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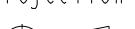
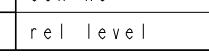
A

A

B

6

6

spec ref		dr	Tao Zhan		2012/11/14			size	A4	scale			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Sky Chen			ecn no	2:1				
	chr		-					-					
	appr		Pei-Ming Zheng					GIG-Array					
	product family		rel level					Released					
surface		linear	0.X	±0.30							rev		
			0.XX	±0.20									
			0.XXX	±0.10									
		angular	0°	±2°									
		cat. no.			Product - Customer Drw			sheet 1 of 4					

Pre/E File : REV C : 2002-06-09

1

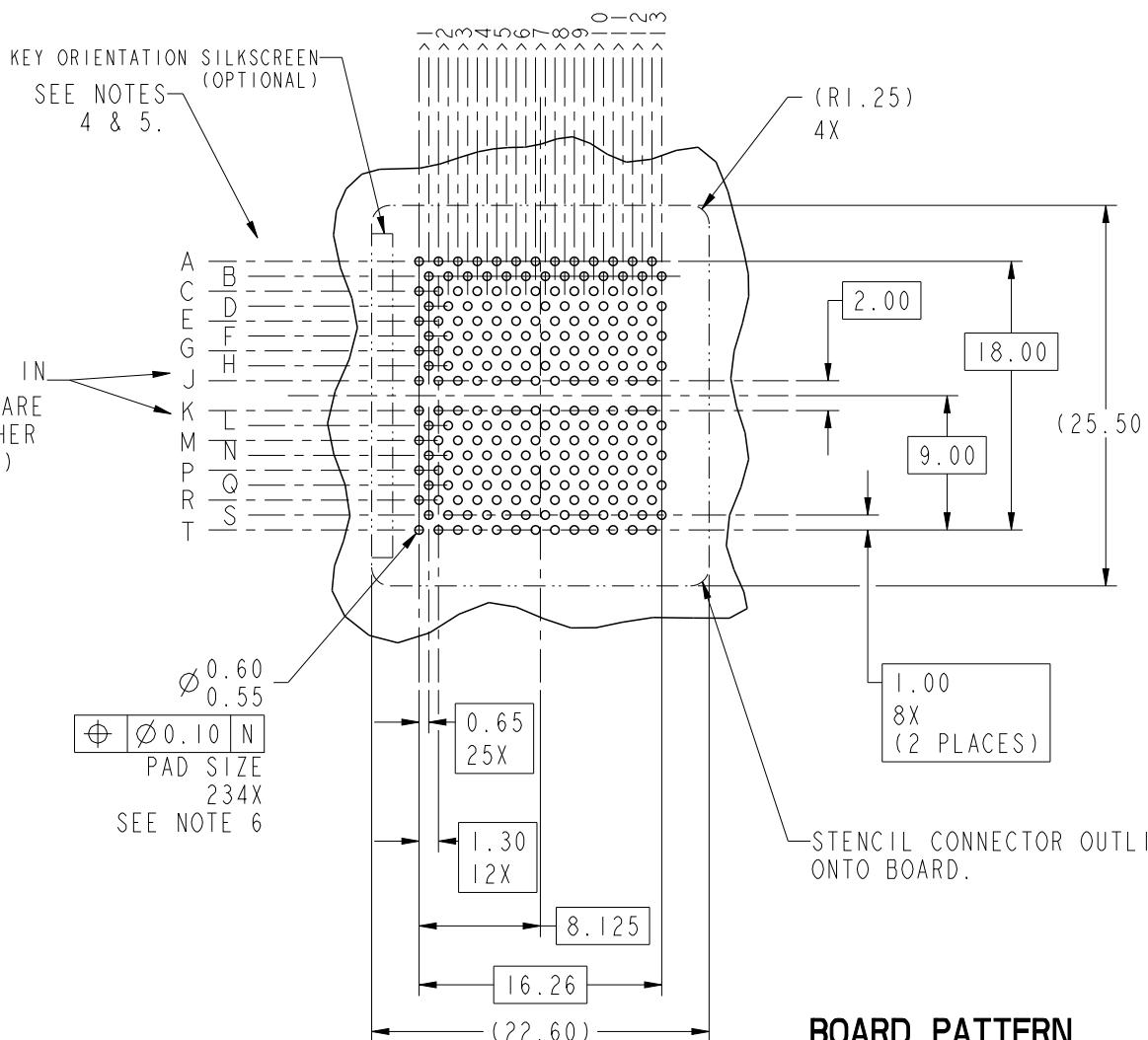
?

PDS: Rev :A

STATUS:Released

Printed: Oct 17, 2013

④ CONTACTS IN
ROWS J & K ARE
TIED TOGETHER
(COMMONED)



