Excellent Integrated System Limited

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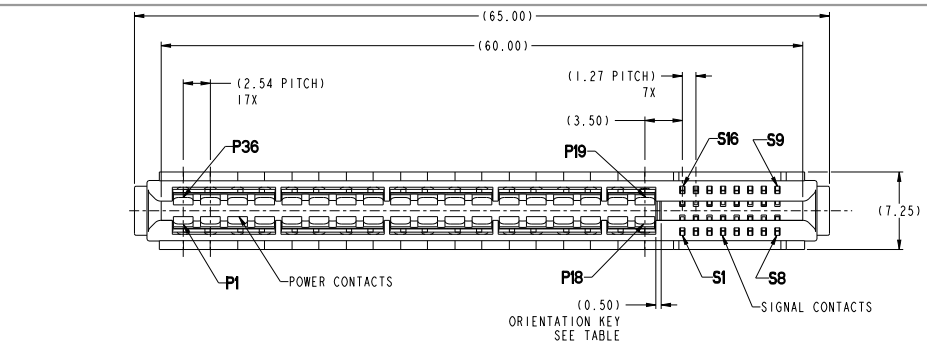
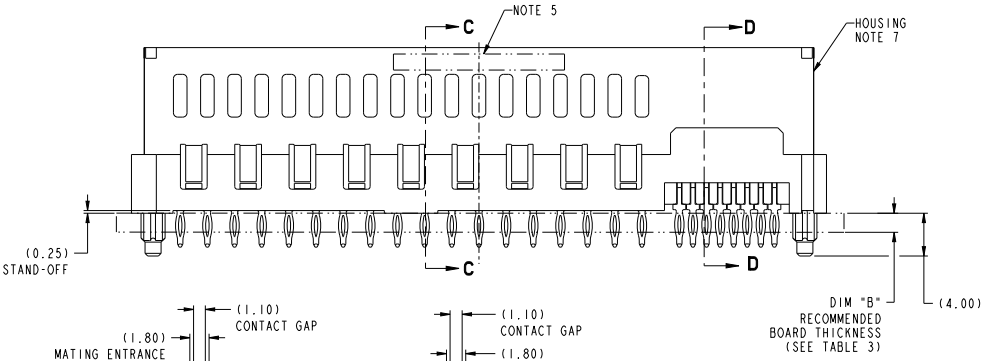
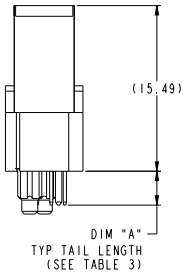
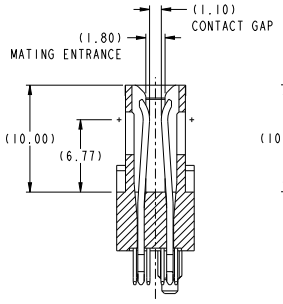
sales@integrated-circuit.com

