DO NOT SCALE DRAWING

REVISIONS

REV	DESCRIPTION	DATE	ENGR
G	ECN #12391	4/4/22	R HERRON

CONNECTOR B3, PIN 0
CONNECTOR B2, PIN 0
CONNECTOR B1, PIN 0

POSITION 1 A — POSITION 1 D

[142.49]
5.61

POSITION 48 A — POSITION 48 D

B3   B2   B1

B6   B5   B4

[86.45]
3.40

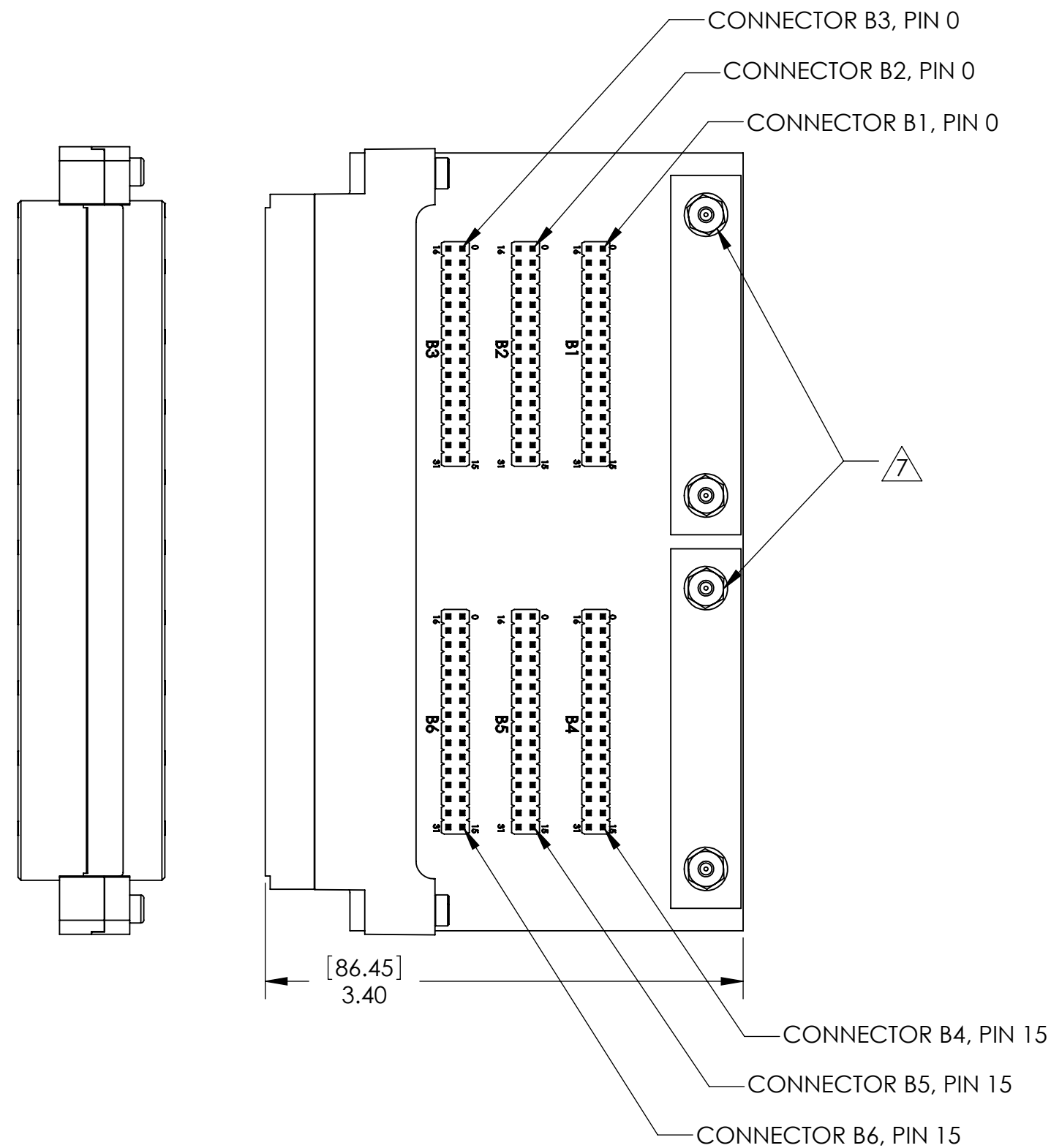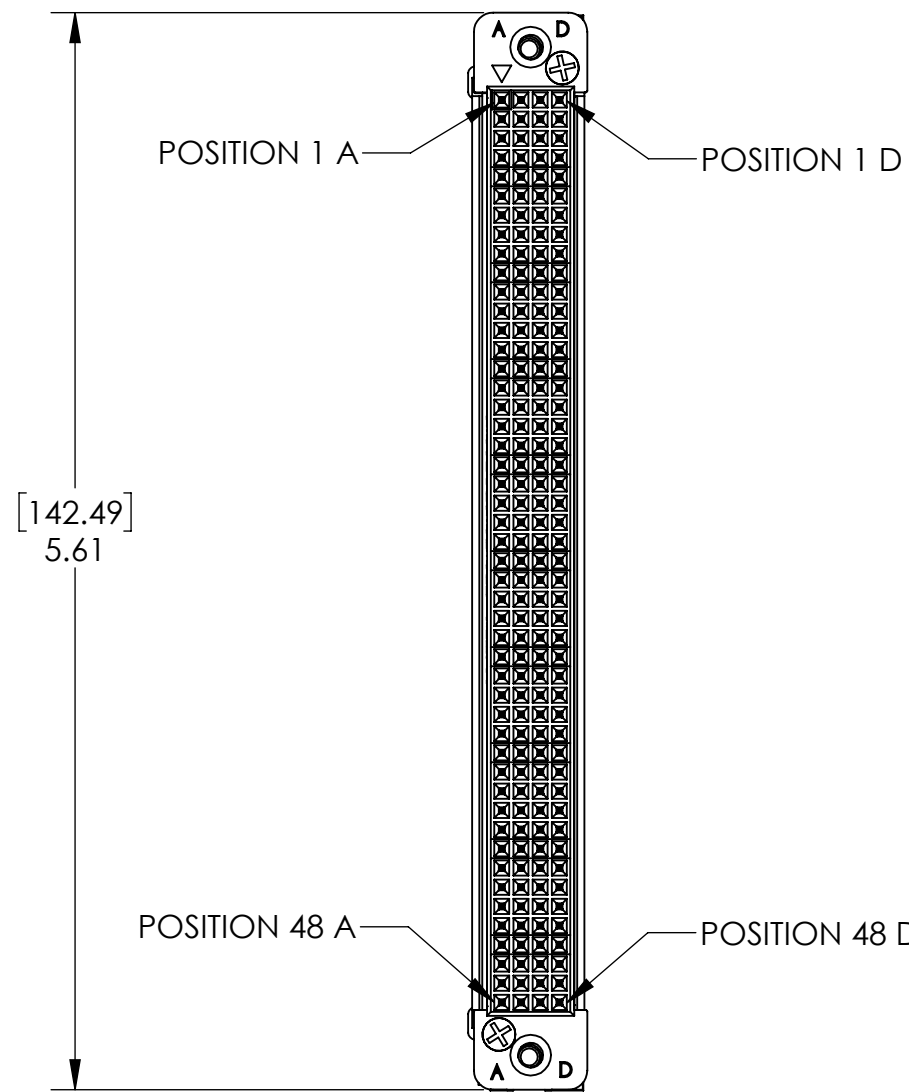CONNECTOR B4, PIN 15
CONNECTOR B5, PIN 15
CONNECTOR B6, PIN 15

