

4

3

2

1

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.

REVISIONS			
REV	DESCRIPTION	DATE	ENGR
D	ECN #5635	11/19/14	L LOCKRIDGE

D

D

C

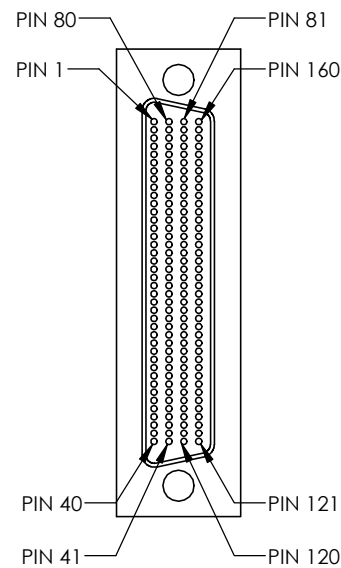
C

B

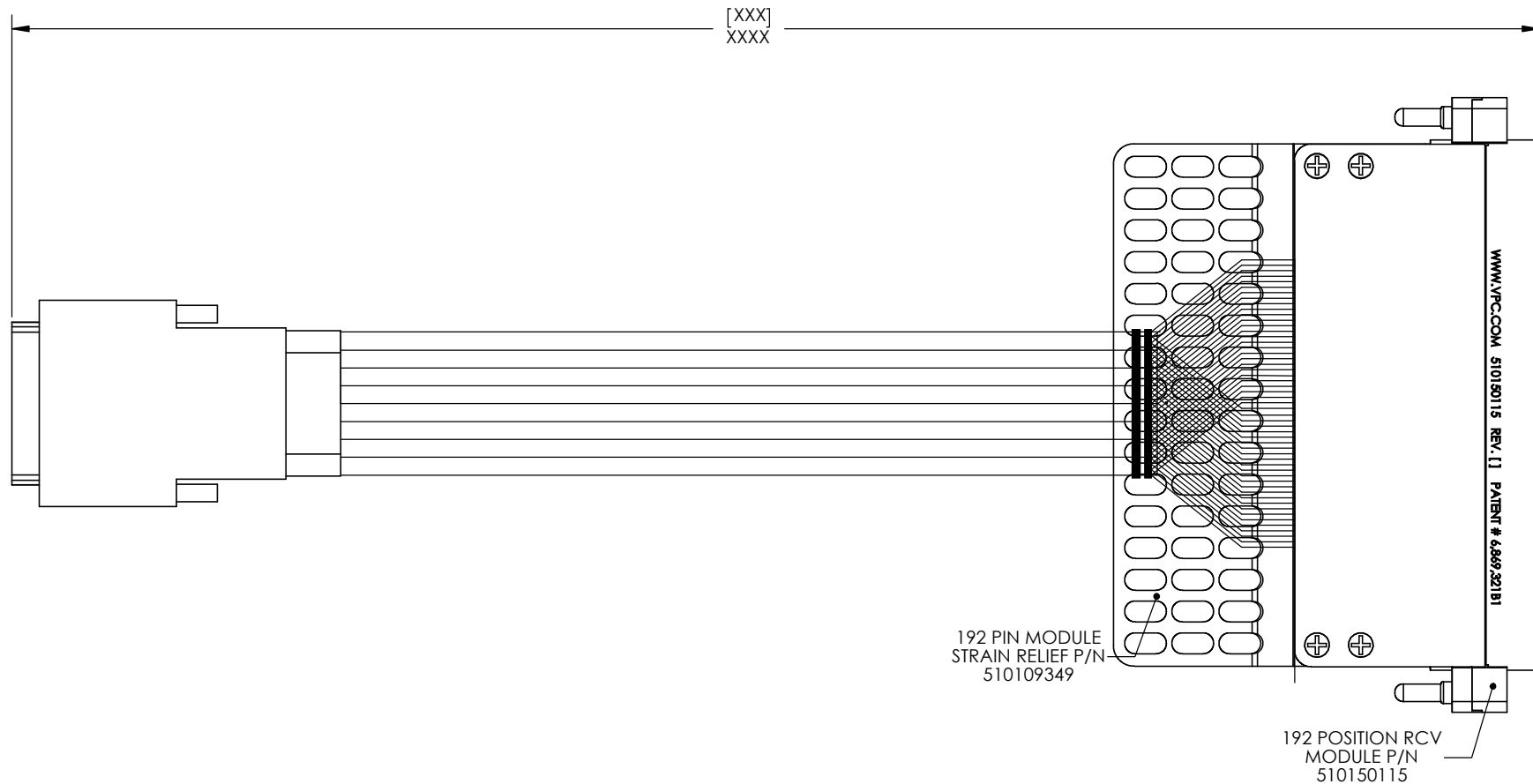
B

A

A

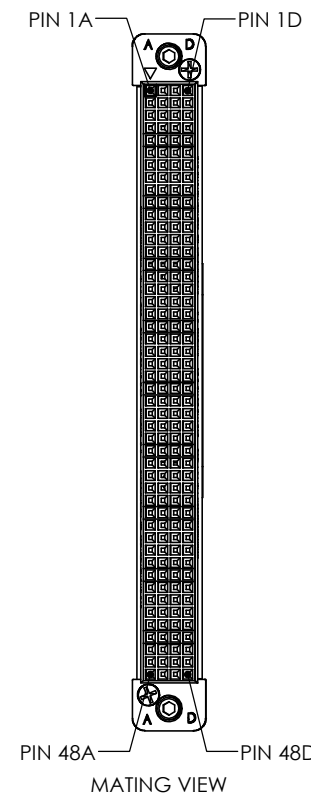


160 PIN CONNECTOR MATING VIEW



192 PIN MODULE STRAIN RELIEF P/N 510109349

192 POSITION RCV MODULE P/N 510150115



MATING VIEW

**MATING ITA MODULE: 510151105 (1)**  
**MATING ITA PATCHCORDS: 7-121924000-036 (168)**

**CUSTOMER DRAWING**  
**VPC**  
 CBA, RCV, QUADRAPADDLE TO  
 160-PIN LFH CONN f/NI PXI-2576

DIMENSIONS ARE SHOWN AS:  
 [MILLIMETERS]  
 INCHES

SIZE	CAGE CODE	DWG. NO.	REV
C	18117	<b>540025010X40</b>	D
SCALE: NTS	540025010140	3/25/09	SHEET 1 OF 2

4

3

2

1

LFH Pin #	Signal Name	Line	Cable Color	50-Pin D-Sub Connector	Pin	510150115 Pin	LFH Pin #	Signal Name	Line	Cable Color	50-Pin D-Sub Connector	Pin	510150115 Pin	LFH Pin #	Signal Name	Line	Cable Color	50-Pin D-Sub Connector	Pin	510150115 Pin	LFH Pin #	Signal Name	Line	Cable Color	50-Pin D-Sub Connector	Pin	510150115 Pin
159	COM0-		WHITE/BLUE		20	3B	149	COM4-		WHITE/BLUE		20	14B	139	COM8-		WHITE/BLUE		20	24B	129	COM12-		WHITE/BLUE		20	35B
160	COM0+		BLUE/WHITE		19	3A	150	COM4+		BLUE/WHITE		19	14A	140	COM8+		BLUE/WHITE		19	24A	130	COM12+		BLUE/WHITE		19	35A
157	CH0-		WHITE/ORANGE		2	1B	147	CH16-		WHITE/ORANGE		2	12B	137	CH32-		WHITE/ORANGE		2	22B	127	CH48-		WHITE/ORANGE		2	33B
158	CH0+		ORANGE/WHITE		1	1A	148	CH16+		ORANGE/WHITE		1	12A	138	CH32+		ORANGE/WHITE		1	22A	128	CH48+		ORANGE/WHITE		1	33A
