

rev	ecn no	dr	date
A	V05-0062	TAB	2005/01/19
B	V05-0052	VS	2005/10/14
C	V06-0558	LP	2006/06/12
D	V07-0440	LP	2007-07-05
-	-	-	-
-	-	-	-

A

B

C

D

A

B

C

D

R1.25
4X

POS.T37

25.50

28.60

POS.A2

POS.A1

53.75±0.15

M

P

POS.A1 MARKER

PICK-UP CAP

(0.55)

0.20

Ø0.76 SOLDER BALLS

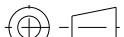
⊕ Ø0.30 P M

666X

SEE NOTE 2

13.94±0.25

12.64±0.12

spec ref		-		dr	Louis Ng	2010/11/01	projection 	mm 	size	A4	scale	1:1					
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Nickor Zuo	2011/06/24			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	
surface		3.2			title				GIG-Array		dwg no	10008026		rev	D		
									13mm PLUG ASSY. 296 SIG. POS.								
ASME Y14.5		angular			0°		±2°		www.fci.com			cat. no.			-		Product - Customer Drw

Prelim File - REV C - 2009-06-09

2

3

PDS: Rev :D

STATUS:Released

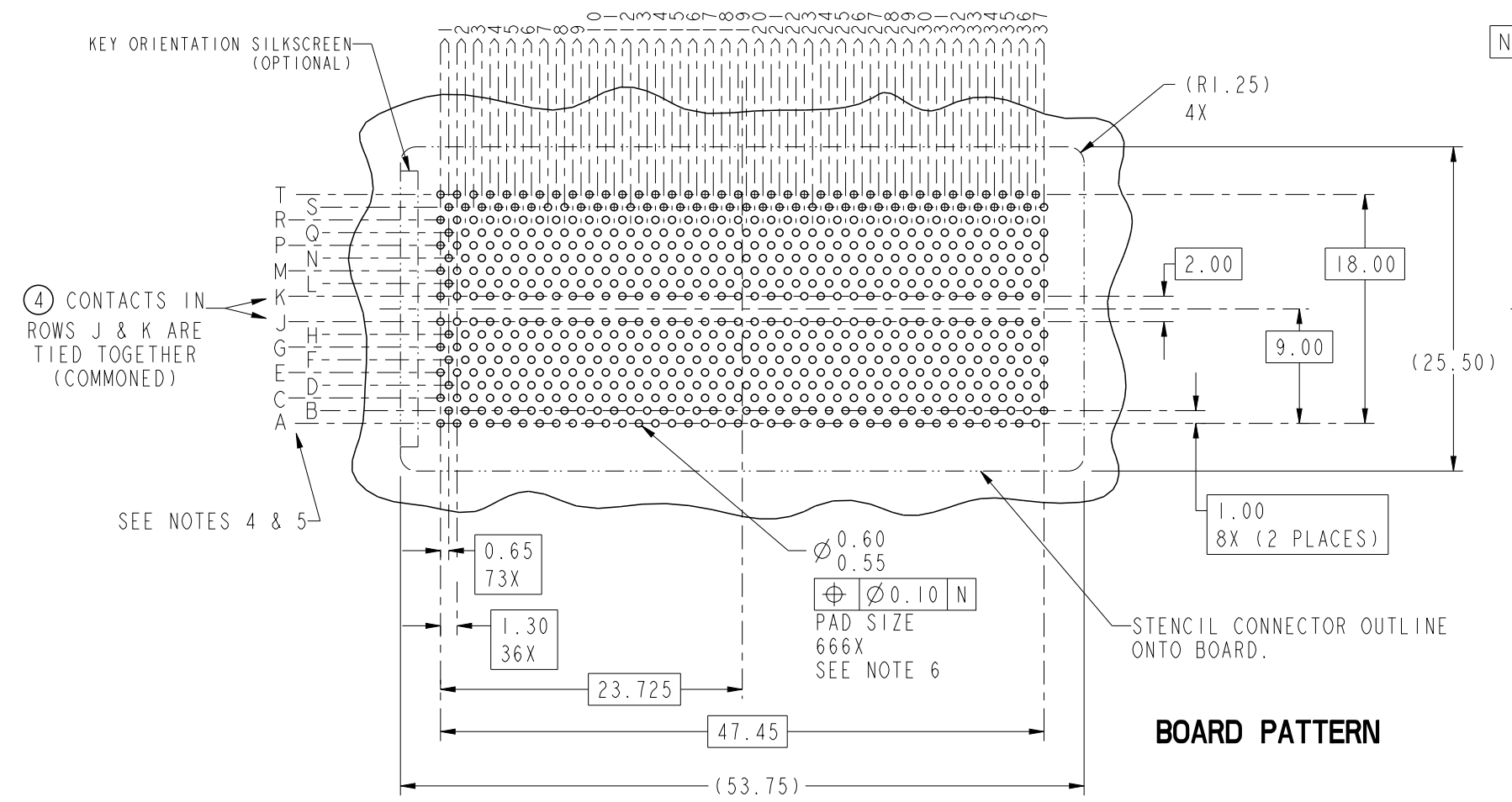
Printed: Jun 27, 2011



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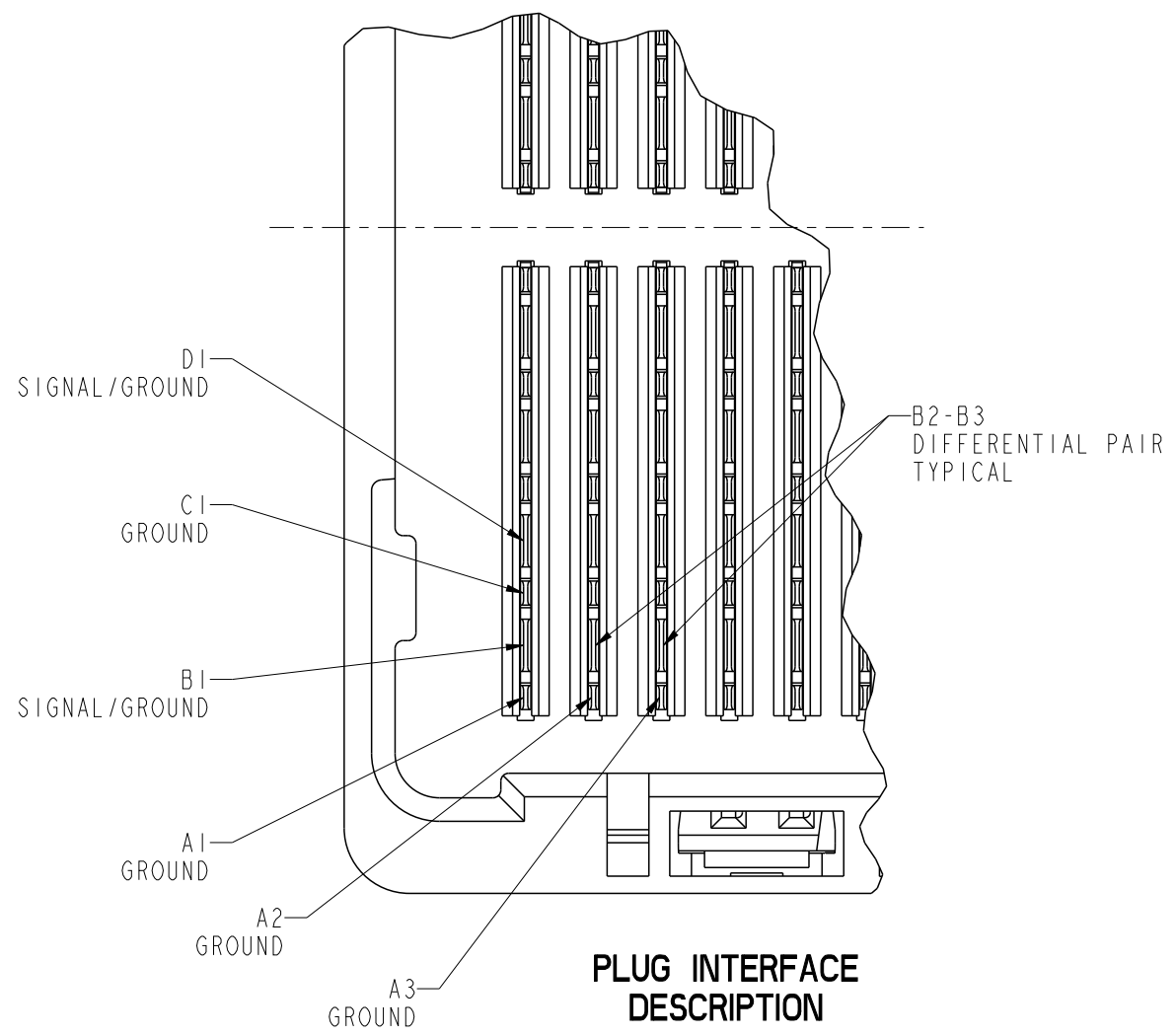


spec ref -				dr Louis Ng 2010/11/01		projection 	mm 	size A4	scale 1:1
tolerance std -		eng Nickor Zuo 2011/06/24		ecn no ELX-DG-003943-1					
- -		chr Alex Cao 2011/06/24							
		appr Pei-Ming Zheng 2011/06/27			product family GIG-Array			rel level Released	
surface 3.2		linear	0.X	±0.30		title GIG-Array 13mm PLUG ASSY. 296 SIG. POS.	dwg no 10008026	rev D	
			0.XX	±0.10					
			0.XXX	±0.05					
ASME Y14.5		angular	0°	±2°	www.fci.com	cat. no. -	Product - Customer Drw		sheet 2 of 5

