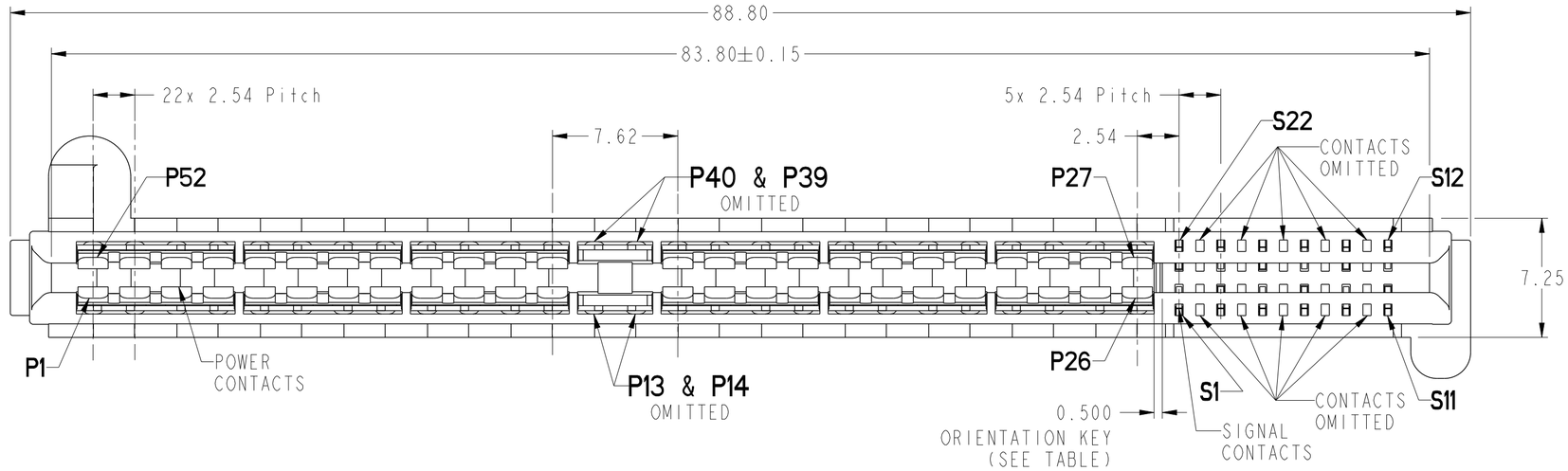
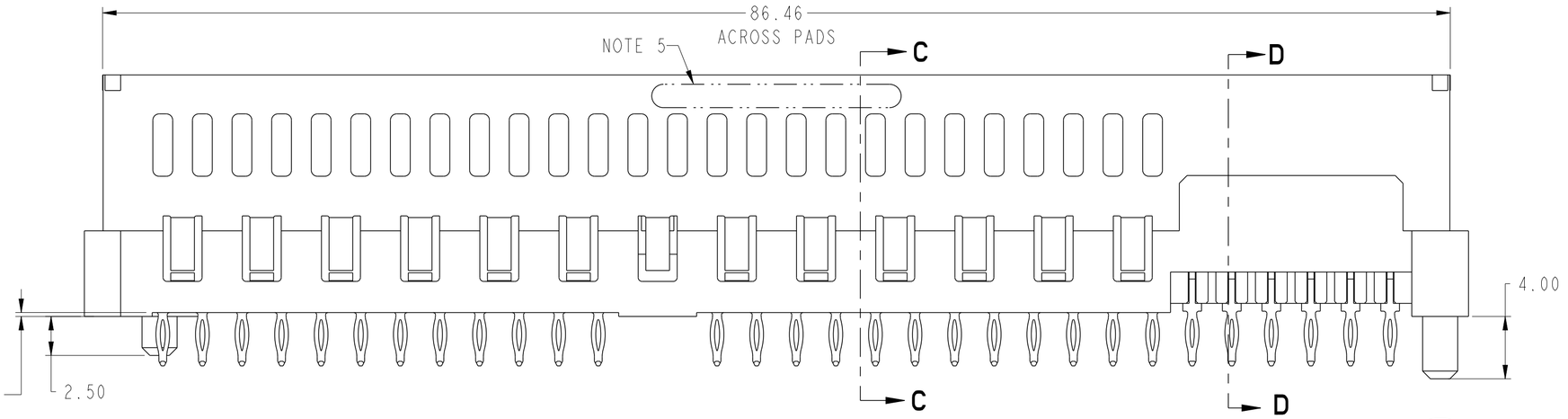
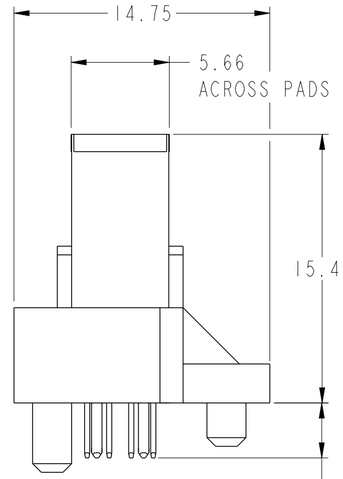
