

rev	ecn no	dr	date
A	V09-0080	DKH	2009-02-18

A

B

C

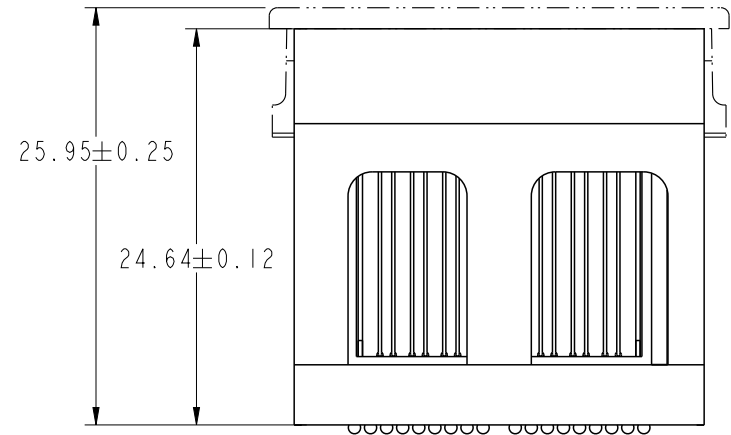
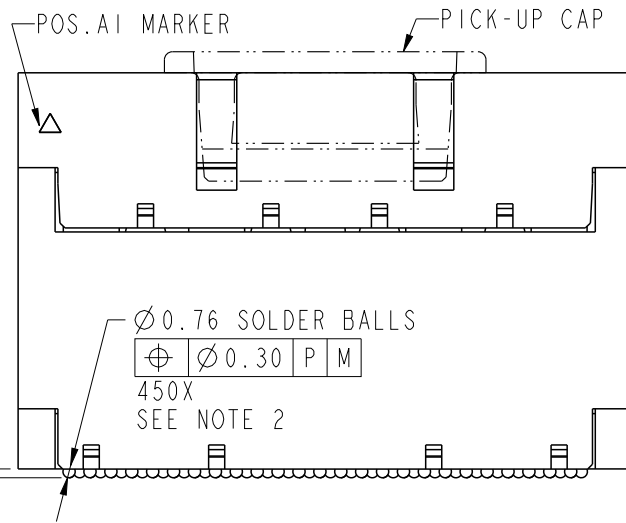
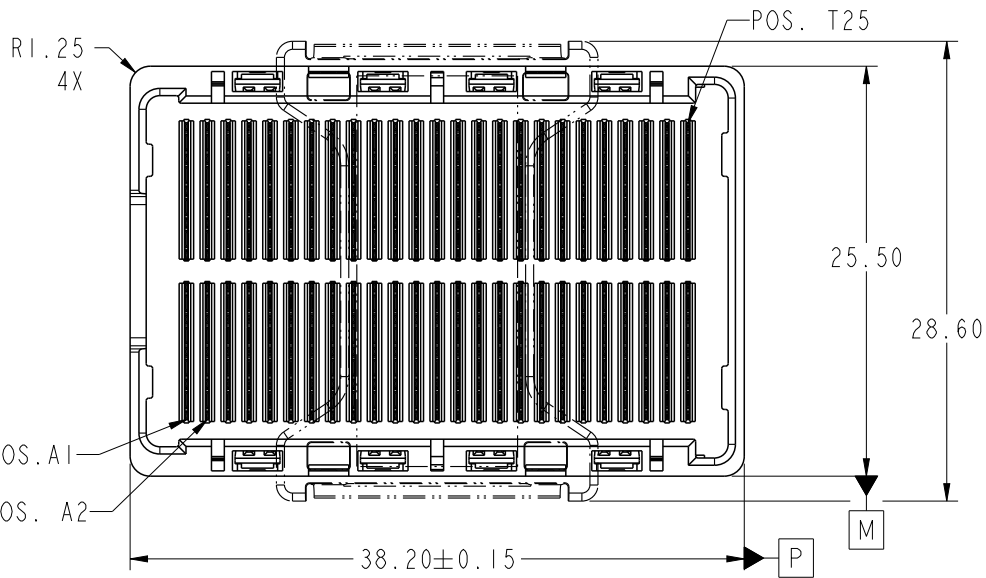
D

