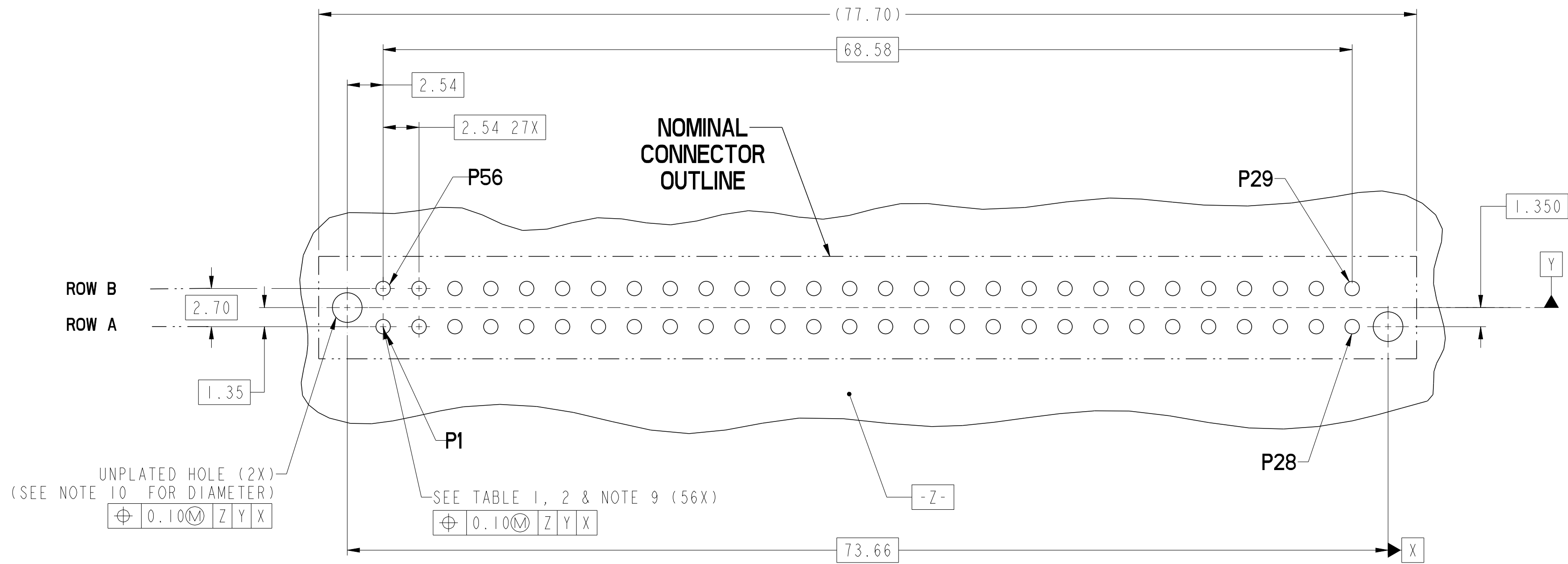
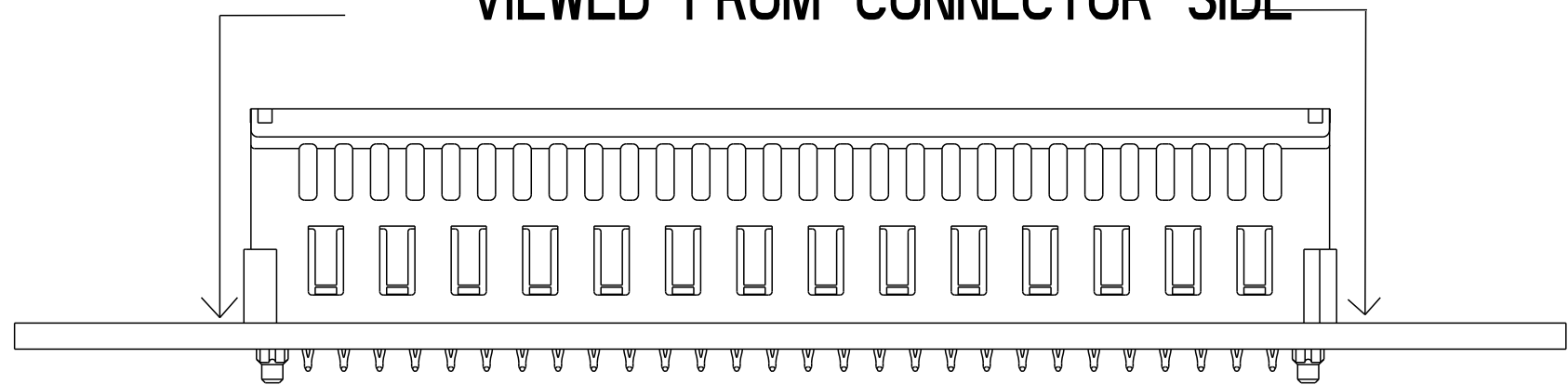


