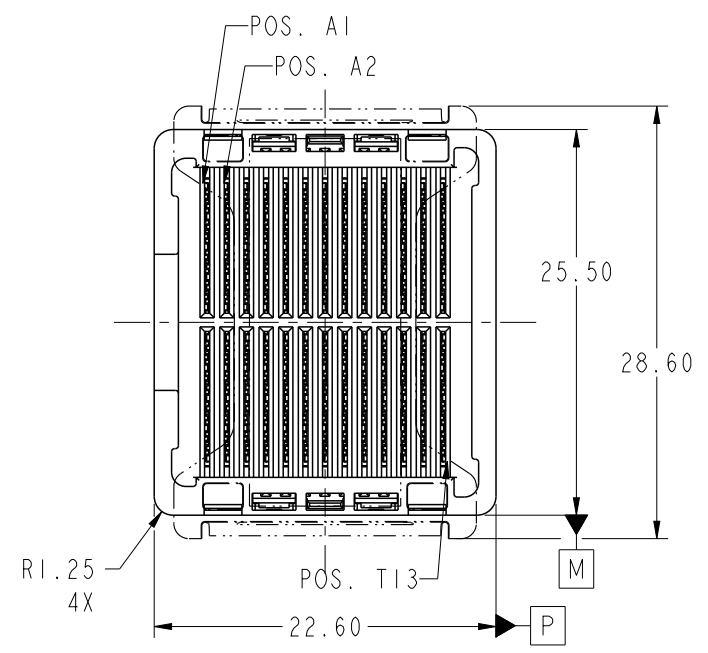
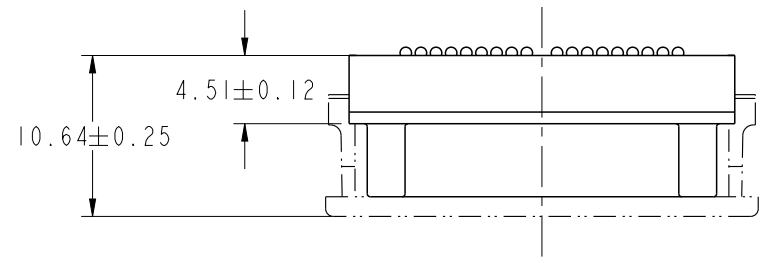
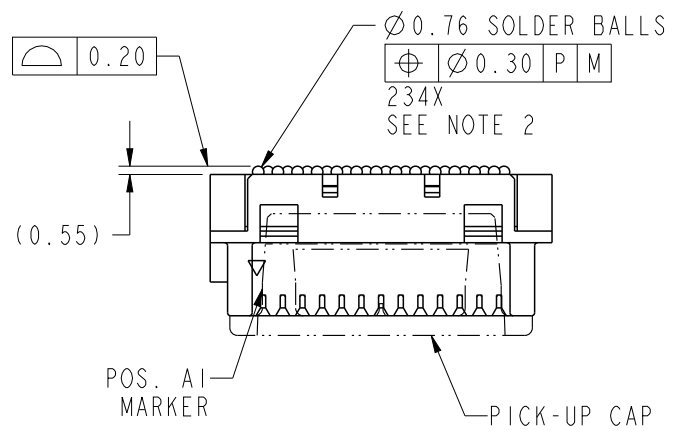
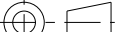





