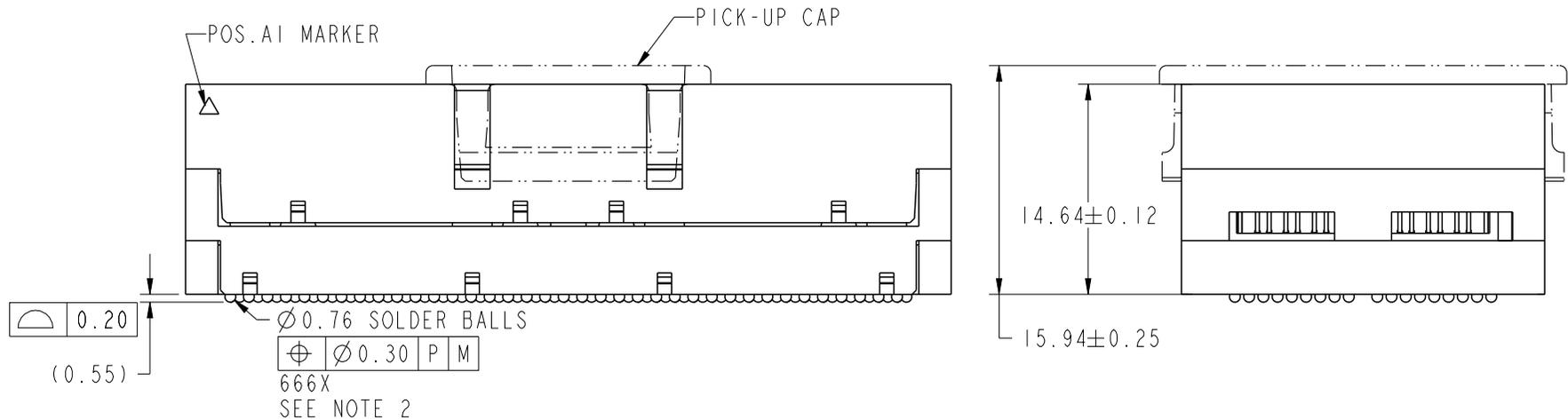
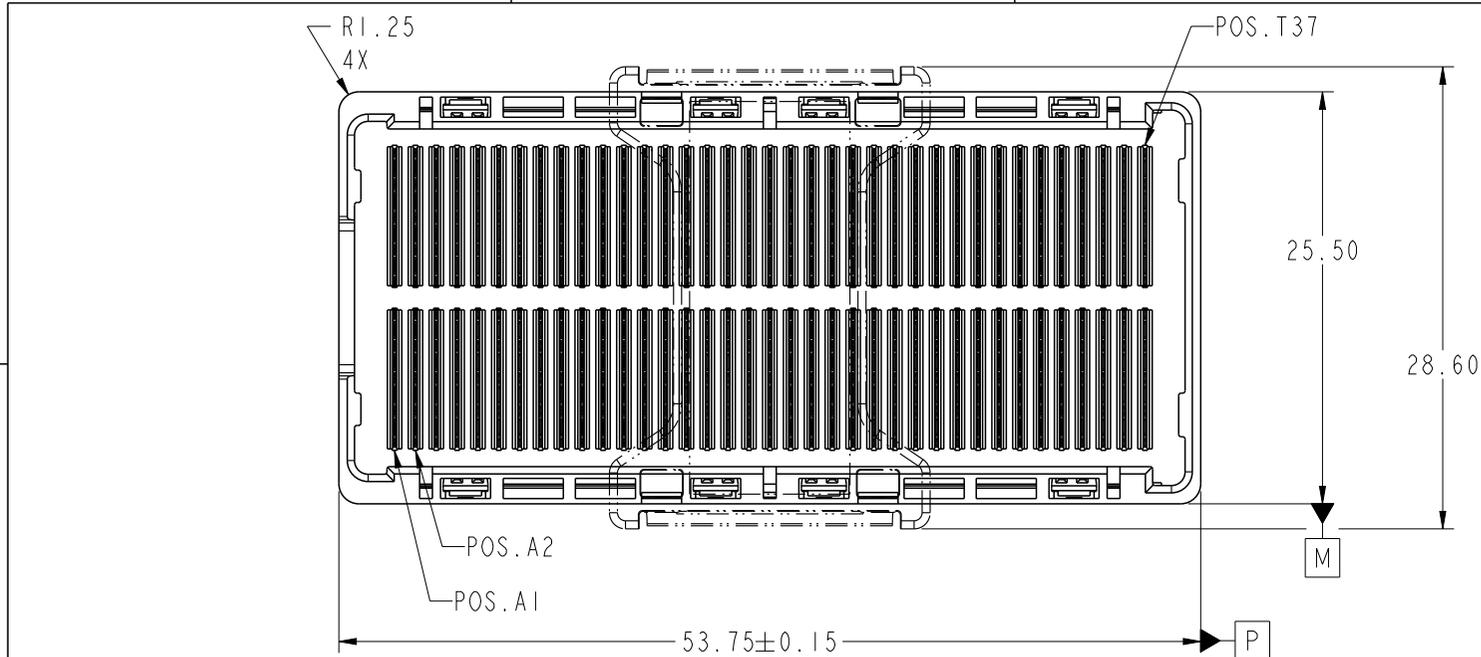