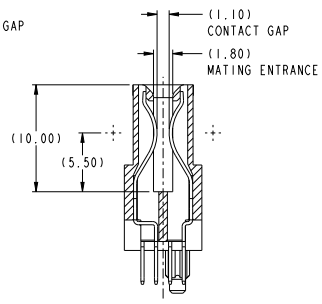








SECTION C-C

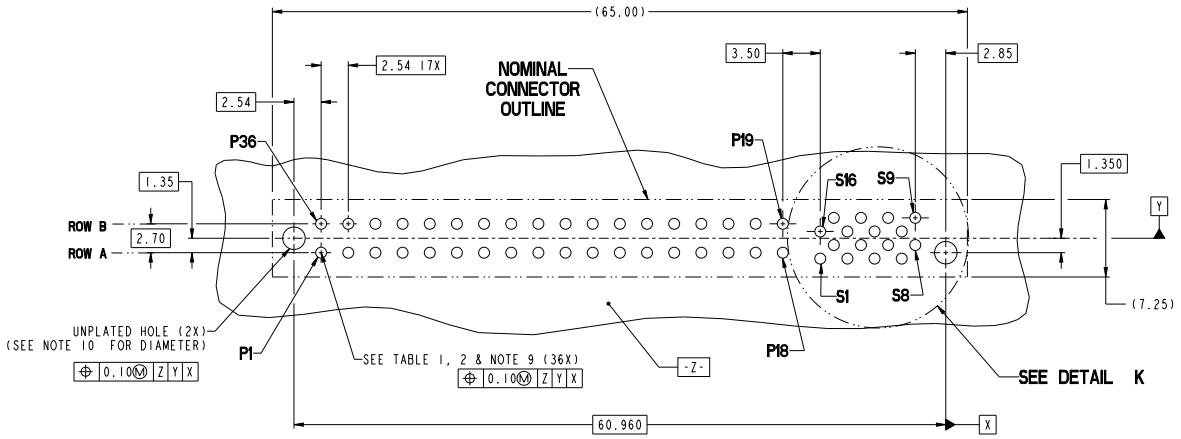


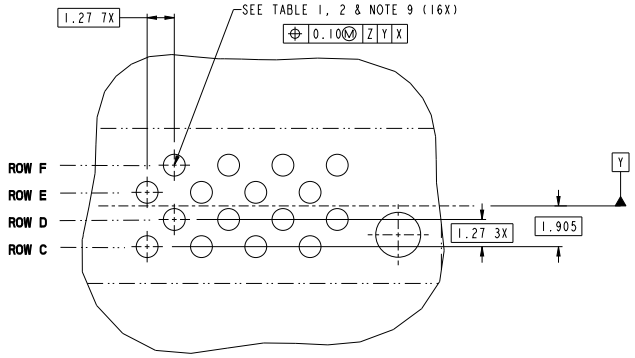
SECTION D-D

rev	ecn no	dr	date
A	-	HZ	2012-01-02

spec ref	-	dr	Wei-Long Zhang	projection	MM	size	scale
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Wei-Long Zhang			A2	4:1
ASME Y14.5	-	chr	-			ecn no	-
surface	linear 0.X ±0.3 / 0.XX ±0.10 / 0.XXX ±0.050	appr	Pei-Ming Zheng	product family	CARD EDGE	rel level	Released
ASME Y14.5	angular 0° ±2°	www.fci.com	cat. no. -	Product - Customer Drw		sheet 1 of 4	

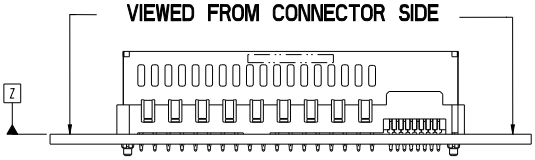
title: VERT RECT (36P-16S) HIGH POWER CARD EDGE
dwg no: 10119601
rev: A





