

1 2 3 4

A

B

C

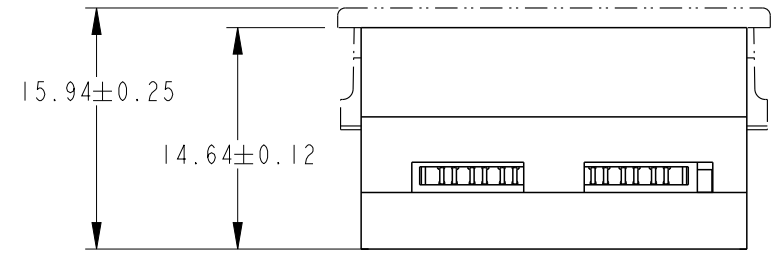
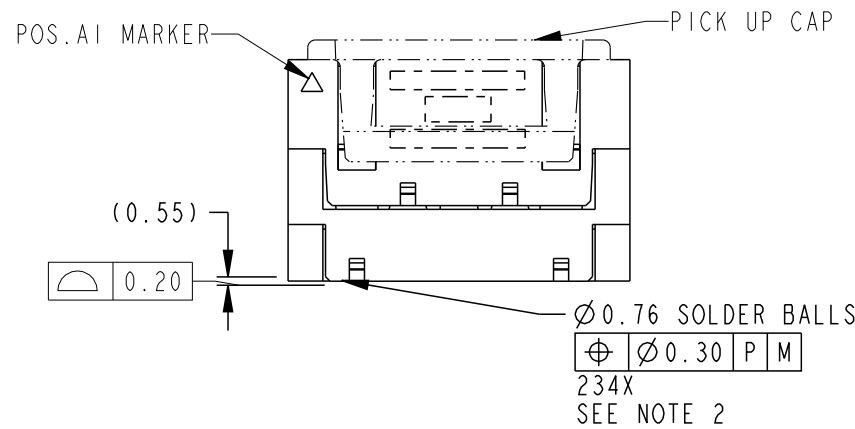
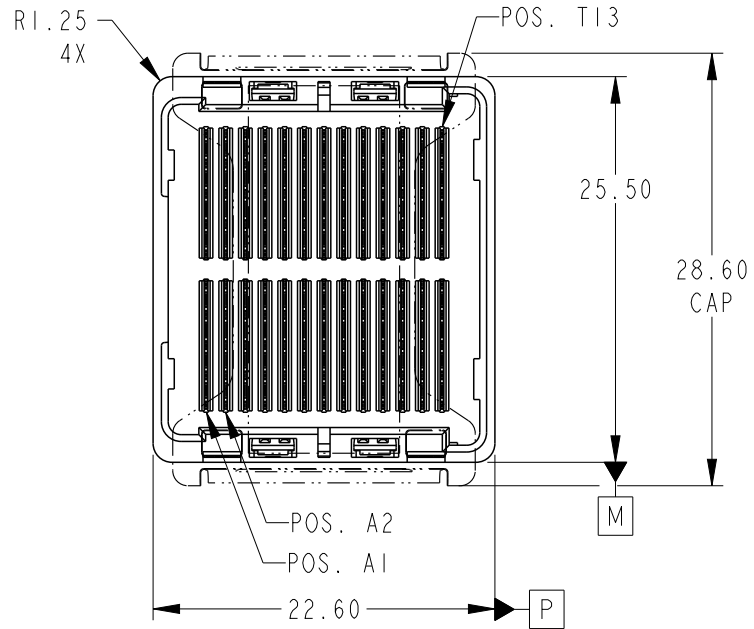
D

A

B

C

D



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spec ref		dr Tao Zhan		2012/11/14		projection		size A4		scale 2:1			
tolerance std		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		dwg no 10098180		rev A			
linear		0.X ±0.30				title GIG-Array 15mm PLUG ASSY. 104 SIG. POS.		sheet 1 of 4					
		0.XX ±0.20								cat. no. -		Product - Customer Drw	
angular		0° ±2°								www.fci.com		STATUS:Released	

ProjE File - REV C - 2009-06-09

2

3

PDS: Rev :A


STATUS:Released

Printed: Oct 17, 2013

KEY ORIENTATION SILKSCREEN  
(OPTIONAL)

SEE NOTES 4 & 5

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

$\varnothing 0.60$   
 $\varnothing 0.55$   

 $\varnothing 0.10$  N  
 PAD SIZE  
 234X  
 SEE NOTE 6

0.65  
25X

1.30  
12X

8.125

16.26

(22.60)

