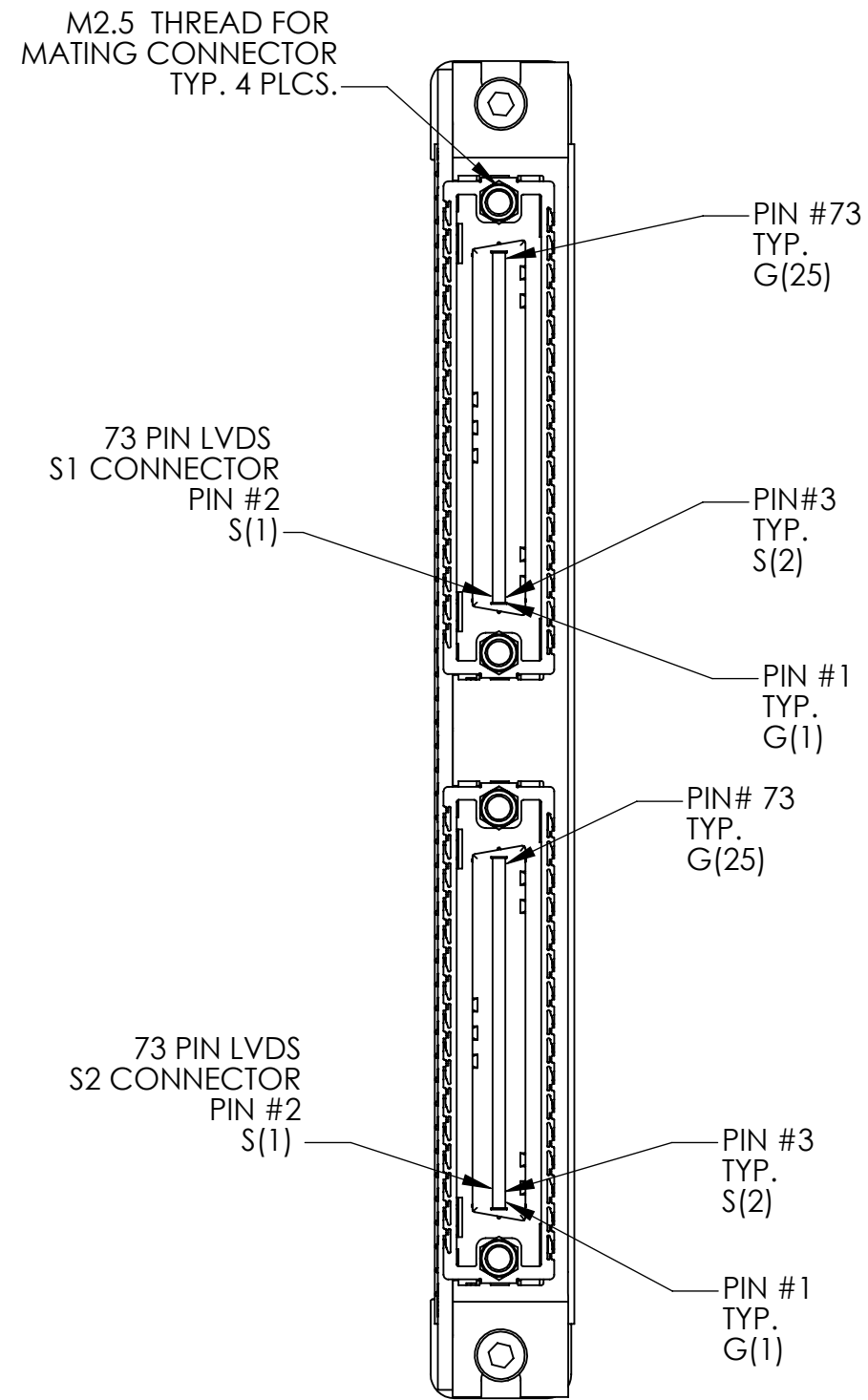


