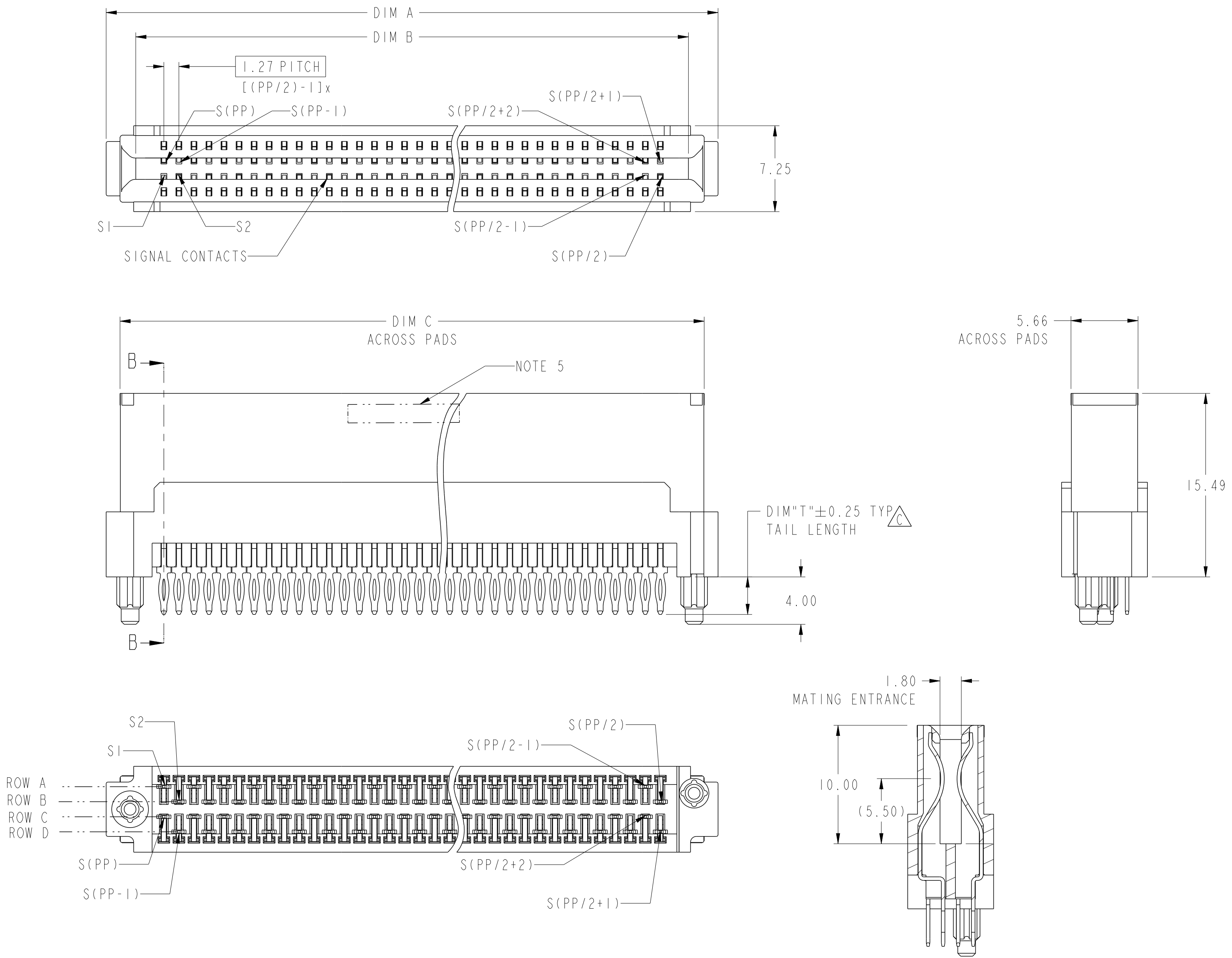
