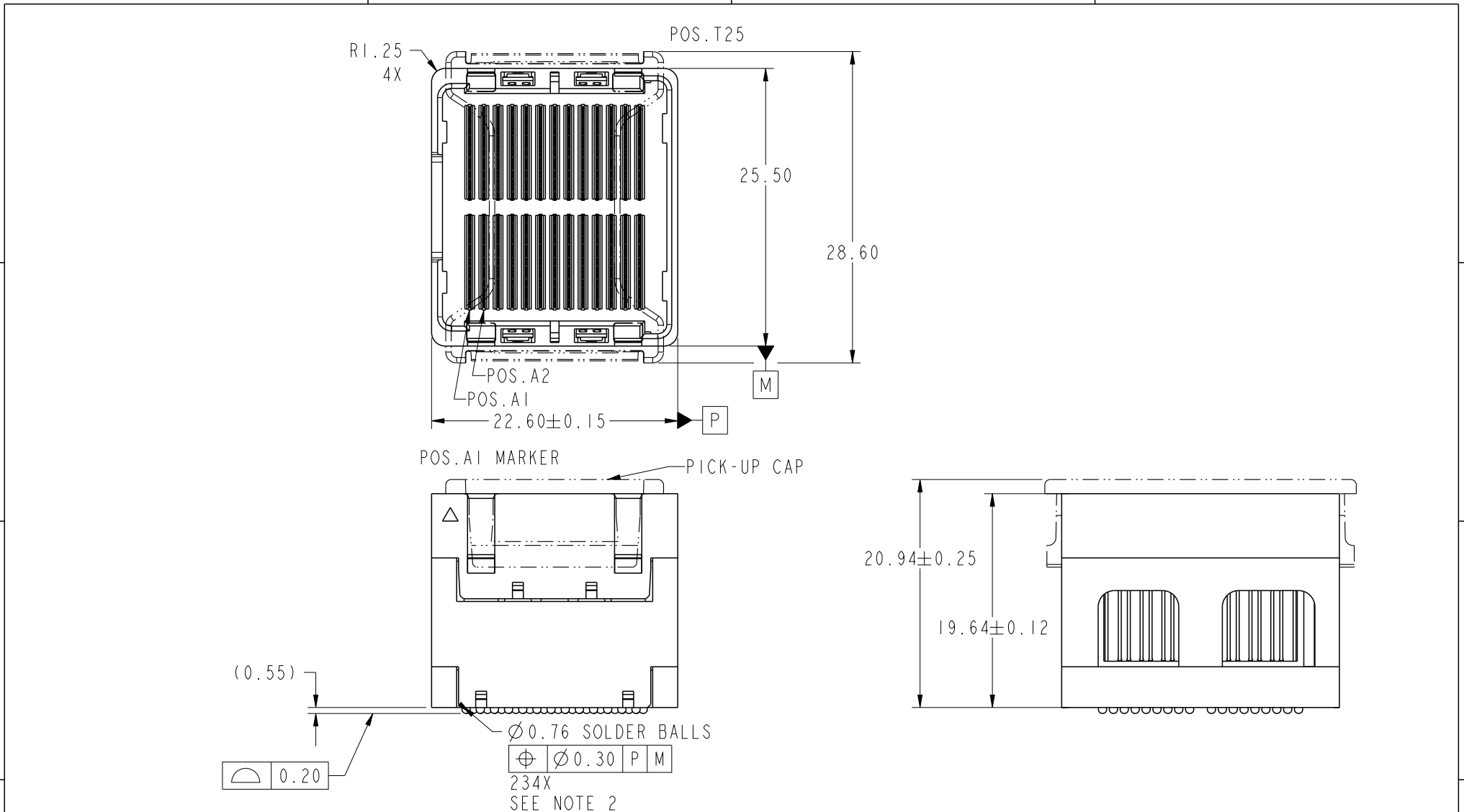




Copyright FCI.