NOTES:

8. WHEN LOADING PCBS SIDE-BY-SIDE SOLDER TAILS COULD INTERFERE WITH ADJACENT PCBS.

⟨7⟩ LIMIT TORQUE TO 4 IN-LBS MAXIMUM ON NUTS

6. TECHNICAL DATA:
   MATERIAL : BOARD FR4 w/SOLDERMASK
   VPC CONNECTOR BLACK LCP w/GOLD PLATED BERYLIUM COPPER CONTACTS
   BOARD CONNECTOR BLACK LCP w/GOLD PLATED PHOSPHOR BRONZE POSTS
   CURRENT: 2 AMPERE CONTINUOUS @150V RMS

5. ITEMS SHIPPED LOOSE, NOT SHOWN
   (QTY 2) 4-40X.13" THREADED STANDOFF
   (QTY 2) 4-40X1.25 " SOCKETHEAD CAP SCREW
   (QTY 2) 4-40X.31" THREADED STANDOFF

4. SIX 32 PIN DOUBLE ENDED RIBBON CABLES, VPC PART # 515 109 163, INCLUDED AND ATTACHED TO THE PCB

3. THIS PCB ADAPTER WAS DESIGNED WITH A LEFT MOUNTED PC BOARD FOR OPTIMAL CABLE MANAGEMENT
   DO NOT MOUNT BESIDE A PCB ADAPTER WITH A RIGHT MOUNTED PC BOARD

2. THIS PCB ADAPTER WILL ACCOMMODATE ONE OR TWO NATIONAL INSTRUMENTS TB-2634 TERMINAL BLOCKS
   USE MATRIX 1 CONNECTORS - B1, B2 AND B3 FOR FIRST TERMINAL BLOCK
   USE MATRIX 2 CONNECTORS - B4, B5 AND B6 FOR SECOND TERMINAL BLOCK

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

CUSTOMER DRAWING

VIRGINIA PANEL CORPORATION
WWW.VPC.COM

PCB ADAPTER, RECEIVER, 192 POSITION
QUADRAPADDLE TO NI PXI-2529 WITH SIX 36" CABLES

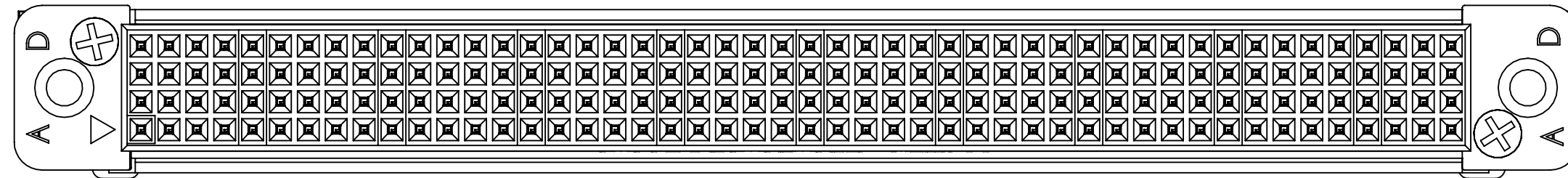| DIMENSIONS ARE SHOWN AS:	SIZE	CAGE CODE	DWG.NO.		REV
[MILLIMETERS] INCHES	C	18117	510150154		G
	SCALE: 1:1	510150154	4/27/06	SHEET 1 OF 2	