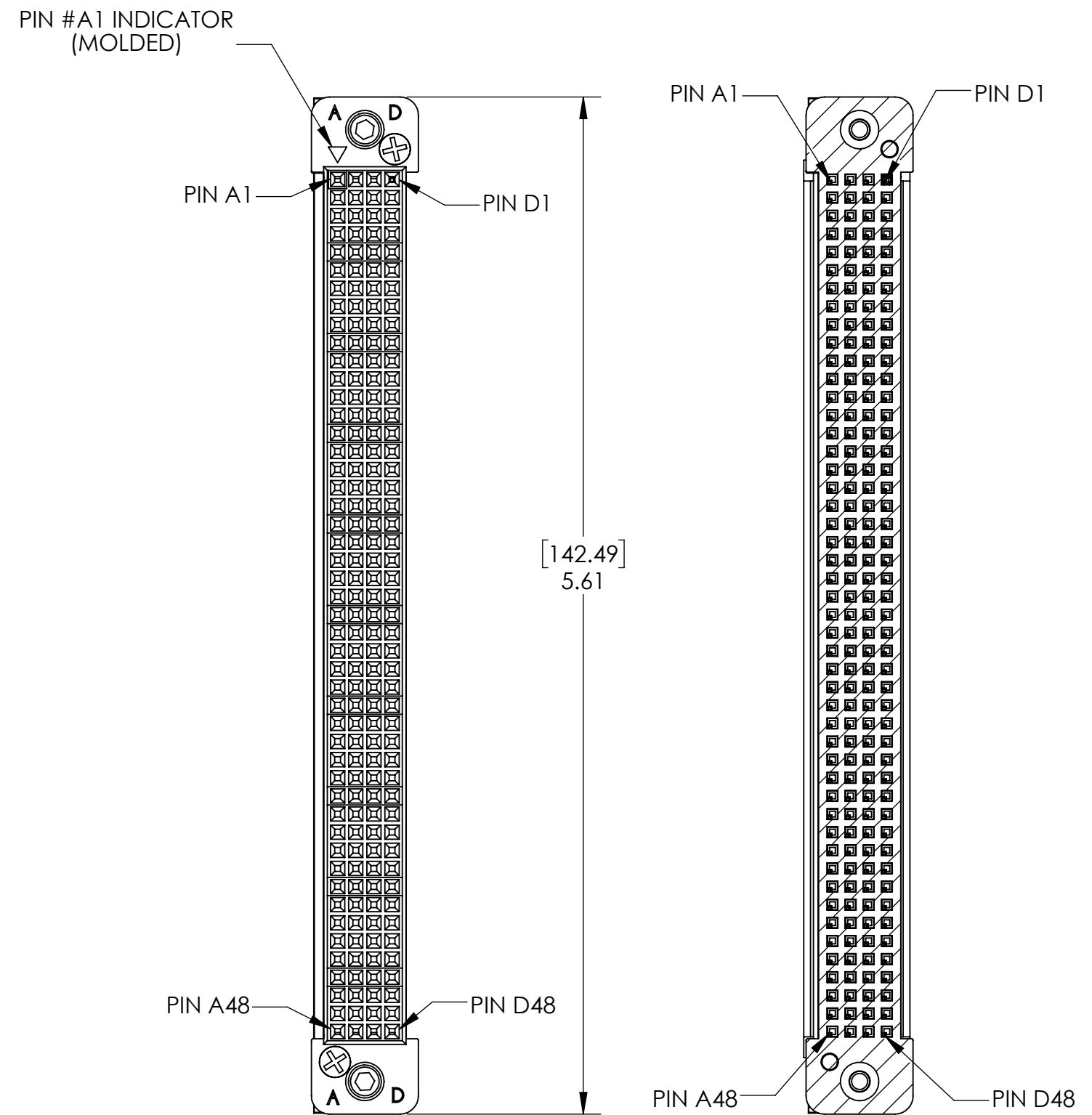
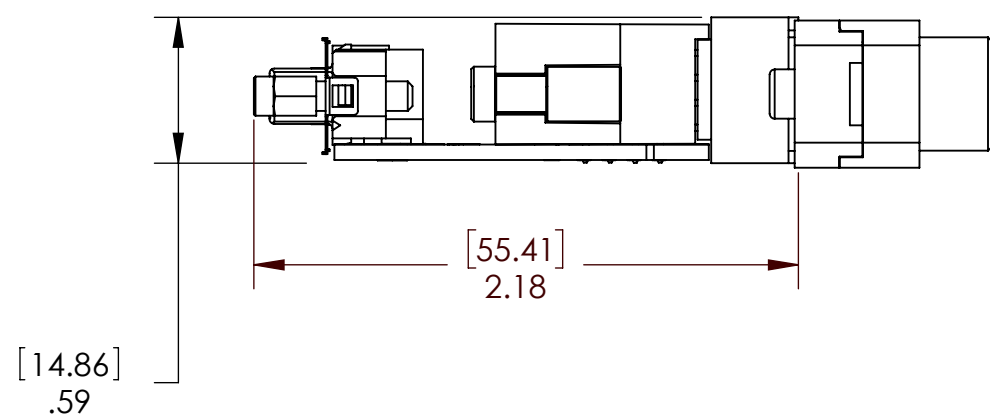
