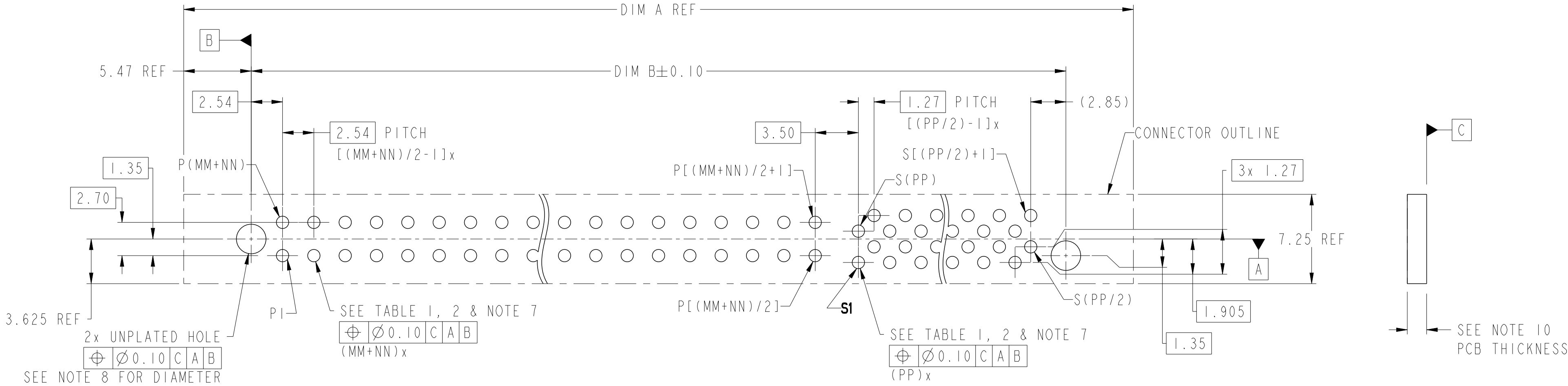


Printed: Sep 22, 2016

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 7)	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 7)	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	0.70 - 0.80



spec ref				dr		Julia Wang		2014/03/07		projection		MM		size		A2		scale		4:1							
tolerance std				TOLERANCES UNLESS OTHERWISE SPECIFIED				eng		Feng Zheng		2016/09/22						ecn no		ELX-DG-24961-1							
ISO 406								chr		Terris Liu		2016/09/22						product family				-		rel level		Released	
ISO 1101								appr		Pei-Ming Zheng		2016/09/22															
surface		linear		0.X		±0.5		Amphenol FCI		title		HPCE BTB VT RECPT WITH GUIDE POST CONFIG. P+S - UNIVERSAL DRAWING								dwg no		10125023		rev		B	
				0.XX		±0.25																					
				0.XXX		±0.10																					
ISO 1302		angular		0°		±2°		cat. no.		-		Product - Customer Drw								sheet 2 of 3							

10125023 - MM NN PP - LF

LEAD FREE

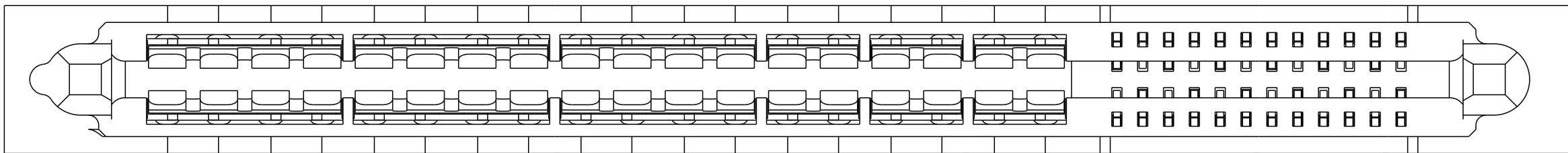
TAIL TYPE
NOTE 10

A	B
STB	PF

4 BEAM POWER CONTACT
(NEXT TO LEFT END)

2 BEAM POWER CONTACT
(NEXT TO SIGNAL)

SIGNAL CONTACT
(NEXT TO RIGHT END)



Example: The configuration above is 10125023-241224BLF
STD HPCE BTB VERT. PRESS-FIT RECEPT. 36P24S.
24P is 4 beam contact, 12P is 2 beam contact.

TABLE 4: PART NUMBER CODE. HPCE BTB STD VERT RECPT P+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-12-1125 SECTION 5.2.

3. PRODUCT SPECIFICATION: GS-12-1125.

4. APPLICATION SPECIFICATION: GS-20-0388.

5. PART NUMBER AND DATE CODE TO BE MARKED ON THIS SURFACE.
THE MARK CAN BE OMITTED IF THERE IS NOT ENOUGH SPACE ON THIS SURFACE.

6. PACKAGING MEETS FCI SPECIFICATION GS-14-2272.

7. ALL HOLE SIZES ARE FINISHED HOLE SIZES.

8. MOUNTING HOLES ARE UNPLATED:
Ø2.40 +/- 0.10 FOR PRESS-FIT TAILS
Ø2.18 +/- 0.03 FOR SOLDER TAILS

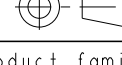
9. PRESS FIT APPLICATION TOOL DRAWING: 10125182

10. STB: SOLDER TO BOARD, 1.57-2.38mm PCB THICKNESS
PF: PRESS FIT, 1.57mm MINIMUM PCB THICKNESS.

11. HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 245°C PEAK TEMPERATURE
FOR 10 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.

12. MAXIMUM OVERALL LENGTH IS 100mm.

DIM	TABLE 3. LENGTH FORMULAS
DIM A ⑫	(MM + NN) / 2 x 2.54 + (PP / 2) x 1.27 + 16.02
DIM B	DIM A - 10.94

spec ref		dr		Julia Wang	2014/03/07	projection  MM 	size	A2	scale	4:1		
tolerance std		eng		Feng Zheng	2016/09/22		ecn no	ELX-DG-24961-1				
ISO 406		chr		Terris Liu	2016/09/22		rel level	Released				
ISO 1101		appr		Pei-Ming Zheng	2016/09/22		product family					
surface		TOLERANCES UNLESS OTHERWISE SPECIFIED		Amphenol FCI	title		HPCE BTB VT RECPT WITH GUIDE POST		dwg no	10125023	rev	B
ISO 1302					cat. no.		Product - Customer Drw			sheet 3 of 3		
		linear	0.X	±0.5								
			0.XX	±0.25								
			0.XXX	±0.10								
		angular	0°	±2°								