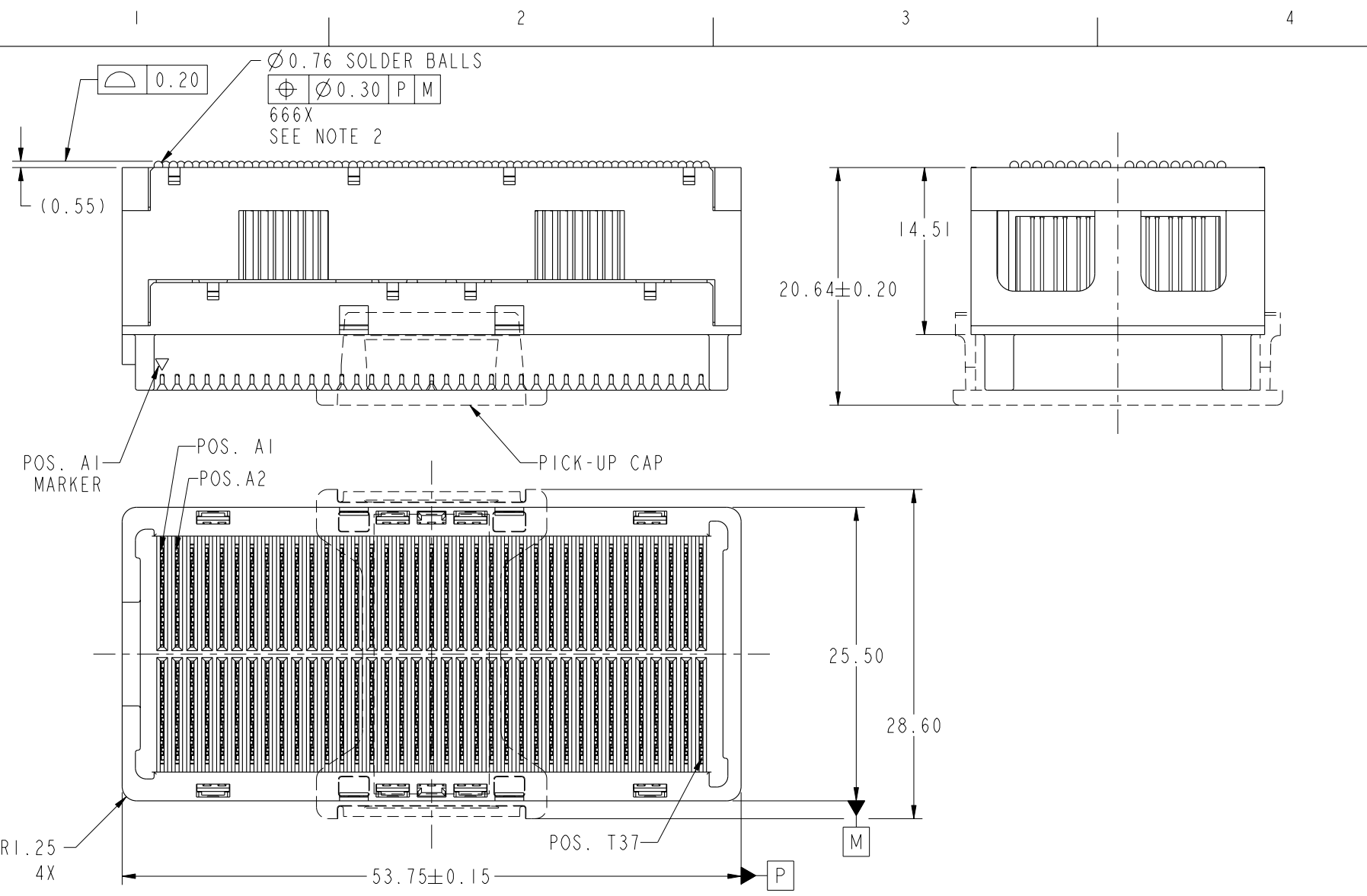







Copyright FCI.



