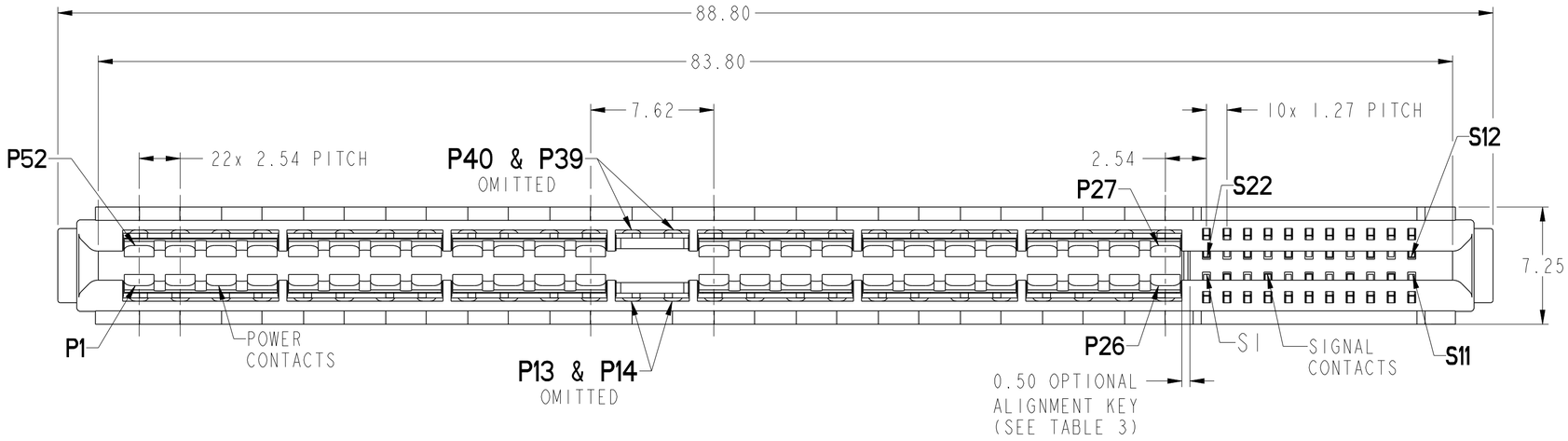
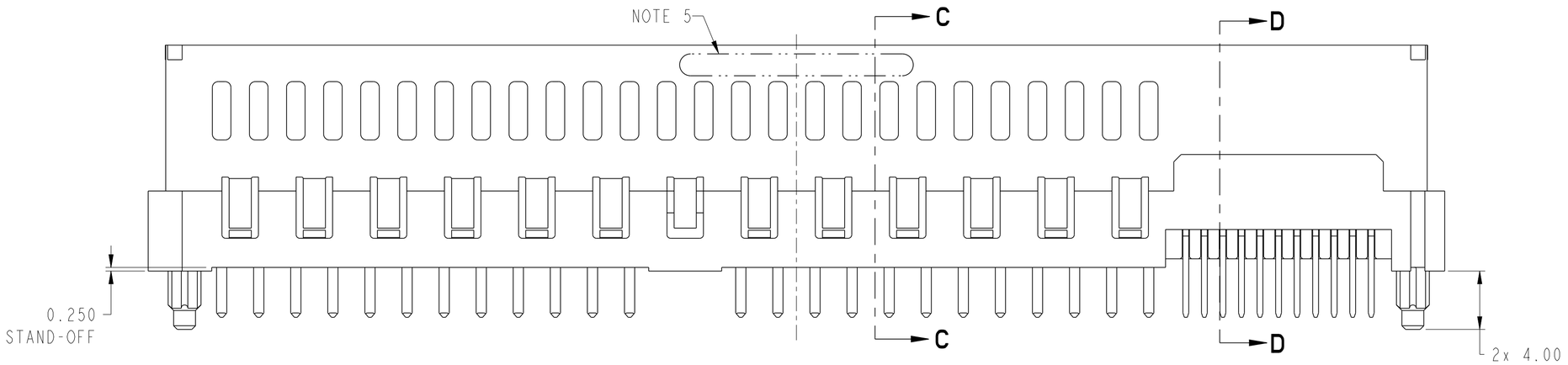
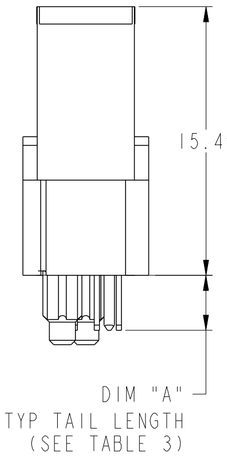
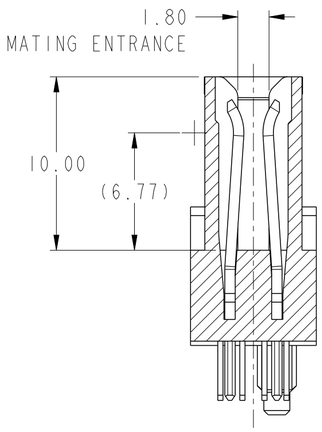
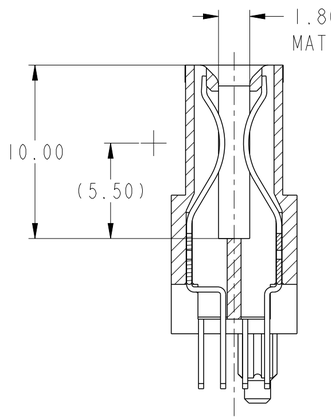








