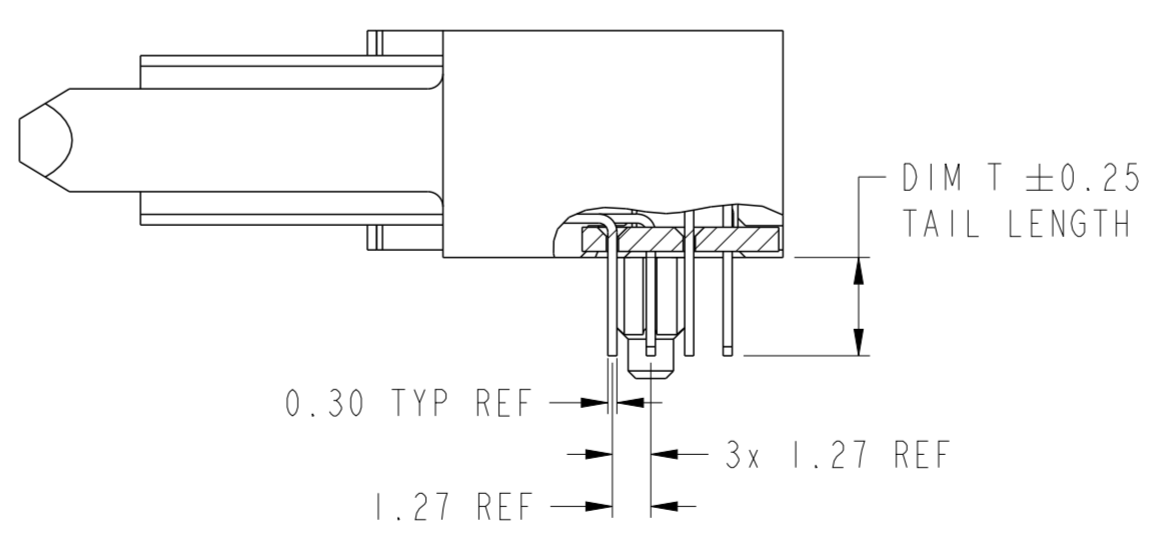


SECTION A-A
SCALE 4:1

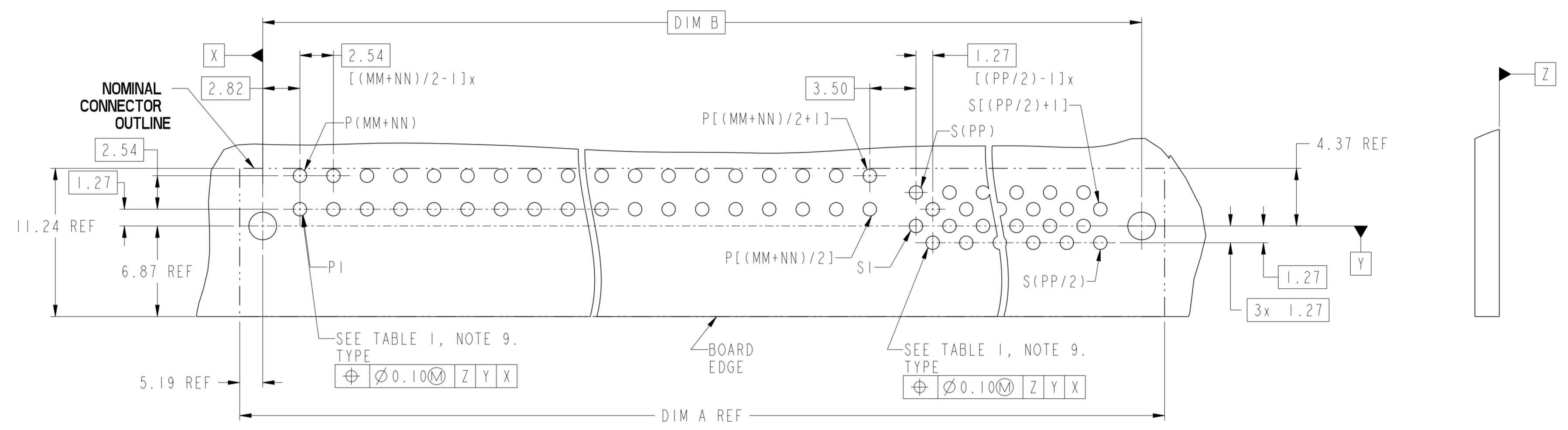


SECTION B-B
SCALE 4:1

TOP SURFACE OF PCB
2x 4.00 HOLD-DOWN PEGS SEE TABLE 2

spec ref	-	dr	Julia Wang	2014/03/26	Amphenol Power Solutions A Division of Amphenol Corporation amphenol-hcc.com	MM	scale	size
tolerance std	ISO 406 ISO 1101	eng	Peter Hu	2022/03/15		ec n no	4:1	A2
surface	TOLERANCES UNLESS OTHERWISE SPECIFIED	r w r	-	-		rel level	Released	
ISO 1302		appr	Zheng, Pei-Min	2022/03/21	cat. no.	10125112	rev	C
		projection			product family	Product - Customer Drw	sheet 1 of 3	

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

Amphenol Power Solutions

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spec ref	-	dr	Julia Wang	2014/03/26	Amphenol Power Solutions A Division of Amphenol Corporation amphenol-hcc.com	MM	scale	size