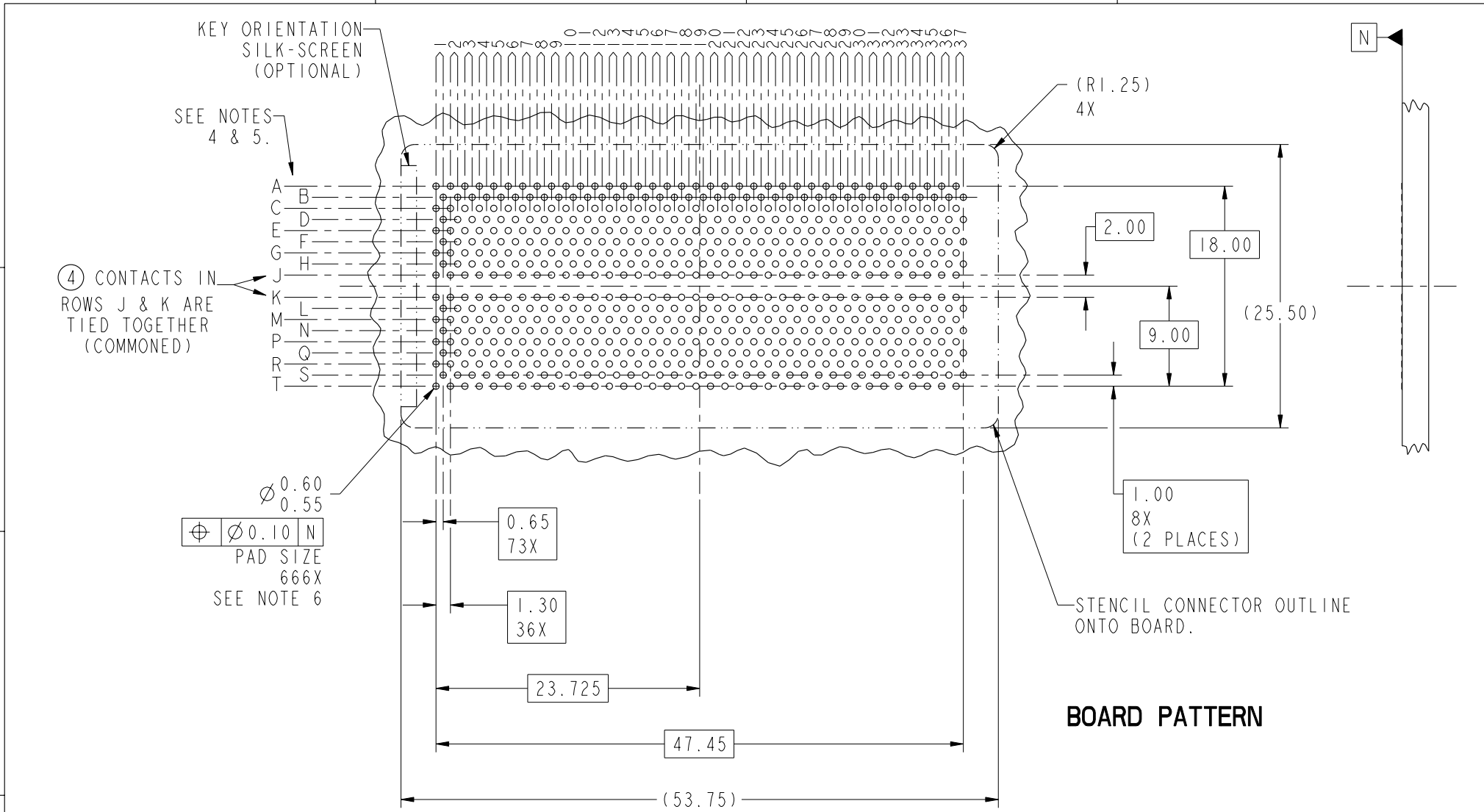
rev	ecn no	dr	date
A	V06-0394	LP	2006/05/04
B	V07-0618	LP	2007/10/15
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