rev	ecn no	dr	date
A	V20428	LRJ	2002-03-11
B	V03-0427	TAB	2003-14-15
C	V03-0663	TAB	2003-06-12
D	V05-0052	VS	2005-10-14
E	V06-0558	LP	2006-06-12
F	V07-0438	LP	2007-07-02
G	V08-0329	SM	2008-11-14

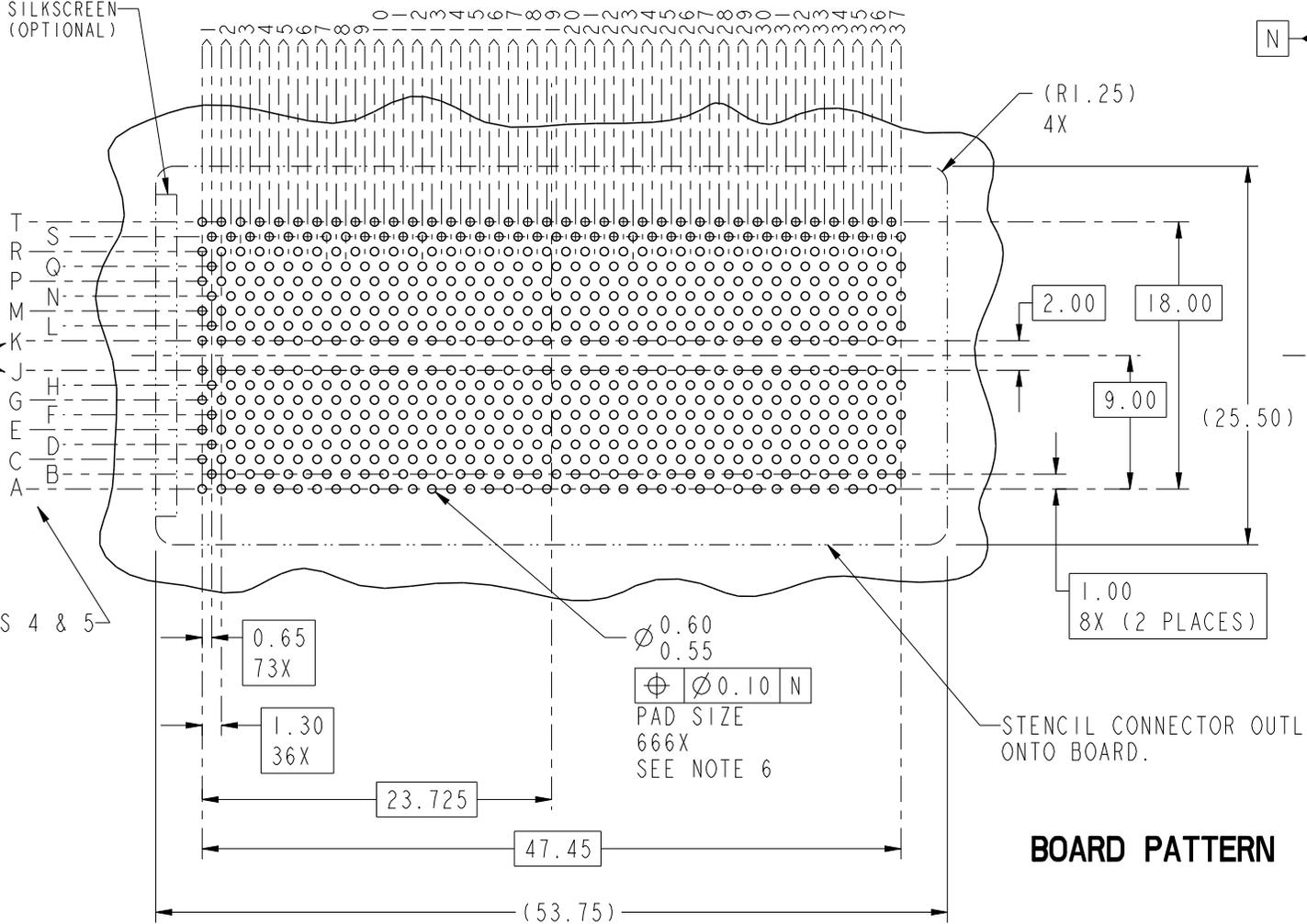


spec ref	-	dr	Bill Lin	2010/02/02	projection 	mm 	size	A4	scale	1:10	
tolerance std	ASME Y14.5	eng	Nickor Zuo	2011/06/02			ecn no	ELX-DG-003943-1			
TOLERANCES UNLESS OTHERWISE SPECIFIED linear 0.X ±0.30 0.XX ±0.10 0.XXX ±0.05 angular 0° ±2°		chr	Alex Cao	2011/06/24			product family	GIG-Array		rel level	Released
		appr	Pei-Ming Zheng	2011/06/27			product family	GIG-Array		rel level	Released
surface	✓				title	GIG-Array		dwg no	55700	rev	H
		www.fci.com			cat. no.	Product - Customer Drw			sheet 1 of 5		

