Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

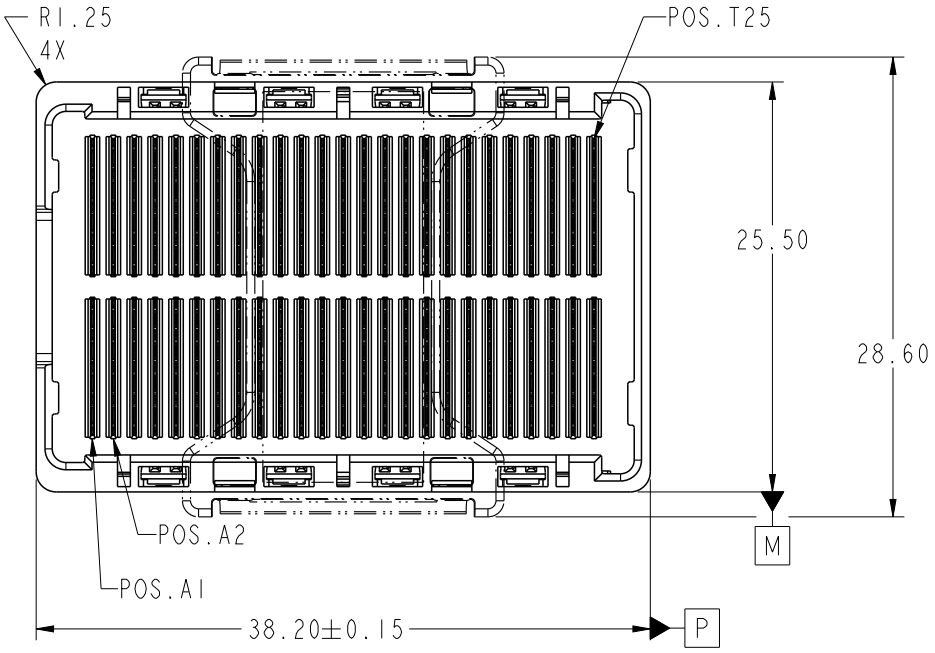
With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

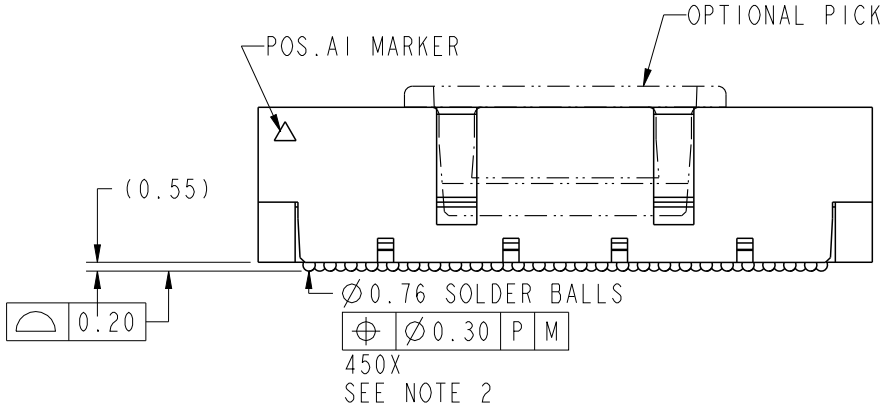
We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

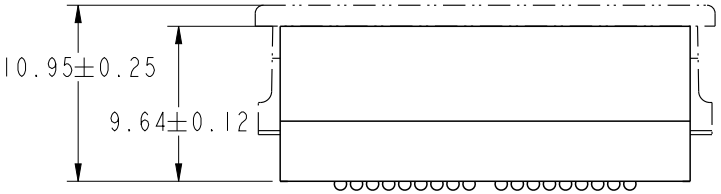
Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

rev	ecn no	dr	date
A	V06-0001	DAI	2006-01-10
B	V06-0109	LP	2006-04-21
C	V06-0558	LP	2006-06-12
D	V08-0329	SM	2008-11-15