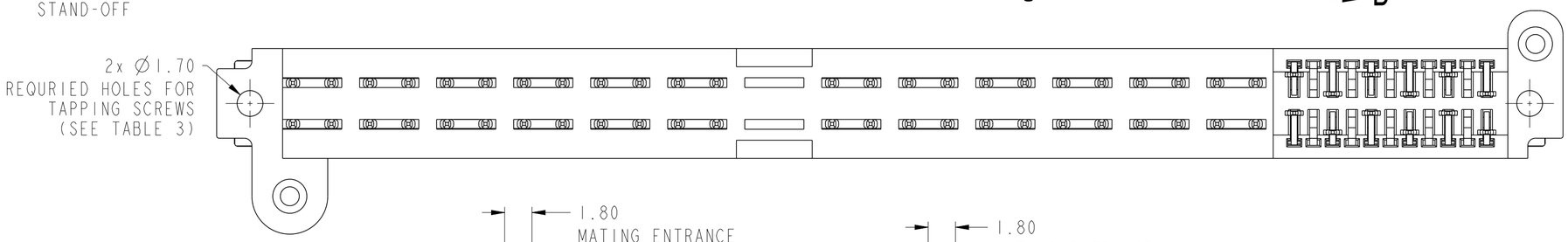
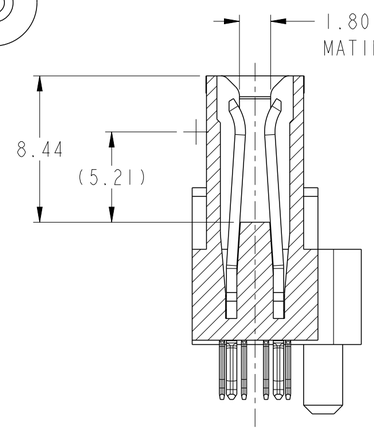