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	-		
ASME Y14.5	-			chr	-	-			rel level	Released		
surface	linear	0.X	±0.30	FCI www.fci.com	GIG-Array			dwg no	10122145		rev	A
-		0.XX	±0.20		20mm PLUG ASSY. 104 SIG. POS.							
-	angular	0°	±2°		cat. no.	*	Product - Customer Drw					

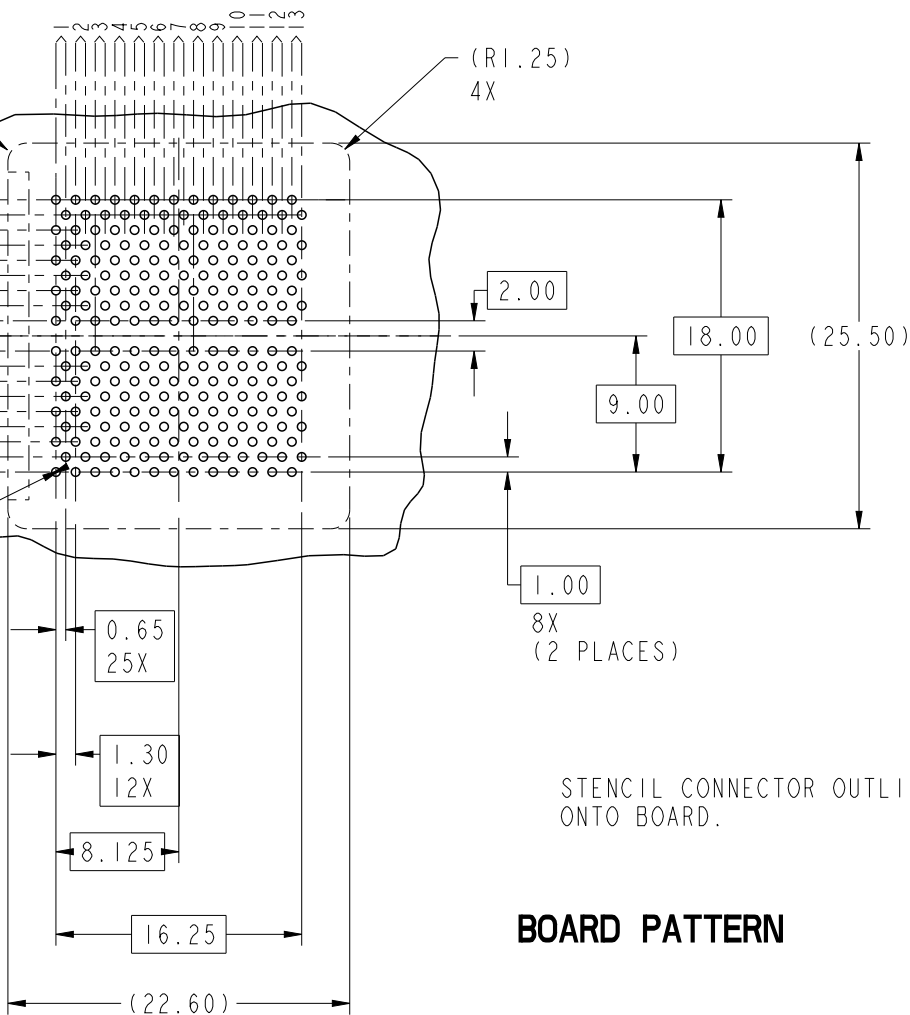
PreE File - REV C - 2009-06-09

KEY ORIENTATION SILKSCREEN
(OPTIONAL)

SEE NOTES 4 & 5

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

Ø 0.60
0.55
Ø 0.10 N
PAD SIZE
234X
SEE NOTE 6



STENCIL CONNECTOR OUTLINE
ONTO BOARD.

BOARD PATTERN

spec ref	-	dr	Tao Zhan	2012/11/14	projection	mm	size	A4	scale	2:1
tolerance std	ASME Y14.5	eng	Sky Chen	2013/10/17			ecn no		-	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	-			rel level		Released	
surface	✓	appr	Pei-Ming Zheng	2013/10/17	product family		GIG-Array		rev	
	linear			GIG-Array		dwg no		10122145		A
		www.fci.com		20mm PLUG ASSY. 104 SIG. POS.						
	angular	cat. no.		*		Product - Customer Drw		sheet 2 of 5		
	0.X	±0.30								
	0.XX	±0.20								
	0.XXX	±0.10								
	0°	±2°								

