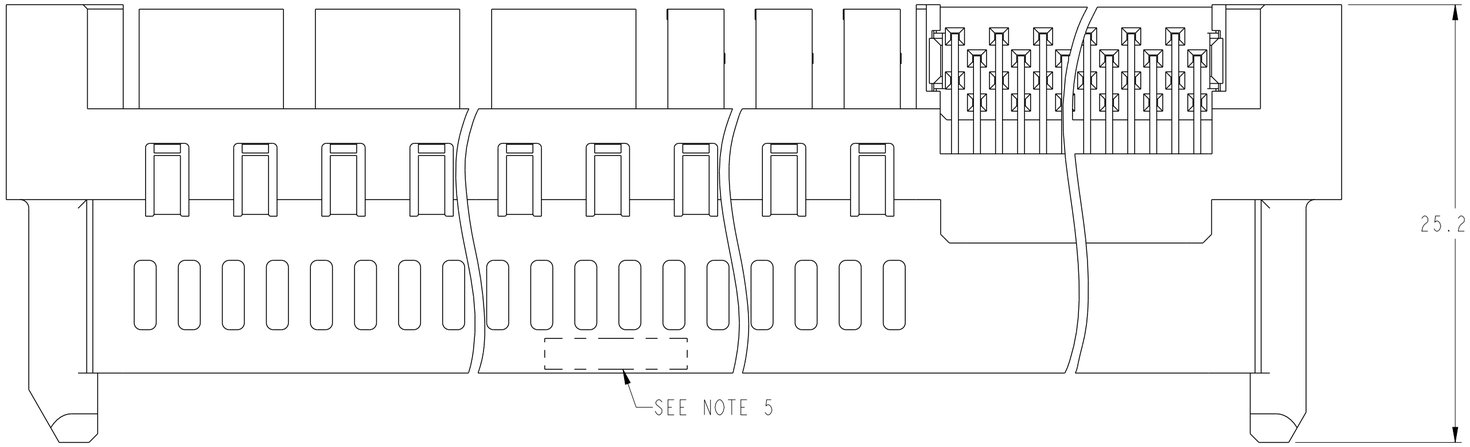
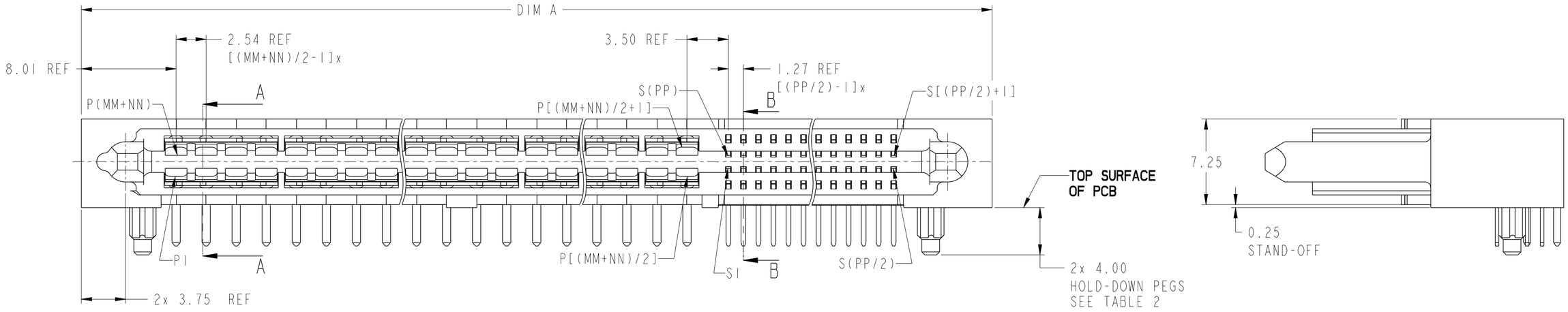
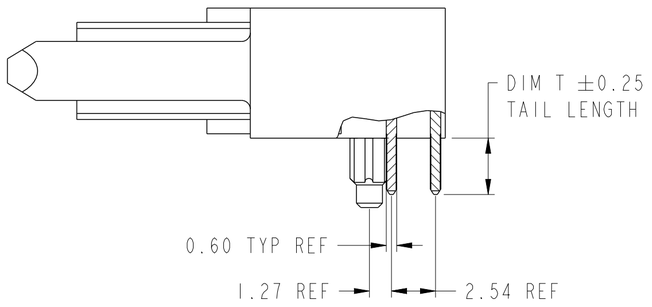
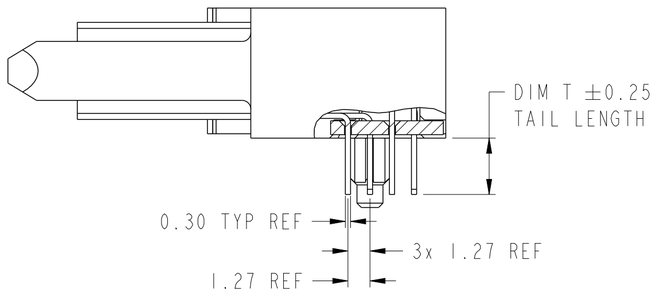






