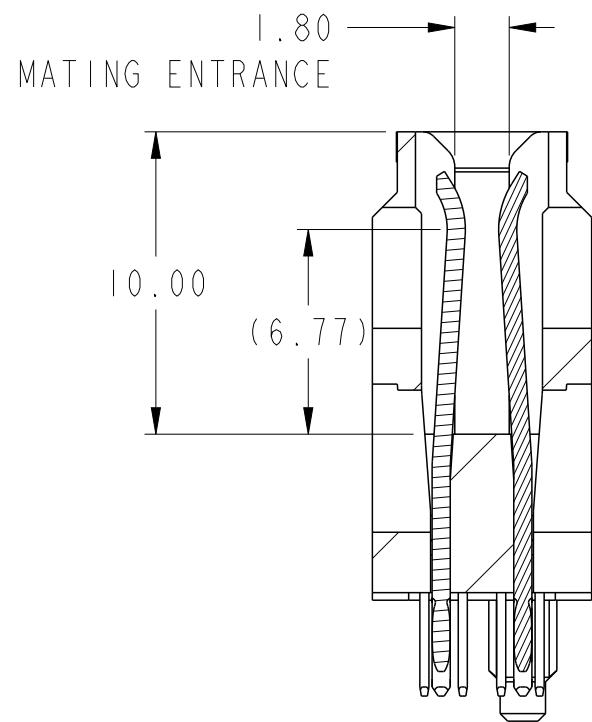
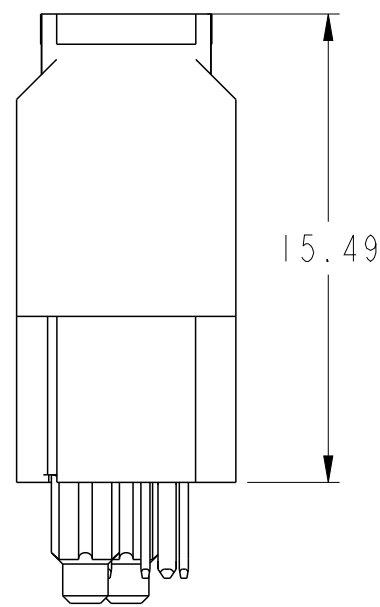
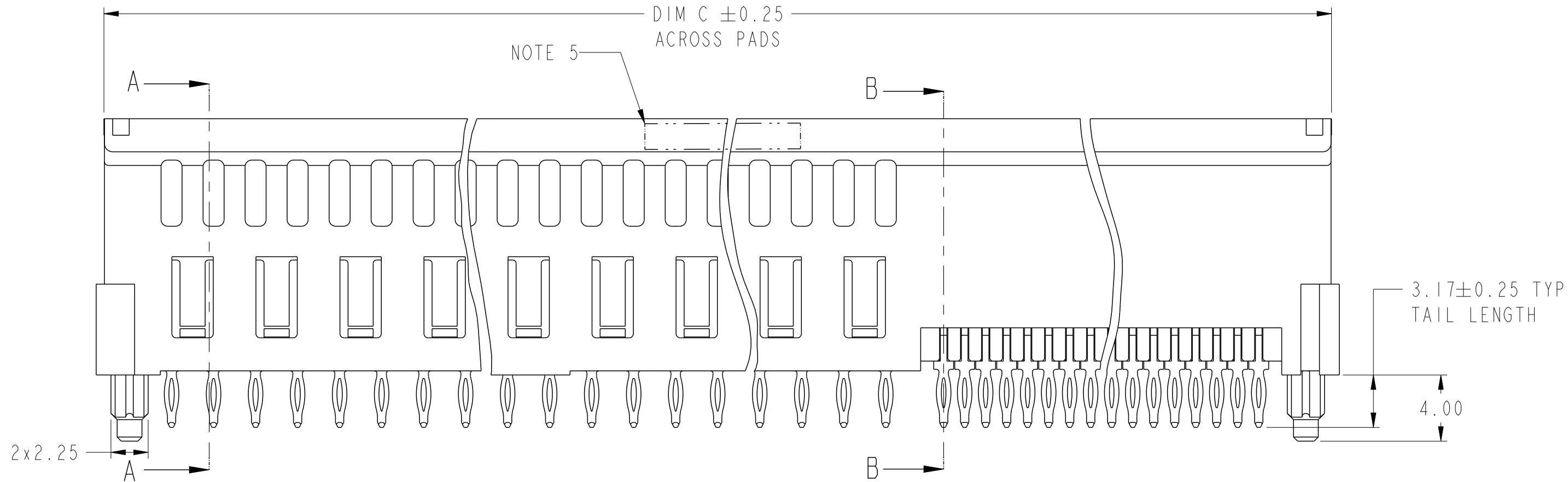