rev	ecn no	dr	date	spec ref	dr	Wei-Long Zhang	2011/12/18	projection	MM	size	A2	scale	4:1
A		HZ	2012-03-05	tolerance std	eng	Wei-Long Zhang	2012/03/06			ecn no	-	rel level	Released
-	-	-	-	ASME Y14.5	chr	Eleven Hu	2012/03/07						
-	-	-	-	surface	appr	Pei-Ming Zheng	2012/03/07	product family	HPCE				
-	-	-	-	linear <input checked="" type="checkbox"/> $\pm 0.3$ $\pm 0.10$ $\pm 0.050$ angular $0^\circ$ $\pm 2^\circ$			title VERT RECT (56P) HIGH POWER CARD EDGE	cat. no. -	Product - Customer Drw	sheet 1 of 4	rev A		
-	-	-	-		www.fci.com	title VERT RECT (56P) HIGH POWER CARD EDGE		cat. no. -	Product - Customer Drw	sheet 1 of 4	rev A		
-	-	-	-		ASME Y14.5	title VERT RECT (56P) HIGH POWER CARD EDGE		cat. no. -	Product - Customer Drw	sheet 1 of 4	rev A		

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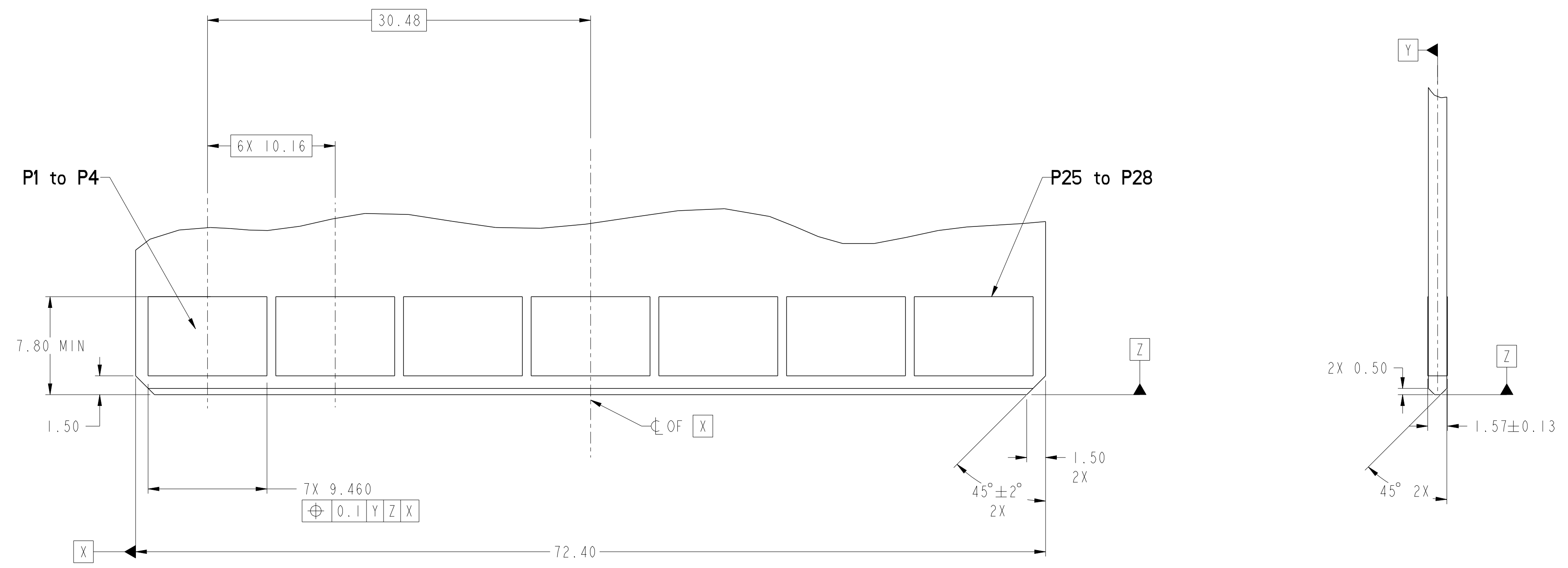
**RECOMMENDED PCB LAYOUT  
VIEWED FROM CONNECTOR SIDE**