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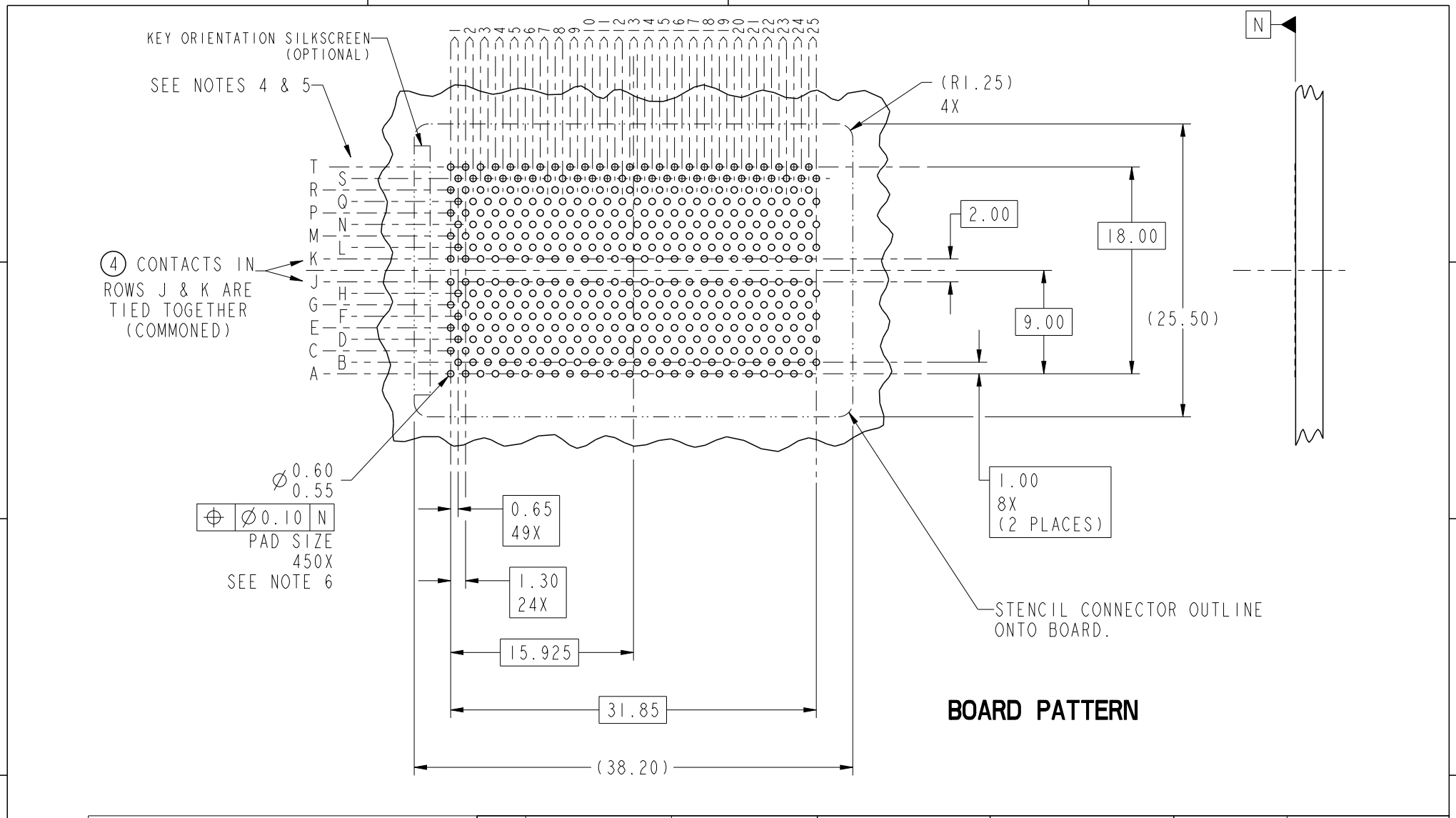
spec ref	-			dr	Bill Lin	2010/02/02	projection
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Nickor Zuo	2011/06/09	mm
ASME Y14.5 -				chr	Alex Cao	2011/06/24	size A4 / scale 3:10
				appr	Pei-Ming Zheng	2011/06/27	ecn no ELX-DG-003943-1
							product family GIG-Array / rel level Released
surface	linear	0.X	±0.30	FCI	title	GIG-Array	dwg no 55737 / rev E
		0.XX	±0.10			10mm PLUG ASSY. 200 SIG. POS.	
-		0.XXX	±0.05	www.fci.com	cat. no.	Product - Customer Drw	sheet 1 of 5
	angular	0°	±2°				