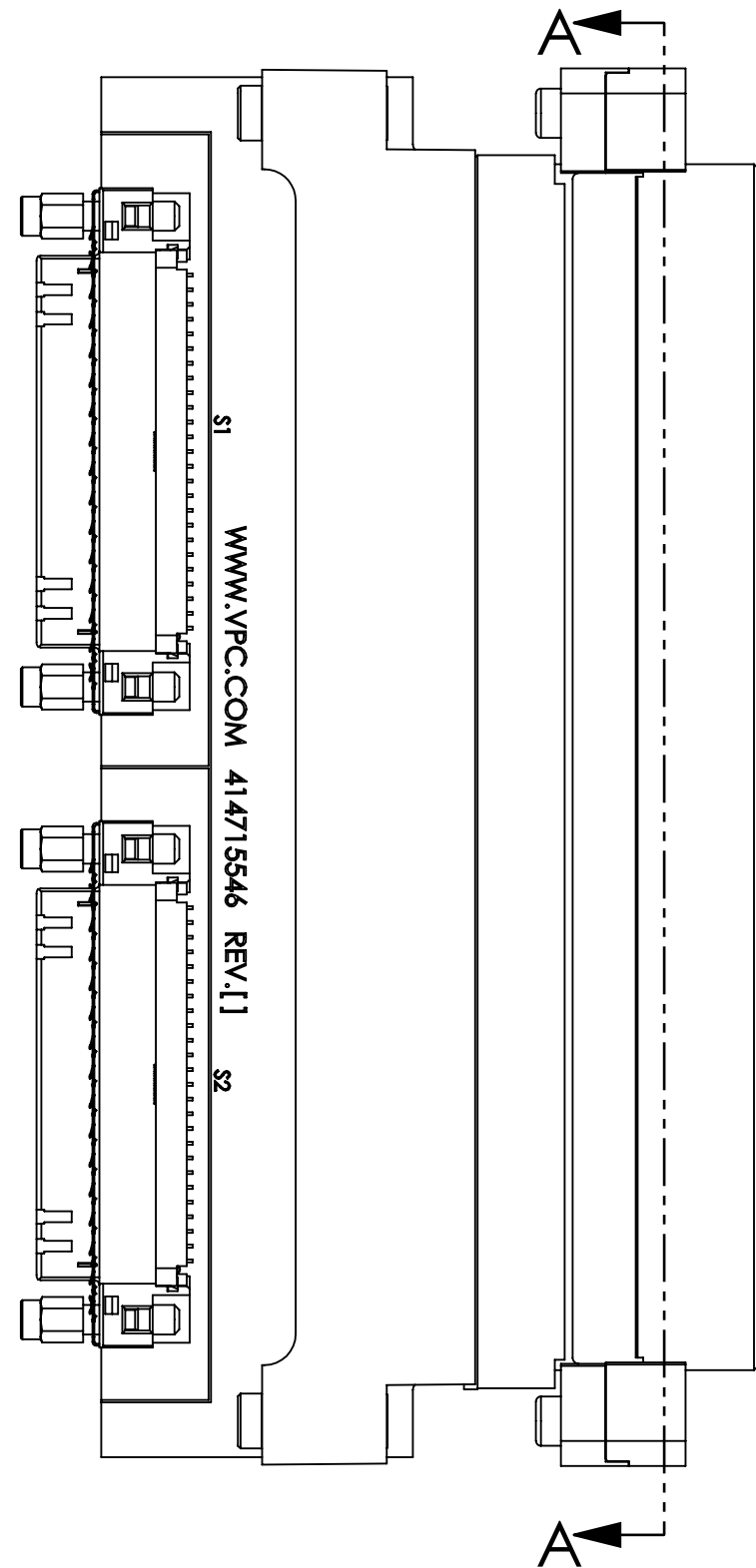
DO NOT SCALE DRAWING

