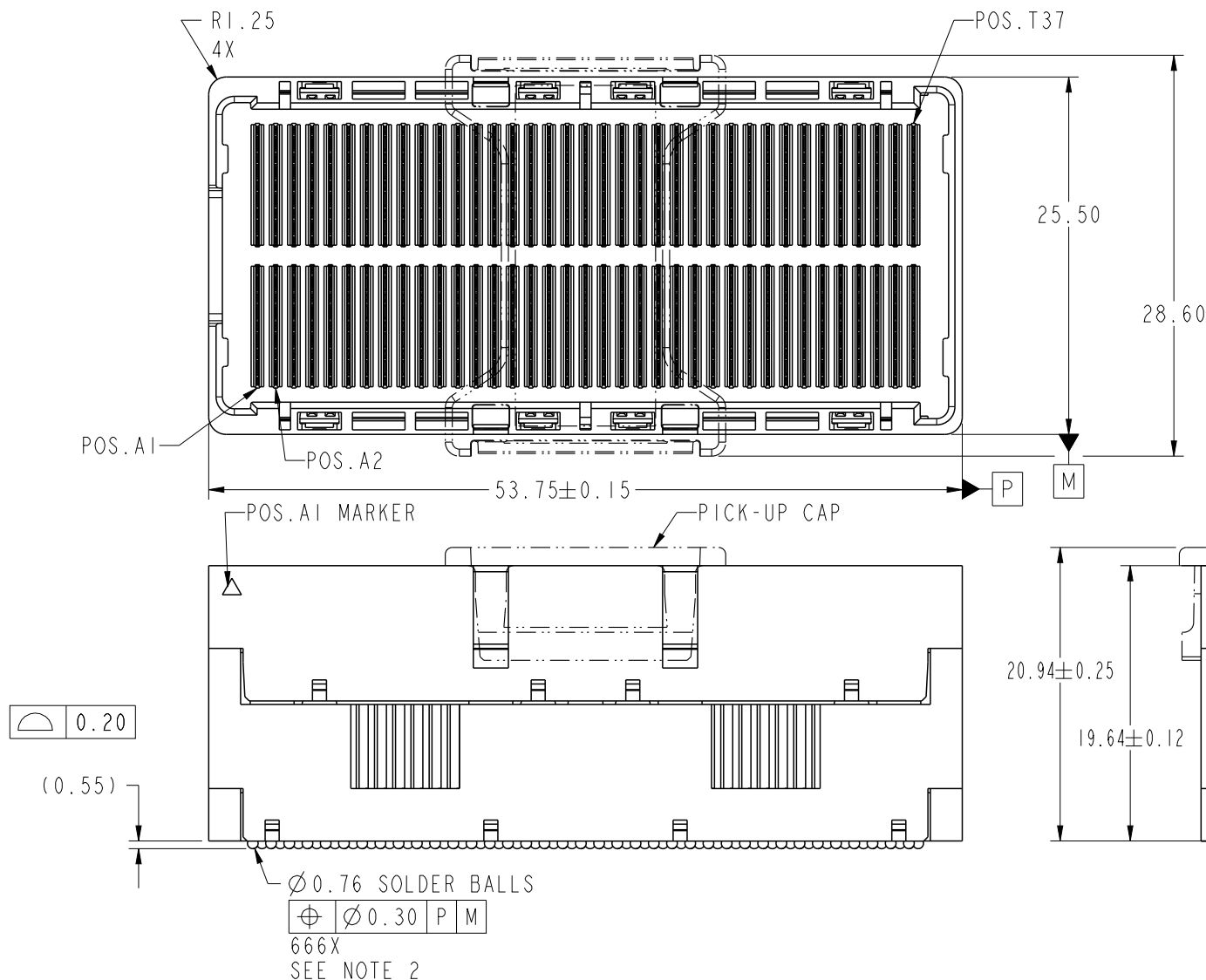


rev	ecn no	dr	date
C	V03-0663	TAB	2003-06-12
D	V05-0052	VS	2005-10-14
E	V06-0558	LP	2006-07-13
F	V07-0418	LP	2007-06-19
G	V08-0329	SM	2008-11-14



spec ref		*		dr		Bill Lin	2010/02/02	projection				size		A4	scale		1:1						
tolerance std		ASME Y14.5		eng		Nickor Zuo	2011/05/26					ecn no		ELX-DG-003943-1									
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Alex Cao	2011/06/24	rel level						Released											
		appr		Pei-Ming Zheng	2011/06/27	product family						GIG-Array											
surface		✓		linear		0.X		±0.30				title		GIG-Array		dwg no		55727		rev		H	
				0.XX		±0.10		20mm PLUG ASSY. 296 SIG. POS.															
				0.XXX		±0.05																	
-		angular		0°		±2°		www.fci.com		cat. no.		Product - Customer Drw				sheet 1 of 5							

