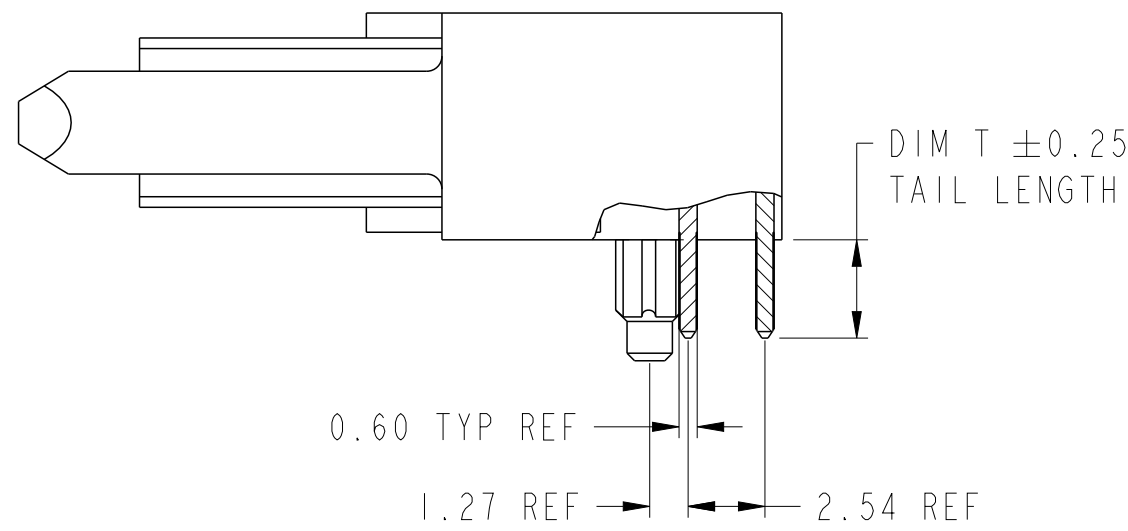
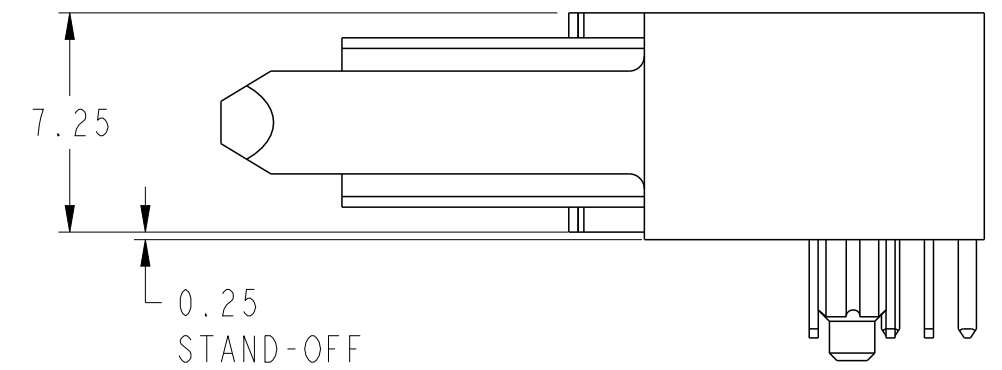
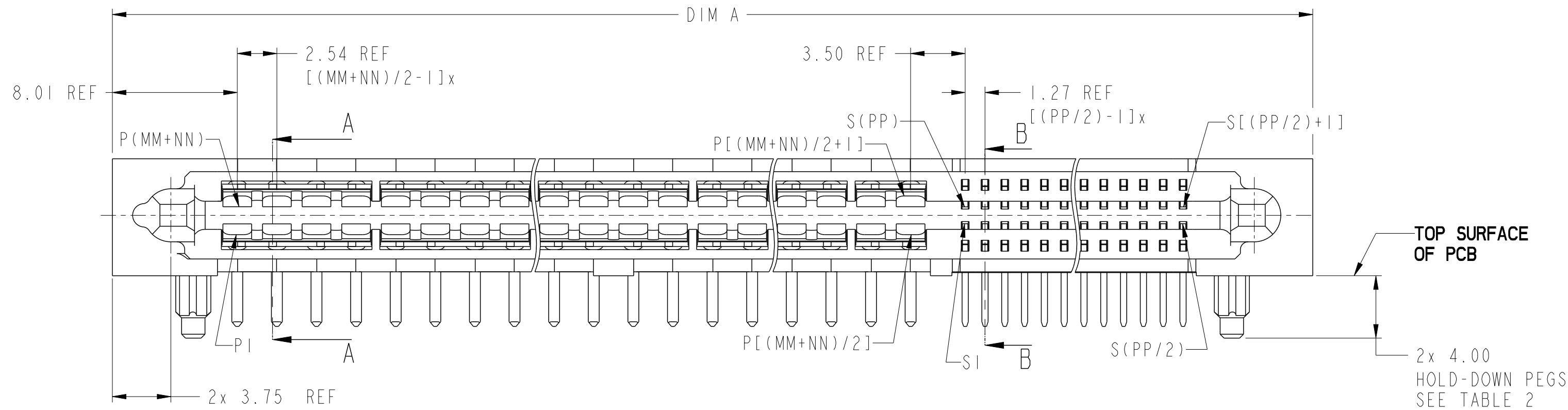
