

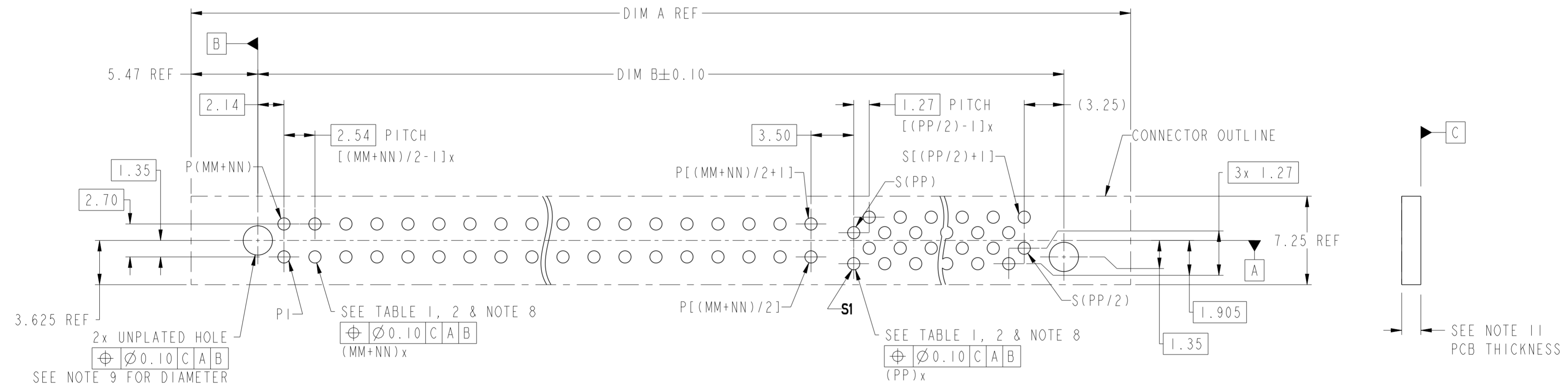
spec ref	dr	Hai-Ling Liu	2014/09/09	projection	MM	size	A2	scale	4:1
tolerance std	eng	Sunny2 Liu	2016/11/15			ecn no	ELX-DG-25328-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	Terris Liu	2016/11/16						
	appr	Pai-Ming Zheng	2016/11/16						
surface	linear	0.X	±0.5	product family		title VT RECPT WITH GUIDE POST CONFIG. P+S - UNIVERSAL DRAWING	dwg no 10130836	rev B	
		0.XX	±0.25	cat. no. Product - Customer Drw					sheet 1 of 3
	angular	0°	±2°						

Amphenol FCI

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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	Hai-Ling Liu	2014/09/09	projection	MM	size	A2	scale	1:1
tolerance std	eng	Sunny2 Liu	2016/11/15			ecn no	ELX-DG-25328-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	Terris Liu	2016/11/16						
	appr	Pai-Ming Zheng	2016/11/16						
surface	linear	0.X	±0.5	product family	-	rel level	Released	title	VT RECPT WITH GUIDE POST
		0.XX	±0.25	Amphenol FCI		cat. no.	-	Product - Customer Drw	10130836
		0.XXX	±0.10						
	angular	0°	±2°						

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10130836 - MM NN PP - LF

LEAD FREE

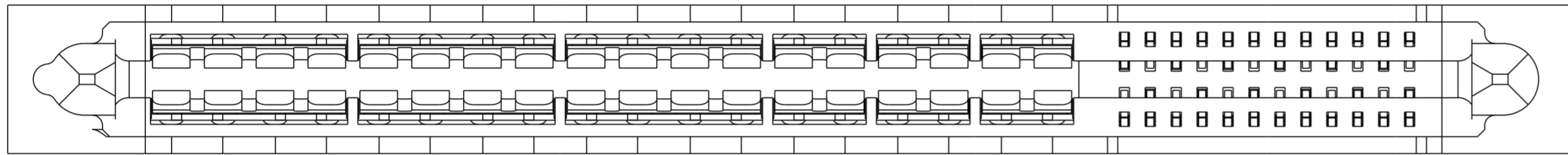
TAIL TYPE
NOTE 11

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 10130836-241224BLF
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:

- 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.
- 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:
Ø2.40 +/- 0.10 FOR PRESS-FIT TAILS
Ø2.18 +/- 0.03 FOR SOLDER TAILS
- PRESS FIT APPLICATION TOOL DRAWING: 10125182

- STB: SOLDER TO BOARD, 1.57-2.38mm PCB THICKNESS
PF: PRESS FIT, 1.57mm MINIMUM PCB THICKNESS.
- HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
- MAXIMUM OVERALL LENGTH IS 100mm.

DIM	TABLE 3. LENGTH FORMULAS
DIM A (13)	(MM + NN) / 2 x 2.54 + (PP / 2) x 1.27 + 16.02
DIM B	DIM A - 10.94

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TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	Terris Liu	2016/11/16						
	appr	Pai-Ming Zheng	2016/11/16						
surface	linear	0.X	±0.5	product family	VT RECPT WITH GUIDE POST	cat. no.	10130836	rev	B
		0.XX	±0.25		CONFIG. P+S - UNIVERSAL DRAWING				
	angular	0°	±2°						