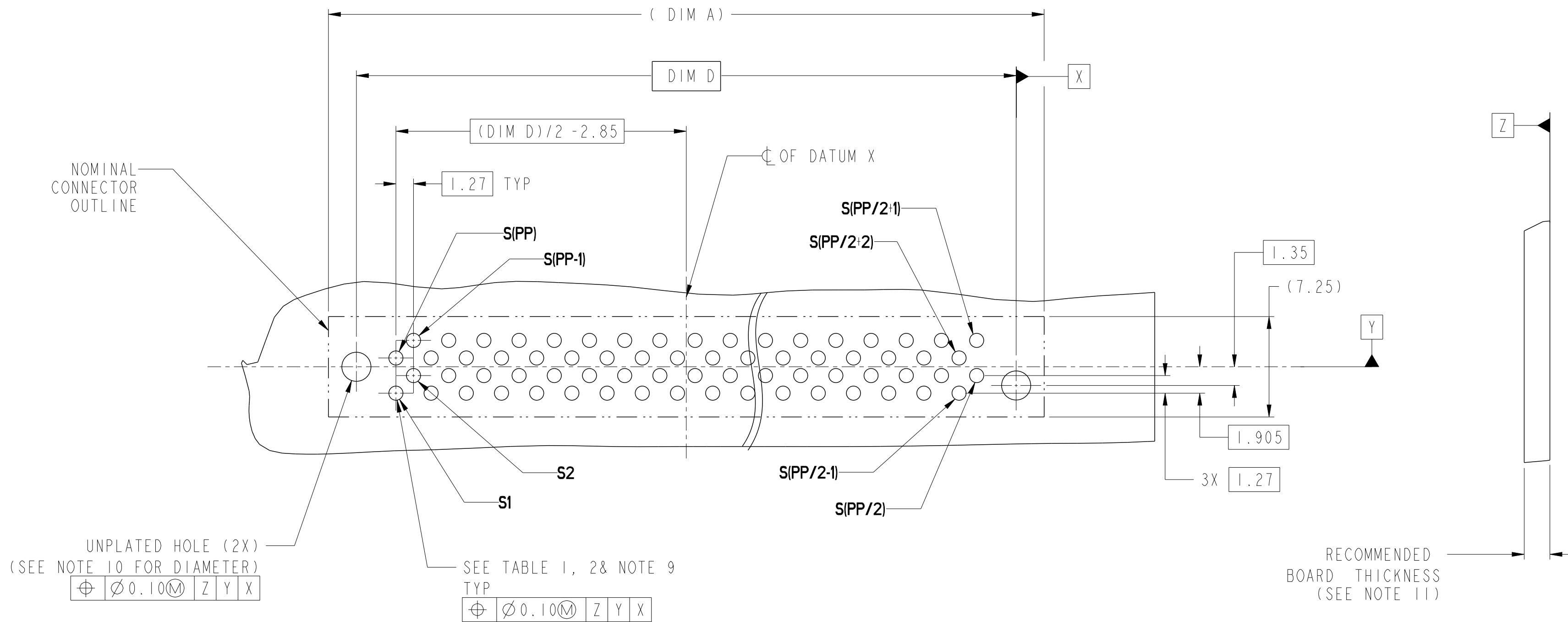