155	CH1-		WHITE/GREEN		4	1D	145	CH17-		WHITE/GREEN		4	12D	135	CH33-		WHITE/GREEN		4	22D	125	CH49-		WHITE/GREEN		4	33D
156	CH1+		GREEN/WHITE		3	1C	146	CH17+		GREEN/WHITE		3	12C	136	CH33+		GREEN/WHITE		3	22C	126	CH49+		GREEN/WHITE		3	33C
153	CH2-		WHITE/BROWN		35	2B	143	CH18-		WHITE/BROWN		35	13B	133	CH34-		WHITE/BROWN		35	23B	123	CH50-		WHITE/BROWN		35	34B
154	CH2+		BROWN/WHITE		34	2A	144	CH18+		BROWN/WHITE		34	13A	134	CH34+		BROWN/WHITE		34	23A	124	CH50+		BROWN/WHITE		34	34A
151	CH3-		WHITE/GRAY		37	2D	141	CH19-		WHITE/GRAY		37	13D	131	CH35-		WHITE/GRAY		37	23D	121	CH51-		WHITE/GRAY		37	34D
152	CH3+		GRAY/WHITE		36	2C	142	CH19+		GRAY/WHITE		36	13C	132	CH35+		GRAY/WHITE		36	23C	122	CH51+		GRAY/WHITE		36	34C
82	COM1-	C1	RED/BLUE		24	5D	92	COM5-	C3	RED/BLUE		24	16D	102	COM9-	C5	RED/BLUE		24	26D	112	COM13-	C7	RED/BLUE		24	37D
81	COM1+		BLUE/RED		23	5C	91	COM5+		BLUE/RED		23	16C	101	COM9+		BLUE/RED		23	26C	111	COM13+		BLUE/RED		23	37C
84	CH4-		RED/ORANGE		6	3D	94	CH20-		RED/ORANGE		6	14D	104	CH36-		RED/ORANGE		6	24D	114	CH52-		RED/ORANGE		6	35D
83	CH4+		ORANGE/RED		5	3C	93	CH20+		ORANGE/RED		5	14C	103	CH36+		ORANGE/RED		5	24C	113	CH52+		ORANGE/RED		5	35C
86	CH5-		RED/GREEN		8	4B	96	CH21-		RED/GREEN		8	15B	106	CH37-		RED/GREEN		8	25B	116	CH53-		RED/GREEN		8	36B
85	CH5+		GREEN/RED		7	4A	95	CH21+		GREEN/RED		7	15A	105	CH37+		GREEN/RED		7	25A	115	CH53+		GREEN/RED		7	36A
88	CH6-		RED/BROWN		39	4D	98	CH22-		RED/BROWN		39	15D	108	CH38-		RED/BROWN		39	25D	118	CH54-		RED/BROWN		39	36D