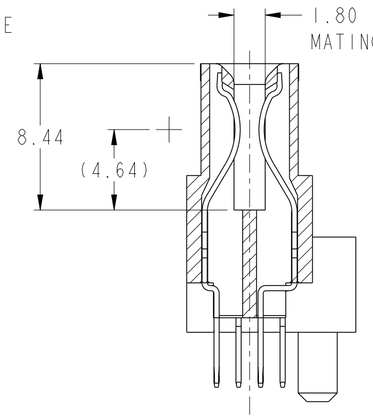








SECTION C-C

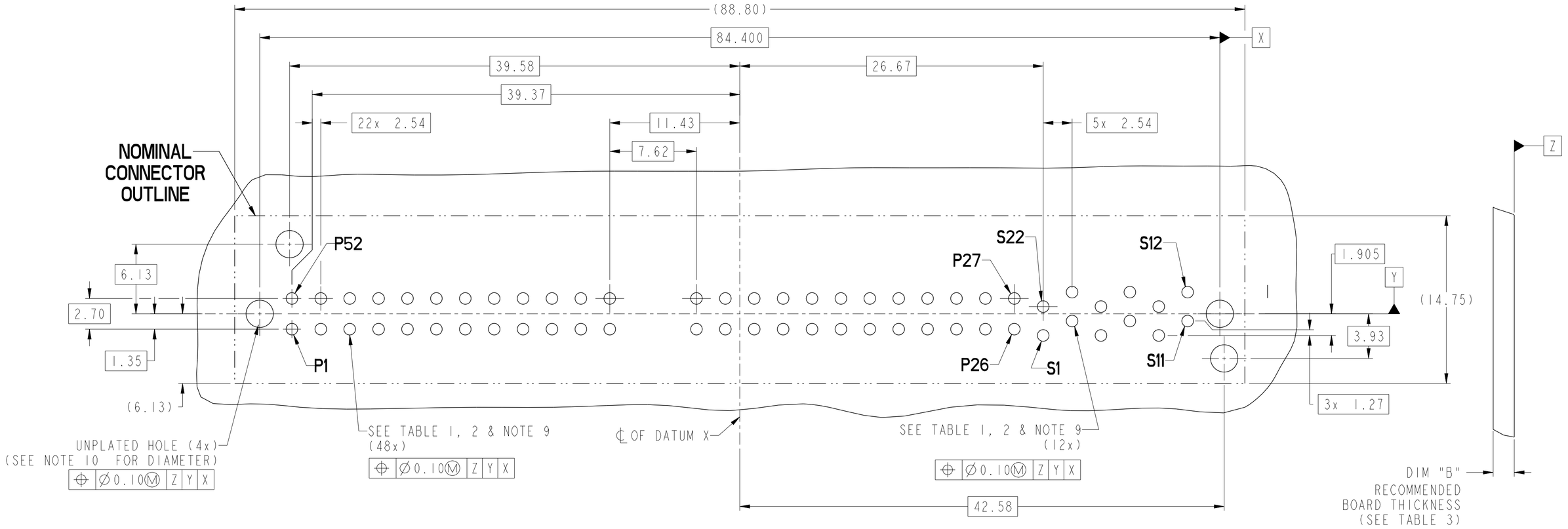


SECTION D-D

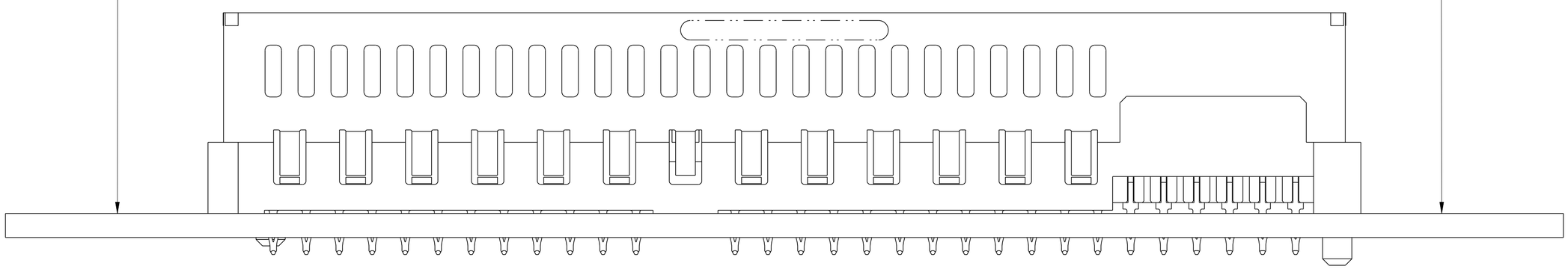
rev	ecn no	dr	date
A	-	JW	2012-09-13
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

spec ref	-			dr	Wei-Long Zhang	2012/09/15	projection	MM	size A2	scale 4:1
tolerance std - ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Julia Wang	2013/03/07			ecn no	-
				chr	Eleven Hu	2013/03/07				
				appr	Pei-Ming Zheng	2013/03/07	product family	CARD EDGE	rel level	Released
surface - ASME Y14.5	linear	0.X	±0.5	FCI	title	VERT RECT ASM (52P-22S)	dwg no	10121959	rev	A
		0.XX	±0.25			HIGH POWER CARD EDGE				
		0.XXX	±0.10	www.fci.com		cat. no. -	Product - Customer Drw		sheet 1 of 4	
	angular	0°	±2°							