KEY ORIENTATION SILKSCREEN (OPTIONAL)

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

SEE NOTES 4 & 5



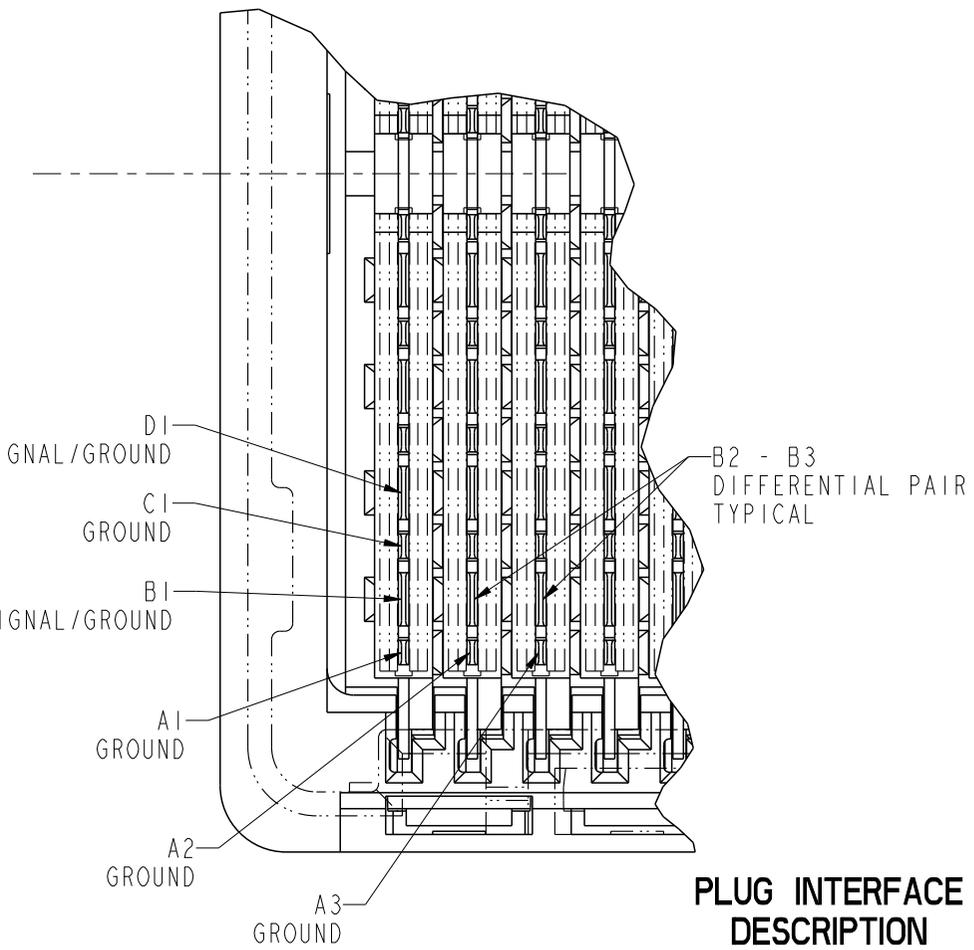
BOARD PATTERN

spec ref	-	dr	Bill Lin	2010/02/02	projection	mm	size	A4	scale	1:10			
tolerance std	ASME Y14.5	eng	Nickor Zuo	2011/06/02			ecn no		ELX-DG-003943-1				
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Alex Cao	2011/06/24			product family		GIG-Array		rel level		Released
surface	✓	appr	Pei-Ming Zheng	2011/06/27	title		GIG-Array		dwg no		55700	rev	H
	linear				15mm PLUG ASSY. 296 SIG. POS.		cat. no.		Product - Customer Drw		sheet 2 of 5		
	angular												



Copyright FCI.

