

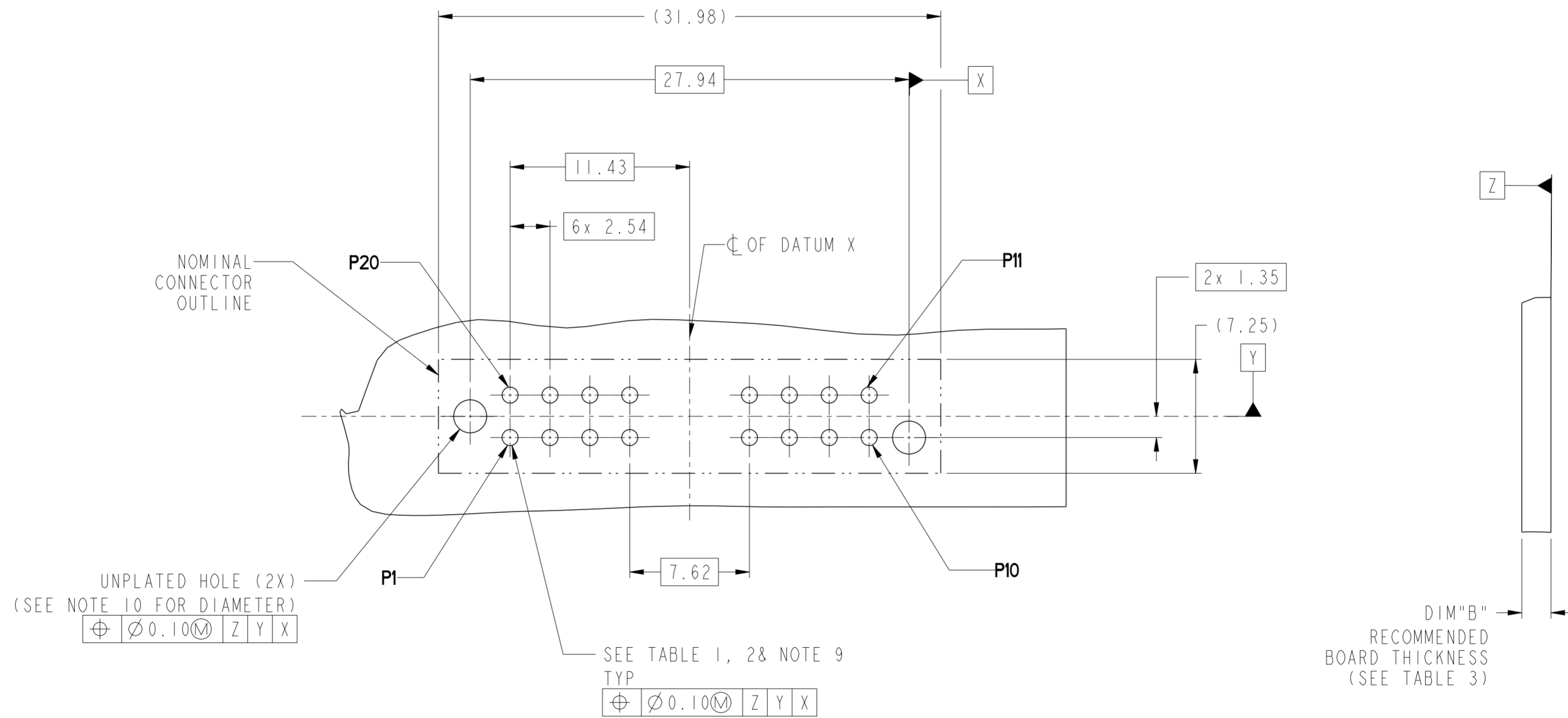
REV	ECN NO.	DR	DATE
A	---	ERIC	2013-04-18

spec ref	-	dr	Eric Jiang	2013/04/09	projection	MM	size	A2	scale	1:1	
tolerance std	ISO 406 ISO 1101	eng	Eric Jiang	2013/04/19			ecn no	-	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr							Pei-Ming Zheng
surface	ISO 1302	linear	0.X ±0.5 0.XX ±0.25 0.XXX ±0.10	angular	0° ±2°			VERT RECT (20P) HIGH POWER CARD EDGE		dwg no 10125025	rev A
www.fci.com						cat. no.		Product - Customer Drw		sheet 1 of 4	