spec ref	-	dr	Wei-Long Zhang	2011/12/18	projection	MM	size	A2	scale	4:1
tolerance std	ASME Y14.5	eng	Wei-Long Zhang	2012/03/06			ecn no	-	rel level	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Eleven Hu	2012/03/07			product family	HPCE	Released	
surface	ASME Y14.5	appr	Pei-Ming Zheng	2012/03/07			cat. no.	-	Product - Customer Drw	sheet 2 of 4
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.050			title VERT RECT (56P) HIGH POWER CARD EDGE		dwg no 10119810	rev A			
angular	0° ±2°	www.fci.com		-		-		-		

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



RECOMMENDED MATING BOARD FOOTPRINT

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spec ref	-	dr	Wei-Long Zhang	2011/12/18	projection	MM	size	A2	scale	4:1
tolerance std	ASME Y14.5	eng	Wei-Long Zhang	2012/03/06			ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Eleven Hu	2012/03/07						
surface		appr	Pai-Ming Zheng	2012/03/07						
linear	0.X ±0.3 0.XX ±0.10 0.XXX ±0.050			TITLE VERT RECT (56P) HIGH POWER CARD EDGE		dwg no	10119810		rev	A
angular	0° ±2°	www.fci.com		cat. no.	-		Product - Customer Drw		sheet 3 of 4	