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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	L	ECN#15714	3/30/26	N BOODY



VIEW OF LVDS CONNECTOR MATING SIDE



VIEW OF VPC RECEIVER MODULE FRONT MATING (ITA) SIDE P/N 510150130

SECTION A-A

4. WHEN LOADING PCBs SIDE-BY-SIDE SOLDER TAILS COULD INTERFERE WITH ADJACENT PCBs.
- 3 TECHNICAL DATA:
 CONNECTOR:
 CURRENT = 0.5 AMP @ 30 VAC
 TEMP = -55° to 105° C
 TERMINATION RESISTANCE = 25 MOHMS
 ISULATION RESISTANCE = 1000 MOHMS Min.
 DWV = 500 VAC
 BOARD:
 CURRENT = 0.5 AMP @ 30 VAC
- 2 MATERIALS:
 CONNECTOR:
 INSULATOR = BLACK LCP
 CONTACT = PHOS. BRONZE
 CONTACT PLATING = MATING AREA - .00076 MIN GOLD
 SOLDER POST - TIN LEAD. LEAD < 0.1% BY WEIGHT OVER ENTIRE Ni UNDERPLATE
- BOARD:
 ISOLA PCL370HR w/ SOLDERMASK

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

NOTES:

CUSTOMER DRAWING - CUSTOMER DRAWING

SOLIDWORKS DRAWING FILE	DIMENSIONS ARE SHOWN AS:		SIGNATURES		DATE	VIRGINIA PANEL CORPORATION WWW.VPC.COM		
	(millimeters)		DR	D Ashby	5/15/12			
	INCHES		CHK	M DOLFI	5/20/03	SIZE FSCM NO. DWG.NO. REV C 18117 510150210 L		
	REMOVE BURRS. BREAK SHARP EDGES		ENG					
	MATERIAL		PROD					