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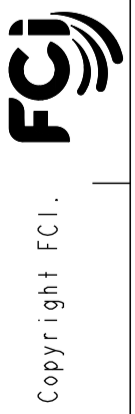
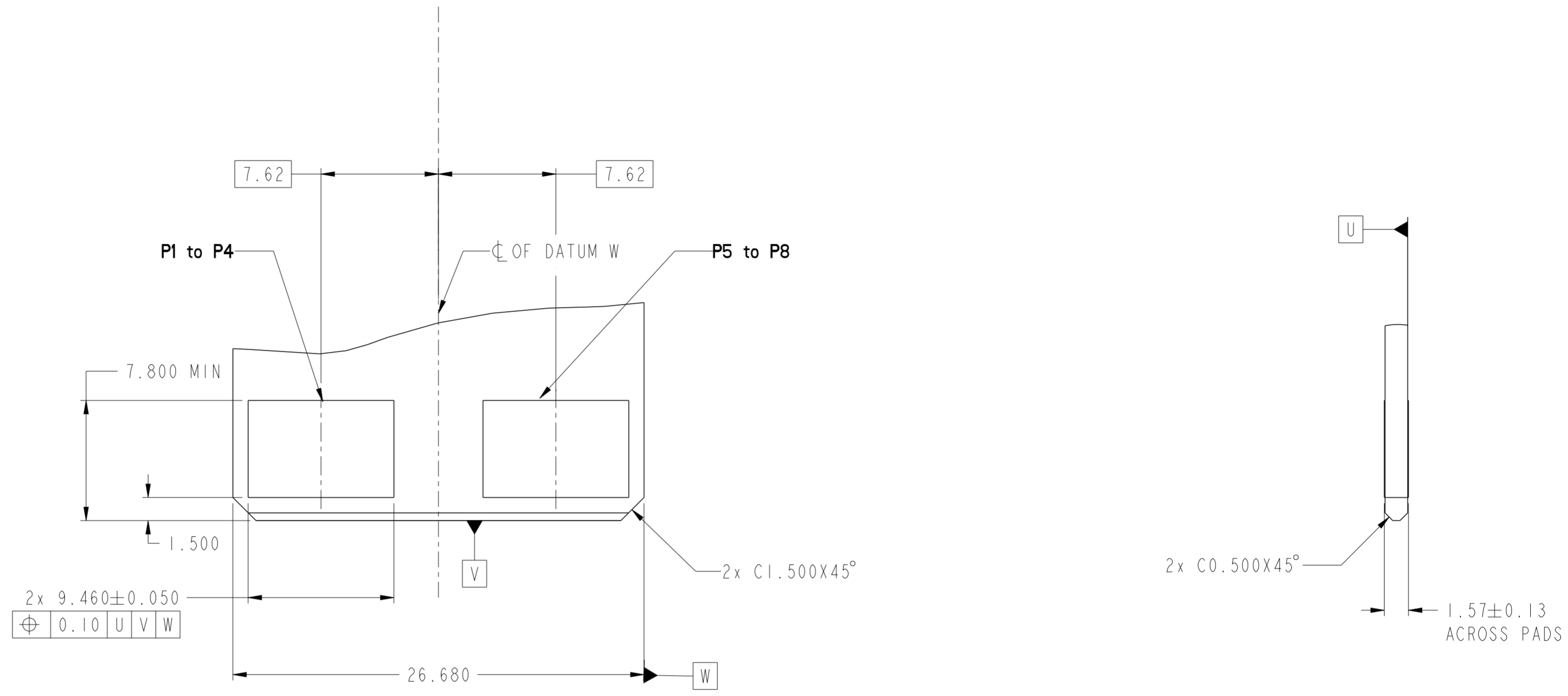
CONTACT TYPE	TOP LAYER DESCRIPTION	TABLE 1 (HPCE / SOLDER TAILS) PLATED THROUGH-HOLE REQUIREMENTS				
		DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	TIN THICKNESS	FINISHED HOLE DIAMETER
POWER & SIGNAL	TIN-LEAD	1.10-1.16 (1.15 DRILL)	0.025 - 0.050	0.005 - 0.015	--	0.94 - 1.10
	IMMERSION TIN	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