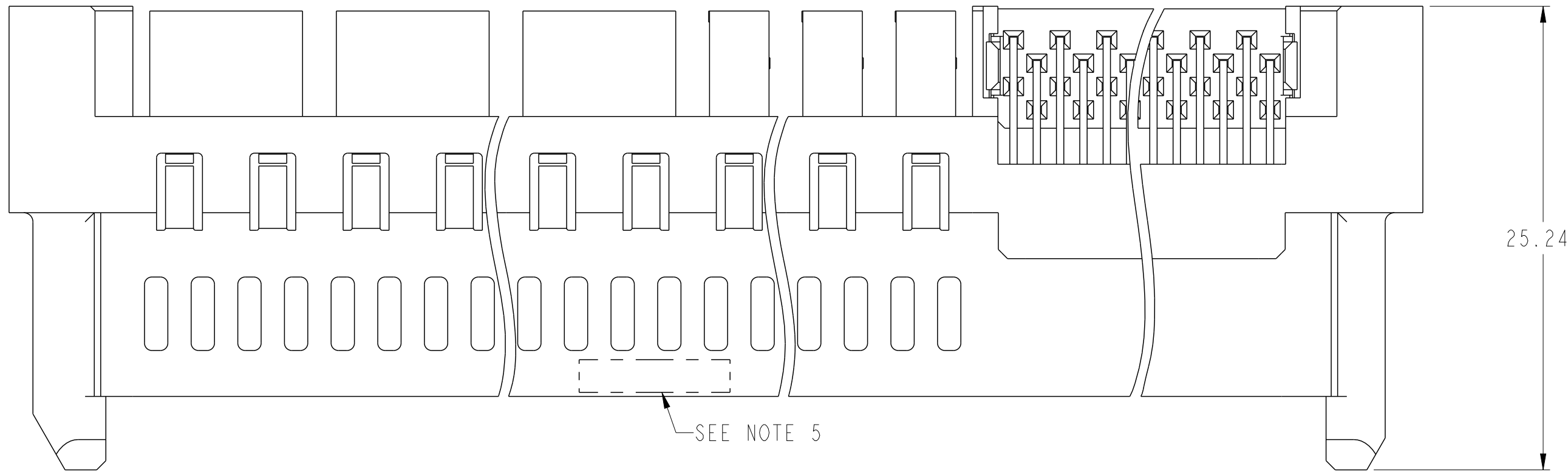
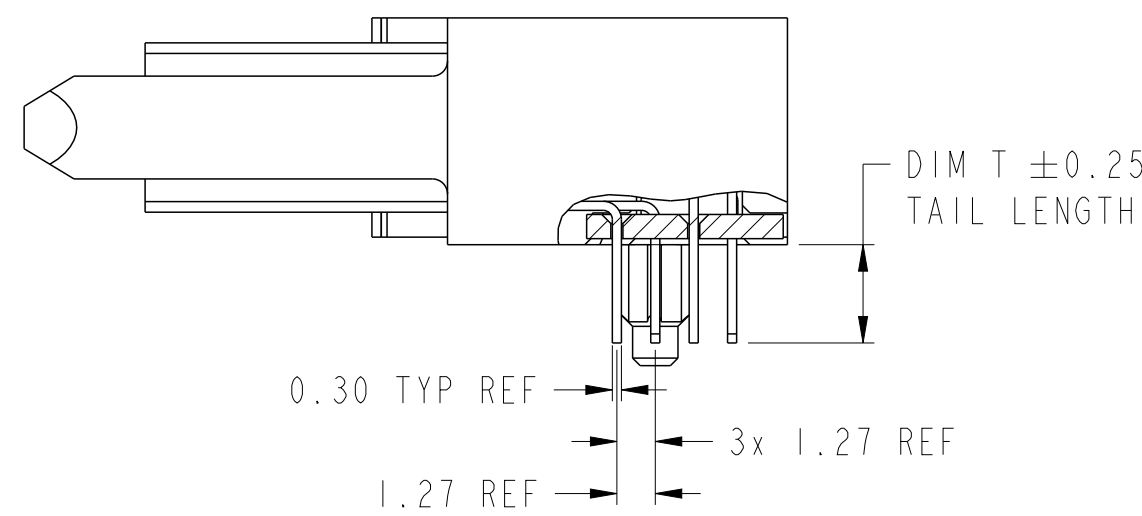




