIO 8
48	J1-C13	P1-42	P1_DIO 6
49	J1-C14	P1-40	P1-DIO 4
50	J1-C15	P1-38	P1_DIO 2
51	J1-C16	P1-36	P1_DIO 0
52	J1-C17	P1-1	P1_+5V 1
53	J1-C18	P1-2	P1_+5V 2
54	J1-C19	P1-SHIELD	P1 SHIELD

RUN	FROM	TO	SIGNAL
55	J1-D1	P1-68	P1_AI 0+
56	J1-D2	P1-32	P1_AI 1-
57	J1-D3	P1-30	A_GND
58	J1-D4	P1-28	P1_AI 4+
59	J1-D5	P1-26	P1_AI 5-
60	J1-D6	P1-24	A_GND
61	J1-D7	P1-54	P1_AO 1
62	J1-D8	P1-52	P1_AO 3
63	J1-D9	P1-50	P1_AO 5
64	J1-D10	P1-49	P1_AO 6
65	J1-D11	P1-48	P1_AO 7
66	J1-D12	P1-47	P1_DIO 15
67	J1-D13	P1-45	P1_DIO 11
68	J1-D14	P1-43	P1_DIO 7
69	J1-D15	P1-41	P1_DIO 5
70	J1-D16	P1-39	P1_DIO 3
71	J1-D17	P1-37	P1_DIO 1
72	J1-D19	P1-SHIELD	P1 SHIELD

RUN	FROM	TO	SIGNAL
73	J1-A31	P2-SHIELD	P2 SHIELD
74	J1-A33	P2-64	GND
75	J1-A34	P2-63	P2_DIO 2
76	J1-A35	P2-60	GND
77	J1-A36	P2-59	P2_DIO 6
78	J1-A37	P2-56	GND
79	J1-A38	P2-55	P2_DIO 10
80	J1-A39	P2-52	GND
81	J1-A40	P2-51	P2_DIO 14
82	J1-A41	P2-48	GND
83	J1-A42	P2-47	P2_DIO 18
84	J1-A43	P2-44	GND
85	J1-A44	P2-43	P2_DIO 22
86	J1-A45	P2-40	GND
87	J1-A46	P2-39	P2_DIO 26
88	J1-A47	P2-36	GND
89	J1-A48	P2-35	P2_DIO 30

RUN	FROM	TO	SIGNAL
90	J1-B31	P2-SHIELD	P2 SHIELD
91	J1-B32	P2-68	GND
92	J1-B33	P2-65	P2_DIO 0
93	J1-B34	P2-66	GND
94	J1-B35	P2-61	P2_DIO 4
95	J1-B36	P2-62	GND
96	J1-B37	P2-57	P2_DIO 8
97	J1-B38	P2-58	GND
98	J1-B39	P2-53	P2_DIO 12
99	J1-B40	P2-54	GND
100	J1-B41	P2-49	P2_DIO 16
101	J1-B42	P2-50	GND
102	J1-B43	P2-45	P2_DIO 20
103	J1-B44	P2-46	GND
104	J1-B45	P2-41	P2_DIO 24
105	J1-B46	P2-42	GND
106	J1-B47	P2-37	P2_DIO 28
107	J1-B48	P2-38	GND

RUN	FROM	TO	SIGNAL
108	J1-C31	P2-SHIELD	P2 SHIELD
109	J1-C33	P2-30	GND
110	J1-C34	P2-29	P2_DIO 3
111	J1-C35	P2-26	GND
112	J1-C36	P2-25	P2_DIO 7
113	J1-C37	P2-22	GND
114	J1-C38	P2-21	P2_DIO 11
115	J1-C39	P2-18	GND
116	J1-C40	P2-17	P2_DIO 15
117	J1-C41	P2-14	GND
118	J1-C42	P2-13	P2_DIO 19
119	J1-C43	P2-10	GND
120	J1-C44	P2-9	P2_DIO 23
121	J1-C45	P2-6	GND
122	J1-C46	P2-5	P2_DIO 27
123	J1-C47	P2-2	GND
124	J1-C48	P2-1	P2_DIO 31

RUN	FROM	TO	SIGNAL
125	J1-D31	P2-SHIELD	P2 SHIELD
126	J1-D32	P2-33 & 34	GND
127	J1-D33	P2-31	P2_DIO 1
128	J1-D34	P2-32	GND
129	J1-D35	P2-27	P2_DIO 5
130	J1-D36	P2-28	GND
131	J1-D37	P2-23	P2_DIO 9
132	J1-D38	P2-24	GND
133	J1-D39	P2-19	P2_DIO 13
134	J1-D40	P2-20	GND
135	J1-D41	P2-15	P2_DIO 17
136	J1-D42	P2-16	GND
137	J1-D43	P2-11	P2_DIO 21
138	J1-D44	P2-12	GND
139	J1-D45	P2-7	P2_DIO 25
140	J1-D46	P2-8	GND
141	J1-D47	P2-3	P2_DIO 29
142	J1-D48	P2-4	GND

CUSTOMER DRAWING - CUSTOMER DRAWING - CUSTOMER DRAWING

THE INFORMATION CONTAINED HEREIN IS THE EXCLUSIVE PROPERTY OF VIRGINIA PANEL CORPORATION AND IS SUBMITTED FOR USE BY THE CUSTOMER ONLY. THE DATA SHALL NOT BE DUPLICATED, USED, OR DISCLOSED IN WHOLE OR IN PART FOR ANY PURPOSE OTHER THAN TO MAINTAIN THE EQUIPMENT PROVIDED.

DWG.NO.	510140306	REV	B
SIZE	SCALE	CAGE CODE	SHEET
B	NONE	18117	2 OF 2

DO NOT SCALE DRAWING