1

2

3

4

A

B

C

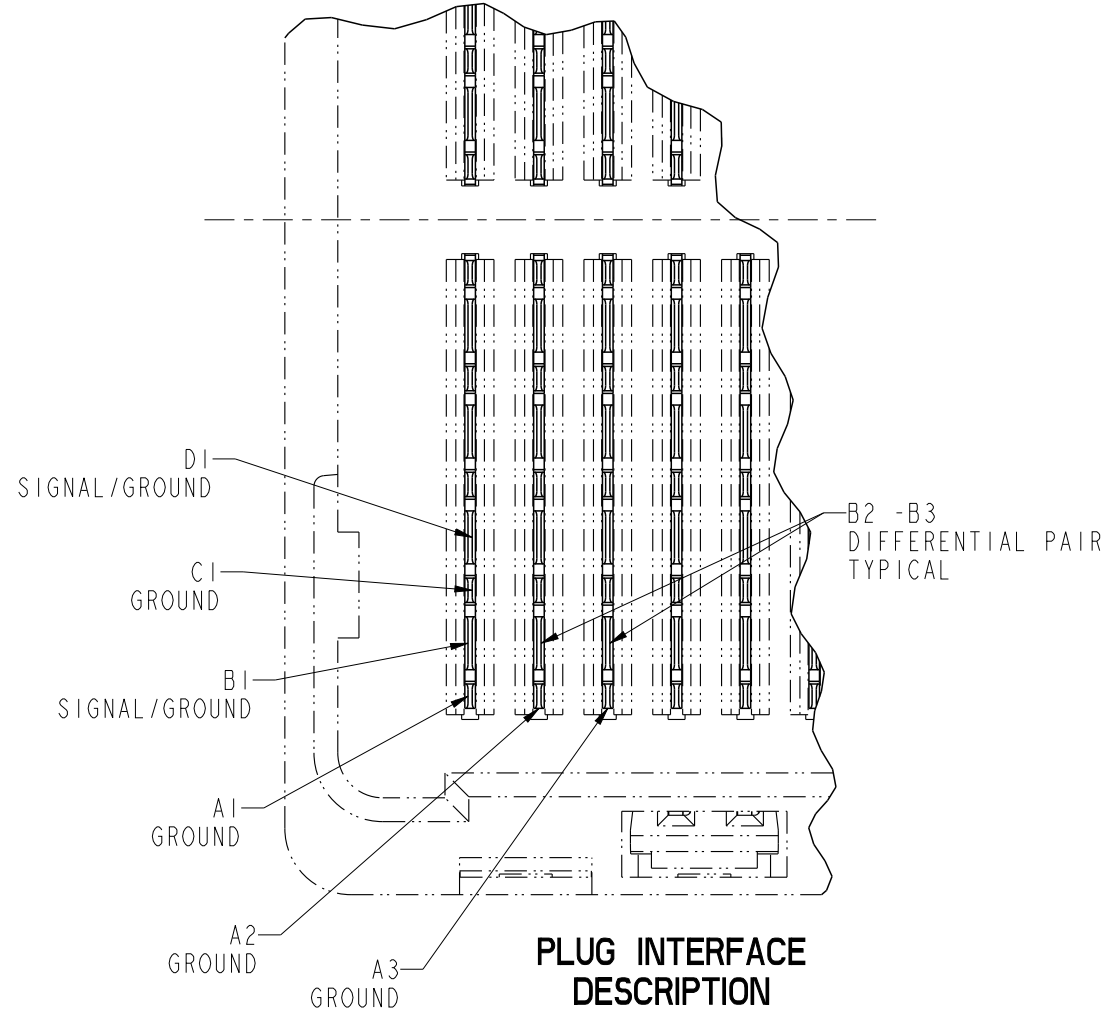
D

A

B

C

D



PLUG INTERFACE DESCRIPTION



Copyright FCI.

spec ref		-		dr	Tao Zhan	2012/11/14	projection 	mm 	size	A4	scale	7:1	
tolerance std	ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED				eng			Sky Chen	2013/10/17	ecn no	-	
						chr			-				
surface	✓	linear	0.X	±0.30	FCI 	title GIG-Array 20mm PLUG ASSY. 104 SIG. POS.		dwg no	10122145		rev A		
		0.XX	±0.20										
		0.XXX	±0.10										
		angular	0°	±2°	www.fci.com	cat. no.	*	Product - Customer Drw		sheet 3 of 5			