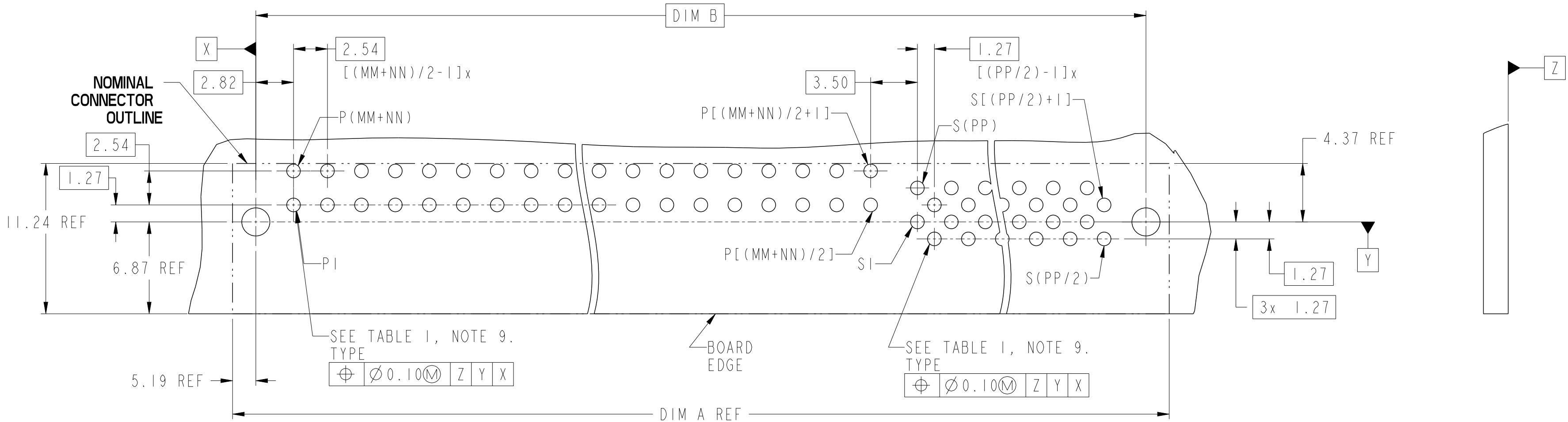
SECTION A-A
SCALE 4:1



SECTION B-B
SCALE 4:1

spec ref		-		dr		Julia Wang		2014/03/26		Amphenol Power Solutions A Division of Amphenol Corporation amphenol-icc.com			MM		scale		size			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peter Hu		2022/03/15					ec n no		ELX-DG-44139-1		4:1		A2	
ISO 406				r vwr		-		-					rel level		Released					
ISO 1101				appr		Zheng, Pei-Min		2022/03/21												
surface		linear		0.X		±0.5		projection		title		HPCE BTB R/A RECPT		diag no		10125112		rev		
		0.XX		±0.25																
		0.XXX		±0.10																
ISO 1302		angular		0°		±2°		product family		Product - Customer Drw		sheet 1 of 3		cat. no.		C				