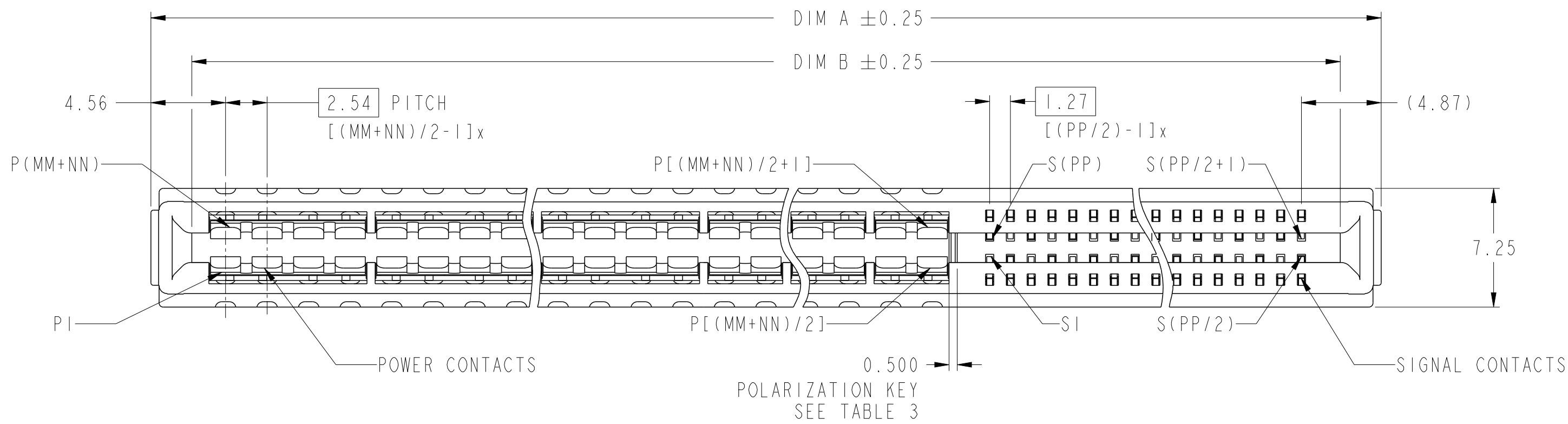
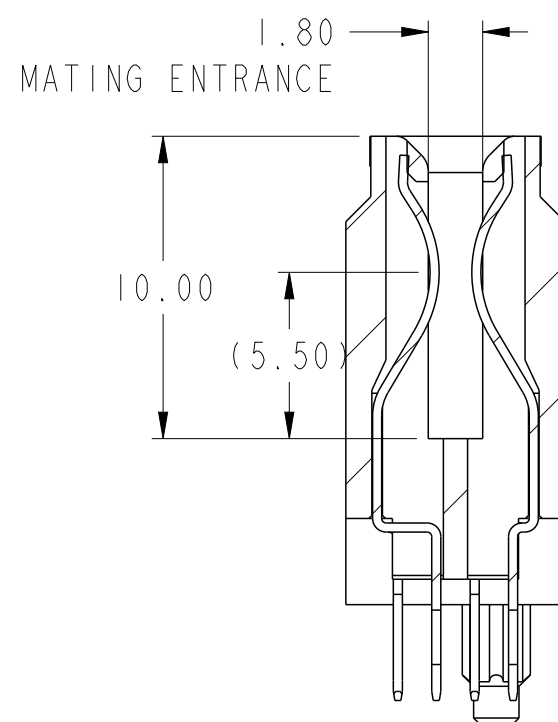