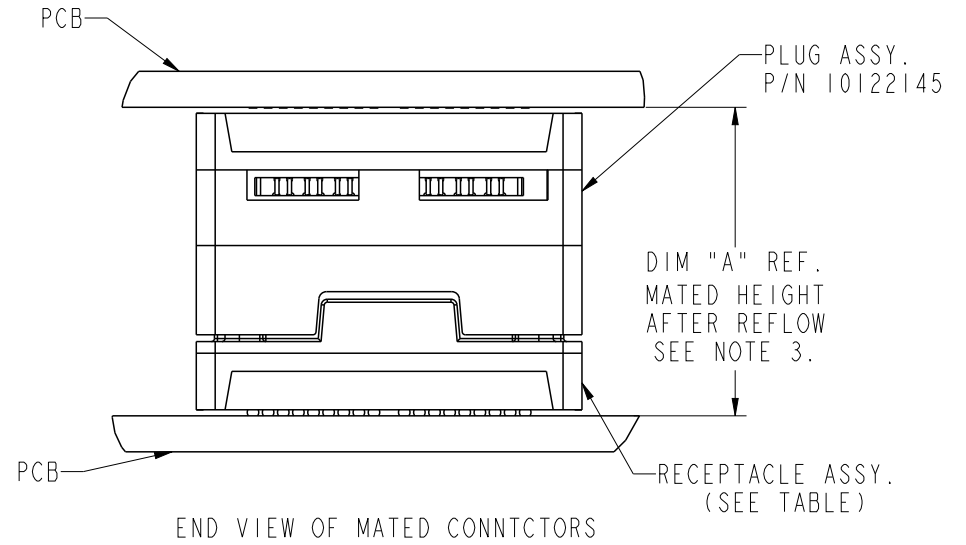
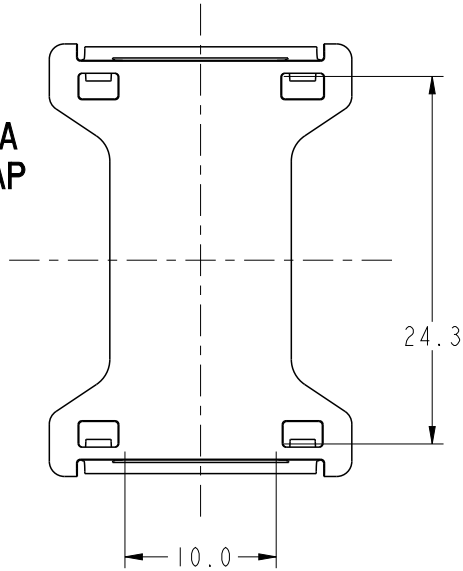
PreE File - REV C - 2009-06-09

2

3

4

**FLAT AREA
PICK-UP CAP**



DIM. "A"	RECPT. ASSY. P/N
25	10014370



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spec ref		-		dr	Tao Zhan	2012/11/14	projection 	mm 	size	A4	scale	2:1
tolerance std	ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sky Chen	2013/10/17			ecn no	-		
				chr	-	-						
surface	✓	linear	0.X	±0.30	FCI 	title	GIG-Array	dwg no	10122145	rel level	Released	
		0.XX	±0.20									
		0.XXX	±0.10									
		angular	0°	±2°	www.fci.com	cat. no.	Product - Customer Drw	sheet 4 of 5				

PRODUCT NUMBER	SOLDER BALL COMPOSITION	CONTACT PLATING PERFORMANCE LEVEL
10122145-001	STANDARD (EUTECTIC)	PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-192, INCLUDING TELCORDIA CENTRAL OFFICE Au OVER Ni
10122145-001LF	LEADFREE	
10122145-201	STANDARD (EUTECTIC)	
10122145-201LF	LEADFREE	

NOTES:

- ① MATERIAL:
HOUSING: LCP
UL RATING: 94 V-0
CONTACT: COPPER ALLOY
PLATING (CONTACT): Au OVER Ni.
SOLDER BALL: (SEE TABLE) EUTECTIC SnPb OR LEADFREE 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.
- 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	Tao Zhan	2012/11/14	projection	mm	size	A4	scale	1:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Sky Chen	2013/10/17			ecn no	-	rel level	Released	
ASME Y14.5		chr	-	-							
-		appr	Pei-Ming Zheng	2013/10/17	product family	GIG-Array					
surface	linear		title	GIG-Array	cat. no.	Product - Customer Drw	dwg no	10122145	rev	A	
-											0.X
	0.XX										±0.20
	0.XXX	±0.10									
	angular	0°	±2°	www.fci.com						sheet 5 of 5	