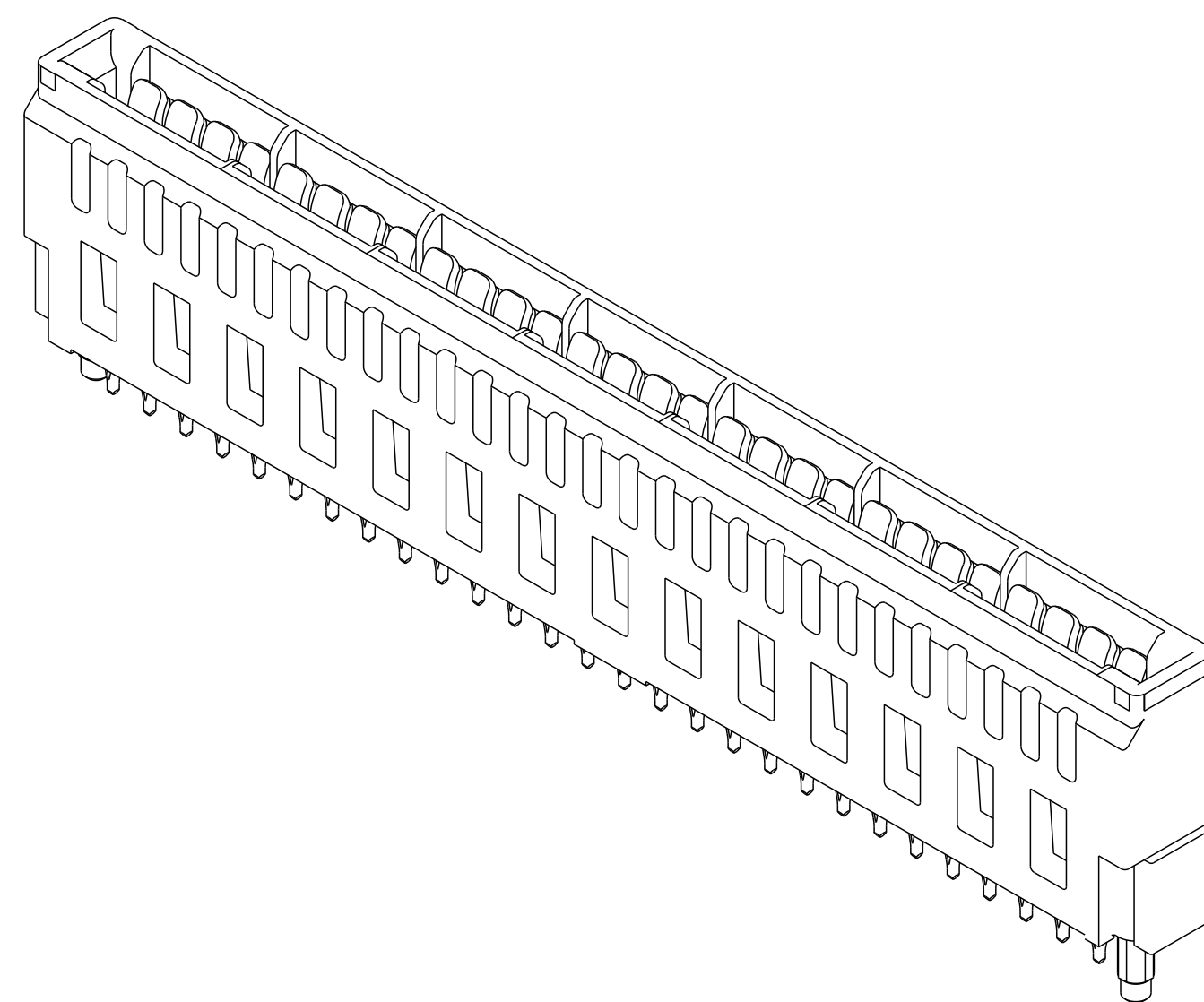
PDS: Rev :A

STATUS:Released

Printed: Mar 07, 2012

HPCE PART NUMBER (TABLE 3)

PART NUMBER	TAIL TYPE	DIM "A" TYPICAL TAIL LENGTH	DIM "B" RECOMMENDED BOARD THICKNESS
10119810-001LF	SOLDER	3.17 ±0.25	1.59 - 2.38
10119810-002LF	PRESS-FIT		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 2.10 +/- 0.1 FOR SOLDER TAILS

spec ref	-	dr	Wei-Long Zhang	2011/12/18	projection	MM	size	A2	scale	4:1											
tolerance std	ASME Y14.5	eng	Wei-Long Zhang	2012/03/06			ecn no	-	rel level												
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Eleven Hu	2012/03/07			product family	HPCE	Released												
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±0.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±0.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±0.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±2°</td> </tr> </table>	linear	0.X	±0.3		0.XX	±0.10		0.XXX	±0.050	angular	0°	±2°	appr	Pei-Ming Zheng	2012/03/07	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 4 of 4
linear	0.X	±0.3																			
	0.XX	±0.10																			
	0.XXX	±0.050																			
angular	0°	±2°																			
						title	VERT RECT (56P) HIGH POWER CARD EDGE		dwg no	10119810											
						rev	A														