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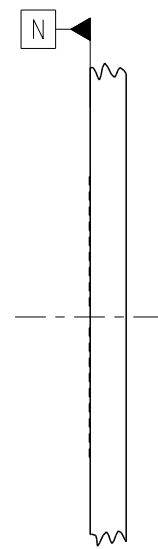
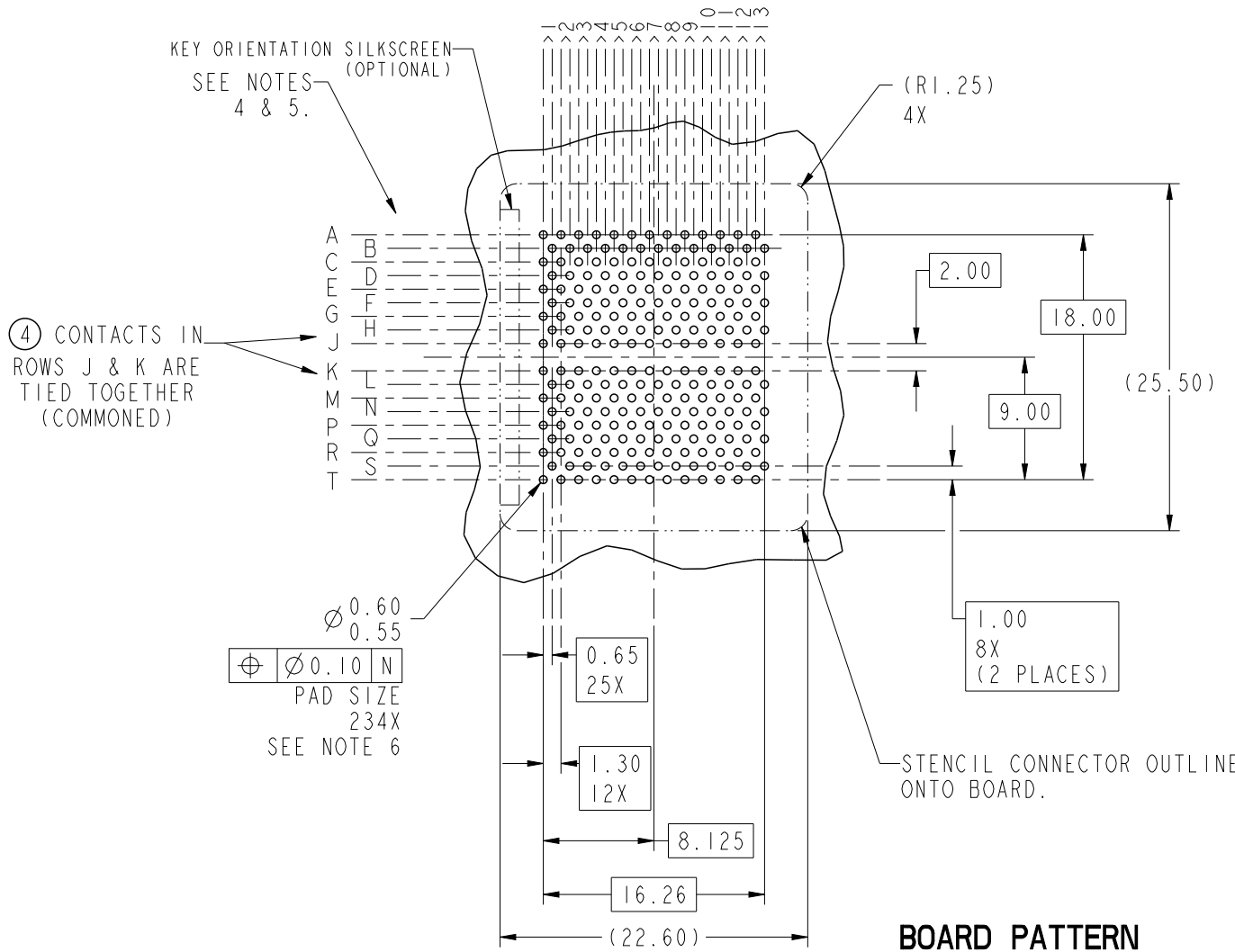


spec ref				dr		Tao Zhan	2012/11/14	projection		<div>MM</div> <div>←————→</div>	size		A4	scale		2:1									
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Sky Chen	2013/10/17	<div></div>	ecn no						-										
				chr		-																			
									appr		Pei-Ming Zheng		2013/10/17	product family				GIG-Array		rel level		Released			
surface		linear	0.X		±0.30		<div></div>	title				GIG-Array				dwg no		10014370				rev		A	
			0.XX		±0.20																				
			0.XXX		±0.10																				
		angular		0°		±2°		www.fci.com		cat. no.				Product - Customer Drw				sheet 1 of 4							

