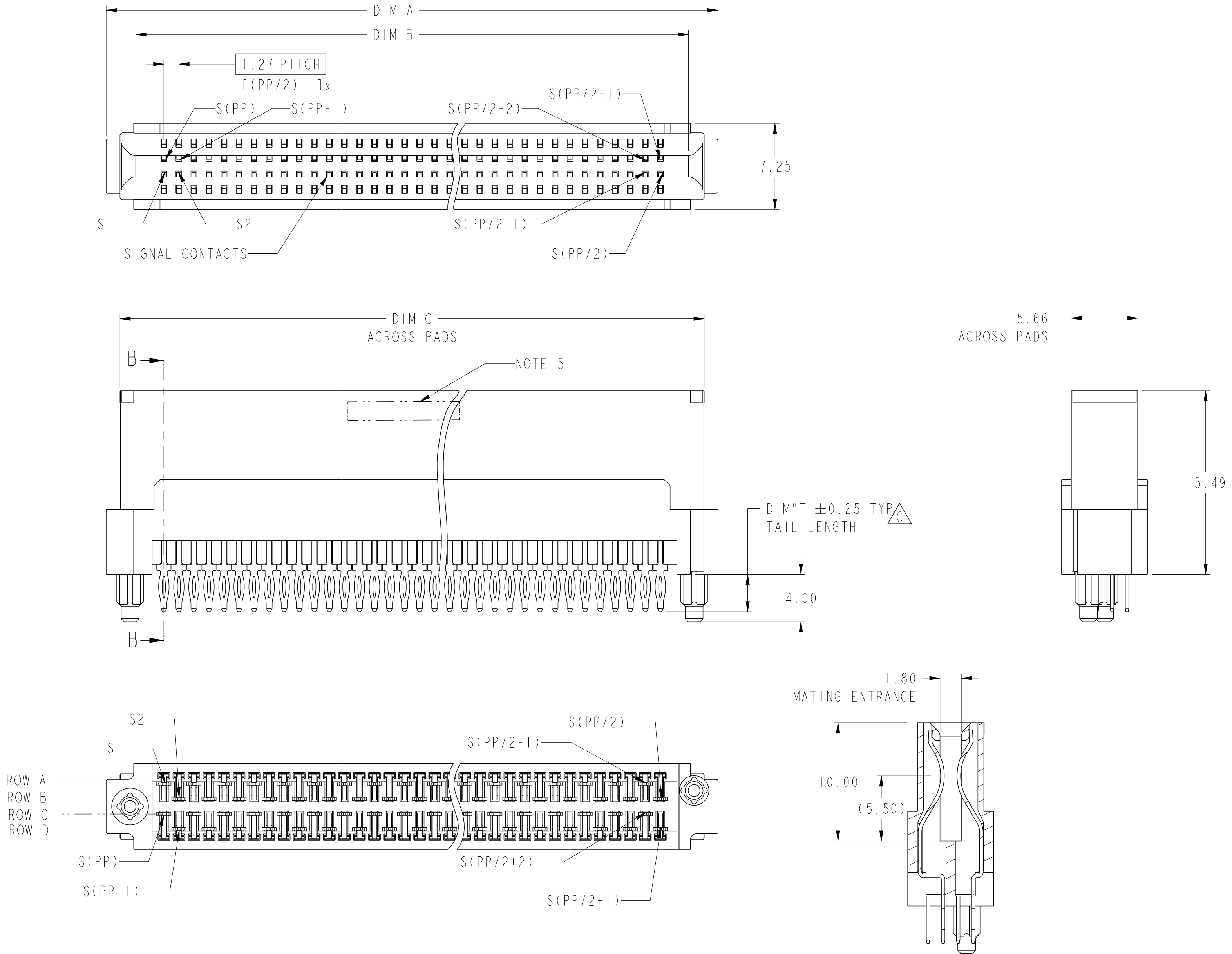
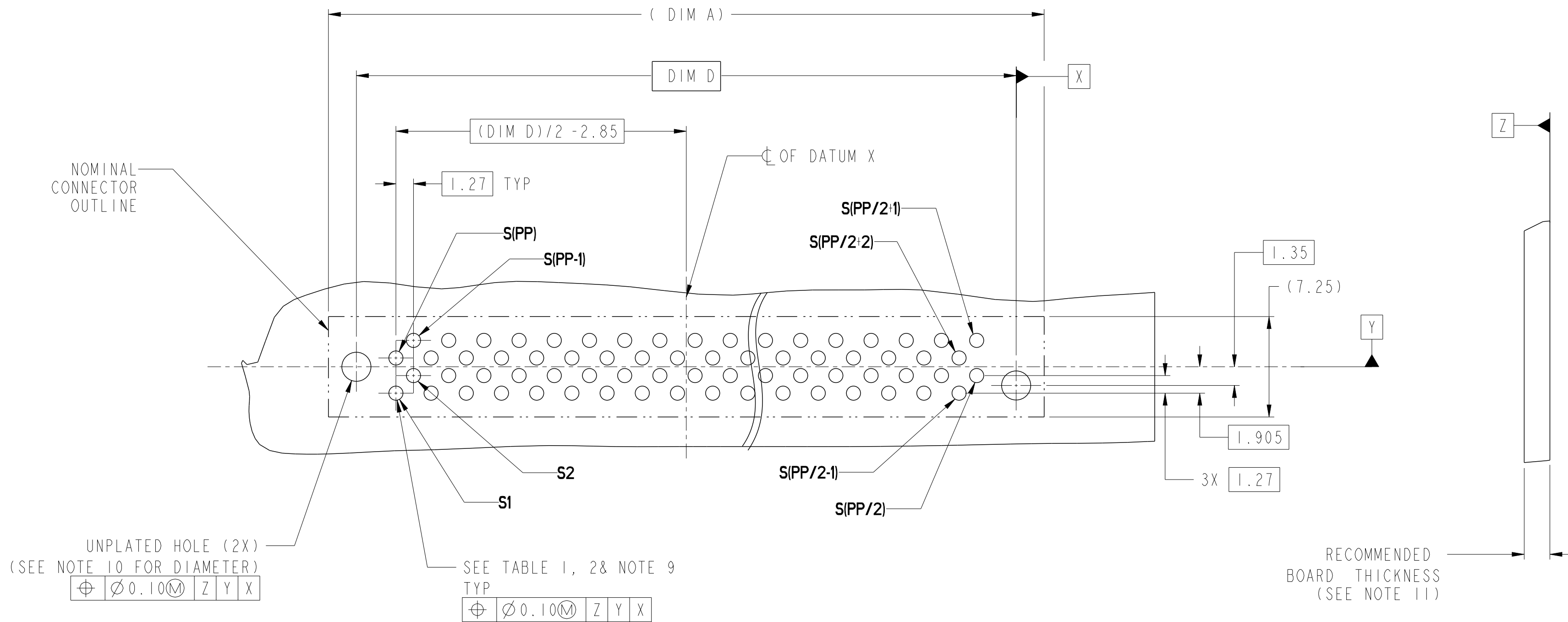