87	CH6+		BROWN/RED		38	4C	97	CH22+		BROWN/RED		38	15C	107	CH38+		BROWN/RED		38	25C	117	CH54+		BROWN/RED		38	36C
90	CH7-		RED/GRAY		41	5B	100	CH23-		RED/GRAY		41	16B	110	CH39-		RED/GRAY		41	26B	120	CH55-		RED/GRAY		41	37B
89	CH7+		GRAY/RED		40	5A	99	CH23+		GRAY/RED		40	16A	109	CH39+		GRAY/RED		40	26A	119	CH55+		GRAY/RED		40	37A
161	Shield_GND1		braided shield	P1	shell	11A	161	Shield_GND3		braided shield	P2	shell	11C	162	Shield_GND5		braided shield	P3	shell	32A	162	Shield_GND7		braided shield	P4	shell	32C
79	COM2-		WHITE/BLUE		28	8B	69	COM6-		WHITE/BLUE		28	19B	59	COM10-		WHITE/BLUE		28	29B	49	COM14-		WHITE/BLUE		28	40B
80	COM2+		BLUE/WHITE		27	8A	70	COM6+		BLUE/WHITE		27	19A	60	COM10+		BLUE/WHITE		27	29A	50	COM14+		BLUE/WHITE		27	40A
77	CH8-		WHITE/ORANGE		10	6B	67	CH24-		WHITE/ORANGE		10	17B	57	CH40-		WHITE/ORANGE		10	27B	47	CH56-		WHITE/ORANGE		10	38B
78	CH8+		ORANGE/WHITE		9	6A	68	CH24+		ORANGE/WHITE		9	17A	58	CH40+		ORANGE/WHITE		9	27A	48	CH56+		ORANGE/WHITE		9	38A
75	CH9-		WHITE/GREEN		12	6D	65	CH25-		WHITE/GREEN		12	17D	55	CH41-		WHITE/GREEN		12	27D	45	CH57-		WHITE/GREEN		12	38D
76	CH9+		GREEN/WHITE		11	6C	66	CH25+		GREEN/WHITE		11	17C	56	CH41+		GREEN/WHITE		11	27C	46	CH57+		GREEN/WHITE		11	38C
73	CH10-		WHITE/BROWN		43	7B	63	CH26-		WHITE/BROWN		43	18B	53	CH42-		WHITE/BROWN		43	28B	43	CH58-		WHITE/BROWN		43	39B
74	CH10+		BROWN/WHITE		42	7A	64	CH26+		BROWN/WHITE		42	18A	54	CH42+		BROWN/WHITE		42	28A	44	CH58+		BROWN/WHITE		42	39A
71	CH11-		WHITE/GRAY		45	7D	61	CH27-		WHITE/GRAY		45	18D	51	CH43-		WHITE/GRAY		45	28D	41	CH59-		WHITE/GRAY		45	39D