ProjE File - REV C - 2009-06-09

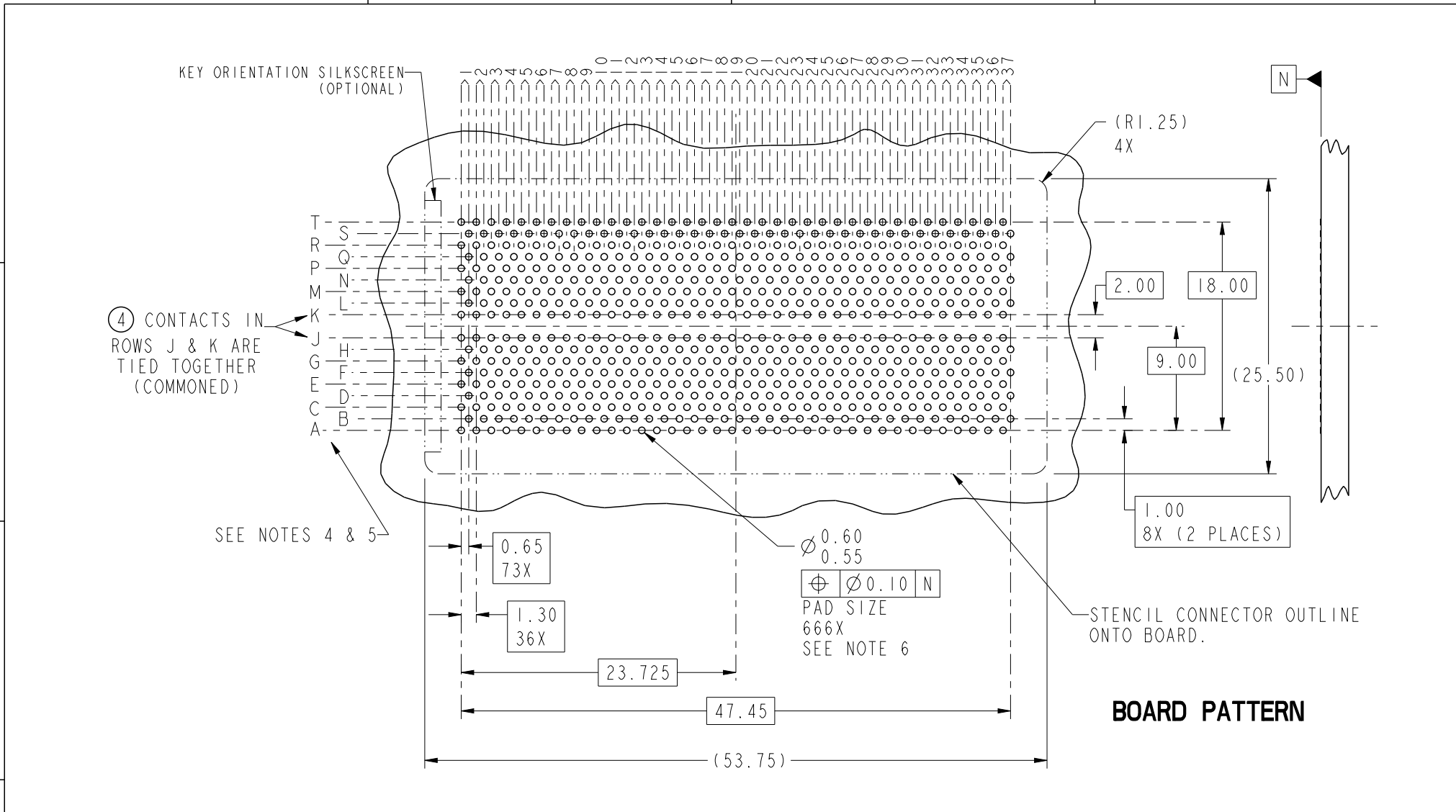
PDS: Rev :H

STATUS:Released

Printed: Jun 27, 2011



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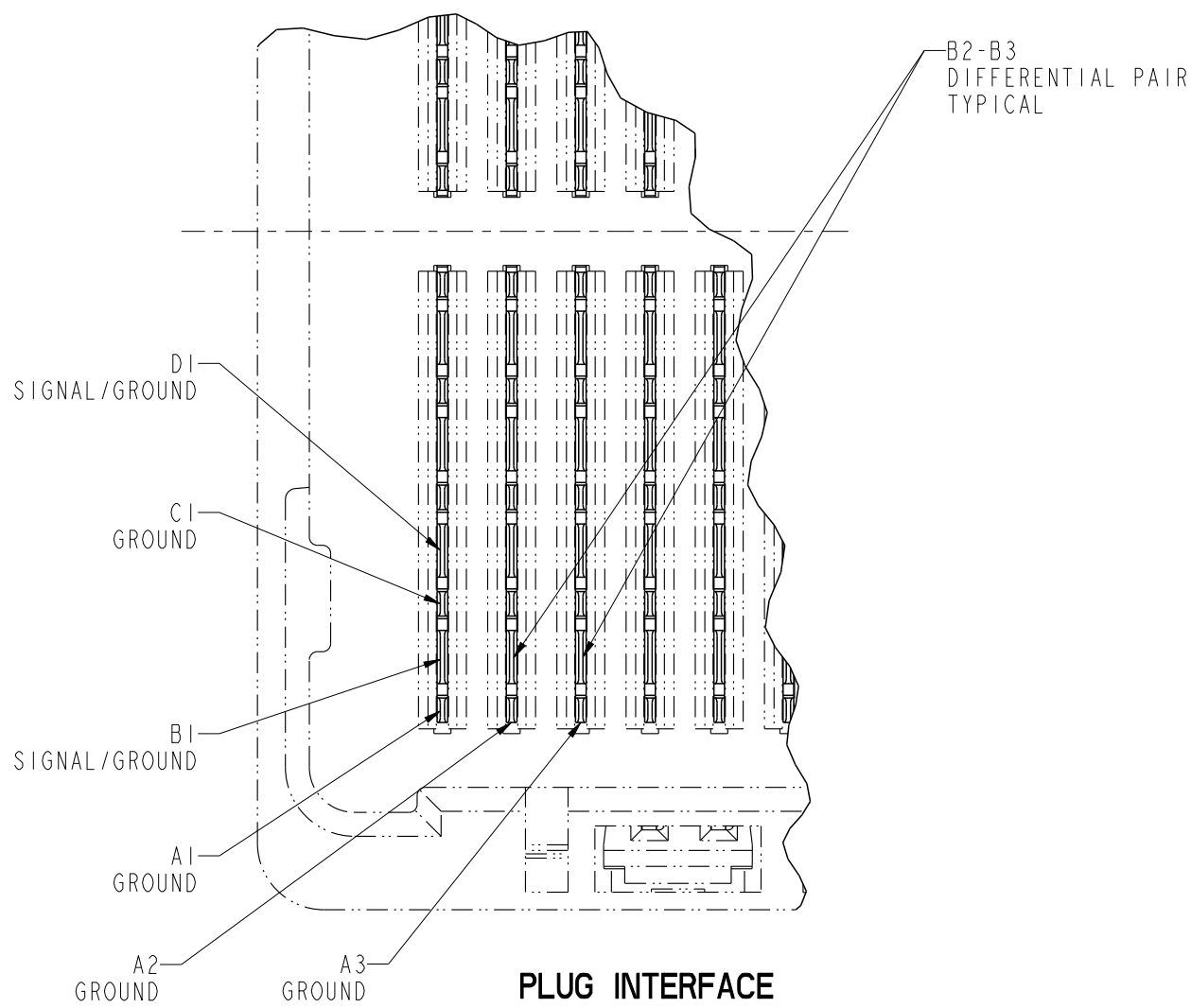


spec ref		*		dr		Bill Lin	2010/02/02	projection	mm	size	A4	scale	1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Nickor Zuo	2011/05/26			ecn no		ELX-DG-003943-1		
ASME Y14.5				chr		Alex Cao	2011/06/24			rel level		Released		
-				appr		Pei-Ming Zheng	2011/06/27			product family		GIG-Array		
surface		✓	linear	0.X	±0.30		title	GIG-Array		dwg no	55727		rev	H
	0.XX			±0.10										
	0.XXX			±0.05										
-		angular	0°	±2°	www.fci.com		cat. no.		Product - Customer Drw			sheet 2 of 5		