PrintE File - REV C - 2009-06-09

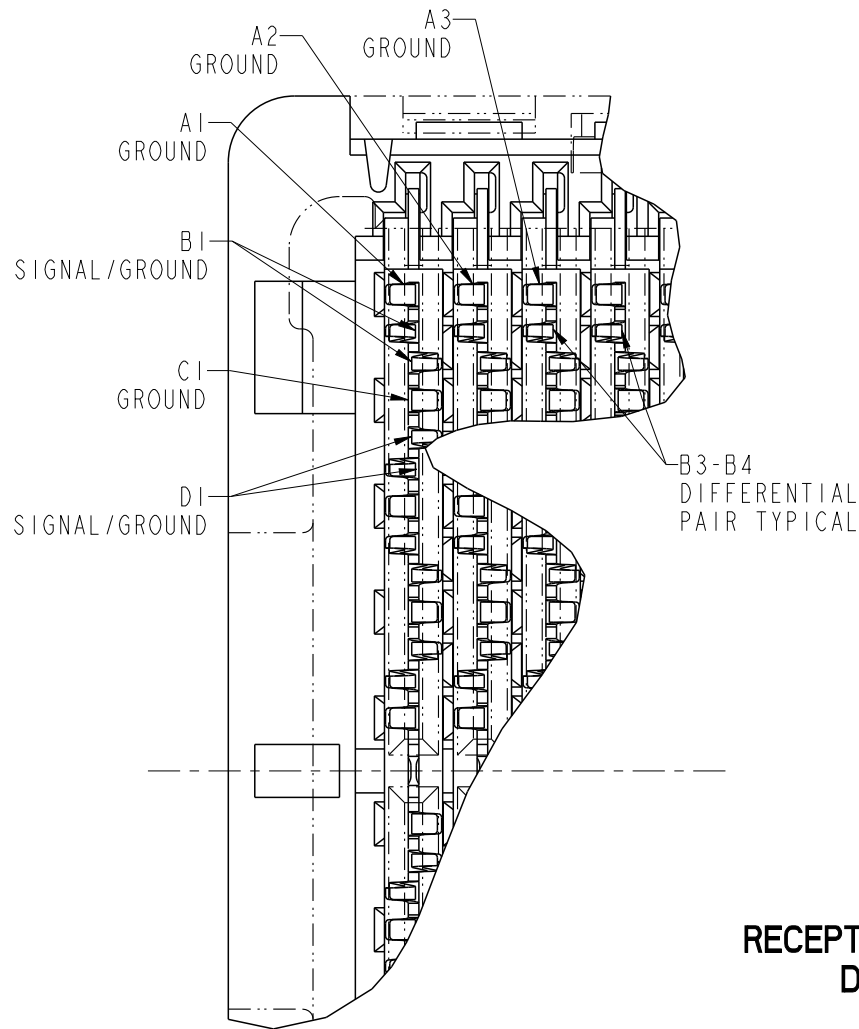


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### BOARD PATTERN

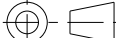



spec ref				dr		Tao Zhan	2012/11/14	projection		MM		size		A4	scale		2:1														
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng		Sky Chen	2013/10/17					ecn no				-													
						chr		-	-																						
						appr		Pei-Ming Zheng	2013/10/17											product family				GIG-Array				rel level			
surface				linear		0.X		±0.30				title		GIG-Array		5mm		RECP. ASSY. 104 SIG. POS.		dwg no		10014370		rev		A					
																												0.XX		±0.20	
																												0.XXX		±0.10	
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						www.fci.com		cat. no.		Product - Customer Drw				sheet 2 of 4																	