SECTION C-C
SCALE 4:1

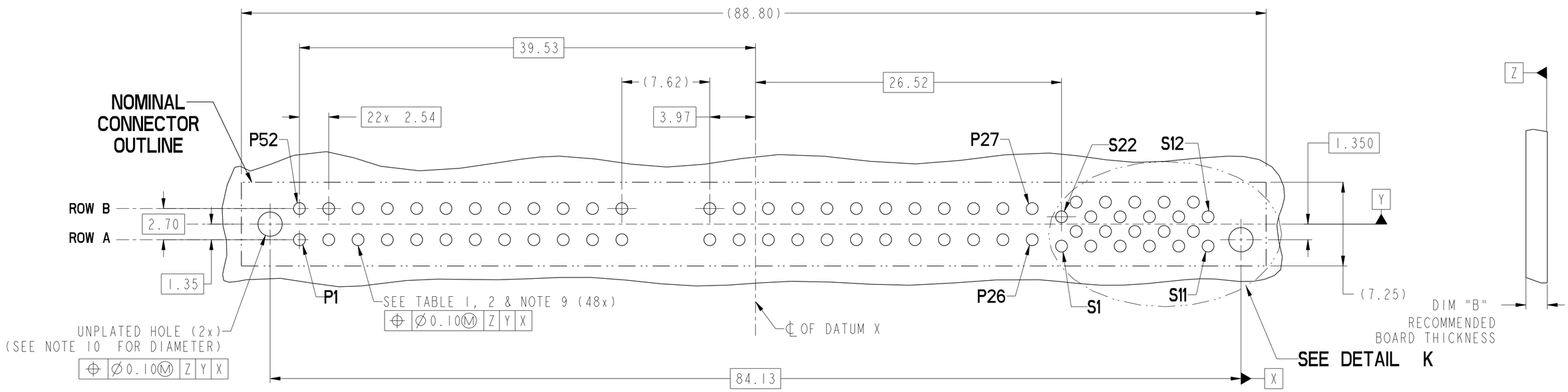


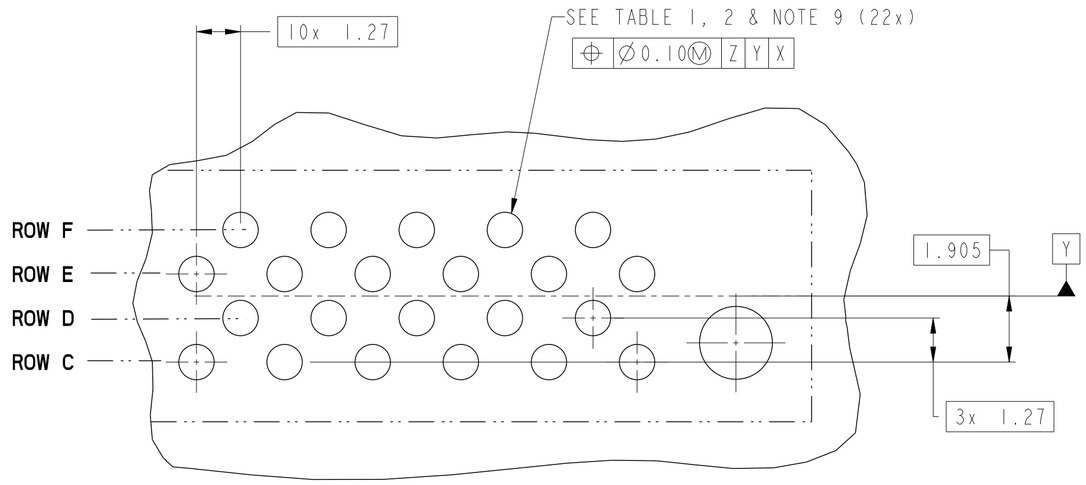
SECTION D-D
SCALE 4:1

rev	ecn no	dr	date
1	-	ERIC	2013-06-24
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