PrintE File - REV C - 2009-06-09



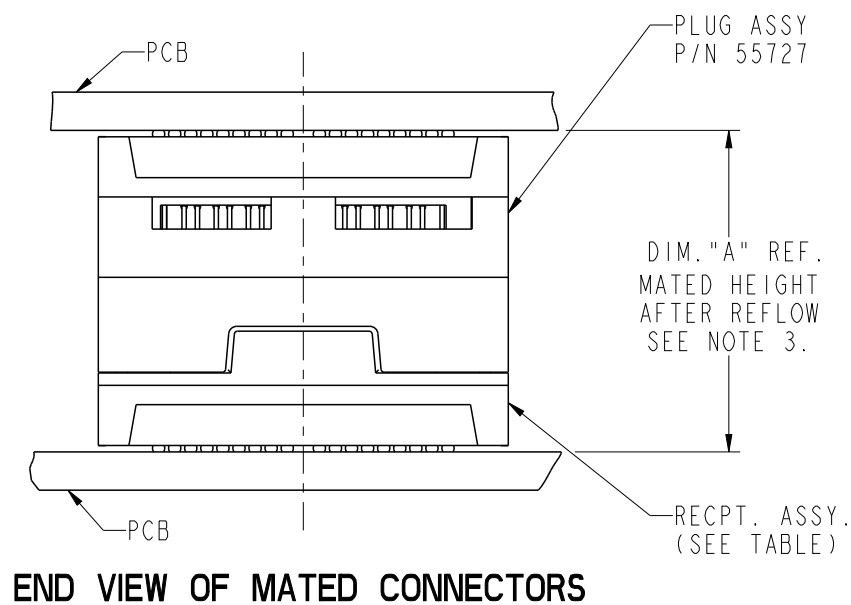
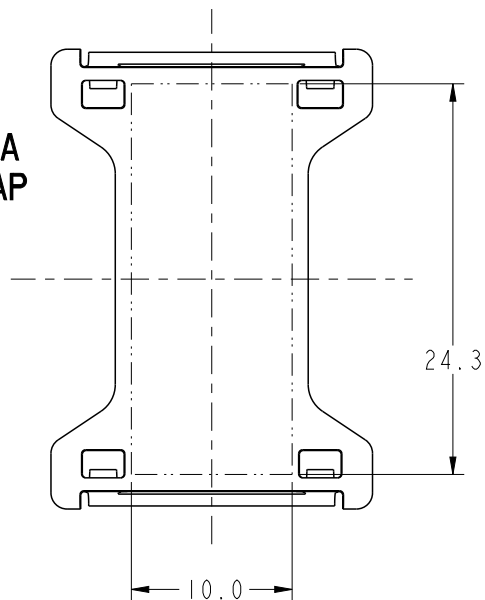
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PLUG INTERFACE DESCRIPTION

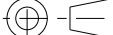
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tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng Nickor Zuo 2011/05/26				ecn no ELX-DG-003943-1	
				chr Alex Cao 2011/06/24					
				appr Pei-Ming Zheng 2011/06/27				product family GIG-Array	
						rel level Released			
surface	linear	0.X	±0.30		title GIG-Array 20mm PLUG ASSY. 296 SIG. POS.	dwg no 55727	rev H		
		0.XX	±0.10						
		0.XXX	±0.05						
	angular	0°	±2°						www.fci.com

FLAT AREA
PICK-UP CAP



END VIEW OF MATED CONNECTORS

DIM. "A"	RECPT. ASSY. P/N
25	55701
35	55733

spec ref		*		dr		Bill Lin	2010/02/02	projection				mm		size		A4	scale		1:1				
tolerance std		ASME Y14.5		eng		Nickor Zuo	2011/05/26			ecn no		ELX-DG-003943-1		rel level		Released							
-		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Alex Cao	2011/06/24																
				appr		Pei-Ming Zheng	2011/06/27					product family				GIG-Array							
surface		✓		linear		0.X		±0.30				title		GIG-Array		dwg no		55727		rev		H	
				0.XX		±0.10																	
				0.XXX		±0.05																	
-				angular		0°		±2°		www.fci.com		cat. no.		Product - Customer Drw		sheet 4 of 5							



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1		2	3	4
PRODUCT NUMBER		SOLDER BALL COMPOSITION	CONTACT PLATING PERFORMANCE LEVEL	
55727-001		STANDARD (EUTECTIC)	PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-192, INCLUDING TELCORDIA CENTRAL OFFICE	
55727-001LF		LEADFREE		

NOTES:

- ① MATERIAL:
HOUSING: LCP
CONTACT: COPPER ALLOY
PLATING (CONTACT): SEE TABLE
UL RATING: 94 V-0
SOLDER BALL: (SEE TABLE) EUTECTIC SnPb OR LEADFREE 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 LEADFREE 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 WITH THIS DIRECTIVE IS IDENTIFIED IN THE LOT CODE NUMBER MARKED ON EACH PART BY HAVING AN "X" IN THE SEVENTH CHARACTER POSITION.

spec ref		*		dr		Bill Lin	2010/02/02	projection	mm	size	A4	scale	1:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Nickor Zuo	2011/05/26	ecn no			ELX-DG-003943-1				
				chr	Alex Cao	2011/06/24								
ASME Y14.5				appr	Pei-Ming Zheng	2011/06/27	product family			GIG-Array		rel level		Released
-														
surface	✓	linear	0.X	±0.30	FCi	title			GIG-Array	dwg no	55727		rev	H
			0.XX	±0.10										
			0.XXX	±0.05										
-		angular	0°	±2°	www.fci.com	cat. no.		Product - Customer Drw			sheet 5 of 5			

Mouser Electronics

Authorized Distributor

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