

## Excellent Integrated System Limited

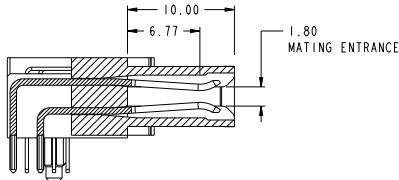
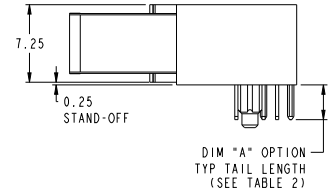
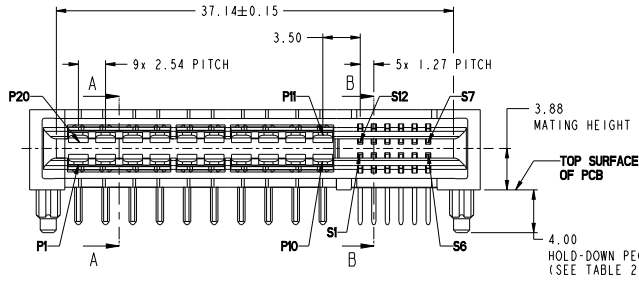
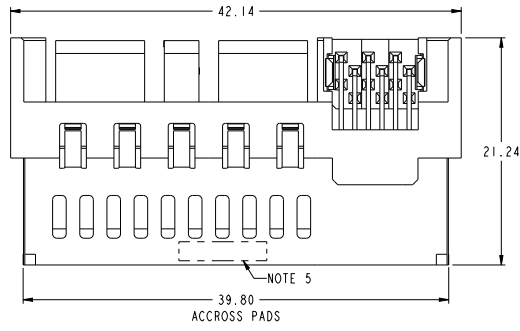
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

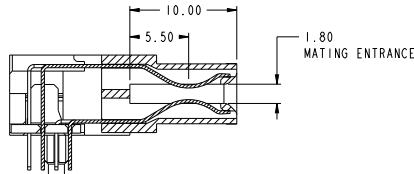
[FCI](#)  
[10123633-003LF](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

A  
B  
C  
D  
E  
F



SECTION A-A  
SCALE 4:1



SECTION B-B  
SCALE 4:1

REV	DR	DATE
A	JULIA WANG	2013-01-09

spec ref	-	dr	Julia Wang	date	20130109	projection	MM	size	A2	scale	d:1
tolerance std	ASME Y14.5	chk	John Chen	app	20130109	product family		rel level		rel level	Released
surface	linear	0.1	±0.5	FCI	R/A RECT (20P-12S)	part no	10123633	rev	A		
ASME Y14.5	angular	0.25	±0.10	www.fci.com	HIGH POWER CARD EDGE	Product	Customer Draw	sheet 1 of 4			

PDS: Rev: A

STATUS: Released

Printed: Jan 10, 2013

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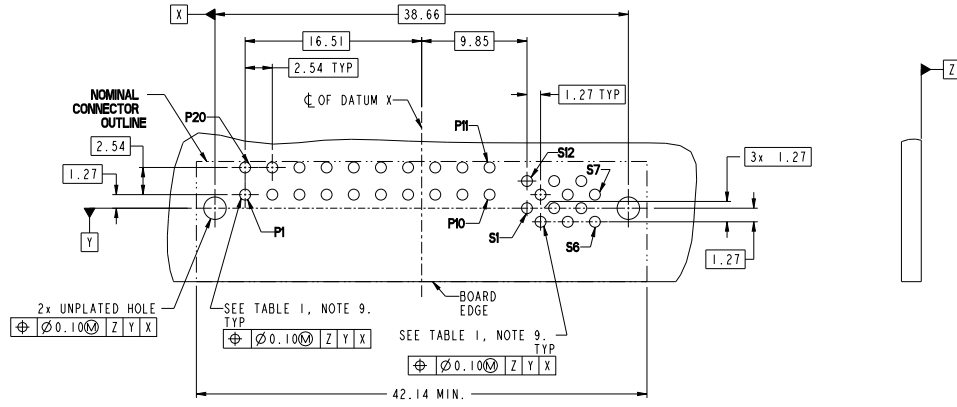
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4

5

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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