Pro/E File - REV C - 2009-06-09



BOARD PATTERN

spec ref -		dr	Bill Lin	2010/02/02	projection	mm	size A4 / scale 21:10
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Nickor Zuo	2011/06/09			ecn no ELX-DG-003943-1
		chr	Alex Cao	2011/06/24			
		appr	Pei-Ming Zheng	2011/06/27	product family	GIG-Array	rel level Released

surface √ -	linear	0.X	±0.30	FCi www.fci.com	title GIG-Array 10mm PLUG ASSY. 200 SIG. POS.	dwg no 55737	rev E
		0.XX	±0.10				
		0.XXX	±0.05				
	angular	0°	±2°		cat. no.	Product - Customer Drw	sheet 2 of 5

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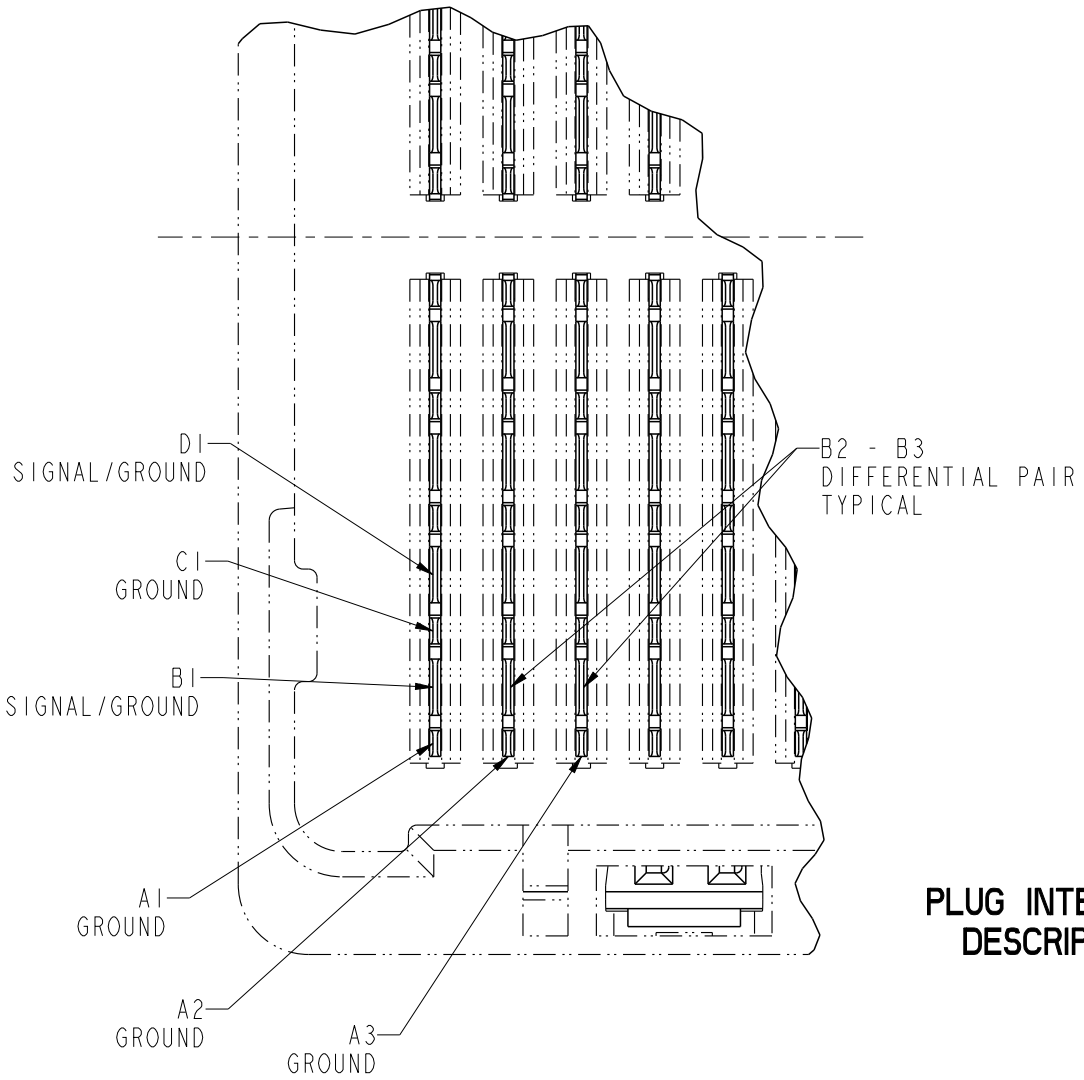
Pro/E File - REV C - 2009-06-09