72	CH11+		GRAY/WHITE		44	7C	62	CH27+		GRAY/WHITE		44	18C	52	CH43+		GRAY/WHITE		44	28C	42	CH59+		GRAY/WHITE		44	39C
2	COM3-	C2	RED/BLUE		32	10D	12	COM7-	C4	RED/BLUE		32	21D	22	COM11-	C6	RED/BLUE		32	31D	32	COM15-	C8	RED/BLUE		32	42D
1	COM3+		BLUE/RED		31	10C	11	COM7+		BLUE/RED		31	21C	21	COM11+		BLUE/RED		31	31C	31	COM15+		BLUE/RED		31	42C
4	CH12-		RED/ORANGE		14	8D	14	CH28-		RED/ORANGE		14	19D	24	CH44-		RED/ORANGE		14	29D	34	CH60-		RED/ORANGE		14	40D
3	CH12+		ORANGE/RED		13	8C	13	CH28+		ORANGE/RED		13	19C	23	CH44+		ORANGE/RED		13	29C	33	CH60+		ORANGE/RED		13	40C
6	CH13-		RED/GREEN		16	9B	16	CH29-		RED/GREEN		16	20B	26	CH45-		RED/GREEN		16	30B	36	CH61-		RED/GREEN		16	41B
5	CH13+		GREEN/RED		15	9A	15	CH29+		GREEN/RED		15	20A	25	CH45+		GREEN/RED		15	30A	35	CH61+		GREEN/RED		15	41A
8	CH14-		RED/BROWN		47	9D	18	CH30-		RED/BROWN		47	20D	28	CH46-		RED/BROWN		47	30D	38	CH62-		RED/BROWN		47	41D
7	CH14+		BROWN/RED		46	9C	17	CH30+		BROWN/RED		46	20C	27	CH46+		BROWN/RED		46	30C	37	CH62+		BROWN/RED		46	41C
10	CH15-		RED/GRAY		49	10B	20	CH31-		RED/GRAY		49	21B	30	CH47-		RED/GRAY		49	31B	40	CH63-		RED/GRAY		49	42B
9	CH15+		GRAY/RED		48	10A	19	CH31+		GRAY/RED		48	21A	29	CH47+		GRAY/RED		48	31A	39	CH63+		GRAY/RED		48	42A
161	Shield_GND2		braided shield		shell	11B	161	Shield_GND4		braided shield		shell	11D	162	Shield_GND6		braided shield		shell	32B	162	Shield_GND8		braided shield		shell	32D

DO NOT SCALE DRAWING

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.

SIZE	CAGE CODE	DWG. NO.	REV
C	18117	540025010140	D
SCALE:	NTS	540025010140	3/25/09 SHEET 2 OF 2