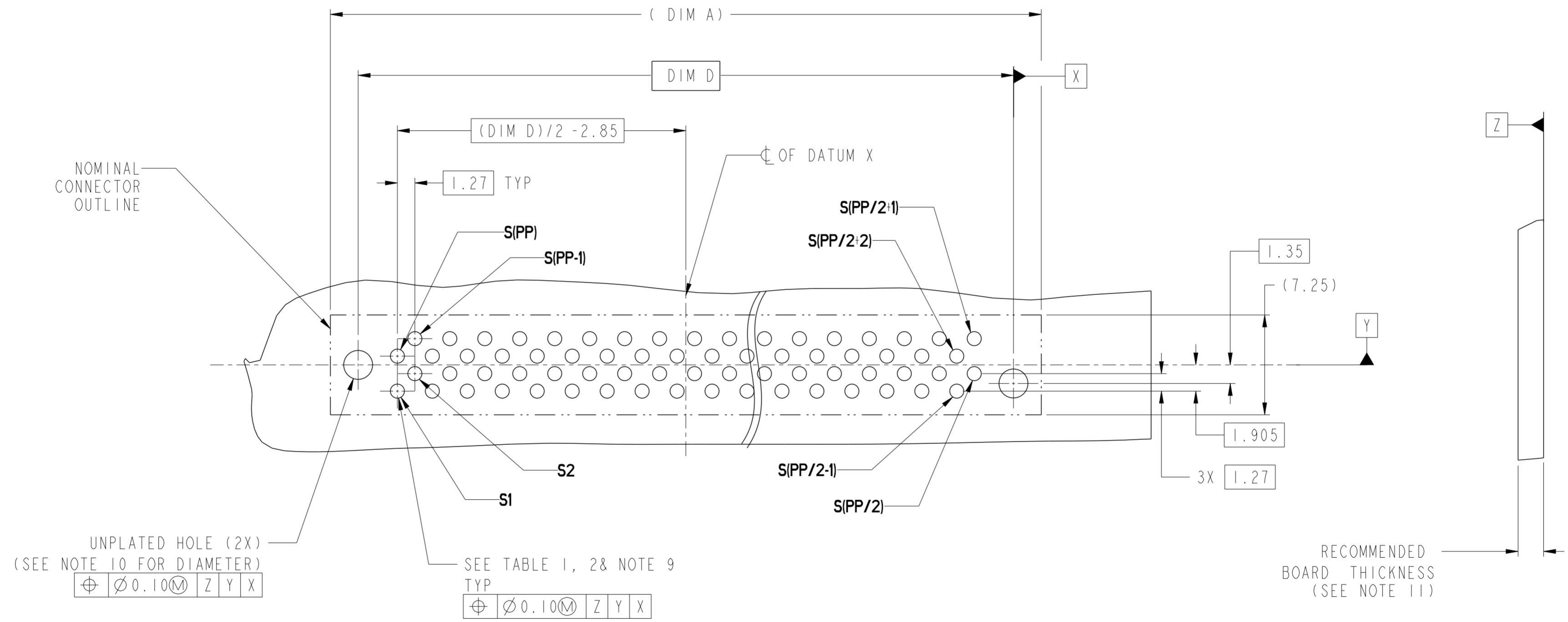


SECTION B-B
SCALE 4:1

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



UNPLATED HOLE (2X)
(SEE NOTE 10 FOR DIAMETER)

⊕ ∅0.10 (M) Z Y X

SEE TABLE 1, 2 & NOTE 9 TYP

⊕ ∅0.10 (M) Z Y X

spec ref	-	dr	Eric Jiang	2013/02/04	Amphenol Power Solutions A Division of Amphenol Corporation amphenol-hcc.com	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	rel level	Released	rev	C
surface	linear	0.X	±0.50	projection		title	VERT RECT (ALL SIGNAL PINS) HIGH POWER CARD EDGE	dig no	10123730	cat. no.	Product - Customer Drw
	angular	0°	±2°	app r	Zheng, Pei-Min	2021/01/11	product family	Product - Customer Drw	sheet 2 of 4		