A

B

C

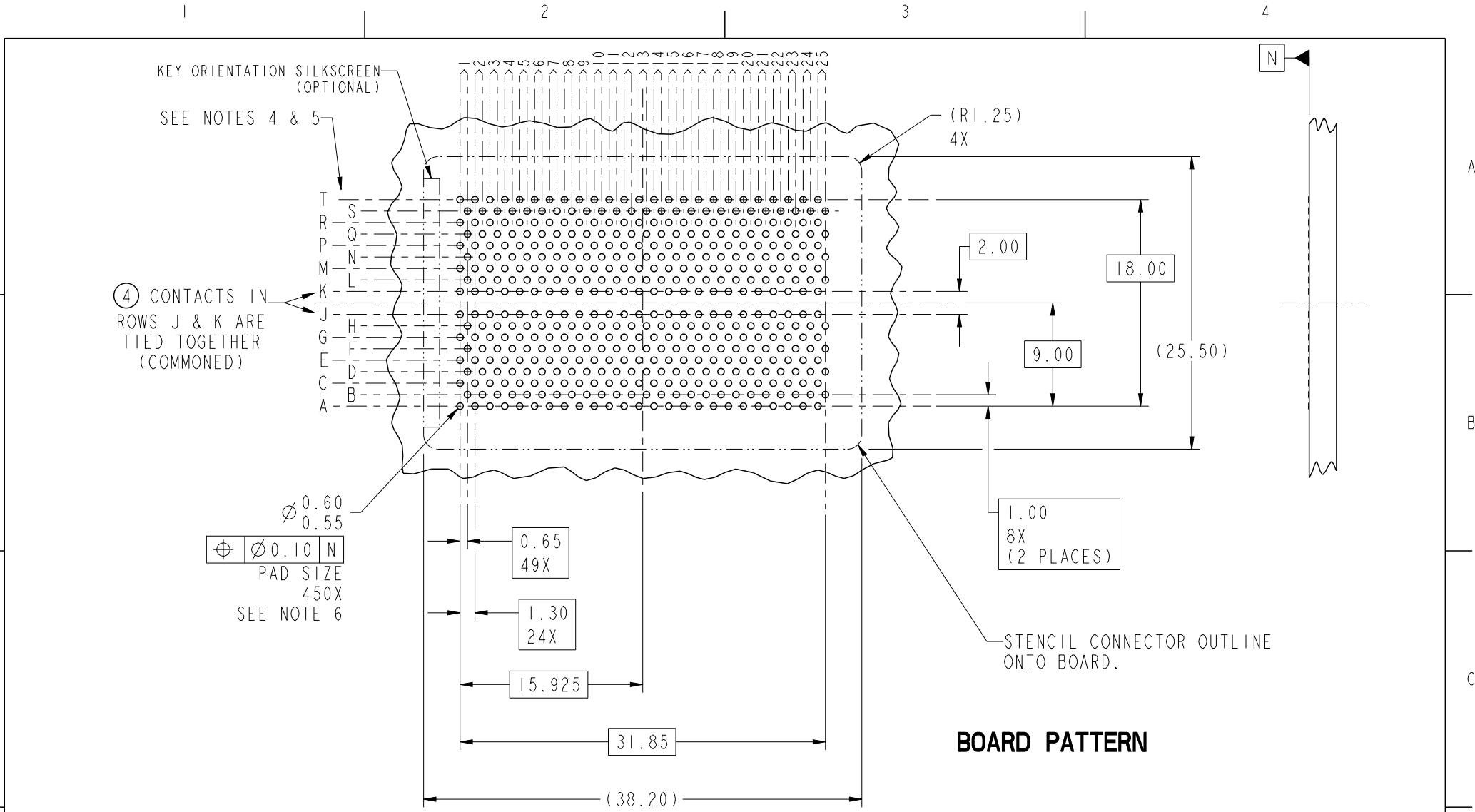
D



spec ref	-			dr	Bill Lin	2010/02/02	projection	mm	size	A4	scale	1:1	
tolerance std	ASME Y14.5			eng	Nickor Zuo	2011/06/01			ecn no	ELX-DG-003943-1			
	TOLERANCES UNLESS OTHERWISE SPECIFIED			chr	Alex Cao	2011/06/24				product family	GIG-Array	rel level	Released
surface		linear	0.X	± 0.30	appr	Pei-Ming Zheng	2011/06/27	GIG-Array		10096467		rev	B
-		angular	0°	$\pm 2^\circ$	www.fci.com		cat. no.	Product - Customer Drw			sheet 1 of 5		



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BOARD PATTERN

spec ref		-		dr	Bill Lin	2010/02/02	projection 	mm 	size	A4	scale	1:1			
tolerance std		ASME Y14.5		eng	Nickor Zuo	2011/06/01			ecn no	ELX-DG-003943-1					
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Alex Cao	2011/06/24	product family	GIG-Array				rel level	Released				
surface	✓	linear	0.X	±0.30	FCI 	title	GIG-Array	dwg no	10096467	rev	B				