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RECOMMENDED PCB LAYOUT
VIEWED FROM CONNECTOR SIDE



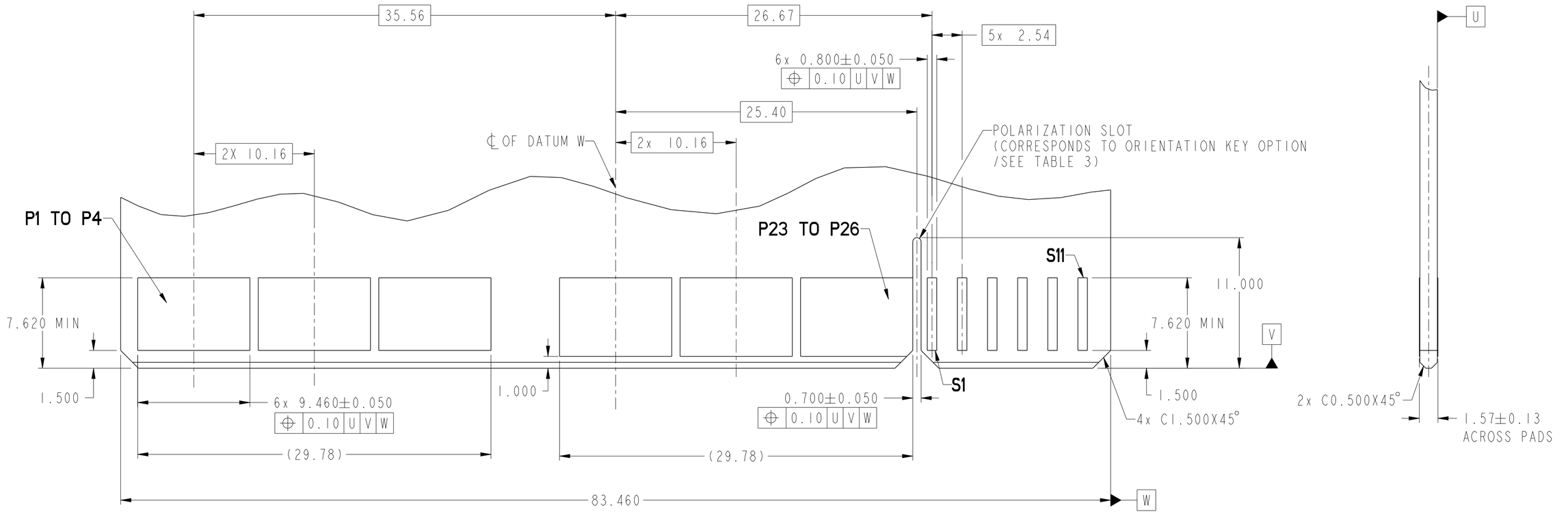
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dr	Wei-Long Zhang	2012/09/15	projection	MM	size A2	scale 4:1
eng	Julia Wang	2013/03/07				
chr	Eleven Hu	2013/03/07			ecn no	-
appr	Pei-Ming Zheng	2013/03/07	product family	CARD EDGE	rel level	Released

FCI	title: VERT RECT ASM (52P-22S) HIGH POWER CARD EDGE	dwg no 10121959	rev A
www.fci.com	cat. no. -	Product - Customer Drw	sheet 2 of 4