PLUG INTERFACE DESCRIPTION

spec ref	-		dr	Bill Lin	2010/02/02	projection	mm
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Nickor Zuo	2011/06/09		
ASME Y14.5 -			chr	Alex Cao	2011/06/24		
			appr	Pei-Ming Zheng	2011/06/27	product family	GIG-Array
surface	linear	0.X ±0.30	FCI	title	GIG-Array	dwg no	55737
		0.XX ±0.10			10mm PLUG ASSY. 200 SIG. POS.		rev E
-		0.XXX ±0.05					
	angular	0° ±2°	www.fci.com	cat. no.	Product - Customer Drw		sheet 3 of 5

size A4 | scale 3:10 | ecn no ELX-DG-003943-1 | rel level Released

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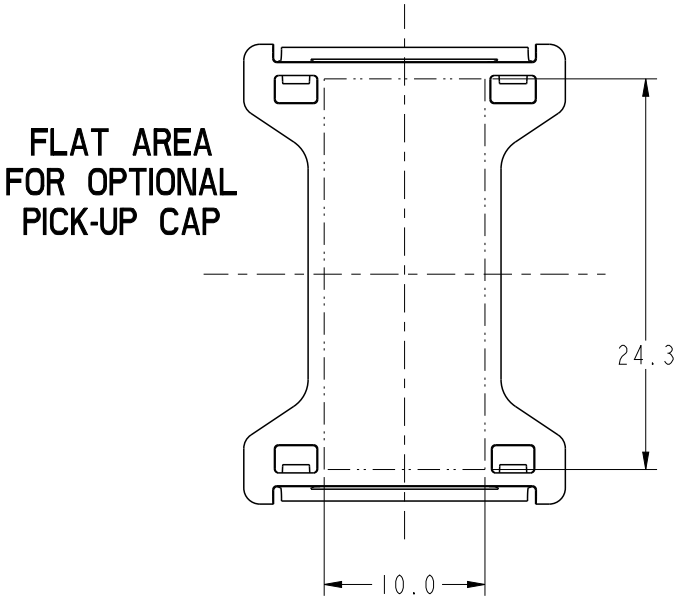