DETAIL K
SCALE 8:1

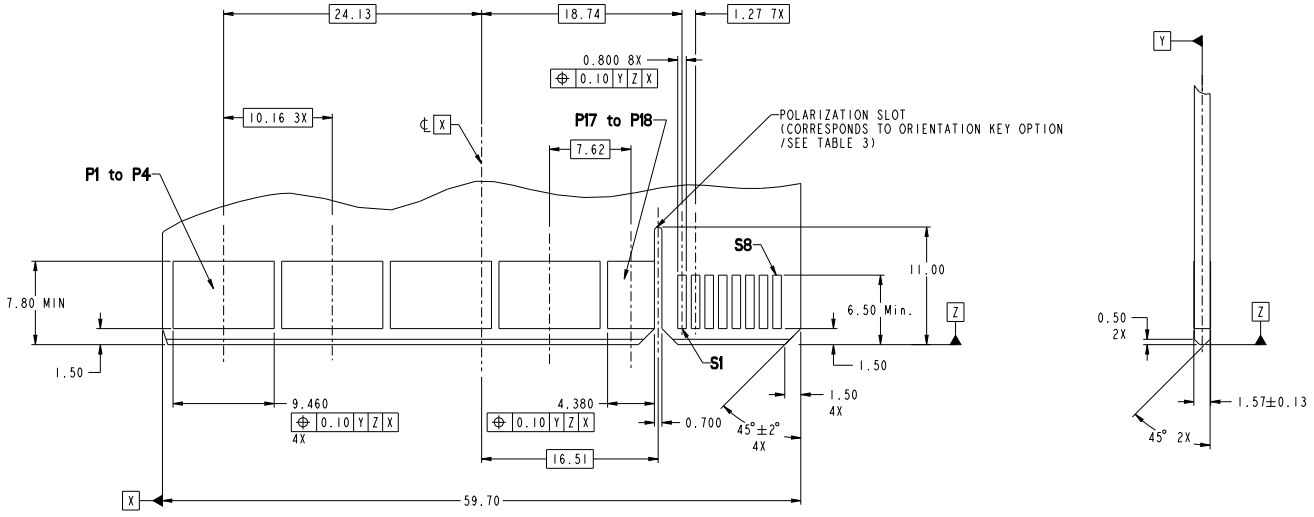
RECOMMENDED PCB LAYOUT
VIEWED FROM CONNECTOR SIDE



dr	Wei-Long Zhang	2011/12/02	projection	MM	size A2	scale 4:1
eng	Wei-Long Zhang	2012/01/03			eco no	
chr	-	-				
appr	Pei-Ming Zhang	2012/01/04	product family	CARD EDGE	rel level	Released
FCI www.fci.com	title	VERT RECT (36P-16S) HIGH POWER CARD EDGE		dwg no	10119601	rev A
	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

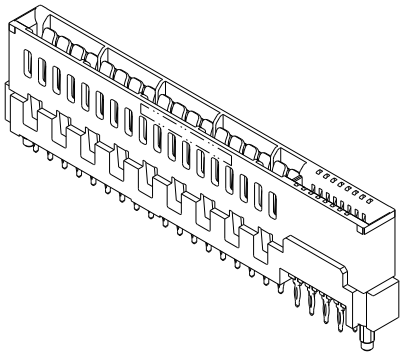


RECOMMENDED MATING BOARD FOOTPRINT

dr	Wei-Long Zhang	2011/12/02	projection	MM	size A2 / scale 4:1
eng	Wei-Long Zhang	2012/01/03			
chr	-	-			eco no -
appr	Pei-Ming Zheng	2012/01/04	product family	CARD EDGE	rel level Released
www.fci.com	cat. no. -		Product - Customer Drw		sheet 3 of 4

title: VERT RECT (36P-16S) HIGH POWER CARD EDGE
dwg no: 10119601
rev: A

HPCE PART NUMBER (TABLE 3)				
PART NUMBER	TAIL TYPE	ORIENTATION KEY	DIM "A" TYPICAL TAIL LENGTH	DIM "B" RECOMMENDED BOARD THICKNESS
10119601-001LF	SOLDER	YES	3.17 ±0.25	1.59 - 2.38
10119601-002LF	SOLDER	NO		
10119601-003LF	PRESS-FIT	YES	3.17 ±0.25	1.57 MIN
10119601-004LF	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 2.10 +/- 0.1 FOR SOLDER TAILS

dr	Wei-Long Zhang	2011/12/02	projection	MM	size A2 / scale 4:1
eng	Wei-Long Zhang	2012/01/03			eco no -
chr	-	-			
appr	Pei-Ming Zhang	2012/01/04	product family: CARD EDGE		rel level: Released
FCI	title: VERT RECT (36P-16S) HIGH POWER CARD EDGE			dwg no: 10119601	rev A
www.fci.com	cat. no. -		Product - Customer Drw		sheet 4 of 4