SIGNAL TRACES

VPC Module	Connector	VPC Module	Connector	VPC Module	Connector	VPC Module	Connector	VPC Module	Connector	VPC Module	Connector	VPC Module	Connector	VPC Module	Connector
A1 >	B2-16	A25>	B3-24	B1 >	B2-0	B25>	B3-8	C1 >	B1-16	C25>	B6-24	D1 >	B1-0	D25>	B6-8
A2 >	B2-17	A26>	NC	B2 >	B2-1	B26>	NC	C2 >	B1-17	C26>	NC	D2 >	B1-1	D26>	NC
A3 >	B2-18	A27 >	B3-26	B3 >	B2-2	B27 >	B3-10	C3 >	B1-18	C27 >	B6-26	D3 >	B1-2	D27 >	B6-10
A4 >	B2-19	A28 >	NC	B4 >	B2-3	B28 >	NC	C4 >	B1-19	C28 >	NC	D4 >	B1-3	D28 >	NC
A5 >	B2-20	A29 >	B3-28	B5 >	B2-4	B29 >	B3-12	C5 >	B1-20	C29 >	B6-28	D5 >	B1-4	D29 >	B6-12
A6 >	B2-21	A30 >	NC	B6 >	B2-5	B30 >	NC	C6 >	B1-21	C30 >	NC	D6 >	B1-5	D30 >	NC
A7 >	B2-22	A31 >	B3-30	B7 >	B2-6	B31 >	B3-14	C7 >	B1-22	C31 >	B6-30	D7 >	B1-6	D31 >	B6-14
A8 >	B2-23	A32 >	NC	B8 >	B2-7	B32 >	NC	C8 >	B1-23	C32 >	NC	D8 >	B1-7	D32 >	NC
A9 >	B2-24	A33 >	B5-16	B9 >	B2-8	B33 >	B5-0	C9 >	B1-24	C33 >	B4-16	D9 >	B1-8	D33 >	B4-0
A10 >	B2-25	A34 >	B5-17	B10 >	B2-9	B34 >	B5-1	C10 >	B1-25	C34 >	B4-17	D10 >	B1-9	D34 >	B4-1
A11 >	B2-26	A35 >	B5-18	B11 >	B2-10	B35 >	B5-2	C11 >	B1-26	C35 >	B4-18	D11 >	B1-10	D35 >	B4-2
A12 >	B2-27	A36 >	B5-19	B12 >	B2-11	B36 >	B5-3	C12 >	B1-27	C36 >	B4-19	D12 >	B1-11	D36 >	B4-3
A13 >	B2-28	A37 >	B5-20	B13 >	B2-12	B37 >	B5-4	C13 >	B1-28	C37 >	B4-20	D13 >	B1-12	D37 >	B4-4
A14 >	B2-29	A38 >	B5-21	B14 >	B2-13	B38 >	B5-5	C14 >	B1-29	C38 >	B4-21	D14 >	B1-13	D38 >	B4-5
A15 >	B2-30	A39 >	B5-22	B15 >	B2-14	B39 >	B5-6	C15 >	B1-30	C39 >	B4-22	D15 >	B1-14	D39 >	B4-6
A16 >	B2-31	A40 >	B5-23	B16 >	B2-15	B40 >	B5-7	C16 >	B1-31	C40 >	B4-23	D16 >	B1-15	D40 >	B4-7
A17 >	B3-16	A41 >	B5-24	B17 >	B3-0	B41 >	B5-8	C17 >	B6-16	C41 >	B4-24	D17 >	B6-0	D41 >	B4-8
A18 >	NC	A42 >	B5-25	B18 >	NC	B42 >	B5-9	C18 >	NC	C42 >	B4-25	D18 >	NC	D42 >	B4-9
A19 >	B3-18	A43 >	B5-26	B19 >	B3-2	B43 >	B5-10	C19 >	B6-18	C43 >	B4-26	D19 >	B6-2	D43 >	B4-10
A20 >	NC	A44 >	B5-27	B20 >	NC	B44 >	B5-11	C20 >	NC	C44 >	B4-27	D20 >	NC	D44 >	B4-11
A21 >	B3-20	A45 >	B5-28	B21 >	B3-4	B45 >	B5-12	C21 >	B6-20	C45 >	B4-28	D21 >	B6-4	D45 >	B4-12
A22 >	NC	A46 >	B5-29	B22 >	NC	B46 >	B5-13	C22 >	NC	C46 >	B4-29	D22 >	NC	D46 >	B4-13
A23 >	B3-22	A47 >	B5-30	B23 >	B3-6	B47 >	B5-14	C23 >	B6-22	C47 >	B4-30	D23 >	B6-6	D47 >	B4-14
A24>	NC	A48 >	B5-31	B24>	NC	B48 >	B5-15	C24>	NC	C48 >	B4-31	D24>	NC	D48 >	B4-15

NC= NO CONNECT

CONNECTOR B1   CONNECTOR B6   CONNECTOR B4

D1-	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	0	1	2	3	0	1	2	3	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D48				
C1+	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	0	1	2	3	0	1	2	3	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	C48				
B1-	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	0	1	2	3	0	1	2	3	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	B48				
A1+	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	0	1	2	3	0	1	2	3	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	A48				

CONNECTOR B2   CONNECTOR B3   CONNECTOR B5

DO NOT SCALE DRAWING

SIZE	CAGE CODE	DWG.NO.		REV
C	18117	**510150154**		G
SCALE: 2:1	510150154		4/27/06	SHEET 2 OF 2