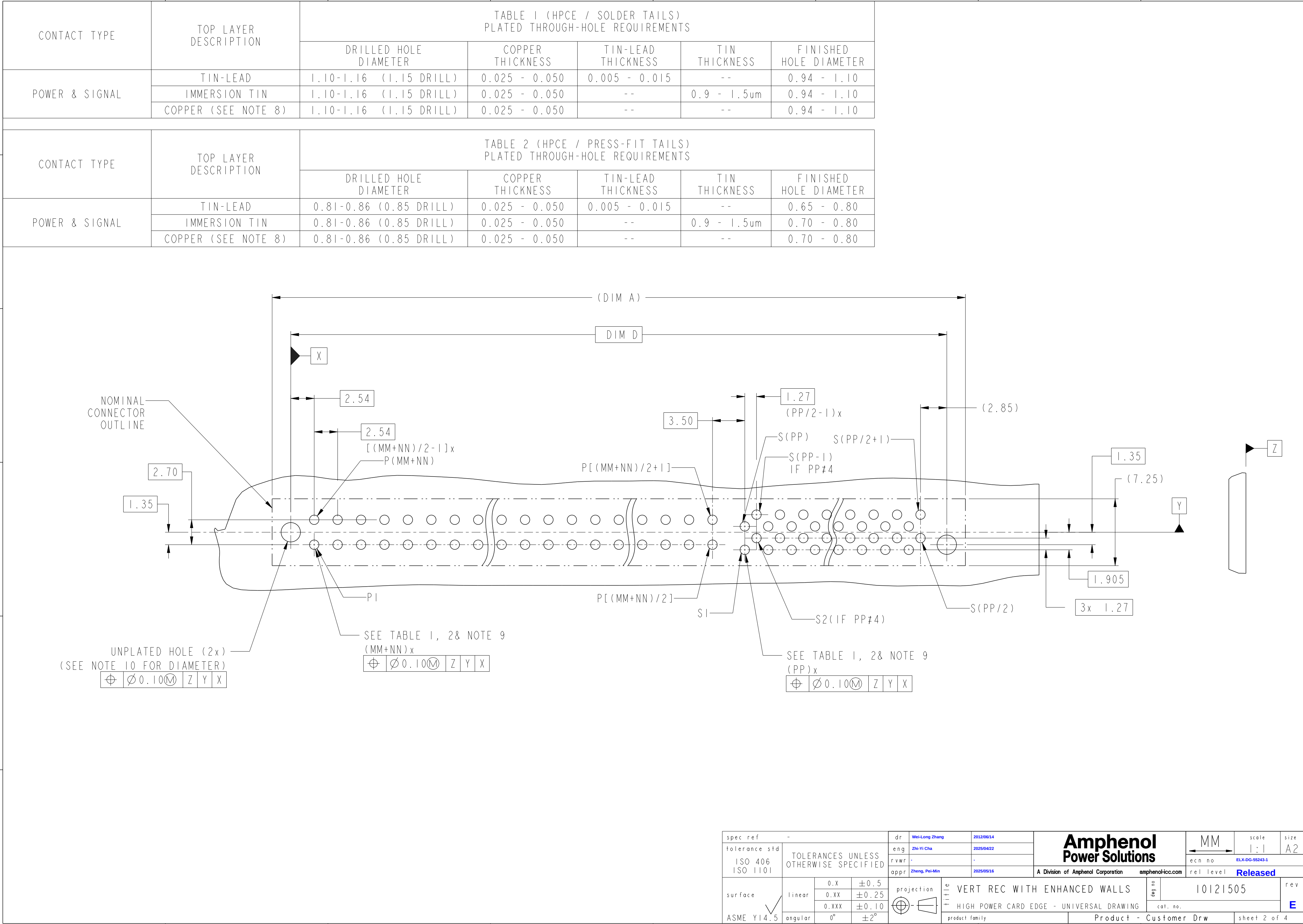


SECTION A-A
SCALE 4:1

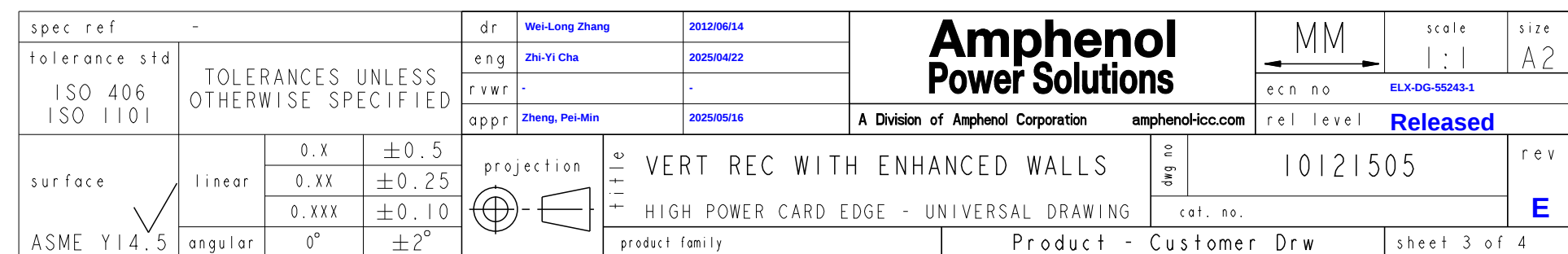


SECTION B-B
SCALE 4:1

spec ref		-		dr		Wei-Long Zhang		2012/06/14		Amphenol Power Solutions		MM		scale		size					
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Zhi-Yi Cha		2025/04/22				ech no		ELX-DG-55243-1		A2					
ISO 406				rvwr		-		-				rel level		Released							
ISO 1101				appr		Zheng, Pei-Min		2025/05/16				A Division of Amphenol Corporation		amphenol-icc.com							
surface		ASME Y14.5		linear		0.X		±0.5		projection		title		VERT REC WITH ENHANCED WALLS		diag no		10121505		rev	
				0.XX		±0.25		HIGH POWER CARD EDGE - UNIVERSAL DRAWING				cat. no.		E							
				0.XXX		±0.10		product family				Product - Customer Drw		sheet 1 of 4							
angular		0°		±2°																	



spec ref		-		dr		Wei-Long Zhang		2012/06/14		Amphenol Power Solutions				MM		scale		size			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Zhi-Yi Cha		2025/04/22						ec n no		ELX-DG-55243-1		1:1		A2	
ISO 406 ISO 1101				rv wr		-		-													