www.fciconnect.com			surface 3.2 ASME Y14.5 ✓		tolerance std .		projection 		 mm	
			TOLERANCES UNLESS OTHERWISE SPECIFIED							
Dr	L.POTTEIGER	1/30/06	ANGULAR	LINEAR	0.X ±0.3		size A4	Scale 1:1		
Eng	D.HARPER	1/30/06			0.XX ±0.10					
Chr	D.HARPER	1/30/06			0.XXX ±0.050			ECN V07-0618		
Appr	D.HARPER	1/30/06	0° ±2°		Product family GIG-Array		Spec ref		-	
			title GIG-Array 15mm RECEPTACLE ASSY, 296 SIG. POS.				dwg no 10060913		Rev. B	
catalog no			-				CUSTOMER		sheet 1 of 4	

REV F - 2006-04-17



Copyright FCI.



title GIG-Array 15mm RECEPTACLE  
ASSY, 296 SIG. POS.  
catalog no -

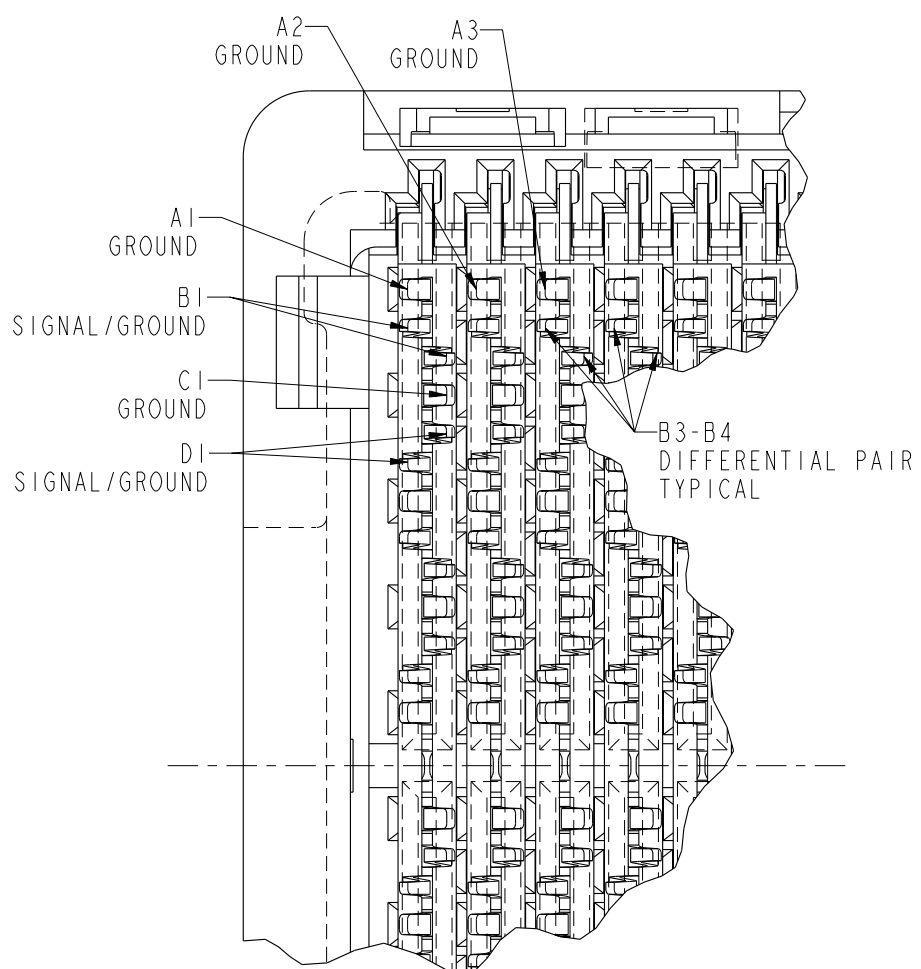
dwg no 10060913  
CUSTOMER

Rev.  
B

sheet 2 of 4



Copyright FCI.



