

4

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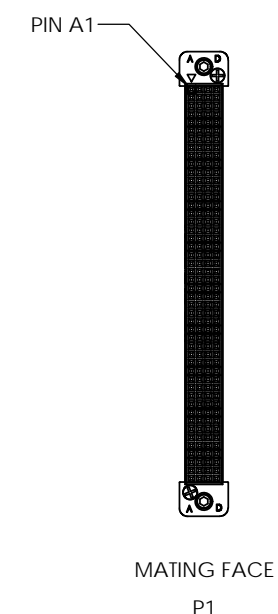
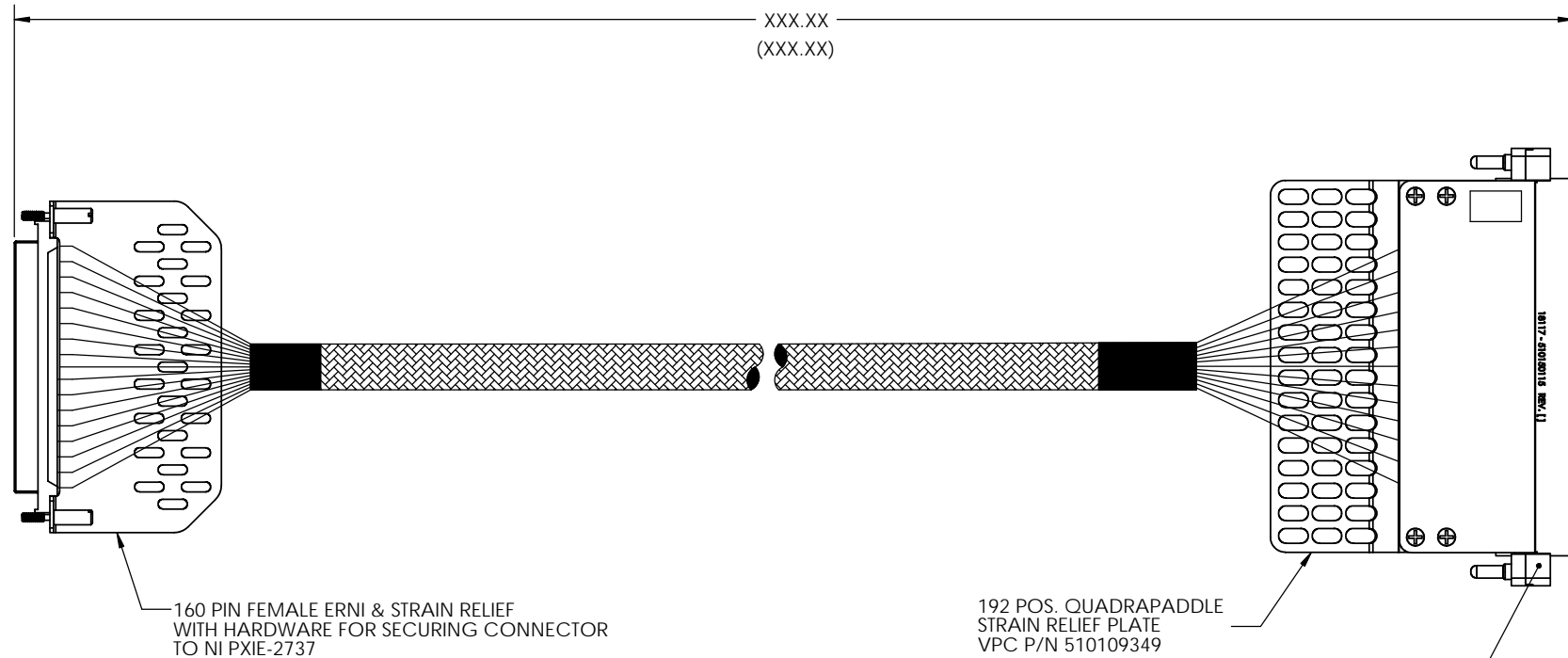
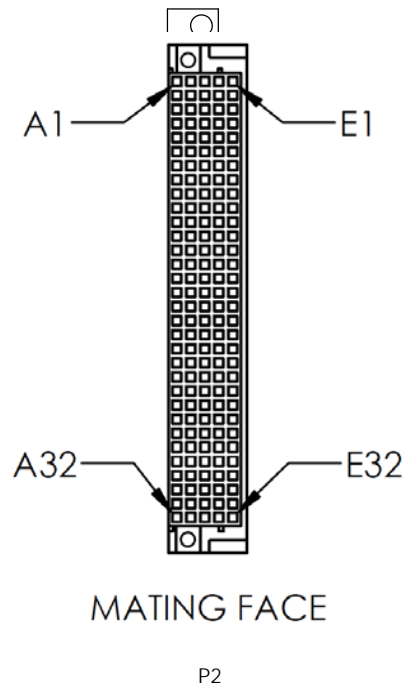
DO NOT SCALE DRAWING