				appr		Zheng, Pei-Min		2025/05/16		A Division of Amphenol Corporation				amphenolhcc.com		rel level		Released			
surface		linear 0.X ±0.5 0.XX ±0.25 0.XXX ±0.10 angular 0° ±2°		projection		title				VERT REC WITH ENHANCED WALLS		diag no 10121505		cat. no.		rev		E			
HIGH POWER CARD EDGE - UNIVERSAL DRAWING																					
product family																					
ASME Y14.5						Product - Customer Drw				sheet 2 of 4											



10121505 - MM NN PP LF

LEAD FREE

Polarization
Key Option

Tail Type
Note 12

NON-HALOGEN FREE

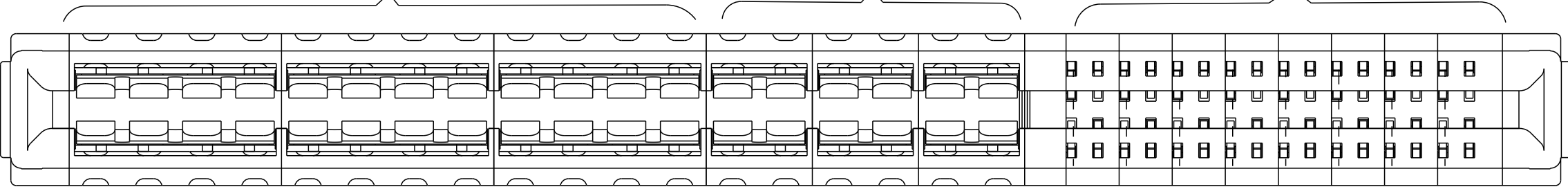
HALOGEN FREE

A	B	C	D	I	2	3	4
Y	Y	N	N	Y	Y	N	N
STB	PF	STB	PF	STB	PF	STB	PF

QUAD PWR BEAM QTY
(NEXT TO LEFT END)

DUAL PWR BEAM QTY
(NEXT TO SIGNAL)

SIGNAL CONTACT QTY



Example: The configuration above is 10121505-241232BLF
VERT Press fit 36P32S with polarization key. 24P is Quad beam contact, 12P is dual beam contact.

TABLE 3. PART NUMBER CODE. HPCE VERT P+S CONFIG

NOTES:

1. CONNECTOR MATERIALS:

HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK
UL 94V-0 COMPLIANT
CONTACTS: HIGH PERFORMANCE COPPER ALLOY.

