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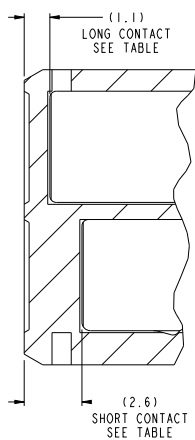
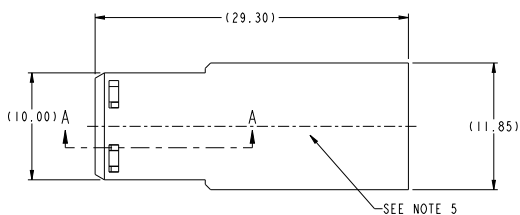
[FCI](#)

[10124620-4444P00LF](#)

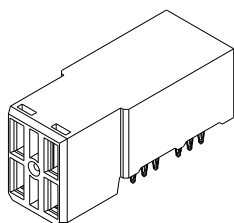
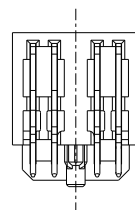
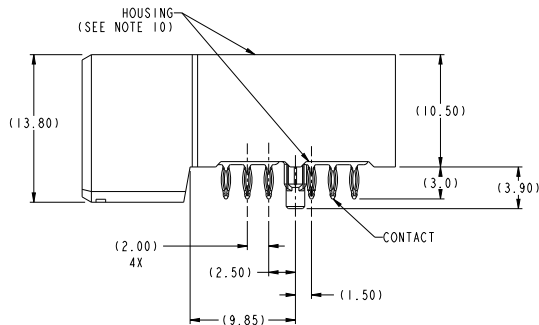
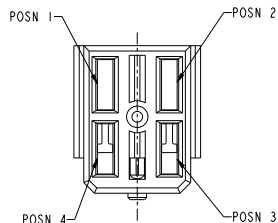
For any questions, you can email us directly:

sales@integrated-circuit.com

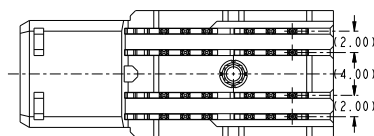
PRODUCT NUMBER ("LF" DENOTES LEAD-FREE)	CONTACT PLATING NOTE	CONTACT DEPTH (SEE SECTION A-A)				ROHS COMPATIBILITY
10124620-4444P00LF	2a	LONG	LONG	LONG	LONG	SEE NOTE 8
10124620-5555P00LF	2a	SHORT	SHORT	SHORT	SHORT	SEE NOTE 8
10124620-4555P00LF	2a	LONG	SHORT	SHORT	SHORT	SEE NOTE 8
10124620-5455P00LF	2a	SHORT	LONG	SHORT	SHORT	SEE NOTE 8
10124620-5545P00LF	2a	SHORT	SHORT	LONG	SHORT	SEE NOTE 8
10124620-5554P00LF	2a	SHORT	SHORT	SHORT	LONG	SEE NOTE 8
10124620-4554P00LF	2a	LONG	SHORT	SHORT	LONG	SEE NOTE 8
10124620-5455P00	2b	SHORT	LONG	SHORT	SHORT	NA



SECTION A-A
SCALE 8:1



SCALE 3:1



spec ref	GS-12-220	dr	Lucretia Rogers	20090907	projection	MM	size	A2	scale	d2:1
tolerance std	ASME Y14.5	eng	Lucretia Rogers	20090907	product family	2mm High Power	rel level	Released	rev	E
surface	linear	0.1	±0.3	0.1X	±0.10	0.1X	±0.050	angular	0°	±2°
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 1 of 2		