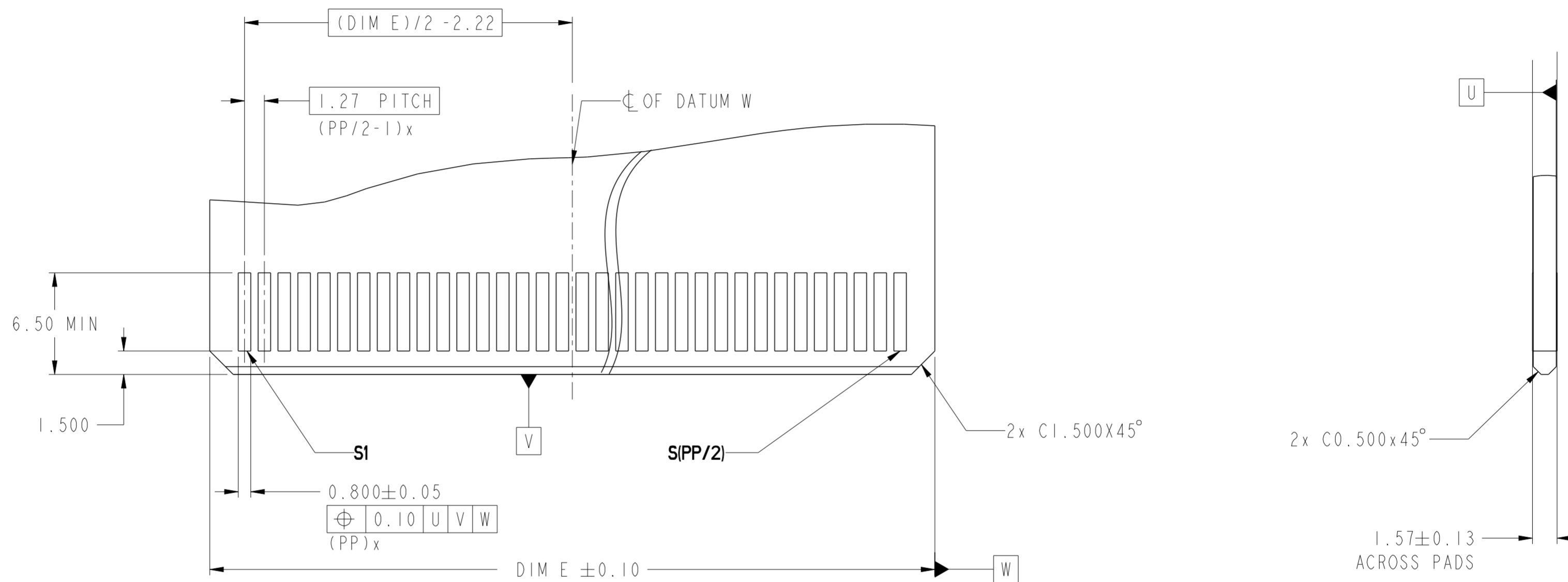
PDS: Rev :C

STATUS:Released

Printed: Jan 11, 2021

Amphenol Power Solutions

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spec ref	-			dr	Eric Jiang	2013/02/04	Amphenol Power Solutions A Division of Amphenol Corporation amphenol-hcc.com	MM	scale	size
tolerance std	ISO 406 ISO 1101			eng	Ada Ye	2021/01/11		4:1	A2	
TOLERANCES UNLESS OTHERWISE SPECIFIED				r w r	-	-		ec n no	ELX-DG-39360-1	
				appr	Zheng, Pei-Min	2021/01/11	rel level	Released		
surface	linear	0.X	±0.50	projection			dig no	10123730	rev	C
		0.XX	±0.25	TITLE VERT RECT (ALL SIGNAL PINS) HIGH POWER CARD EDGE			cat. no.			
	angular	0°	±2°	product family			Product - Customer Drw		sheet 3 of 4	