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REVISIONS			
REV	DESCRIPTION	DATE	ENGR
D	ECN #12567	5/11/22	RF

D
C
B
A

D
C
B
A



2. MATING ITA MODULE: 510151105 (1)
MATING ITA PATCHCORD: 7-121424000-036 (80)

NOTES:

VPC P/N 540069120X40 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, QuadraPaddle to 160-Pin FML DIN f/ NI PXIe-2737			
SIZE	CAGE CODE	DWG. NO.	REV
C	18117	540069120X40	D
SCALE: NONE			SHEET 1 OF 2

4

3

2

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4									3									2									1								
Run #	From Connector	From Pin	AWG	Color	T/P #	To Connector	To Pin	CH	Run #	From Connector	From Pin	AWG	Color	T/P #	To Connector	To Pin	CH	Run #	From Connector	From Pin	AWG	Color	T/P #	To Connector	To Pin	CH	Run #	From Connector	From Pin	AWG	Color	T/P #	To Connector	To Pin	CH
1	P1	A5	24 T/P	WHT	1	P2	A32	C0+	41	P1	A15	24 T/P	WHT	21	P2	A24	C16+	81	P1	A25	24 T/P	WHT	41	P2	A16	C32+	121	P1	A35	24 T/P	WHT	61	P2	A8	C48+
2	P1	A6	24 T/P	BLK		P2	B32	C0-	42	P1	A16	24 T/P	BLK		P2	B24	C16-	82	P1	A26	24 T/P	BLK	41	P2	B16	C32-	122	P1	A36	24 T/P	BLK	61	P2	B8	C48-
3	P1	A7	24 T/P	WHT	2	P2	C32	C1+	43	P1	A17	24 T/P	WHT	22	P2	C24	C17+	83	P1	A27	24 T/P	WHT	42	P2	C16	C33+	123	P1	A37	24 T/P	WHT	62	P2	C8	C49+
4	P1	A8	24 T/P	BLK		P2	D32	C1-	44	P1	A18	24 T/P	BLK		P2	D24	C17-	84	P1	A28	24 T/P	BLK	42	P2	D16	C33-	124	P1	A38	24 T/P	BLK	62	P2	D8	C49-
5	P1	A9	24 T/P	WHT	3	P2	E32	R0+	45	P1	A19	24 T/P	WHT	23	P2	E24	R0+	85	P1	A29	24 T/P	WHT	43	P2	E16	R0+	125	P1	A39	24 T/P	WHT	63	P2	E8	R0+
6	P1	B9	24 T/P	BLK		P2	E31	R0-	46	P1	B19	24 T/P	BLK		P2	E23	R0-	86	P1	B29	24 T/P	BLK	43	P2	E15	R0-	126	P1	B39	24 T/P	BLK	63	P2	E7	R0-
7	P1	B5	24 T/P	WHT	4	P2	A31	C2+	47	P1	B15	24 T/P	WHT	24	P2	A23	C18+	87	P1	B25	24 T/P	WHT	44	P2	A15	C34+	127	P1	B35	24 T/P	WHT	64	P2	A7	C50+
8	P1	B6	24 T/P	BLK		P2	B31	C2-	48	P1	B16	24 T/P	BLK		P2	B23	C18-	88	P1	B26	24 T/P	BLK	44	P2	B15	C34-	128	P1	B36	24 T/P	BLK	64	P2	B7	C50-
9	P1	B7	24 T/P	WHT	5	P2	C31	C3+	49	P1	B17	24 T/P	WHT	25	P2	C23	C19+	89	P1	B27	24 T/P	WHT	45	P2	C15	C35+	129	P1	B37	24 T/P	WHT	65	P2	C7	C51+
10	P1	B8	24 T/P	BLK		P2	D31	C3-	50	P1	B18	24 T/P	BLK		P2	D23	C19-	90	P1	B28	24 T/P	BLK	45	P2	D15	C35-	130	P1	B38	24 T/P	BLK	65	P2	D7	C51-