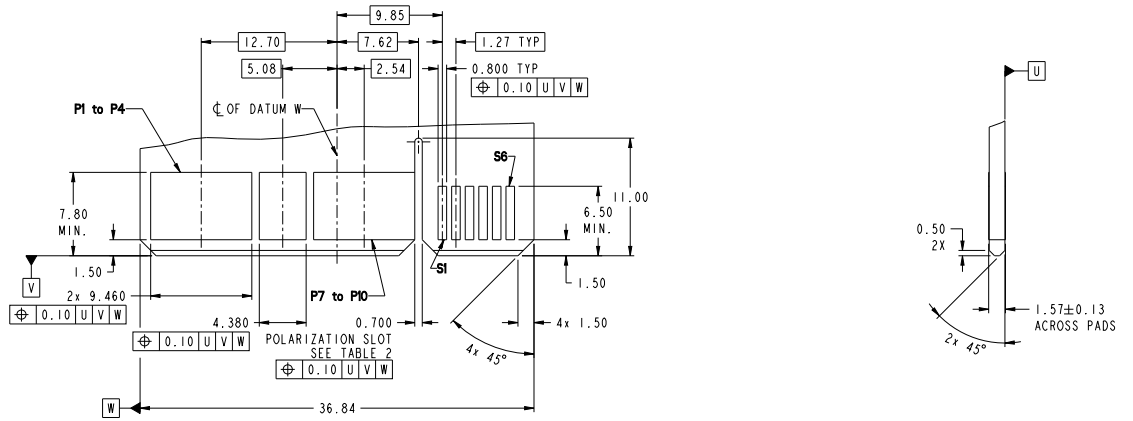
RECOMMENDED PCB LAYOUT

spec ref	-	dr	John Wang	designed by		projection	MM	size	A2	scale	d:1
tolerance std	ASME Y14.5	chkd	John Wang	checked by		product family		acc no		rel level	Released
surface	linear	appr	Pei-Ming Zhang	approved		www.fci.com	cat. no.	10123633		rev	A
ASME Y14.5	angular										

R/A RECT (20P-12S)  
HIGH POWER CARD EDGE

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**RECOMMENDED MATING BOARD FOOT PRINT**

spec ref	-	dr	John Wang	date	20130111	projection	MM	size	A2	scale	1:1
tolerance std	ASME Y14.5	tolerances	unless otherwise specified	chkd	John Wang	20130111		acc no		rel level	Released
surface	linear	0.1	±0.5	FCI	Per-Ming Zhang	20130111	product family				
		0.2X	±0.25				R/A RECT (20P-12S)			10123633	rev
		0.2X	±0.10				HIGH POWER CARD EDGE				A
	angular	0°	±2°	www.fci.com						Product - Customer Draw	sheet 3 of 4

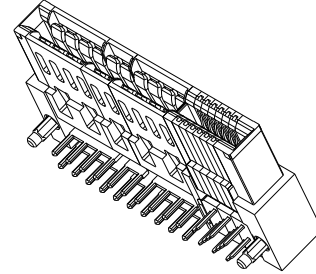
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HPCE PART NUMBER (TABLE 2)

PART NUMBER	TAIL TYPE	HOLD-DOWN OPTION	ORIENTATION KEY	DIM "A" TYPICAL TAIL LENGTH
10123633-001LF	SOLDER TAIL	NO	YES	3.25±0.25
10123633-002LF			NO	
10123633-003LF		YES	YES	
10123633-004LF			NO	
10123633-005LF		NO	YES	2.60±0.25
10123633-006LF			NO	
10123633-007LF		YES	YES	
10123633-008LF			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  
 $\varnothing 2.18 \pm 0.03$  FOR SOLDER TAILS

spec ref	-	dr	John Wang	date	20130111	projection	MM	size	A2	scale	d:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	John Wang	check	20130111	product family		acc no		rel level	Released
ASME Y14.5		chr	John Wang	appr	20130111						
surface	linear	0.1	±0.5	FCI	R/A RECT (20P-12S)						
ASME Y14.5	angular	0.2X	±0.25	www.fci.com	HIGH POWER CARD EDGE						
		0.2X	±0.10								
		0.2	±0.2								

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