# RECEPTACLE INTERFACE DESCRIPTION

REV F - 2006-04-17

	title GIG-Array 15mm RECEPTACLE ASSY, 296 SIG. POS.		dwg no 10060913		Rev. B
	catalog no -		CUSTOMER	sheet 3 of 4	

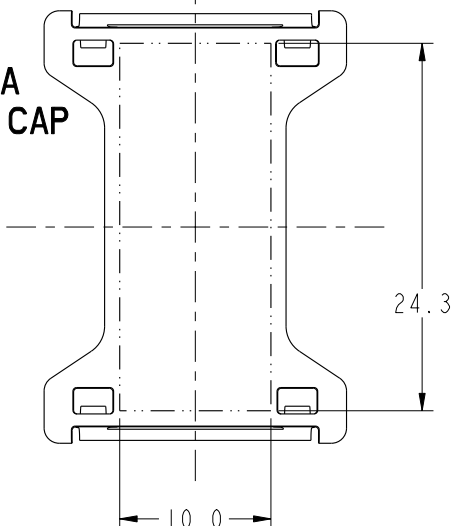
PDM: Rev:B

STATUS:Released

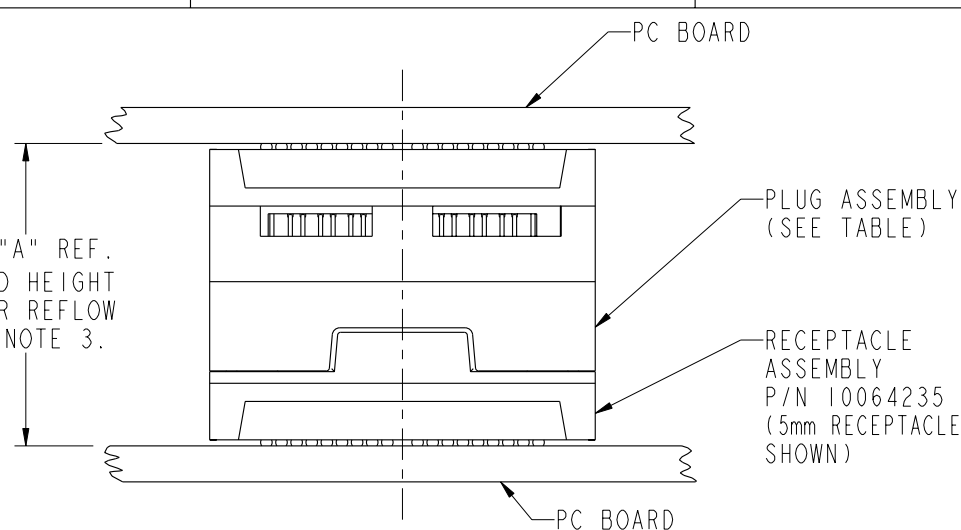
4Printed: Nov 08, 2008

PRODUCT NUMBER	SOLDER BALL
10060913-001	SnPb
10060913-001LF	SnAgCu LEADFREE SEE NOTE 7 & 8

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



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



**END VIEW OF MATED CONNECTORS**  
SCALE 2:1

**NOTES:**

- ① MATERIAL:  
HOUSING: LCP  
CONTACT: COPPER ALLOY  
PLATING (CONTACT): Au OVER Ni.  
UL RATING: 94 V-0  
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 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. 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.

DIM. "A"	PLUG ASSEMBLY P/N
25	55720
27	10026804
28	10055143
30	55700
35	55727
40	10054784

Copyright FCI.

FCI	title	GIG-Array 15mm RECEPTACLE ASSY, 296 SIG. POS.	dwg no	10060913	Rev.	B
	catalog no	-	CUSTOMER	sheet 4 of 4		