11	P1	C5	24 T/P	WHT	6	P2	A30	C4+	51	P1	C15	24 T/P	WHT	26	P2	A22	C20+	91	P1	C25	24 T/P	WHT	46	P2	A14	C36+	131	P1	C35	24 T/P	WHT	66	P2	A6	C52+
12	P1	C6	24 T/P	BLK		P2	B30	C4-	52	P1	C16	24 T/P	BLK		P2	B22	C20-	92	P1	C26	24 T/P	BLK	46	P2	B14	C36-	132	P1	C36	24 T/P	BLK	66	P2	B6	C52-
13	P1	C7	24 T/P	WHT	7	P2	C30	C5+	53	P1	C17	24 T/P	WHT	27	P2	C22	C21+	93	P1	C27	24 T/P	WHT	47	P2	C14	C37+	133	P1	C37	24 T/P	WHT	67	P2	C6	C53+
14	P1	C8	24 T/P	BLK		P2	D30	C5-	54	P1	C18	24 T/P	BLK		P2	D22	C21-	94	P1	C28	24 T/P	BLK	47	P2	D14	C37-	134	P1	C38	24 T/P	BLK	67	P2	D6	C53-
15	P1	C9	24 T/P	WHT	8	P2	E30	R1+	55	P1	C19	24 T/P	WHT	28	P2	E22	R1+	95	P1	C29	24 T/P	WHT	48	P2	E14	R1+	135	P1	C39	24 T/P	WHT	68	P2	E6	R1+
16	P1	D9	24 T/P	BLK		P2	E29	R1-	56	P1	D19	24 T/P	BLK		P2	E21	R1-	96	P1	D29	24 T/P	BLK	48	P2	E13	R1-	136	P1	D39	24 T/P	BLK	68	P2	E5	R1-
17	P1	D5	24 T/P	WHT	9	P2	A29	C6+	57	P1	D15	24 T/P	WHT	29	P2	A21	C22+	97	P1	D25	24 T/P	WHT	49	P2	A13	C38+	137	P1	D35	24 T/P	WHT	69	P2	A5	C54+
18	P1	D6	24 T/P	BLK		P2	B29	C6-	58	P1	D16	24 T/P	BLK		P2	B21	C22-	98	P1	D26	24 T/P	BLK	49	P2	B13	C38-	138	P1	D36	24 T/P	BLK	69	P2	B5	C54-
19	P1	D7	24 T/P	WHT	10	P2	C29	C7+	59	P1	D17	24 T/P	WHT	30	P2	C21	C23+	99	P1	D27	24 T/P	WHT	50	P2	C13	C39+	139	P1	D37	24 T/P	WHT	70	P2	C5	C55+
20	P1	D8	24 T/P	BLK		P2	D29	C7-	60	P1	D18	24 T/P	BLK		P2	D21	C23-	100	P1	D28	24 T/P	BLK	50	P2	D13	C39-	140	P1	D38	24 T/P	BLK	70	P2	D5	C55-
21	P1	A10	24 T/P	WHT	11	P2	A28	C8+	61	P1	A20	24 T/P	WHT	31	P2	A20	C24+	101	P1	A30	24 T/P	WHT	51	P2	A12	C40+	141	P1	A40	24 T/P	WHT	71	P2	A4	C56+
22	P1	A11	24 T/P	BLK		P2	B28	C8-	62	P1	A21	24 T/P	BLK		P2	B20	C24-	102	P1	A31	24 T/P	BLK	51	P2	B12	C40-	142	P1	A41	24 T/P	BLK	71	P2	B4	C56-
23	P1	A12	24 T/P	WHT	12	P2	C28	C9+	63	P1	A22	24 T/P	WHT	32	P2	C20	C25+	103	P1	A32	24 T/P	WHT	52	P2	C12	C41+	143	P1	A42	24 T/P	WHT	72	P2	C4	C57+
24	P1	A13	24 T/P	BLK		P2	D28	C9-	64	P1	A23	24 T/P	BLK		P2	D20	C25-	104	P1	A33	24 T/P	BLK	52	P2	D12	C41-	144	P1	A43	24 T/P	BLK	72	P2	D4	C57-
25	P1	A14	24 T/P	WHT	13	P2	E28	R2+	65	P1	A24	24 T/P	WHT	33	P2	E20	R2+	105	P1	A34	24 T/P	WHT	53	P2	E12	R2+	145	P1	A44	24 T/P	WHT	73	P2	E4	R2+
26	P1	B14	24 T/P	BLK		P2	E27	R2-	66	P1	B24	24 T/P	BLK		P2	E19	R2-	106	P1	B34	24 T/P	BLK	53	P2	E11	R2-	146	P1	B44	24 T/P	BLK	73	P2	E3	R2-