Print File - REV C - 2009-06-09

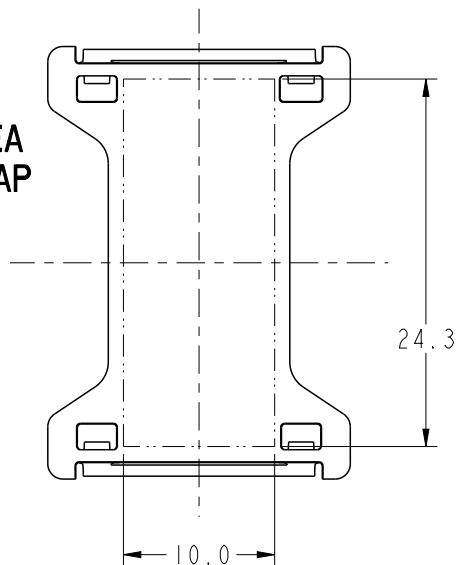


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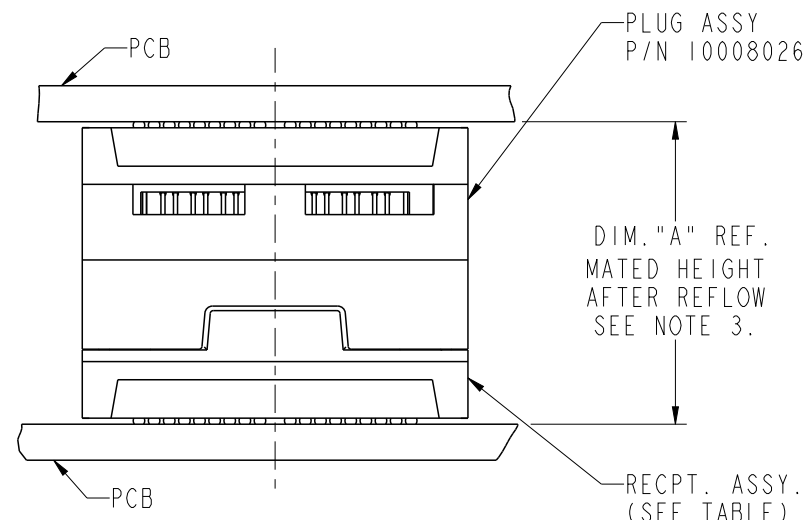


spec ref -				dr Louis Ng 2010/11/01		projection 	mm 	size A4	scale 1:1
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Nickor Zuo 2011/06/24				ecn no ELX-DG-003943-1	
- -				chr Alex Cao 2011/06/24					
				appr Pei-Ming Zheng 2011/06/27					
product family GIG-Array						rel level Released			
surface 3.2	linear	0.X	±0.30		title GIG-Array 13mm PLUG ASSY. 296 SIG. POS.	dwg no 10008026	rev D		
		0.XX	±0.10						
		0.XXX	±0.05						
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no. -	Product - Customer Drw		sheet 3 of 5	

FLAT AREA PICK-UP CAP

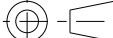


END VIEW OF MATED CONNECTORS



DIM. "A"	RECPT. ASSY. P/N
18	55701
23	10032376
28	55733

NOT TOOLED

spec ref -				dr	Louis Ng	2010/11/01	projection 	mm 	size	A4	scale	1:1
tolerance std - -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Nickor Zuo	2011/06/24			ecn no ELX-DG-003943-1			
				chr	Alex Cao	2011/06/24			rel level Released			
				appr	Pei-Ming Zheng	2011/06/27			product family GIG-Array			
surface 3.2 ASME Y14.5	linear	0.X	±0.30	 www.fci.com	title	GIG-Array 13mm PLUG ASSY. 296 SIG. POS.			dwg no	10008026		rev D
		0.XX	±0.10									
		0.XXX	±0.05									
	angular	0°	±2°									

PRODUCT NUMBER	SOLDER BALL COMPOSITION	CONTACT PLATING PERFORMANCE LEVEL
10008026-001	STANDARD (EUTECTIC)	PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-192, INCLUDING TELCORDIA CENTRAL OFFICE
10008026-001LF	LEADFREE	
10008026-201	STANDARD (EUTECTIC)	
10008026-201LF	LEADFREE	

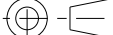
Au over Ni

NOTES:

- ① MATERIAL:
HOUSING: LCP
CONTACT: COPPER ALLOY
PLATING (CONTACT): Au OVER Ni.
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 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.

NOTES CONTINUED

- 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 THERFORE 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 THES DIRECTIVE IS IDENTIFIED IN THE LOT CODE NUMBER MARKED ON EACH PART BY HAVING AN "X" IN THE SEVENTH CHARACTER POSITION.

spec ref -				dr	Louis Ng	2010/11/01	projection 	mm 	size	A4	scale	1:1	
tolerance std - - TOLERANCES UNLESS OTHERWISE SPECIFIED				eng	Nickor Zuo	2011/06/24			ecn no				ELX-DG-003943-1
				chr	Alex Cao	2011/06/24			rel level				Released
				appr	Pei-Ming Zheng	2011/06/27	product family		GIG-Array				
surface 3.2 ✓	linear	0.X	±0.30		title GIG-Array 13mm PLUG ASSY. 296 SIG. POS.			dwg no	10008026			rev D	
		0.XX	±0.10										
		0.XXX	±0.05										
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.		-	Product - Customer Drw			sheet 5 of 5		

Mouser Electronics

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