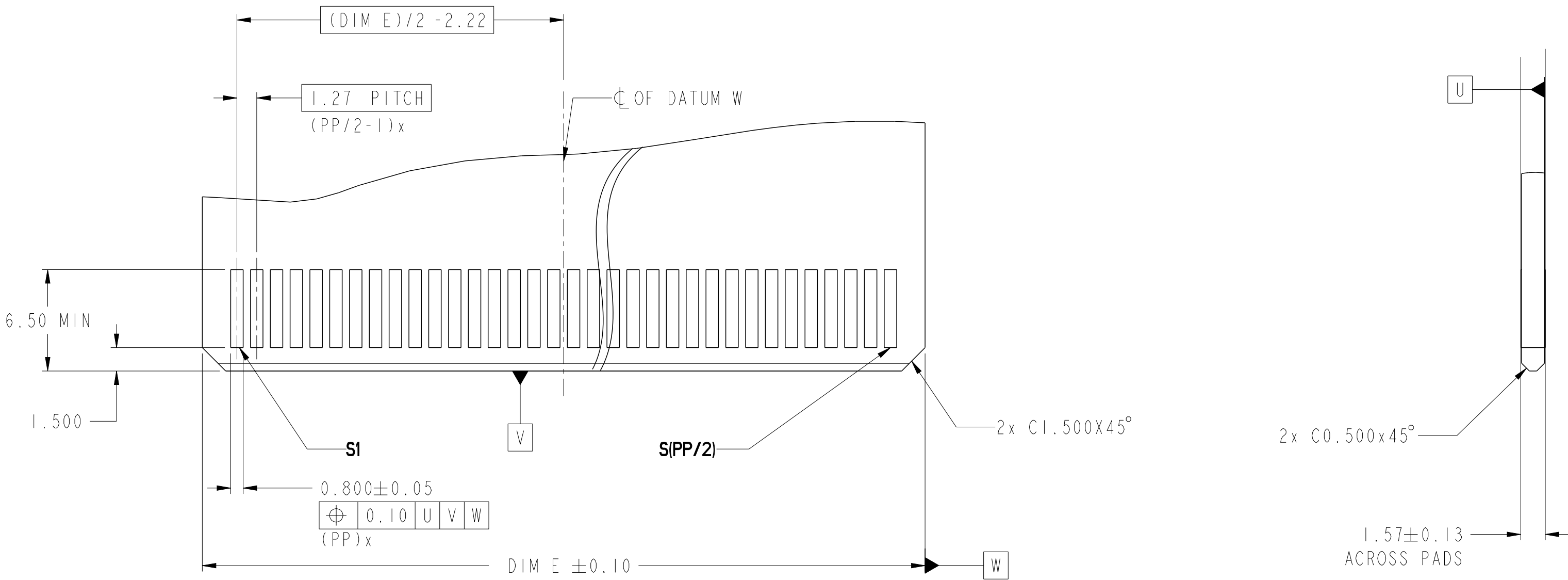
spec ref		-		dr		Eric Jiang		2013/02/04		Amphenol Power Solutions			MM		scale		size		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Ada Ye		2021/01/11					4:1		A2				
ISO 406 ISO 1101				r vwr		-		-					ec n no		ELX-DG-39360-1				
ISO 1101				appr		Zheng, Pei-Min		2021/01/11		A Division of Amphenol Corporation			amphenol-hcc.com		rel level		Released		
surface		linear		0.X		±0.50		projection 		title		VERT RECT (ALL SIGNAL PINS)		cat. no.		10123730		rev	
				0.XX		±0.25													
				0.XXX		±0.10													
		ISO 1302		angular		0°		±2°		product family		Product - Customer Drw			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			
TOLERANCES UNLESS OTHERWISE SPECIFIED		r vwr	-	-			rel level	Released			
		appr	Zheng, Pei-Min	2021/01/11			cat. no.	10123730			
surface	ISO 1302	linear	0.X	±0.50	projection	VERT RECT (ALL SIGNAL PINS)	diag no				
			0.XX	±0.25		HIGH POWER CARD EDGE					
			0.XXX	±0.10							
		angular	0°	±2°							
		product family	Product - Customer Drw		sheet 2 of 4						