SIGNAL TRACES

A1-S1,G24	B1-S1,S48	C1-S1,S47	D1-S1,G25	A48-S2,G1	B48-S2,S2	C48-S2,S1	D48-GP
A2-S1,G23	B2-S1,S46	C2-S1,S45	D2-GP	A47-S2,G2	B47-S2,S4	C47-S2,S3	D47-GP
A3-S1,G22	B3-S1,S44	C3-S1,S43	D3-GP	A46-S2,G3	B46-S2,S6	C46-S2,S5	D46-GP
A4-S1,G21	B4-S1,S42	C4-S1,S41	D4-GP	A45-S2,G4	B45-S2,S8	C45-S2,S7	D45-GP
A5-S1,G20	B5-S1,S40	C5-S1,S39	D5-GP	A44-S2,G5	B44-S2,S10	C44-S2,S9	D44-GP
A6-S1,G19	B6-S1,S38	C6-S1,S37	D6-GP	A43-S2,G6	B43-S2,S12	C43-S2,S11	D43-GP
A7-S1,G18	B7-S1,S36	C7-S1,S35	D7-GP	A42-S2,G7	B42-S2,S14	C42-S2,S13	D42-GP
A8-S1,G17	B8-S1,S34	C8-S1,S33	D8-GP	A41-S2,G8	B41-S2,S16	C41-S2,S15	D41-GP
A9-S1,G16	B9-S1,S32	C9-S1,S31	D9-GP	A40-S2,G9	B40-S2,S18	C40-S2,S17	D40-GP
A10-S1,G15	B10-S1,S30	C10-S1,S29	D10-GP	A39-S2,G10	B39-S2,S20	C39-S2,S19	D39-GP
A11-S1,G14	B11-S1,S28	C11-S1,S27	D11-GP	A38-S2,G11	B38-S2,S22	C38-S2,S21	D38-GP
A12-S1,G13	B12-S1,S26	C12-S1,S25	D12-GP	A37-S2,G12	B37-S2,S24	C37-S2,S23	D37-GP
A13-S1,G12	B13-S1,S24	C13-S1,S23	D13-GP	A36-S2,G13	B36-S2,S26	C36-S2,S25	D36-GP
A14-S1,G11	B14-S1,S22	C14-S1,S21	D14-GP	A35-S2,G14	B35-S2,S28	C35-S2,S27	D35-GP
A15-S1,G10	B15-S1,S20	C15-S1,S19	D15-GP	A34-S2,G15	B34-S2,S30	C34-S2,S29	D34-GP
A16-S1,G9	B16-S1,S18	C16-S1,S17	D16-GP	A33-S2,G16	B33-S2,S32	C33-S2,S31	D33-GP
A17-S1,G8	B17-S1,S16	C17-S1,S15	D17-GP	A32-S2,G17	B32-S2,S34	C32-S2,S33	D32-GP
A18-S1,G7	B18-S1,S14	C18-S1,S13	D18-GP	A31-S2,G18	B31-S2,S36	C31-S2,S35	D31-GP
A19-S1,G6	B19-S1,S12	C19-S1,S11	D19-GP	A30-S2,G19	B30-S2,S38	C30-S2,S37	D30-GP
A20-S1,G5	B20-S1,S10	C20-S1,S9	D20-GP	A29-S2,G20	B29-S2,S40	C29-S2,S39	D29-GP
A21-S1,G4	B21-S1,S8	C21-S1,S7	D21-GP	A28-S2,G21	B28-S2,S42	C28-S2,S41	D28-GP
A22-S1,G3	B22-S1,S6	C22-S1,S5	D22-GP	A27-S2,G22	B27-S2,S44	C27-S2,S43	D27-GP
A23-S1,G2	B23-S1,S4	C23-S1,S3	D23-GP	A26-S2,G23	B26-S2,S46	C26-S2,S45	D26-GP
A24-S1,G1	B24-S1,S2	C24-S1,S1	D24-GP	A25-S2,G24	B25-S2,S48	C25-S2,S47	D25-S2,G25

NOTES:

GP=GROUND PLANE CONNECT

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SIZE	CAGE CODE	DWG.NO.	REV
C	18117	510150210	L
SCALE:	1:1	510150210	5/15/12 SHEET 2 OF 2