# NOTES:

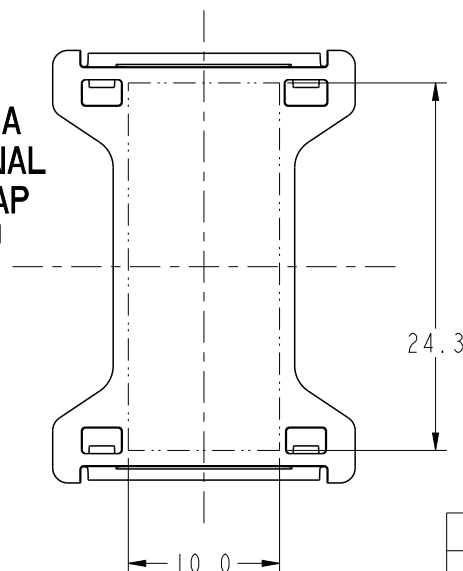
- ① MATERIAL:  
HOUSING: LCP  
UL RATING: 94 V-0  
CONTACT: COPPER ALLOY  
PLATING (CONTACT): Au OVER Ni.  
SOLDERBALL: (SEE TABLE) EUTECTIC  
SnPb OR LEAD FREE 95.5 Sn/4Ag/0.5Cu.
- ② SOLDER BALLS WILL NOT BE PERFECT  
SHPERICAL SHAPE DUE TO REFLOW ATTACHMENT.
- ③ MATED HEIGHT EFFECTED BY CUSTOMERS'  
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.

## RECEPTACLE INTERFACE DESCRIPTION

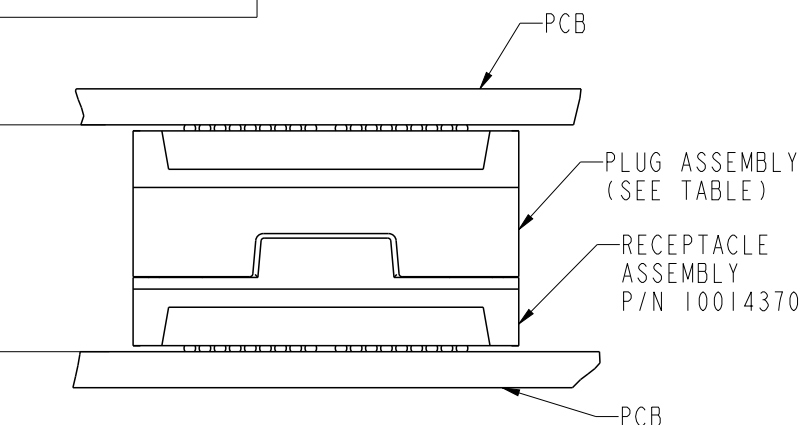
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tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sky Chen	2013/10/17			ecn no				-
				chr	-	-							
				appr	Pei-Ming Zheng	2013/10/17			product family		GIG-Array	rel level	
surface 	linear	0.X	±0.30		title				GIG-Array	dwg no	10014370	rev	A
		0.XX	±0.20										
		0.XXX	±0.10										
	angular	0°	±2°	www.fci.com	cat. no.			Product - Customer Drw			sheet 3 of 4		

PRODUCT NUMBER	SOLDER BALL COMPOSITION	CONTACT PLATING PERFORMANCE LEVEL
10014370-001	STAND (EUTECTIC)	PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-192, INCLUDING TELCORDIA CENTRAL OFFICE  Au OVER Ni
10014370-001LF	LEADFREE	
10014370-201	STAND (EUTECTIC)	
10014370-201LF	LEADFREE	

FLAT AREA  
FOR OPTIONAL  
PICK-UP CAP  
SCALE 2:1



DIM "A" REF.  
MATED HEIGHT  
AFTER REFLOW  
SEE NOTE 3.



## END VIEW OF MATED CONNECTORS

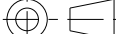



SCALE 2:1

DIM "A"	PLUG PART NUMBER
20	10098180
25	10122145

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 IDENTIFIED IN THE CODE NUMBER MARKED ON EACH PART BY HAVING AN "X" IN THE SEVENTH CHARACTER POSTION.

spec ref				dr	Tao Zhan	2012/11/14	projection 	MM 	size	A4	scale	2:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Sky Chen	2013/10/17			ecn no	-			
				chr	-	-							
				appr	Pei-Ming Zheng	2013/10/17					product family		GIG-Array
surface 	linear	0.X	±0.30		title	GIG-Array 5mm RECP. ASSY. 104 SIG. POS.			dwg no	10014370		rev	A
		0.XX	±0.20										
		0.XXX	±0.10										
	angular	0°	±2°	www.fci.com	cat. no.	Product - Customer Drw				sheet 4 of 4			