PDS: Rev E

STATUS: Released

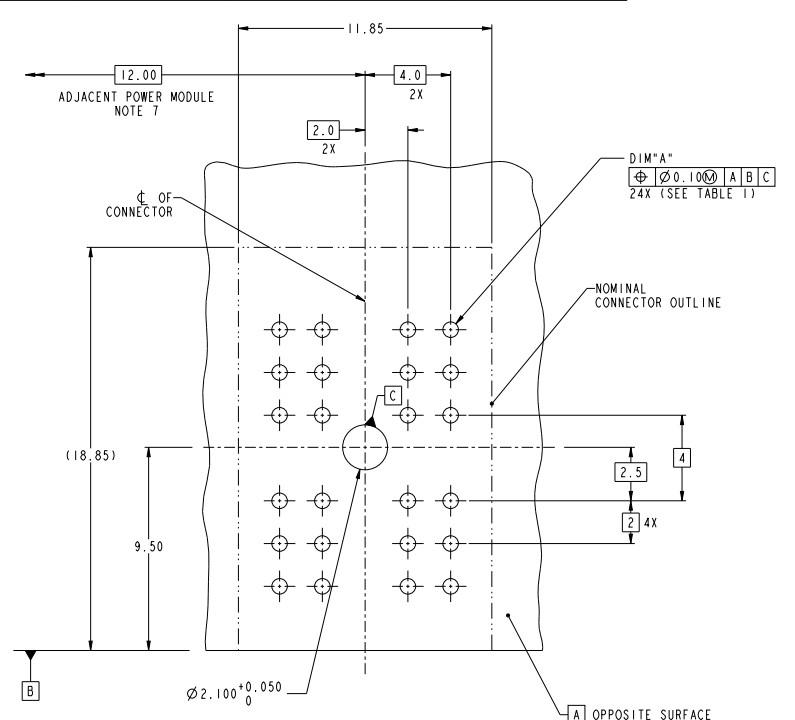
Printed: Aug 18, 2015

TOP LAYER DESCRIPTION	TABLE I PLATED THROUGH-HOLE REQUIREMENTS							
	DRILLED HOLE DIAMETER	COPPER THICKNESS	TIN-LEAD THICKNESS	NICKEL THICKNESS	GOLD THICKNESS	TIN THICKNESS	SILVER THICKNESS	FINISHED HOLE DIAMETER (DIM"A")
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
IMMERSION SILVER	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	--	0.15 - 0.65um	0.70 - 0.80
COPPER (SEE NOTE 11)	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	--	--	--	--	0.70 - 0.80
GOLD	0.81-0.86 (0.85 DRILL)	0.025 - 0.050	--	0.003 - 0.007	FLASH UP TO 0.0002	--	--	0.69 - 0.80

NOTES:

- CONNECTOR MATERIALS:
HOUSING: HIGH TEMPERATURE THERMOPLASTIC, BLACK
UL 94V-0 COMPLIANT
CONTACT: HIGH PERFORMANCE COPPER ALLOY
- a) CONTACT PLATING (LEAD FREE):
PRESS-FIT TAIL MATTE TIN OVER NICKEL.
b) CONTACT PLATING (LEADED):
PRESS-FIT TAIL:TIN-LEAD ALLOY OVER NICKEL

SEPARABLE INTERFACE: 0.76 um MIN GXT OVER NICKEL
- PRODUCT SPECIFICATION: GS-12-220
- APPLICATION SPECIFICATION: GS-20-023
- PRODUCT MARKING (PRODUCT NUMBER & DATE CODE) ON HOUSING IN AREA SHOWN.
- MINIMUM NOMINAL PCB THICKNESS: 1.6mm
- REFER TO CUSTOMER DRAWING 10035911 FOR INFORMATION REGARDING PCB LAYOUT OF POWER AND GUIDE MODULES RELATIVE TO SIGNAL MODULES.
- PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN FCI SPECIFICATION GS-22-008.
- PACKAGING MEETS FCI SPECIFICATION GS-14-920.
- HOUSING COMPONENT WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 60 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
- COPPER PLATING THICKNESS IN CENTER OF VIA-HOLE CAN BE NO MORE THAN 0.003 LESS THAN OTHER AREAS.
- A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION



RECOMMENDED PCB LAYOUT
COMPONENT SIDE NOTE 6 SCALE
4:1

spec. ref.	GS-12-220	dr.	Lucretia Nigam	20080907	projection	MM	size	A2	scale	1:1
tolerance std.	ASME Y14.5	eng.	Shirley Chen	20080907	chr.		product family	2mm High Power	rel. level	Released
		appr.	Wei Wang Zhang	20080907						
surface	linear	0.1	±0.3	FCI	title	R/A RECEPTACLE ASSY 2X2	deg	10124620	rev	E
	angular	0.1X	±0.10	www.fci.com	col. no.	AirMax Power				
		0.1X	±0.050							
		0"	±2"							

PDS: Rev E STATUS: Released Printed: Aug 18, 2015