spec ref	-		dr	Eric Jiang	2013/05/15	projection	MM
tolerance std - ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Eric Jiang	2013/06/24		
			chr	-	-		
			appr	Pei-Ming Zheng	2013/06/24	product family	CARD EDGE
surface ASME Y14.5	linear	0.X ±0.5	FCI www.fci.com	title	VERT RECT ASM (52P-22S) HIGH POWER CARD EDGE	dwg no	10124028
		0.XX ±0.25					rev A
		0.XXX ±0.10					
	angular	0° ±2°		cat. no.	-	Product - Customer Drw	sheet 1 of 4

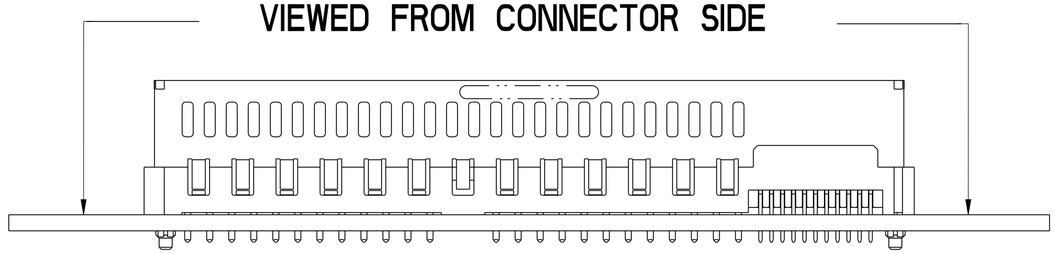
size A2 | scale 4:1 | ecn no - | rel level Released





DETAIL K
SCALE 8:1

RECOMMENDED PCB LAYOUT
VIEWED FROM CONNECTOR SIDE



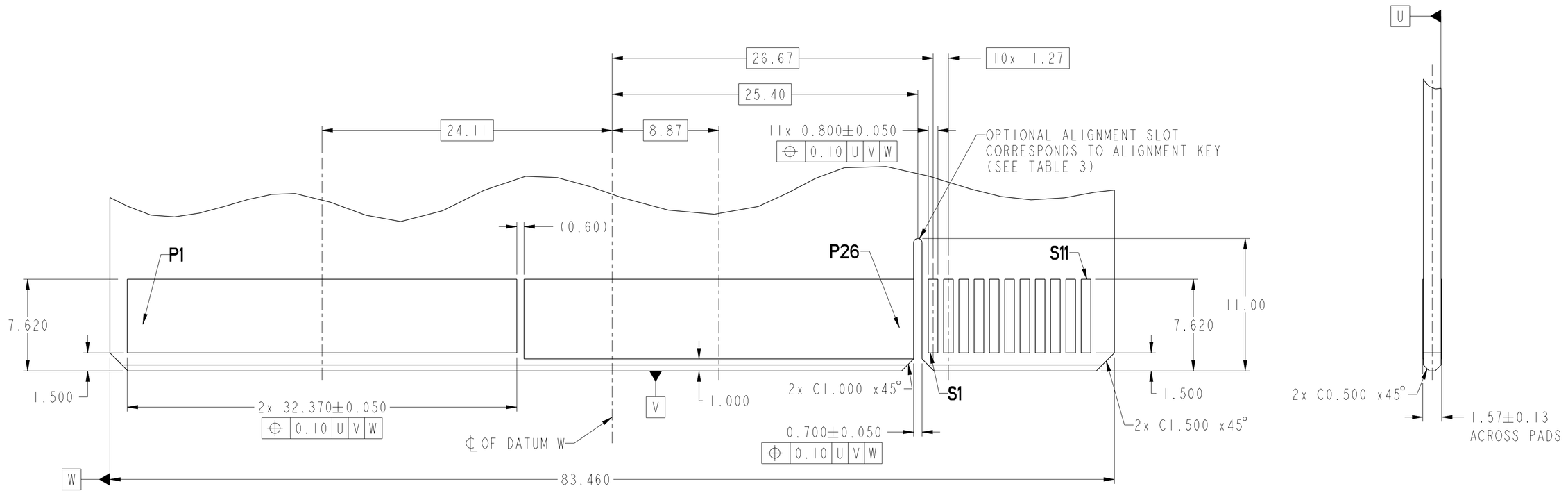
dr	Eric Jiang	2013/05/15	projection	MM	size A2 / scale 4:1
eng	Eric Jiang	2013/06/24			ecn no -
chr	-	-			
appr	Pei-Ming Zheng	2013/06/24	product family: CARD EDGE		rel level: Released