2. CONTACT FINISH REF. GS-12-604 SECTION 5.2.

3. PRODUCT SPECIFICATION: GS-12-604.

4. APPLICATION SPECIFICATION: GS-20-128.

5. PRODUCT MARKING ON HOUSING IN AREA SHOWN MEETS AFCI SPECIFICATION: GS-24-007.

6. PACKAGING MEETS FCI SPECIFICATION GS-14-937.

7. HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.

8. COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.

9. ALL HOLE SIZES ARE FINISHED HOLE SIZES.

10. MOUNTING HOLES ARE UNPLATED
Ø 2.40 +/- 0.1 FOR PRESS-FIT TAILS
Ø 2.18 +/- 0.03 FOR SOLDER TAILS

11. PRESS FIT APPLICATION TOOL DRAWING : 10119453.

12. STB= Solder to board, 1.57-2.38mm PCB thickness.
PF = Press fit, 1.57mm minimum PCB thickness.

13. MAXIMUM OVERALL LENGTH IS 100mm.

14. DIM IS NOT APPLICABLE IF NO 4BEAM CONTACT OR 2 BEAM CONTACT.

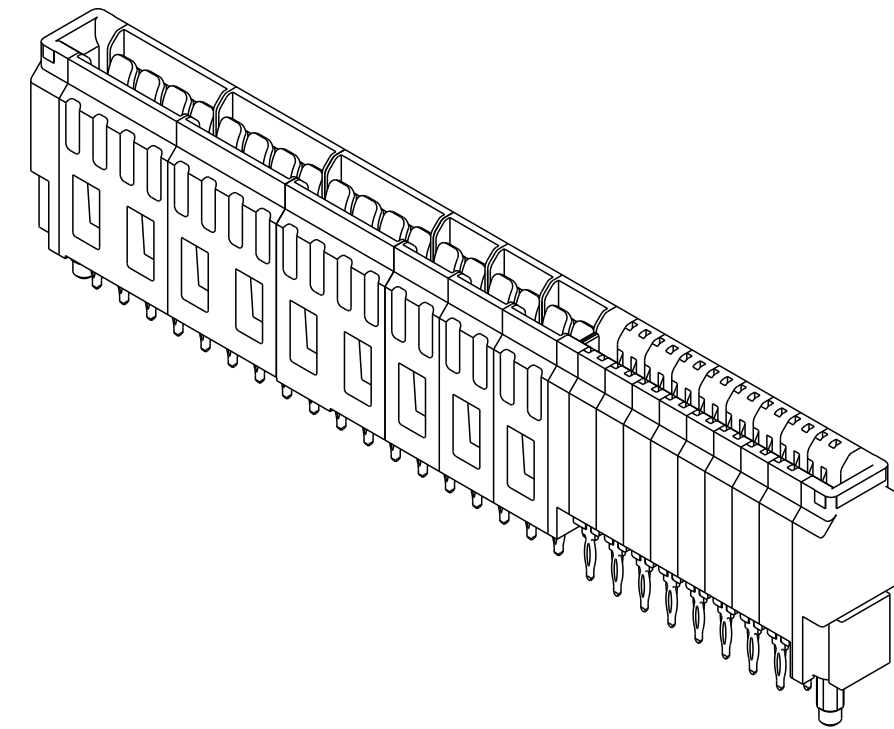


TABLE 2. LENGTH FORMULAS.

DIM A	13 (MM/8)X10.16+ (NN/4)X5.08 + (PP/2)X1.27 + 9.12
DIM B	DIM "A" - 5.00
DIM C	DIM "A" - 0.94
DIM D	DIM "A" - 4.04
DIM E	DIM "A" - 5.30
DIM F	(MM/8-1)x10.16 + (NN/4-1)x5.08 + 13.34 (WITH 4 BEAM CONTACT)
	(NN/4-1)x5.08+3.18 (WITHOUT 4 BEAM CONTACT)

spec ref		-		dr		Wei-Long Zhang		2012/06/14		Amphenol Power Solutions			MM		scale		size			
tolerance std		ISO 406 ISO 1101		eng		Zhi-Yi Cha		2025/04/22					ec n no		ELX-DG-55243-1		1:1		A2	
TOLERANCES UNLESS OTHERWISE SPECIFIED				rvwr		-		-					A Division of Amphenol Corporation amphenol-hcc.com							
				appr		Zheng, Pei-Min		2025/05/16											rel level	
surface		linear		0.X		±0.5				title		VERT REC WITH ENHANCED WALLS		diag no		10121505		rev		
		0.XX		±0.25																
ASME Y14.5		angular		0°		±2°														HIGH POWER CARD EDGE - UNIVERSAL DRAWING
product family						Product - Customer Drw						sheet 4 of 4								