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



RECOMMENDED PCB LAYOUT

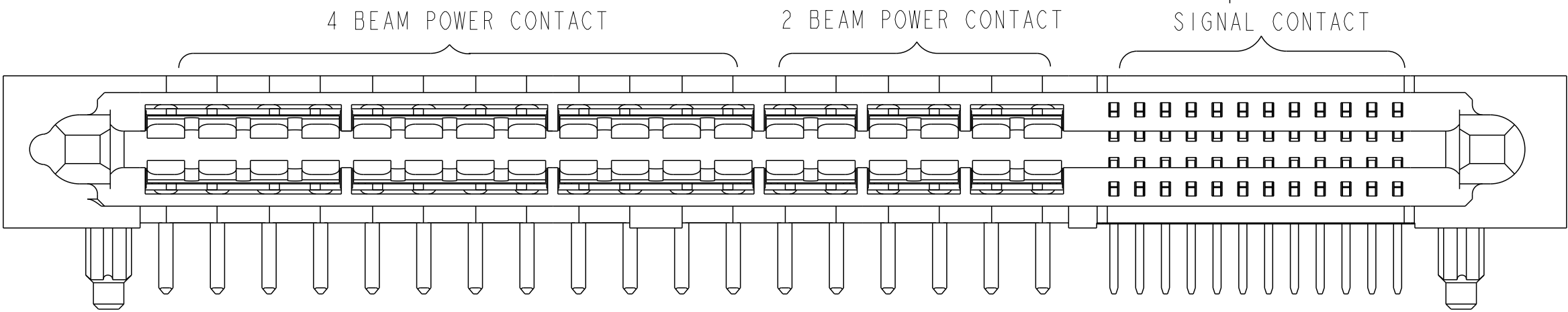
spec ref		-		dr		Julia Wang		2014/03/26		Amphenol Power Solutions			MM		scale		size			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peter Hu		2022/03/15					ec n no		ELX-DG-44139-1		4:1		A2	
ISO 406 ISO 1101				r vwr		-		-					-		rel level		Released			
				appr		Zheng, Pei-Min		2022/03/21		A Division of Amphenol Corporation			amphenol-hcc.com							
surface		linear		0.X ±0.5 0.XX ±0.25 0.XXX ±0.10				title		HPCE BTB R/A RECPT CONFIG. P+S - UNIVERSAL DRAWING		diag no		10125112		rev		C		
ISO 1302		angular		0° ±2°						product family		Product - Customer Drw			sheet 2 of 3					

A
B
C
D
E
F

10125112 - MM NN PP - LF
LEAD FREE

DIM	TABLE 2. LENGTH FORMULAS
DIM A (1)	(MM + NN) / 2 x 2.54 + (PP / 2) x 1.27 + 16.02
DIM B	DIM A - 10.38
DIM T	2.60 OR 3.25 OR 4.85 OR 2.25

	NON-HALOGEN FREE								HALOGEN FREE							
	A	B	C	D	E	F	G	H	I	2	3	4	5	6	7	8
TAIL LENGTH(DIM D)	2.60		3.25		4.85		2.25		2.60		3.25		4.85		2.25	
HOLD-DOWN PEGS OPTION	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N	Y	N
STATE	TOOLED		TOOLED		TOOLED		NOT TOOLED		TOOLED		TOOLED		TOOLED		NOT TOOLED	



Example: The configuration above is 10125112-241224CLF
STD HPCE BTB R/A REC 36P24S with Polarization Key and Hold-Down Pegs.
24P is 4 beam contact, 12P is 2 beam contact.

TABLE 3: PART NUMBER CODE. HPCE BTB R/A RECPT P+S CONFIG

- NOTES:
- CONNECTOR MATERIALS:
HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK
UL 94V-0 COMPLIANT
CONTACTS: HIGH PERFORMANCE COPPER ALLOY.
 - CONTACT FINISH REF. GS-12-1125.
 - PRODUCT SPECIFICATION: GS-12-1125.
 - APPLICATION SPECIFICATION: GS-20-0388.
 - PRODUCT MARKING (FCI - PART NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.
 - PACKAGING MEETS FCI SPECIFICATION GS-14-2272.
 - 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
Ø 2.18 +/- 0.03 FOR SOLDER TAILS
 - MAXIMUM OVERALL LENGTH IS 100mm.

spec ref		-		dr		Julia Wang		2014/03/26		Amphenol Power Solutions			MM		scale		size				
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peter Hu		2022/03/15					↔		4:1		A2				
ISO 406 ISO 1101				r v w r		-		-					ec n no		ELX-DG-44139-1						
				appr		Zheng, Pei-Min		2022/03/21		A Division of Amphenol Corporation			amphenol-hcc.com			rel level		Released			
surface		linear		0.X		±0.5		projection 		title				HPCE BTB R/A RECPT		diag no		10125112		rev	
				0.XX		±0.25															
				0.XXX		±0.10															
		ISO 1302		angular		0°				±2°		product family				Product - Customer Drw				sheet 3 of 3	
								CONFIG. P+S - UNIVERSAL DRAWING				cat. no.				C					