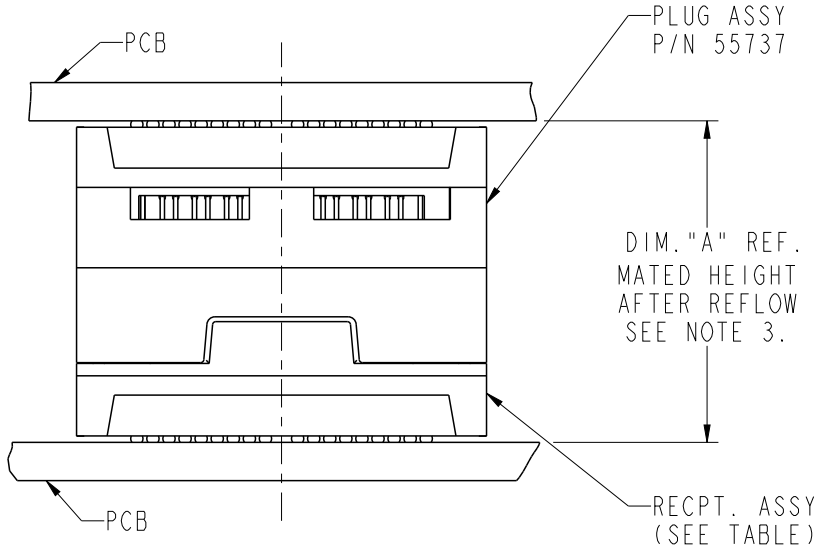

END VIEW OF MATED CONNECTORS

DIM."A"	RECPT. ASSY. P/N
15	55740
20	10026010
25	55741

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spec ref	-	dr	Bill Lin	2010/02/02	projection	mm	size A4 / scale 3:10
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Nickor Zuo	2011/06/09			ecn no ELX-DG-003943-1
		chr	Alex Cao	2011/06/24			
		appr	Pei-Ming Zheng	2011/06/27	product family GIG-Array		rel level Released
surface ✓ -	linear 0.X ±0.30 / 0.XX ±0.10 / 0.XXX ±0.05	FCI	title GIG-Array 10mm PLUG ASSY. 200 SIG. POS.		dwg no 55737		rev E
	angular 0° ±2°	www.fci.com	cat. no.		Product - Customer Drw		sheet 4 of 5

Pro/E File - REV C - 2009-06-09

PRODUCT NUMBER	SOLDER BALL COMPOSITION	CONTACT PLATING PERFORMANCE LEVEL
55737-001	STANDARD (EUTECTIC)	PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-192, INCLUDING TELCORDIA CENTRAL OFFICE
55737-001LF	LEADFREE	
55737-201	STANDARD (EUTECTIC)	Au over Ni
55737-201LF	LEADFREE	

NOTES:

(1) MAT'L:
HOUSING: LCP
CONTACT: COPPER ALLOY
PLATING (CONTACT): Au OVER Ni.
UL RATING: 94 V-O
SOLDERBALL: (SEE TABLE) EUTECTIC
SnPb OR LEAD FREE 95.5 Sn/4Ag/0.5Cu.

(2) SOLDER BALLS WILL NOT BE PERFECT SHPERICAL SHAPE DUE TO REFLOW ATTACHMENT.

(3) MATED HEIGHT EFFECTED BY CUSTOMERS' PCB PAD SIZE, PLATING, SOLDER REFLOW PROFILE & SOLDER PASTE.

(4) CONTACTS IN ROWS A,C,E,G,J,K,M,P,R AND T ARE SINGLE BEAM CONTACTS, TYPICALLY USED AS GROUND PINS. (NOTE: CONTACTS IN ROWS J & K ARE TIED TOGETHER [COMMONED])

(5) CONTACTS IN ROWS B,D,F,H,L,N,Q AND S ARE DUAL BEAM CONTACTS, TYPICALLY USED AS SIGNAL PINS.

(6.) SPECIFIED POSITIONAL TOLERANCE DEFINES PAD TO PAD LOCATION WITHIN LAND PATTERN. POSITIONAL TOLERANCE OF LAND PATTERN TO FUDICIAL MARKS OR PCB DATUMS SHALL BE DEFINED BY CUSTOMER. FOR RECOMMENDED PRODUCT APPLICATION AND PCB DESIGN DETAILS, SEE DOC. NO. GS-20-016.

(7.) FOR PROPER APPLICATION FOLLOW FCI APPLICATION SPECIFICATION GS-20-033. LEAD FREE SOLDER BALLS WILL NOT SOLDER PROPERLY IN A LEADED SOLDER PROCESS DUE TO A HIGHER REFLOW TEMPERATURE. LEADFREE PRODUCT IS THEREFORE NOT BACKWARDS COMPATIBLE WITH LEADED OR SOME SOLDERING APPLICATIONS. REFERENCE FCI APPLICATION SPECIFICATION.

(8.) THIS PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008. PRODUCT MEETING THIS DIRECTIVE IS INDENTIFIED IN THE CODE NUMBER MARKED ON EACH PART BY HAVING AN "X" IN THE SEVENTH CHARACTER POSTION.

Copyright FCI.

spec ref	-		dr	Bill Lin	2010/02/02	projection	mm
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Nickor Zuo	2011/06/09	size A4	scale 3:10
ASME Y14.5 -			chr	Alex Cao	2011/06/24	ecn no	ELX-DG-003943-1
			appr	Pei-Ming Zheng	2011/06/27	product family	GIG-Array
surface	linear	0.X ±0.30				rel level	Released
		0.XX ±0.10					
		0.XXX ±0.05					
-	angular	0° ±2°	www.fci.com				

title	GIG-Array 10mm PLUG ASSY. 200 SIG. POS.	dwg no 55737	rev E
cat. no.	Product - Customer Drw		sheet 5 of 5