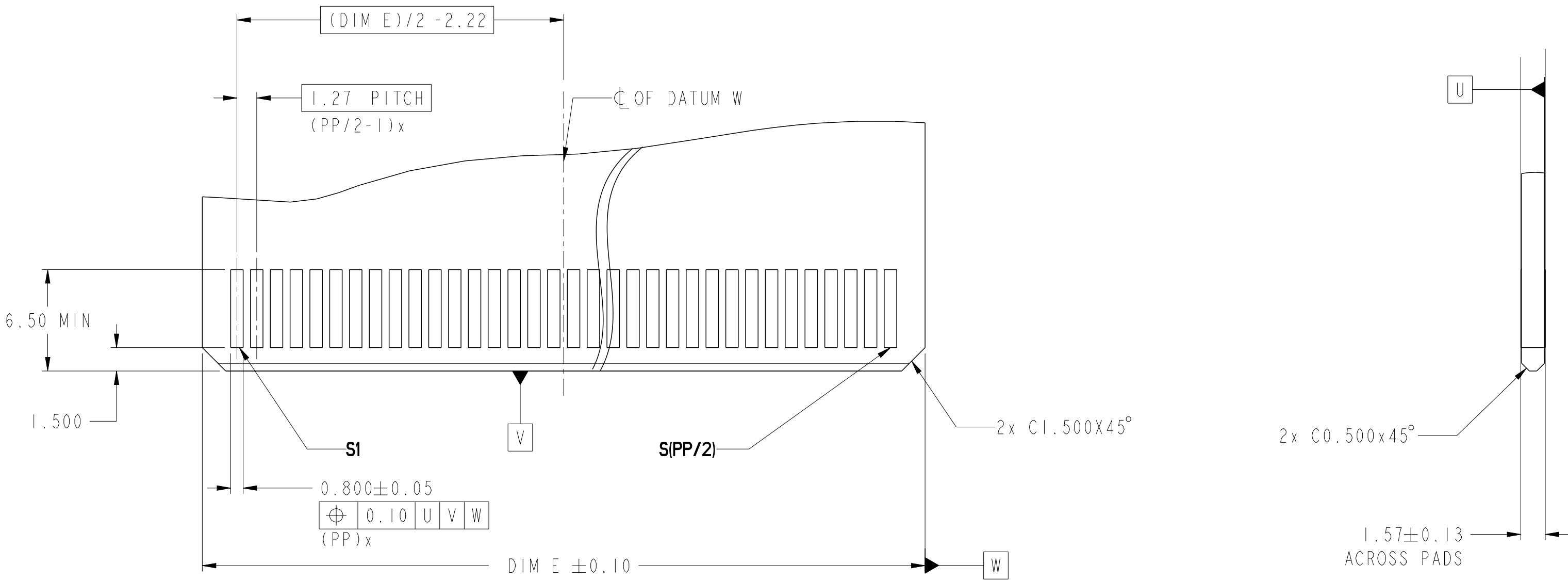
spec ref			-		dr		Eric Jiang		2013/02/04		Amphenol Power Solutions			MM		scale		size		
tolerance std			TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Ada Ye		2021/01/11				4:1		A2				
ISO 406 ISO 1101						r vwr		-		ec n no				ELX-DG-39360-1						
ISO 1101						appr		Zheng, Pei-Min		2021/01/11		A Division of Amphenol Corporation			amphenol-hcc.com		rel level		Released	
surface		linear		0.X		±0.50				title		VERT RECT (ALL SIGNAL PINS)		diag no		10123730		rev		
				0.XX		±0.25														
		0.XXX		±0.10		HIGH POWER CARD EDGE		product family		Product - Customer Drw		cat. no.		C						
		angular		0°												±2°		sheet 1 of 4		

CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.94 - 1.10
	IMMERSION TIN	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.94 - 1.10
	COPPER (SEE NOTE 8)	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	--	--	0.94 - 1.10

CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 2 (HPCE / PRESS-FIT TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.65 - 0.80
	IMMERSION TIN	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	0.9 - 1.5um	0.70 - 0.80
	COPPER (SEE NOTE 8)	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	0.70 - 0.80



spec ref		-		dr		Eric Jiang		2013/02/04		Amphenol Power Solutions			MM		scale		4:1		size		A2			
tolerance std		ISO 406 ISO 1101		eng		Ada Ye		2021/01/11					ec n no		ELX-DG-39360-1									
surface		linear		rv wr		-		-					rel level		Released									
				appr		Zheng, Pei-Min		2021/01/11																
										A Division of Amphenol Corporation		amphenol-hcc.com												



spec ref -			dr Eric Jiang		2013/02/04		Amphenol Power Solutions			MM		scale 4:1		size A2			
tolerance std			eng Ada Ye		2021/01/11					ec n no ELX-DG-39360-1							
ISO 406 ISO 1101			r vwr -		-					rel level Released							
			appr Zheng, Pei-Min		2021/01/11					A Division of Amphenol Corporation amphenol-hcc.com							
surface ISO 1302			TOLERANCES UNLESS OTHERWISE SPECIFIED			projection		title VERT RECT (ALL SIGNAL PINS)					cat. no. 10123730		rev C		
								HIGH POWER CARD EDGE									
								product family					Product - Customer Drw				
													sheet 3 of 4				

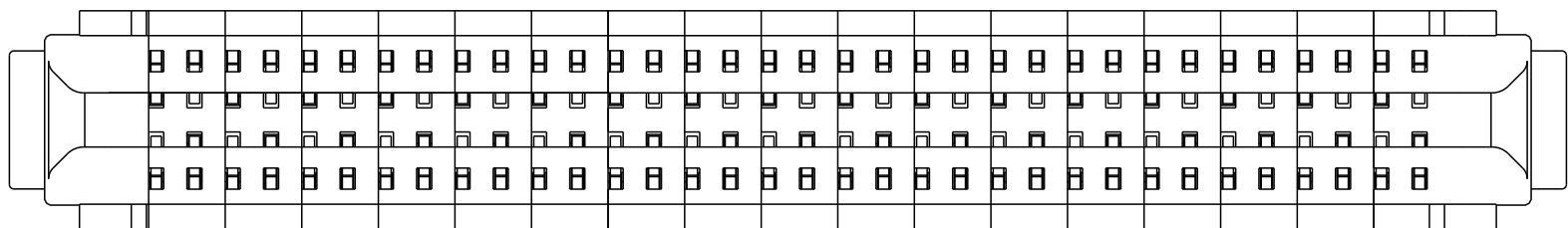
10123730-0000 PP

LF

SIGNAL CONTACT QTY

LEAD FREE

	A	B	C
TAIL TYPE NOTE 11	STB	PF	STB
TAIL LENGTH (DIM "T")	3.17	3.17	2.40



EXAMPLE: THE CONFIGURATION ABOVE IS 10123730-000068ALF
STB VERT REC 68S

TABLE 3: PART NUMBER CODE, HPCE STD VERT REC 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. STB=SOLDER TO BOARD, 1.57-2.38mm PCB THICKNESS.
PF=PRESS FIT, 1.57mm MINIMUM PCB THICKNESS.