(R1.25)  
4X

2.00

1.00  
8X  
(2 PLACES)

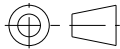

STENCIL CONNECTOR  
OUTLINE  
ONTO BOARD

9.00

18.00

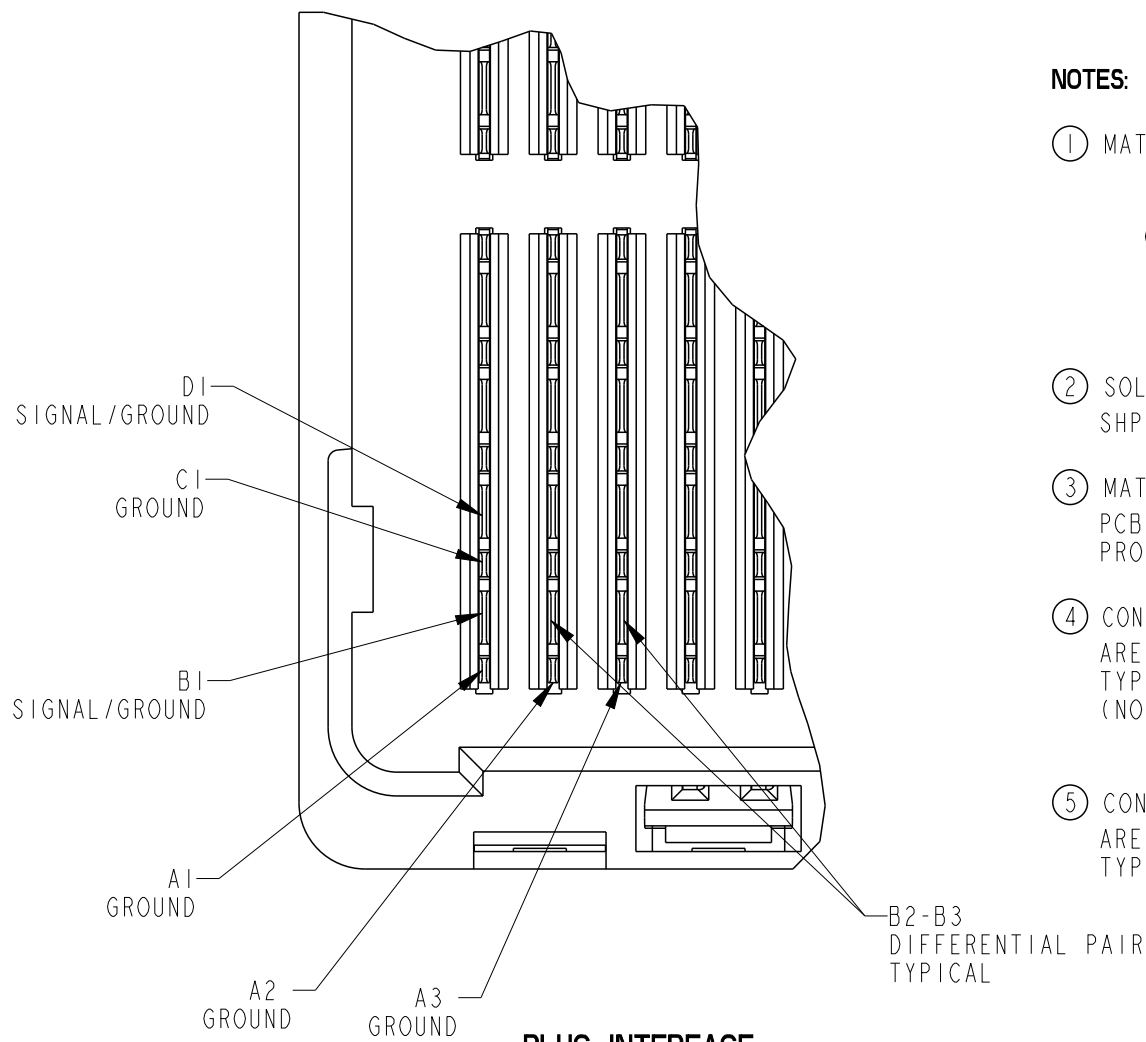
(25.50)

N

spec ref		dr Tao Zhan		2012/11/14		projection		MM		size A4		scale 2:1	
tolerance std		eng Sky Chen		2013/10/17						ecn no		-	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr -		-						rel level		Released	
surface <input checked="" type="checkbox"/>		appr Pei-Ming Zheng		2013/10/17		product family		GIG-Array		rev		A	
linear		0.X		$\pm 0.30$		title		GIG-Array		dwg no		10098180	
		0.XX		$\pm 0.20$		15mm PLUG ASSY. 104 SIG. POS.							
		0.XXX		$\pm 0.10$		cat. no.		-		Product - Customer Drw		sheet 2 of 4	
angular		0°		$\pm 2^\circ$		www.fci.com							



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**NOTES:**

- ① MAT'L:  
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.