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

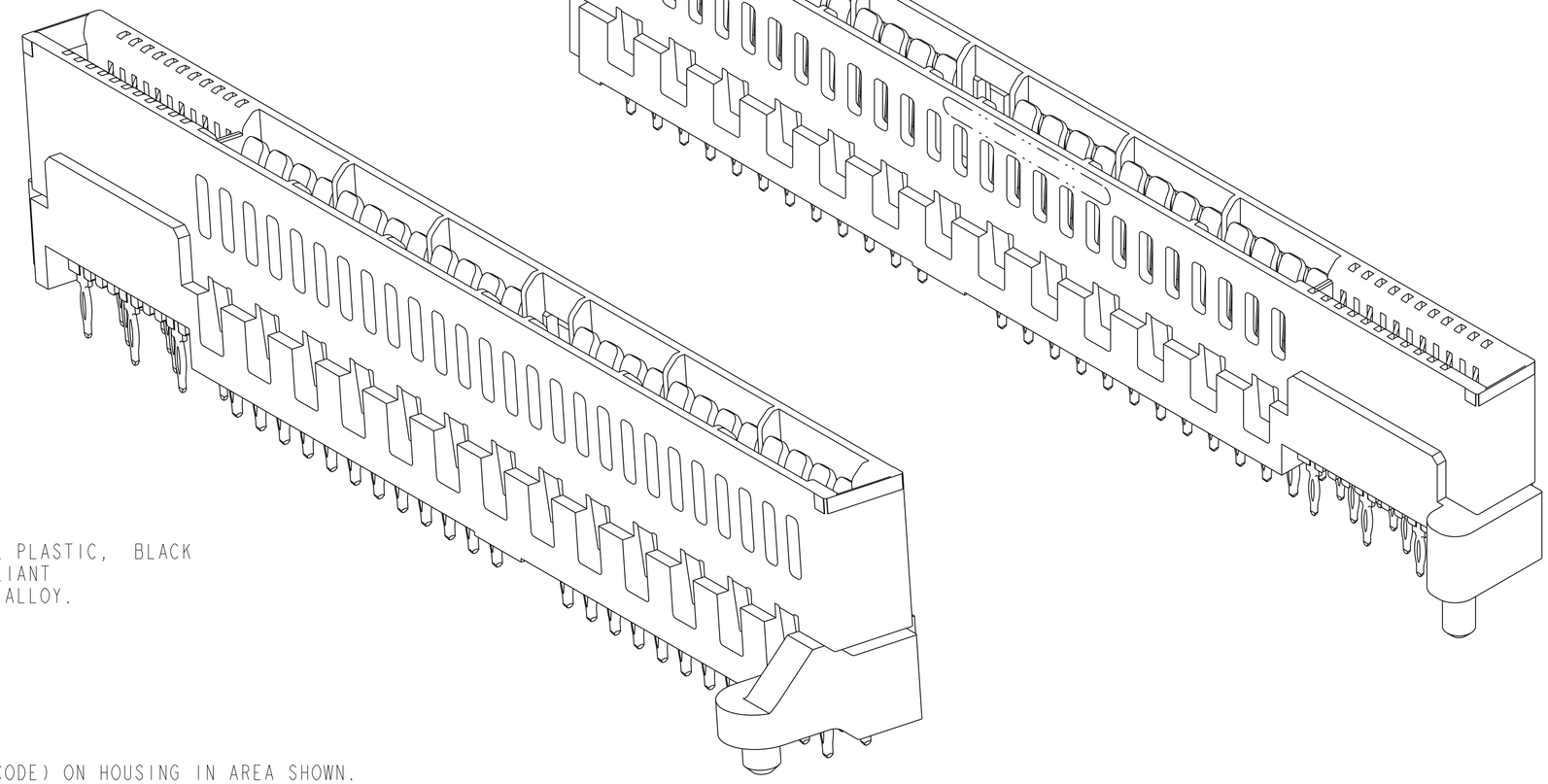


dr	Wei-Long Zhang	2012/09/15	projection	MM	size A2 / scale 4:1
eng	Julia Wang	2013/03/07			ecn no -
chr	Eleven Hu	2013/03/07			
appr	Pei-Ming Zheng	2013/03/07	product family: CARD EDGE		rel level: Released

FCI	title: VERT RECT ASM (52P-22S) HIGH POWER CARD EDGE	dwg no: 10121959	rev: A
www.fci.com	cat. no. -	Product - Customer Drw	sheet 3 of 4

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HPCE PART NUMBER (TABLE 3)					
PART NUMBER	TAIL TYPE	ORIENTATION KEY	DIM "A" TYPICAL TAIL LENGTH	DIM "B" RECOMMENDED BOARD THICKNESS	REQURIED FOR TAPPING SCREWS OPTION (RECOMMENDED)
10121959-001LF	PRESS-FIT	YES	3.17 ±0.25	1.59 - 2.38	M2
10121959-002LF		NO			



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
    ∅ 2.40 ± 0.10 FOR PRESS-FIT

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dr	Wei-Long Zhang	2012/09/15	projection	MM	size A2	scale 4:1	
eng	Julia Wang	2013/03/07					
chr	Eleven Hu	2013/03/07			ecn no	-	
appr	Pei-Ming Zheng	2013/03/07	product family	CARD EDGE	rel level	Released	
FCI	title	VERT RECT ASM (52P-22S) HIGH POWER CARD EDGE			dwg no 10121959		rev A
www.fci.com	cat. no.	-	Product - Customer Drw				sheet 4 of 4

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Amphenol:

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