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

A

A

B

C

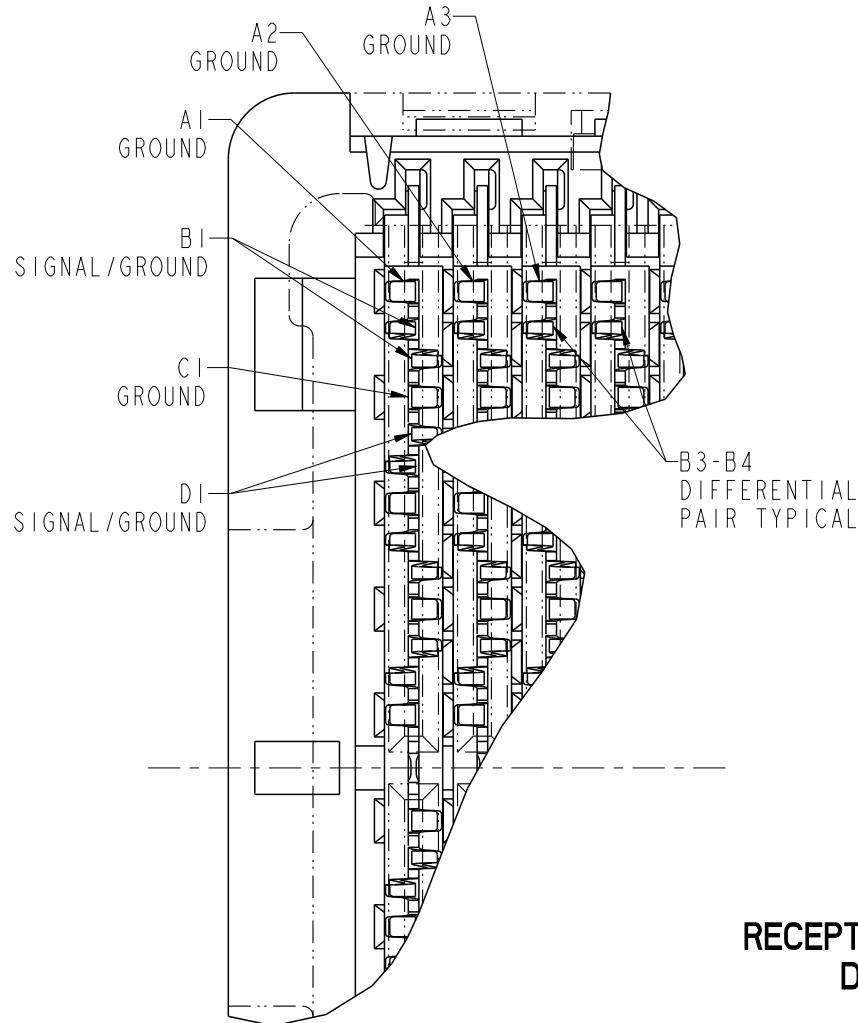
D

A

B

C

D



NOTES:

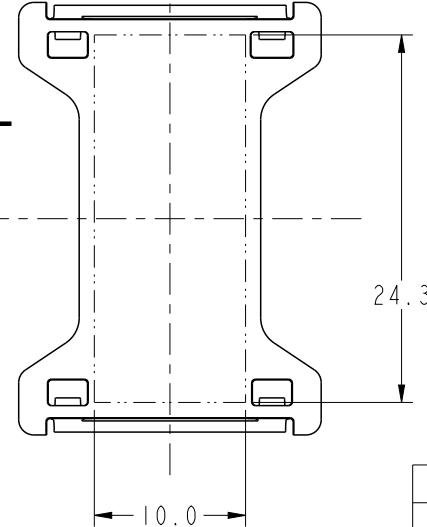
- ① MATERIAL:
HOUSING: LCP
UL RATING: 94 V-0
CONTACT: COPPER ALLOY
PLATING (CONTACT): Au OVER Ni.
SOLDERBALL: (SEE TABLE) EUTECTIC
SnPb OR LEAD FREE 95.5 Sn/4Ag/0.5Cu.
- ② SOLDER BALLS WILL NOT BE PERFECT SPHERICAL SHAPE DUE TO REFLOW ATTACHMENT.
- ③ MATED HEIGHT EFFECTED BY CUSTOMERS' PCB PAD SIZE,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

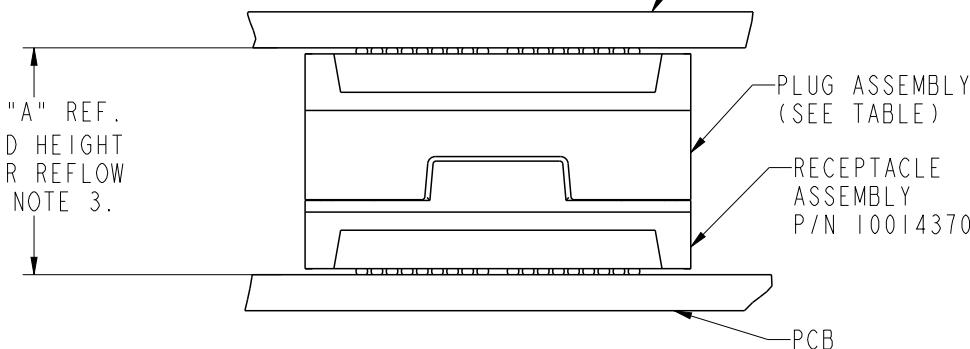
spec ref		dr	Tao Zhan	2012/11/14	projection	size	scale	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sky Chen	2013/10/17	product family	ecn no	rel level
	chr	appr	-	-	-			
surface	✓	linear	0.X	±0.30		GIG-Array	0	Released
			0.XX	±0.20		5mm RECP. ASSY. 104 SIG. POS.	dwg no	10014370
			0.XXX	±0.10			rev	A
		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	
10014370-001LF	LEADFREE		
10014370-201	STAND (EUTECTIC)		
10014370-201LF	LEADFREE	Au OVER Ni	

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 POSITION.

spec ref

tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	dr	Tao Zhan	2012/11/14	projection	MM	size	scale
		eng	Sky Chen	2013/10/17				
		chr	-	-				
		appr	Pei-Ming Zheng	2013/10/17				

surface 

linear	0.X	± 0.30		GIG-Array	product family	GIG-Array	rel level	Released
	0.XX	± 0.20						
	0.XXX	± 0.10						
	angular	0°						

www.fci.com

cat. no.

Product - Customer Drw

dwg no

10014370

rev A

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[FCI / Amphenol:](#)

[10014370-001LF](#) [10014370-201LF](#)