12. A SYMBOL  WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN
MODIFIED WITH THE CURRENT DRAWING REVISION.

DIM

TABLE 2 LENGTH FORMULAS

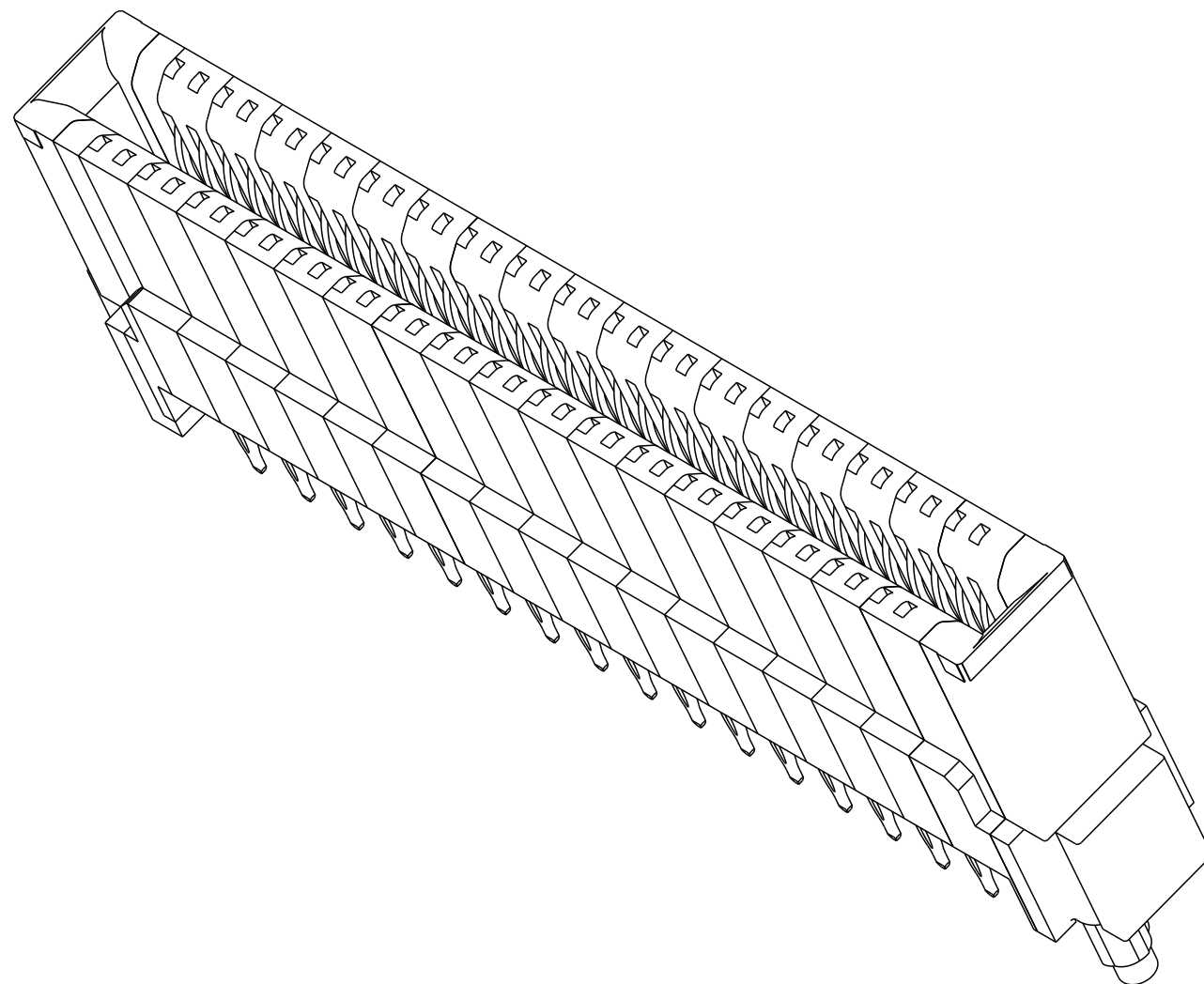
DIM A (PP/2)X1.27+8.47

DIM B DIM A -5.00

DIM C DIM A -2.34

DIM D DIM A -4.04

DIM E DIM A -5.30



spec ref -		dr Eric Jiang 2013/02/04		Amphenol Power Solutions		MM		scale 4:1	size A2				
tolerance std		eng Ada Ye 2021/01/11				ech no ELX-DG-39360-1							
ISO 406 ISO 1101		f r w r - appr Zheng, Pei-Min 2021/01/11				rel level Released							
TOLERANCES UNLESS OTHERWISE SPECIFIED				A Division of Amphenol Corporation amphenol-hcc.com									
surface ISO 1302		linear angular 0° ±2°		title VERT RECT (ALL SIGNAL PINS) HIGH POWER CARD EDGE		dig no 10123730		cat. no.		rev C			
product family				Product - Customer Drw				sheet 4 of 4					