FCI | title: VERT RECT ASM (52P-22S) / HIGH POWER CARD EDGE | dwg no: 10124028 | 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



REFERENCE
PANDEMONIUM POWER SUPPLY BOARD

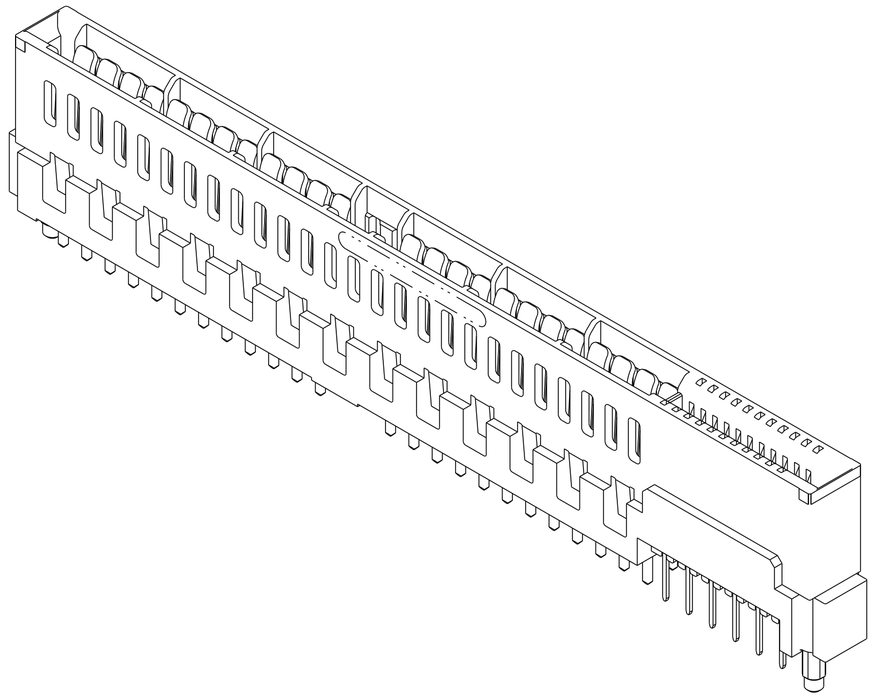
dr	Eric Jiang	2013/05/15	projection	MM	size A2	scale 4:1
eng	Eric Jiang	2013/06/24				
chr	-	-			ecn no	-
appr	Pei-Ming Zheng	2013/06/24	product family	CARD EDGE	rel level	Released
www.fci.com	cat. no. -		Product - Customer Drw		sheet 3 of 4	

title: VERT RECT ASM (52P-22S)
HIGH POWER CARD EDGE

dwg no: 10124028

rev: A

HPCE PART NUMBER (TABLE 3)				
PART NUMBER	TAIL TYPE	ALIGNMENT KEY	DIM "A" TYPICAL TAIL LENGTH	DIM "B" RECOMMENDED BOARD THICKNESS
10124028-001LF	SOLDER	YES	3.17 ±0.25	1.59 - 2.38
10124028-002LF	SOLDER	NO		
10124028-003LF	PRESS-FIT	YES	3.17±0.25	1.57 MIN
10124028-004LF	PRESS-FIT	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
    Ø 2.40 +/- 0.1 FOR PRESS-FIT TAILS
    Ø 2.18 +/- 0.03 FOR SOLDER TAILS

dr	Eric Jiang	2013/05/15	projection	MM	size A2	scale 4:1
eng	Eric Jiang	2013/06/24				
chr	-	-			ecn no	-
appr	Pei-Ming Zheng	2013/06/24	product family	CARD EDGE	rel level	Released

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title: VERT RECT ASM (52P-22S)
HIGH POWER CARD EDGE

dwg no: 10124028

rev: A

cat. no. -

Product - Customer Drw

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