tolerance std	ISO 406 ISO 1101	eng	Peter Hu	2022/03/15		4:1	A2	
surface	ISO 1302	fwfr	-	-		ec n no	ELX-DG-44139-1	
		appr	Zheng, Pei-Min	2022/03/21	rel level	Released		
		projection	HPCE BTB R/A RECPT CONFIG. P+S - UNIVERSAL DRAWING		diag no	10125112	rev	C
			product family		cat. no.		sheet 2 of 3	

PDS: Rev :C

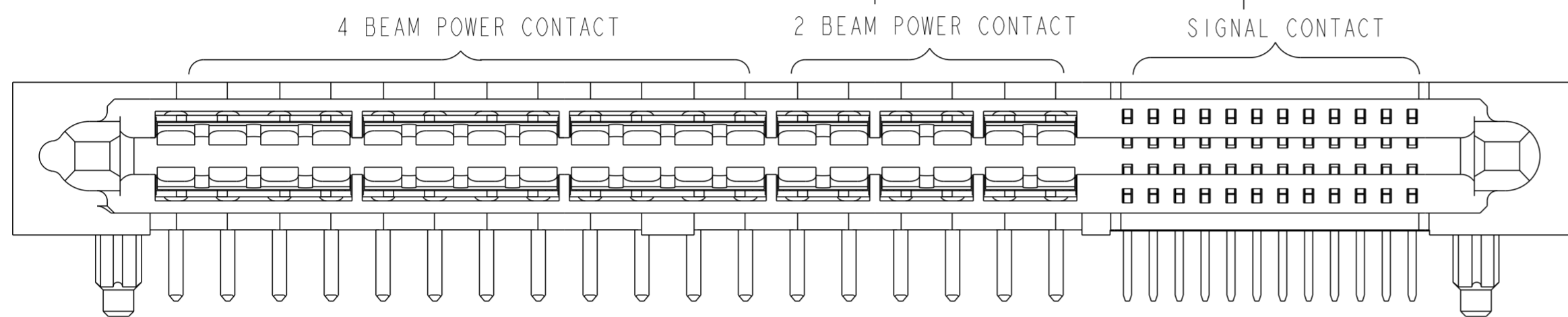
STATUS:Released

Printed: May 24, 2022

10125112 - MM NN PP - LF LEAD FREE

DIM	TABLE 2. LENGTH FORMULAS
DIM A (1)	$(MM + NN) / 2 \times 2.54 + (PP / 2) \times 1.27 + 16.02$
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	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	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
 $\varnothing 2.18 \pm 0.03$ FOR SOLDER TAILS
- MAXIMUM OVERALL LENGTH IS 100mm.

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