DO NOT SCALE DRAWING

4

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2

1

DO NOT SCALE DRAWING

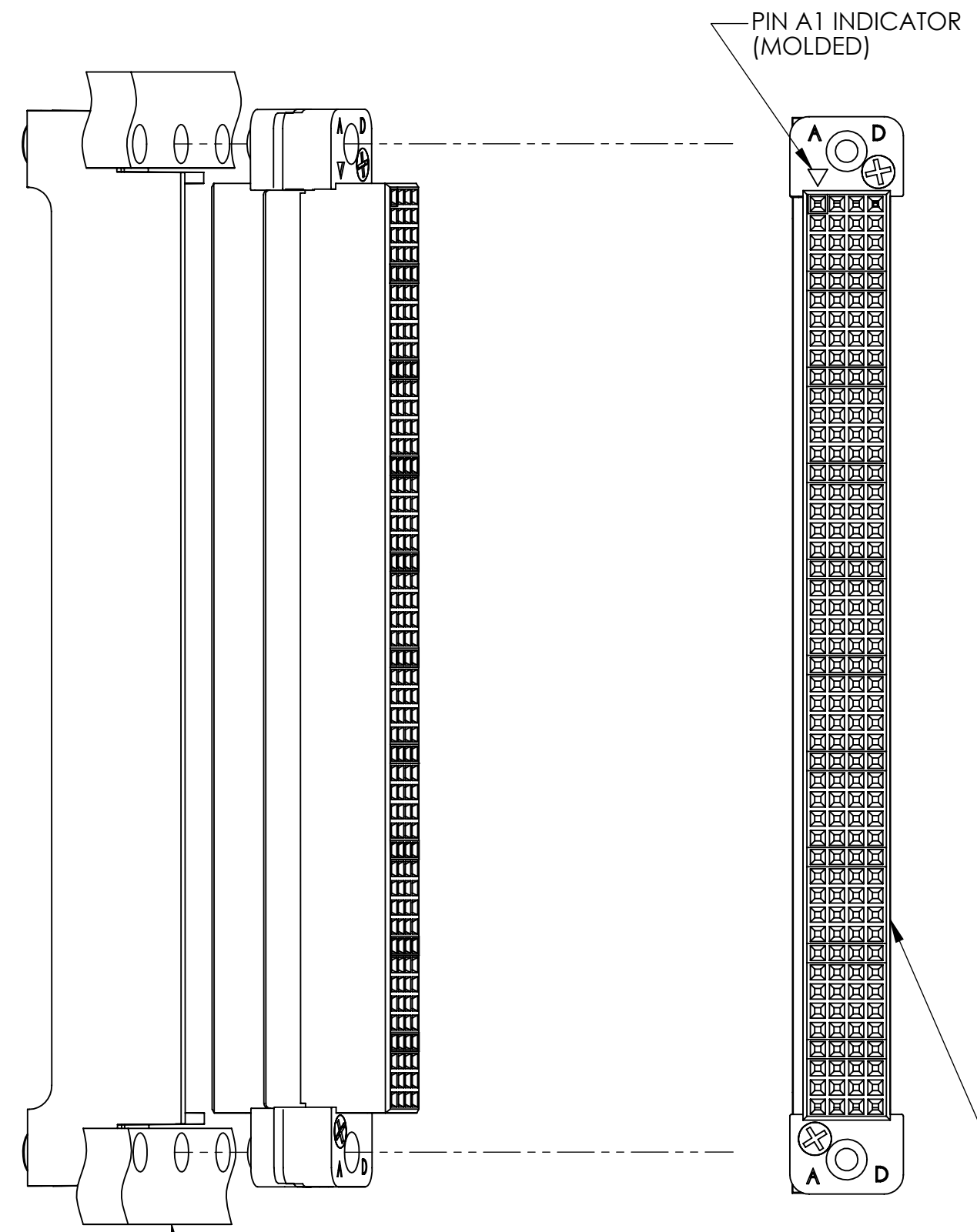
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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	L	ECN #15714	3/30/26	N BOODY

ASSEMBLY INSTRUCTIONS

1. USING A 3/32" HEX WRENCH INSTALL THE RECEIVER MODULE INTO THE RECEIVER FRAME WITH THE TWO 4-40 x 1-1/4" SCREWS (SEE FIG. 1)
2. ACCESSING THE BACKSIDE OF VPC'S RECEIVER, INSTALL THE 4-40 THREADED STAND-OFFS ACCORDING TO TABLE 1 BELOW (SEE FIG. 2)
3. USING A 3/32" HEX WRENCH CAREFULLY INSTALL THE PCB ASSEMBLY ONTO THE BACKSIDE OF VPC'S RECEIVER MODULE INSURING THAT PIN A1 OF THE MODULE AND PIN A1 OF THE PCB ASSEMBLY COINCIDE. FOR BEST RESULTS ONLY TURN SCREWS 1-1/2 TO 2 TURNS EACH ALTERNATELY UNTIL ASSEMBLY IS COMPLETE. ***DO NOT OVERTIGHTEN*** (SEE FIG. 3)
4. TO UNMATE THE PCB ASSEMBLY FROM THE ITA MODULE USE THE SAME ALTERNATING PATTERN OF 1-1/2 TO 2 TURNS UNTIL PCB ASSEMBLY IS FULLY DISENGAGED