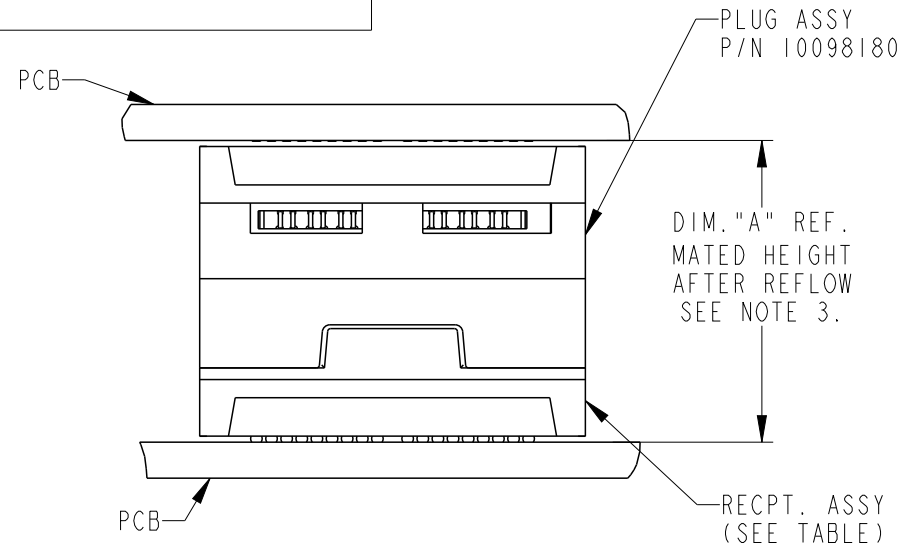
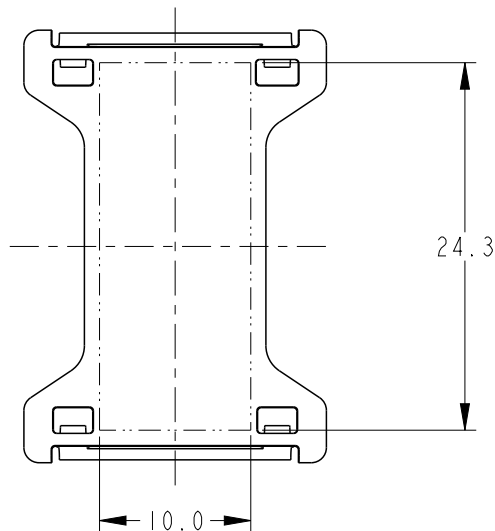
**PLUG INTERFACE DESCRIPTION**

spec ref		dr Tao Zhan		2012/11/14		projection 	MM 	size	A4	scale	7:1
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED						chr -	ecn no	-	
		appr Pei-Ming Zheng		2013/10/17						product family GIG-Array	
surface ✓	linear	0.X	±0.30	www.fci.com	title GIG-Array	cat. no.	-	Product - Customer Drw	sheet 3 of 4	rev	A
		0.XX	±0.20								
		0.XXX	±0.10								
	angular	0°	±2°								

PrdE File - REV C - 2009-06-09

PRODUCT NUMBER	SOLDER BALL COMPOSITION	CONTACT PLATING PERFORMANCE LEVEL
10098180-001	STAND (EUTECTIC)	PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-192, INCLUDING TELCORDIA CENTRAL OFFICE
10098180-001LF	LEADFREE	
10098180-201	STAND (EUTECTIC)	Au OVER Ni
10098180-201LF	LEADFREE	

FLAT AREA FOR OPTIONAL PICK-UP CAP



END VIEW OF MATED CONNECTORS

DIM. "A"	RECPT. ASSY. P/N
20	10014370

- 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		dr Tao Zhan		2012/11/14		projection		MM		size A4		scale 2:1	
tolerance std		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		A	
linear		0.X		±0.30				title GIG-Array 15mm PLUG ASSY. 104 SIG. POS.		dwg no 10098180		sheet 4 of 4	
		0.XX		±0.20									
		0.XXX		±0.10									
angular		0°		±2°		www.fci.com		cat. no.		Product - Customer Drw		sheet 4 of 4	