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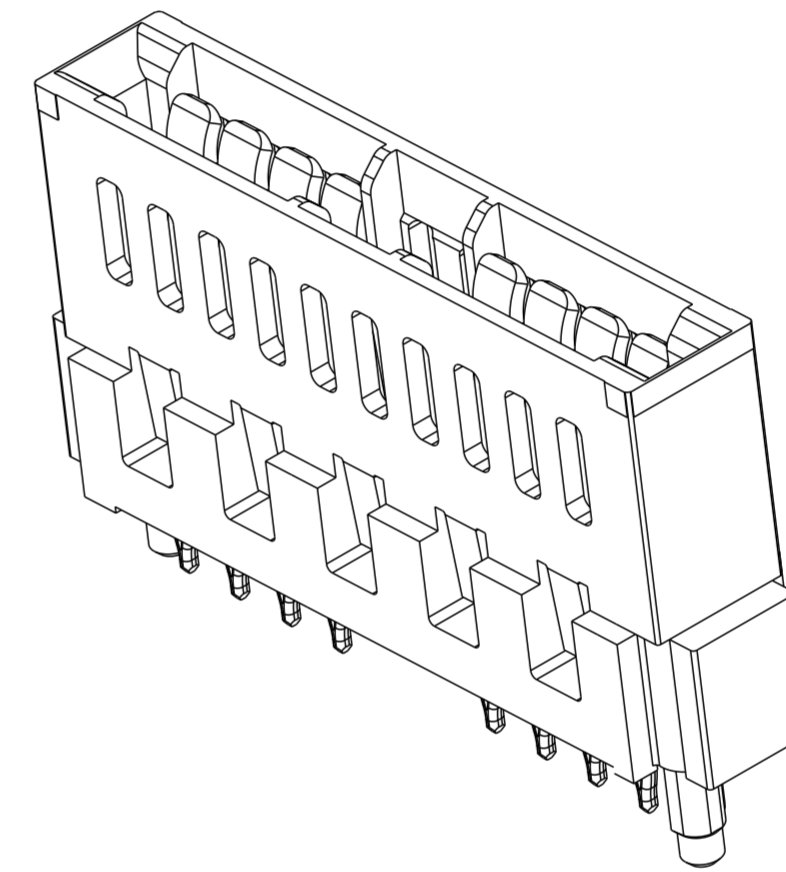
spec ref	-	dr	Eric Jiang	2013/04/09	projection	MM	size	A2	scale	1:1	
tolerance std	ISO 406 ISO 1101	eng	Eric Jiang	2013/04/19			ecn no	-		VERT RECT (20P) HIGH POWER CARD EDGE	
surface	ISO 1302	chr	-	apppr			Pei-Ming Zheng	2013/04/19			rel level
		linear	0.X	±0.5						rev	A
			0.XX	±0.25							
			0.XXX	±0.10							
		angular	0°	±2°							



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tolerance std	ISO 406 ISO 1101	eng	Eric Jiang	2013/04/19			ecn no	-	rel level	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	product family			Released			
surface	ISO 1302	appr	Pai-Ming Zheng	2013/04/19			title	VERT RECT (20P) HIGH POWER CARD EDGE	dwg no	10125025
	linear	0.X	±0.5	www.fci.com	cat. no.	Product - Customer Drw	rev	A	sheet 3 of 4	
		0.XX	±0.25							
		0.XXX	±0.10							
	angular	0°	±2°							

HPCE PART NUMBER (TABLE 3)

PART NUMBER	TAIL TYPE	ORIENTATION KEY	DIM "A" TAIL LENGTH	DIM "B" RECOMMENDED BOARD THICKNESS
10125025-001LF	SOLDER	NO	3.17 ±0.25	1.59 - 2.38
10125025-002LF	PRESS-FIT	NO	3.17 ±0.25	1.57 MIN



NOTES:

1. CONNECTOR MATERIALS:
 HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, BLACK
 UL 94V-0 COMPLIANT
 CONTACTS: HIGH PERFORMANCE COPPER ALLOY.
2. CONTACT FINISH REF. GS-12-604 SECTION 5.2.
3. PRODUCT SPECIFICATION: GS-12-604.
4. APPLICATION SPECIFICATION: GS-20-128.
5. PRODUCT MARKING (FCI - PART NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.
6. PACKAGING MEETS FCI SPECIFICATION GS-14-937.
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
 Ø 2.40 +/- 0.1 FOR PRESS-FIT TAILS
 Ø 2.18 +/- 0.03 FOR SOLDER TAILS
11. PRESS FIT APPLICATION TOOL DRAWING : 10119453.

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surface	ISO 1302	appr	Pei-Ming Zheng	2013/04/19			title	VERT RECT (20P) HIGH POWER CARD EDGE	cat. no.	10125025
	linear	0.X	±0.5				dwg no			rev
		0.XX	±0.25							A
		0.XXX	±0.10							
	angular	0°	±2°							
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