FIG. 1



VPC RECEIVER FRAME NOT SUPPLIED REF. TABLE 1

THIS VIEW REPRESENTS CORRECT MODULE ORIENTATION WHEN PROPERLY PLACED IN A VPC RECEIVER - NOTE PIN A1 INDICATOR LOCATED AT UPPER LEFT POSITION

FIG. 2

VPC RECEIVER FRAME NOT SUPPLIED REF. TABLE 1

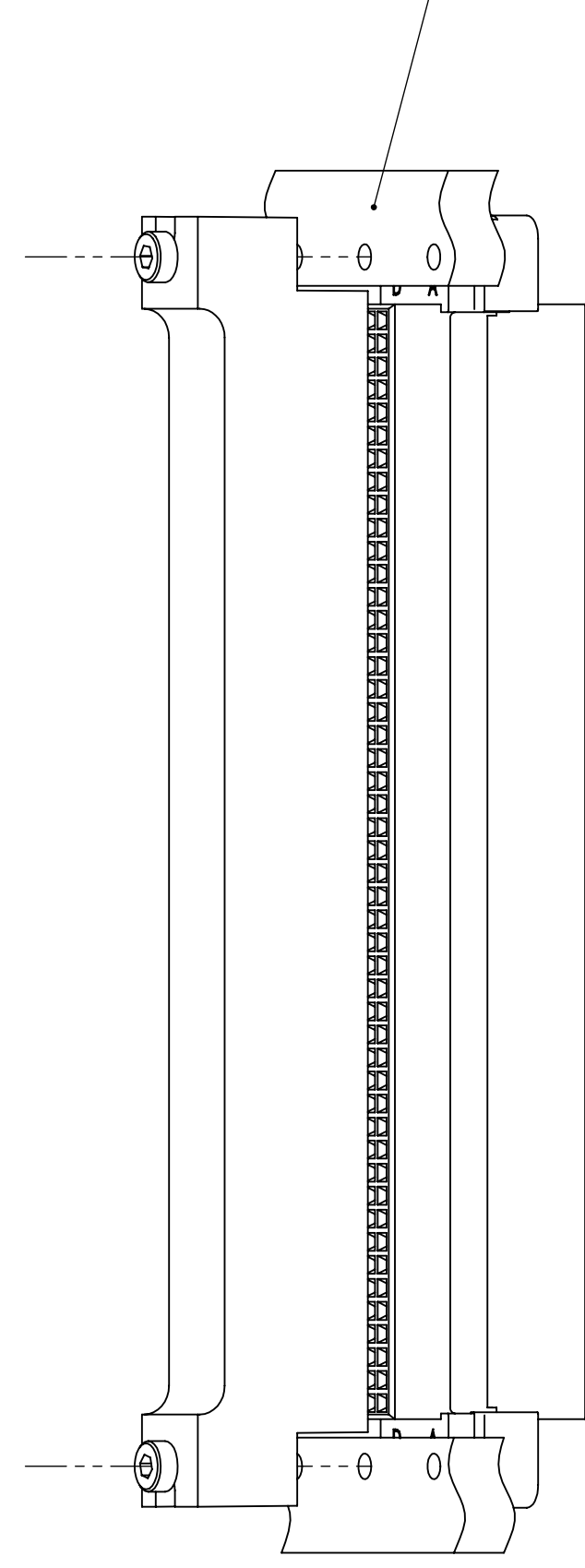
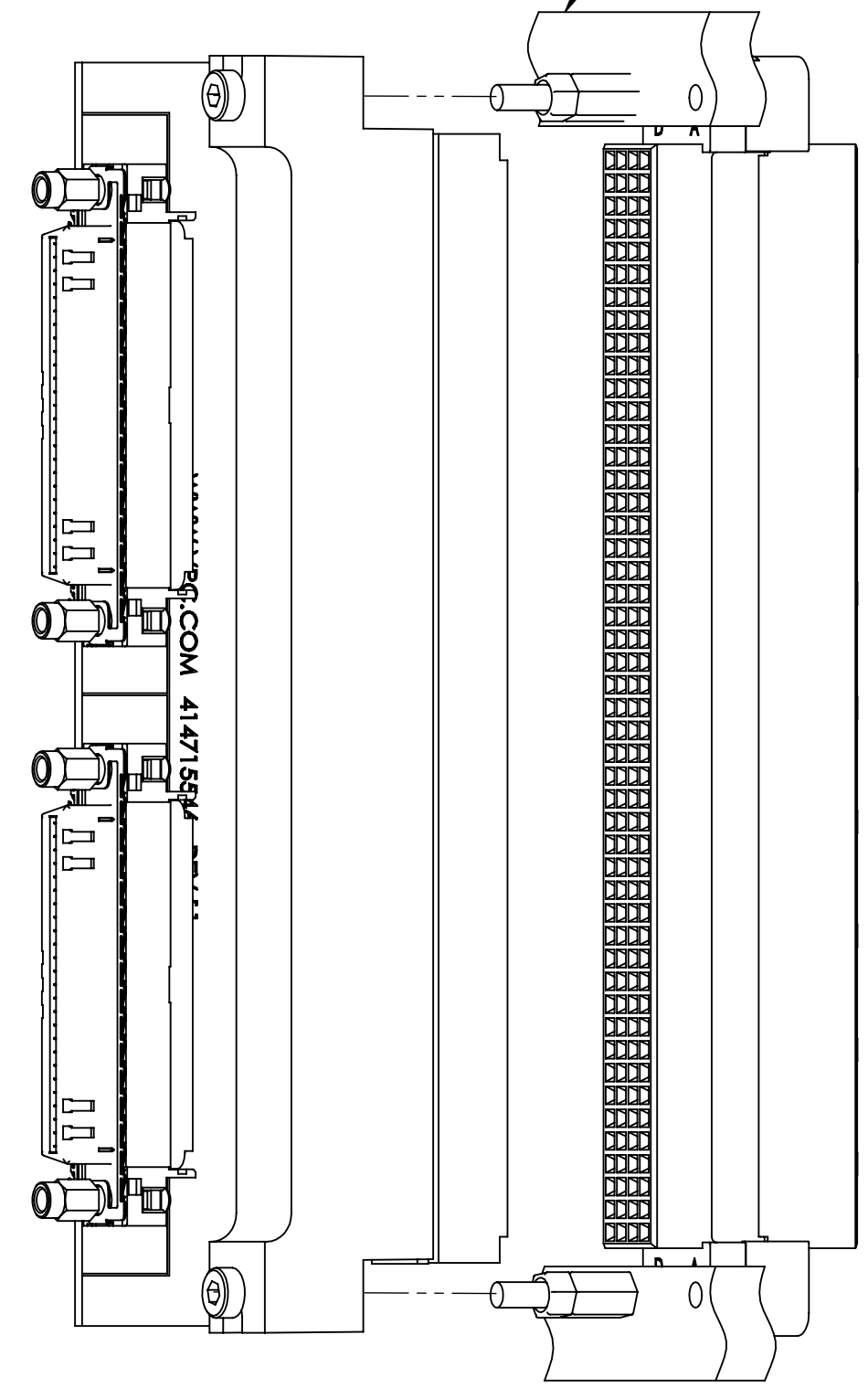


FIG. 3

VPC RECEIVER FRAME NOT SUPPLIED REF. TABLE 1



USERS MANUAL SKETCHES

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	(millimeters) INCHES		DR	D Ashby	5/15/12			
	REMOVE BURRS. BREAK SHARP EDGES		CHK			MOD RCV 192QP PCB 24 PR LVDS		
	MATERIAL		ENG					
	FINISH		PROD			SIZE	FSCM NO.	DWG. NO.
		ASSY			C	18117	510150210	L
		Q A			SCALE: NONE	5/15/12	510150210	SHEET 1 OF 1
		APPD						

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