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									
								linear		0.X ±0.50		0.XX ±0.25		0.XXX ±0.10		angular	

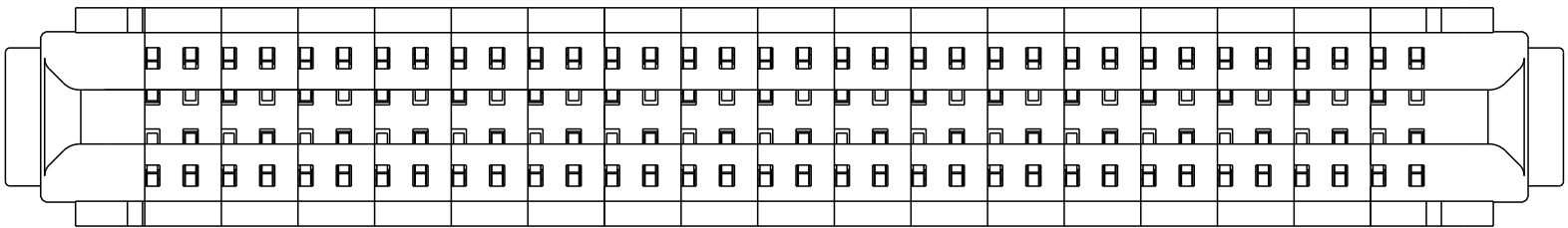
10123730-0000 PP

SIGNAL CONTACT QTY

LF

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

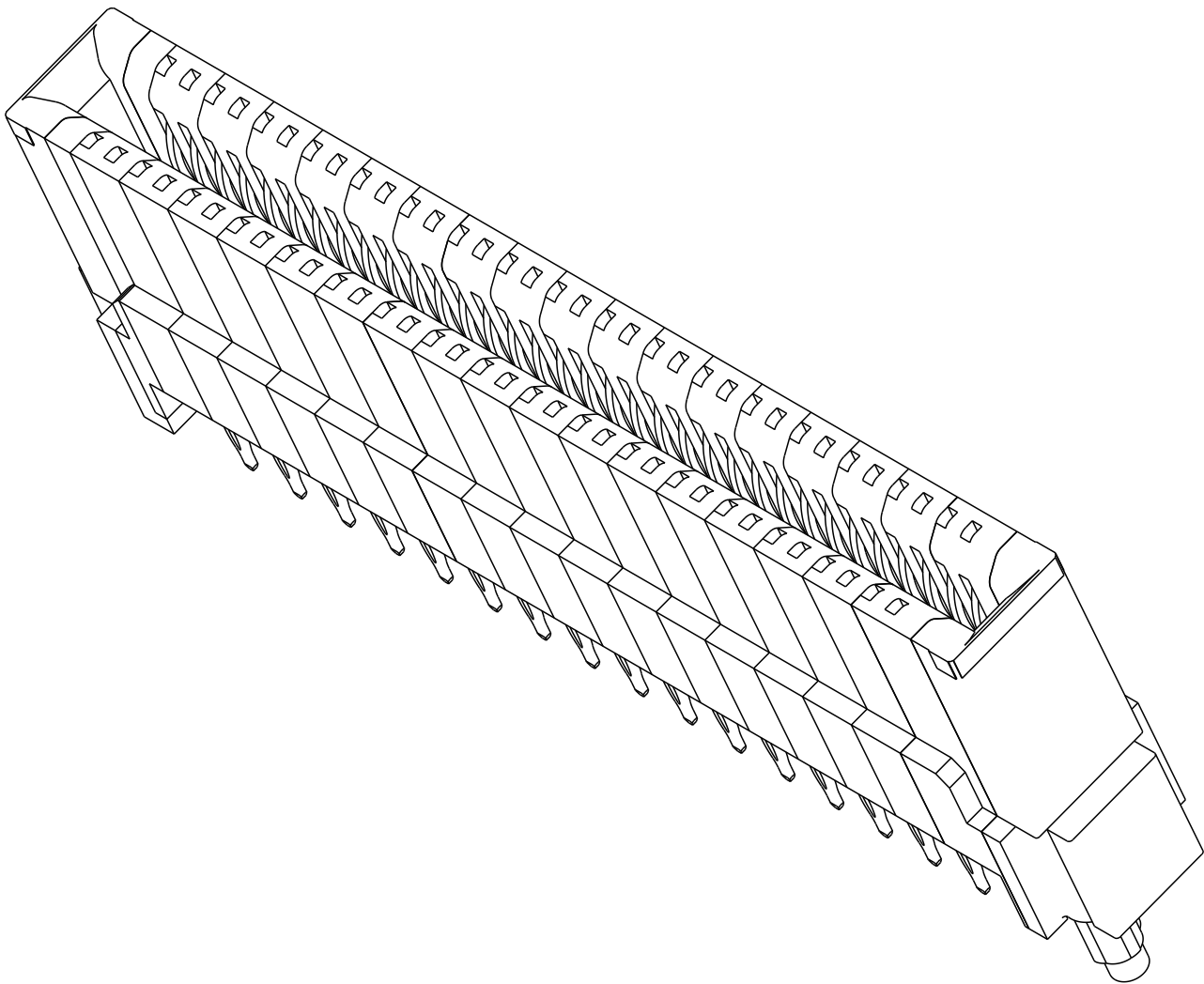
DIM A (PP/2)X1.27+8.47

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		TOLERANCES UNLESS OTHERWISE SPECIFIED		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		linear		0.X		±0.50		projection 		title VERT RECT (ALL SIGNAL PINS)		dig no 10123730		rev C	
				0.XX		±0.25									
				0.XXX		±0.10									
		ISO 1302		angular		0°		±2°		product family		Product - Customer Drw		sheet 4 of 4	