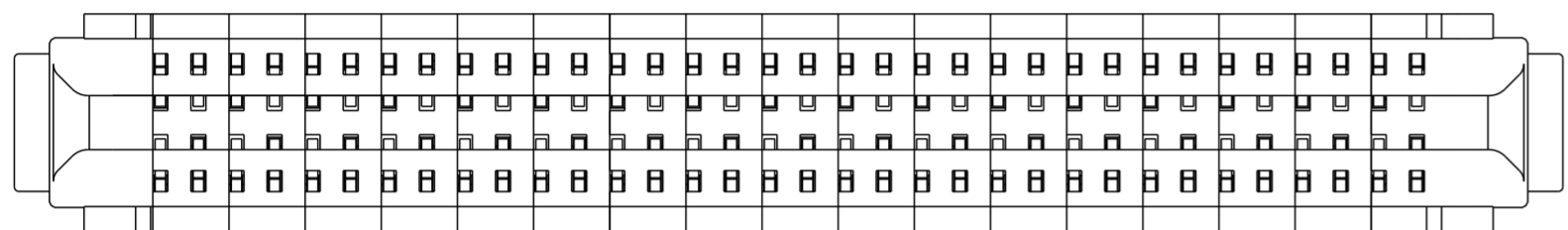
10123730-0000 PP

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



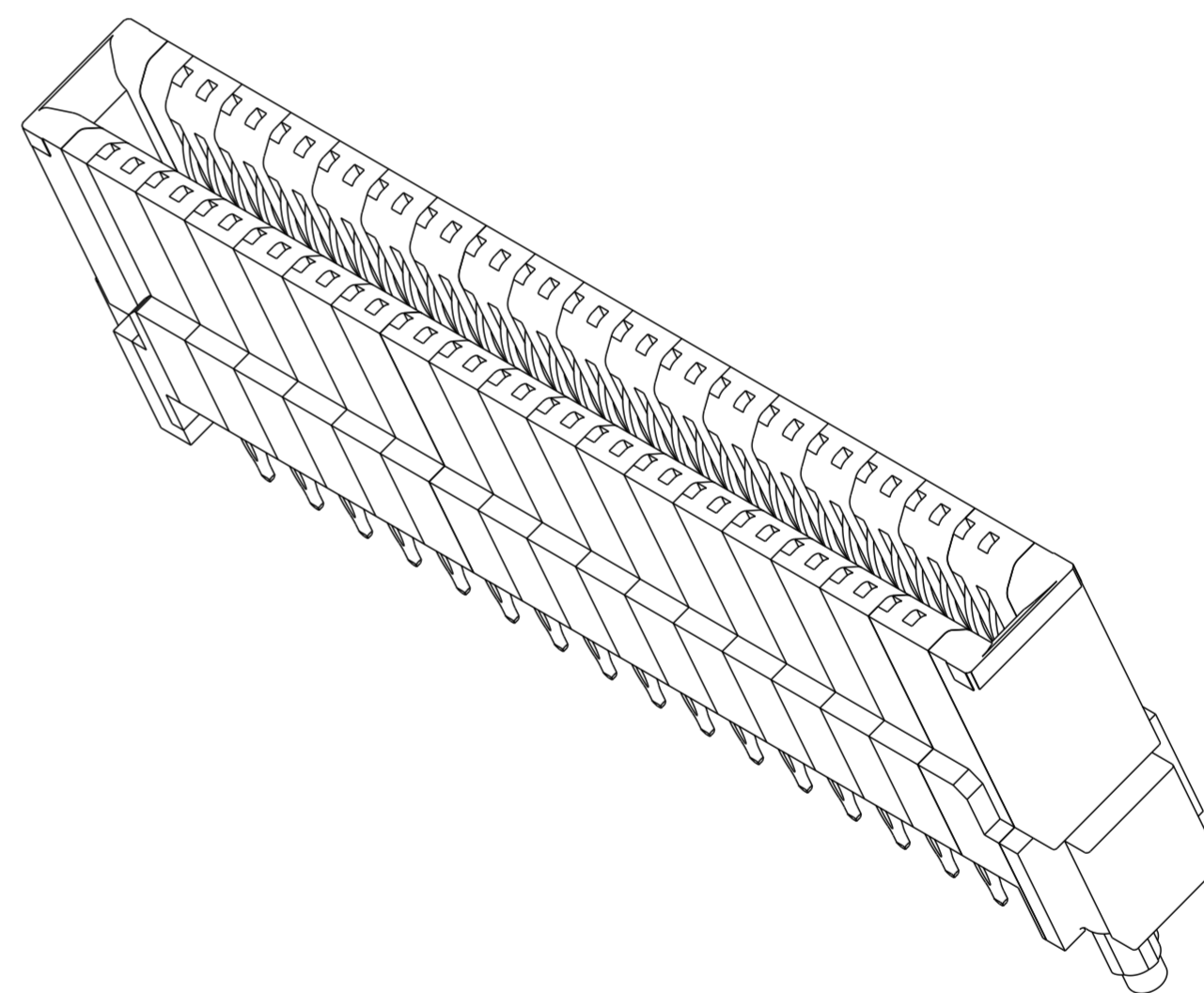
EXAMPLE: THE CONFIGURATION ABOVE IS 10123730-000068ALF
STB VERT REC 68S

TABLE 3: PART NUMBER CODE, HPCE STD VERT REC S CONFIG

DIM	TABLE 2 LENGTH FORMULAS
DIM A	$(PP/2) \times 1.27 + 8.47$
DIM B	DIM A - 5.00
DIM C	DIM A - 2.34
DIM D	DIM A - 4.04
DIM E	DIM A - 5.30

NOTES:

- CONNECTOR MATERIALS:
HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK
UL 94V-0 COMPLIANT
CONTACTS: HIGH PERFORMANCE COPPER ALLOY.
- CONTACT FINISH REF. GS-12-604 SECTION 5.2.
- PRODUCT SPECIFICATION: GS-12-604.
- APPLICATION SPECIFICATION: GS-20-128.
- PRODUCT MARKING ON HOUSING IN AREA SHOWN MEETS AFCI SPECIFICATION: GS-24-007.
- PACKAGING MEETS FCI SPECIFICATION GS-14-937.
- HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
- COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.
- ALL HOLE SIZES ARE FINISHED HOLE SIZES.
- MOUNTING HOLES ARE UNPLATED
 \varnothing 2.40 +/- 0.1 FOR PRESS-FIT TAILS
 \varnothing 2.18 +/- 0.03 FOR SOLDER TAILS
- STB=SOLDER TO BOARD, 1.57-2.38mm PCB THICKNESS.
PF=PRESS FIT, 1.57mm MINIMUM PCB THICKNESS.
- A SYMBOL \triangle WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.



spec ref	-	dr	Eric Jiang	2013/02/04	Amphenol Power Solutions A Division of Amphenol Corporation amphenol-hcc.com	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	rel level	Released	rev	C
surface	linear	projection	Zheng, Pei-Min	2021/01/11		dig no	10123730	cat. no.			
	angular				product family	VERT RECT (ALL SIGNAL PINS) HIGH POWER CARD EDGE	Product - Customer Drw	sheet 4 of 4			