27	P1	B10	24 T/P	WHT	14	P2	A27	C10+	67	P1	B20	24 T/P	WHT	34	P2	A19	C26+	107	P1	B30	24 T/P	WHT	54	P2	A11	C42+	147	P1	B40	24 T/P	WHT	74	P2	A3	C58+
28	P1	B11	24 T/P	BLK		P2	B27	C10-	68	P1	B21	24 T/P	BLK		P2	B19	C26-	108	P1	B31	24 T/P	BLK	54	P2	B11	C42-	148	P1	B41	24 T/P	BLK	74	P2	B3	C58-
29	P1	B12	24 T/P	WHT	15	P2	C27	C11+	69	P1	B22	24 T/P	WHT	35	P2	C19	C27+	109	P1	B32	24 T/P	WHT	55	P2	C11	C43+	149	P1	B42	24 T/P	WHT	75	P2	C3	C59+
30	P1	B13	24 T/P	BLK		P2	D27	C11-	70	P1	B23	24 T/P	BLK		P2	D19	C27-	110	P1	B33	24 T/P	BLK	55	P2	D11	C43-	150	P1	B43	24 T/P	BLK	75	P2	D3	C59-
31	P1	C10	24 T/P	WHT	16	P2	A26	C12+	71	P1	C20	24 T/P	WHT	36	P2	A18	C28+	111	P1	C30	24 T/P	WHT	56	P2	A10	C44+	151	P1	C40	24 T/P	WHT	76	P2	A2	C60+
32	P1	C11	24 T/P	BLK		P2	B26	C12-	72	P1	C21	24 T/P	BLK		P2	B18	C28-	112	P1	C31	24 T/P	BLK	56	P2	B10	C44-	152	P1	C41	24 T/P	BLK	76	P2	B2	C60-
33	P1	C12	24 T/P	WHT	17	P2	C26	C13+	73	P1	C22	24 T/P	WHT	37	P2	C18	C29+	113	P1	C32	24 T/P	WHT	57	P2	C10	C45+	153	P1	C42	24 T/P	WHT	77	P2	C2	C61+
34	P1	C13	24 T/P	BLK		P2	D26	C13-	74	P1	C23	24 T/P	BLK		P2	D18	C29-	114	P1	C33	24 T/P	BLK	57	P2	D10	C45-	154	P1	C43	24 T/P	BLK	77	P2	D2	C61-
35	P1	C14	24 T/P	WHT	18	P2	E26	R3+	75	P1	C24	24 T/P	WHT	38	P2	E18	R3+	115	P1	C34	24 T/P	WHT	58	P2	E10	R3+	155	P1	C44	24 T/P	WHT	78	P2	E2	R3+
36	P1	D14	24 T/P	BLK		P2	E25	R3-	76	P1	D24	24 T/P	BLK		P2	E17	R3-	116	P1	D34	24 T/P	BLK	58	P2	E9	R3-	156	P1	D44	24 T/P	BLK	78	P2	E1	R3-
37	P1	D10	24 T/P	WHT	19	P2	A25	C14+	77	P1	D20	24 T/P	WHT	39	P2	A17	C30+	117	P1	D30	24 T/P	WHT	59	P2	A9	C46+	157	P1	D40	24 T/P	WHT	79	P2	A1	C62+
38	P1	D11	24 T/P	BLK		P2	B25	C14-	78	P1	D21	24 T/P	BLK		P2	B17	C30-	118	P1	D31	24 T/P	BLK	59	P2	B9	C46-	158	P1	D41	24 T/P	BLK	79	P2	B1	C62-
39	P1	D12	24 T/P	WHT	20	P2	C25	C15+	79	P1	D22	24 T/P	WHT	40	P2	C17	C31+	119	P1	D32	24 T/P	WHT	60	P2	C9	C47+	159	P1	D42	24 T/P	WHT	80	P2	C1	C63+
40	P1	D13	24 T/P	BLK		P2	D25	C15-	80	P1	D23	24 T/P	BLK		P2	D17	C31-	120	P1	D33	24 T/P	BLK	60	P2	D9	C47-	160	P1	D43	24 T/P	BLK	80	P2	D1	C63-

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SIZE C	CAGE CODE 18117	DWG. NO. 540069120X40	REV D
SCALE: NONE		SHEET 2 OF 2	