PrdE File - REV C - 2009-06-09



PLUG INTERFACE DESCRIPTION

SCALE 7:1

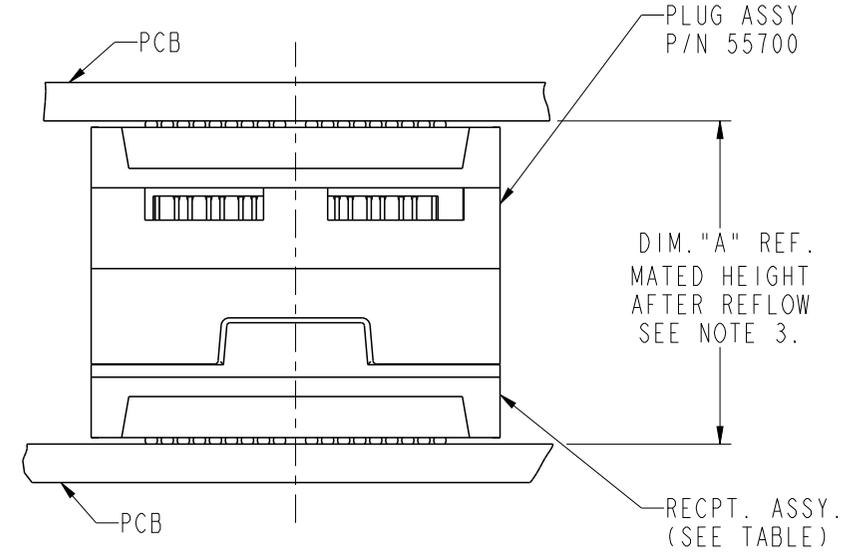
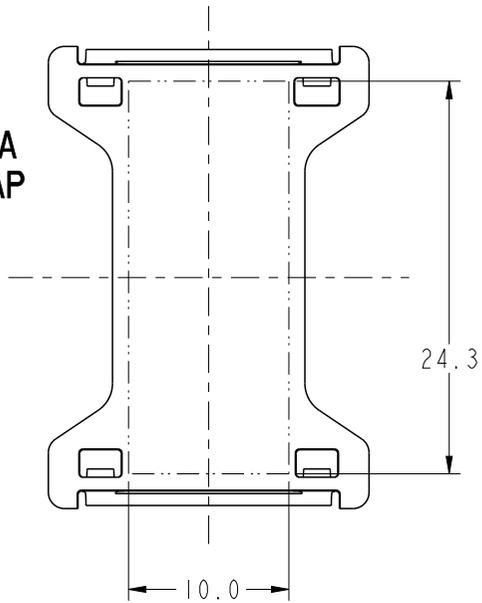


Copyright FCI.

spec ref		-		dr	Bill Lin	2010/02/02	projection 	mm 	size	A4	scale	37:5	
tolerance std	ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED				eng			Nickor Zuo	2011/06/02	ecn no	ELX-DG-003943-1	
						chr			Alex Cao	2011/06/24		product family	GIG-Array
surface	✓	linear	0.X	±0.30	 www.fci.com	title GIG-Array 15mm PLUG ASSY. 296 SIG. POS.	dwg no 55700	rev H	cat. no.		Product - Customer Drw		sheet 3 of 5
-	angular	0°	±2°	Product - Customer Drw					sheet 3 of 5				

PreE File - REV C - 2009-06-09

**FLAT AREA
PICK-UP CAP**



END VIEW OF MATED CONNECTORS

DIM. "A"	RECPT. ASSY. P/N
20	55701
30	55733



Copyright FCI.

spec ref		-		dr	Bill Lin	2010/02/02	projection 	mm 	size	A4	scale	1:10	
tolerance std	ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED				eng			Nickor Zuo	2011/06/02	ecn no	ELX-DG-003943-1	
						chr			Alex Cao	2011/06/24		product family	GIG-Array
surface	✓	linear	0.X	±0.30	 title GIG-Array 15mm PLUG ASSY. 296 SIG. POS. www.fci.com	cat. no.			Product - Customer Drw	dwg no	55700		rev
		linear	0.XX	±0.10			sheet 4 of 5						
		angular	0°	±2°									

PRODUCT NUMBER	SOLDER BALL COMPOSITION	CONTACT PLATING PERFORMANCE LEVEL
55700-001	STANDARD (EUTECTIC)	PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-192, INCLUDING TELCORDIA CENTRAL OFFICE
55700-001LF	LEADFREE	
55700-201	STANDARD (EUTECTIC)	Au over Ni
55700-201LF	LEADFREE	

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 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	Bill Lin	2010/02/02	projection 	mm 	size	A4	scale	1:10
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Nickor Zuo	2011/06/02			ecn no	ELX-DG-003943-1		
ASME Y14.5		chr	Alex Cao	2011/06/24			rel level	Released		
surface	linear	appr	Pei-Ming Zheng	2011/06/27	product family	GIG-Array		rev	H	
-		angular	www.fci.com		cat. no.	Product - Customer Drw		sheet 5 of 5		
					title	GIG-Array		dwg no	55700	
						15mm PLUG ASSY. 296 SIG. POS.				