SECTION A-A
SCALE 4:1

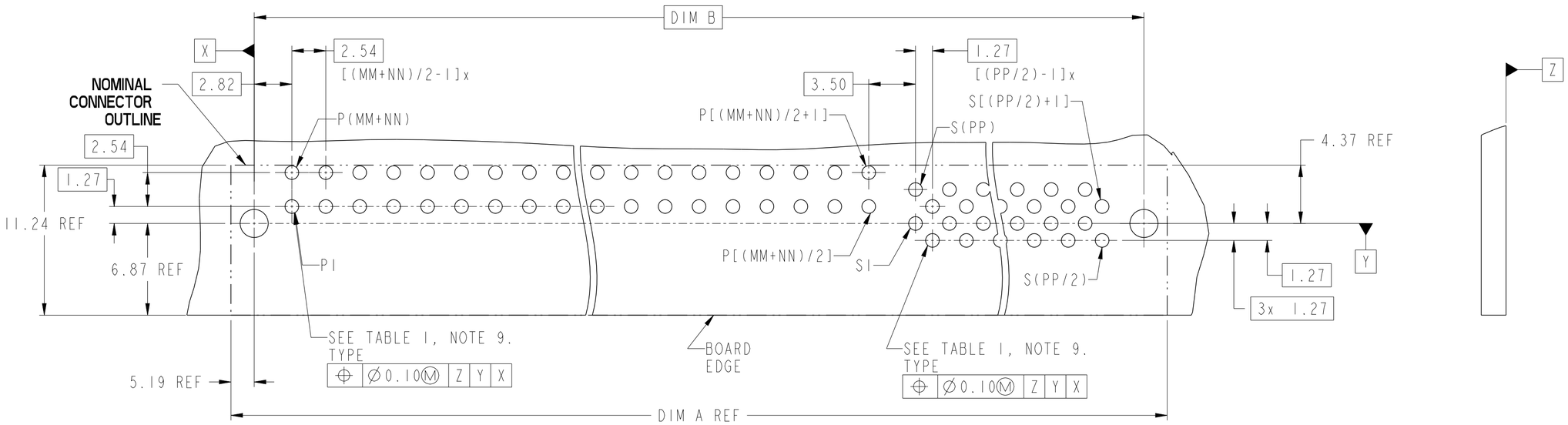


SECTION B-B
SCALE 4:1

spec ref	-		dr	Julia Wang	2014/03/26	projection	MM
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Julia Wang	2014/05/04		
			chr	-	-	size A2	scale 4:1
			appr	Pei-Ming Zheng	2014/05/04	ecn no	ELX-DG-17457-1
surface ISO 1302	linear	0.X ±0.5	FCI www.fci.com	title	HPCE BTB R/A RECPT	product family	rel level Released
		0.XX ±0.25			CONFIG. P+S - UNIVERSAL DRAWING	dwg no 10125112	rev B
		0.XXX ±0.10					
	angular	0° ±2°		cat. no.	Product - Customer Drw		sheet 1 of 3

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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



RECOMMENDED PCB LAYOUT

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eng	Julia Wang	2014/05/04			
chr	-	-			ecn no ELX-DG-17457-1
appr	Pei-Ming Zheng	2014/05/04	product family		rel level Released
www.fci.com	cat. no.		Product - Customer Drw		sheet 2 of 3

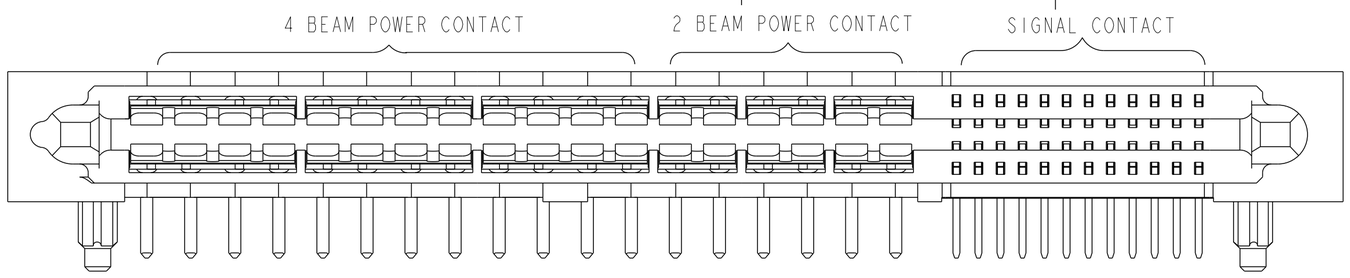
title: HPCE BTB R/A RECPT
CONFIG. P+S - UNIVERSAL DRAWING
dwg no 10125112
rev B

DIM	TABLE 2. LENGTH FORMULAS
DIM A (11)	(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

10125112 - MM NN PP _ LF

LEAD FREE

	A	B	C	D
TAIL LENGTH(DIM D)	2.60		3.25	
HOLD-DOWN PEGS OPTION	Y	N	Y	N



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:

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.

3. PRODUCT SPECIFICATION: GS-12-1125.

4. APPLICATION SPECIFICATION: GS-20-0388.

5. PRODUCT MARKING (FCI - PART NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.

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

7. HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE
   FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.

8. COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.

9. ALL HOLE SIZES ARE FINISHED HOLE SIZES.

10. MOUNTING HOLES ARE UNPLATED
    ∅ 2.18 +/- 0.03 FOR SOLDER TAILS

11. MAXIMUM OVERALL LENGTH IS 100mm.

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dr	Julia Wang	2014/03/26	projection	MM	size A2	scale 4:1
eng	Julia Wang	2014/05/04			ecn no	ELX-DG-17457-1
chr	-	-				
appr	Pei-Ming Zheng	2014/05/04	product family		rel level	Released

www.fci.com	title: HPCE BTB R/A RECPT CONFIG. P+S - UNIVERSAL DRAWING	dwg no: 10125112	rev: B
cat. no.	Product - Customer Drw		sheet 3 of 3

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