			0.XX	±0.10								www.fci.com	cat. no.	Product - Customer Drw	sheet 2 of 5
			0.XXX	±0.05											
		angular	0°	±2°											

PrdE File - REV C - 2009-06-09

1

2

3

4

A

B

C

D

A

B

C

D

D1
SIGNAL/GROUND

C1
GROUND

B1
SIGNAL/GROUND

A1
GROUND

A2
GROUND

A3
GROUND

B2-B3
DIFFERENTIAL PAIR
TYPICAL

PLUG INTERFACE DESCRIPTION

spec ref		-		dr	Bill Lin	2010/02/02	projection 	mm 	size	A4	scale	1:1				
tolerance std	ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED				eng			Nickor Zuo	2011/06/01	ecn no	ELX-DG-003943-1				
						chr			Alex Cao	2011/06/24		rel level	Released			
surface	✓	linear	0.X	±0.30		title	GIG-Array		dwg no	10096467			rev			
			0.XX	±0.10								cat. no.		Product - Customer Drw		sheet 3 of 5
			0.XXX	±0.05												
		angular	0°	±2°												

PrdE File - REV C - 2009-06-09

2

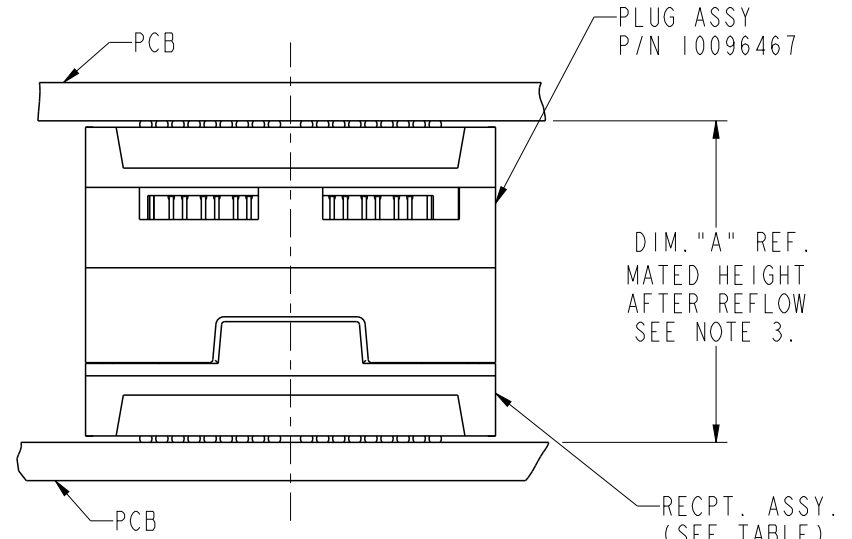
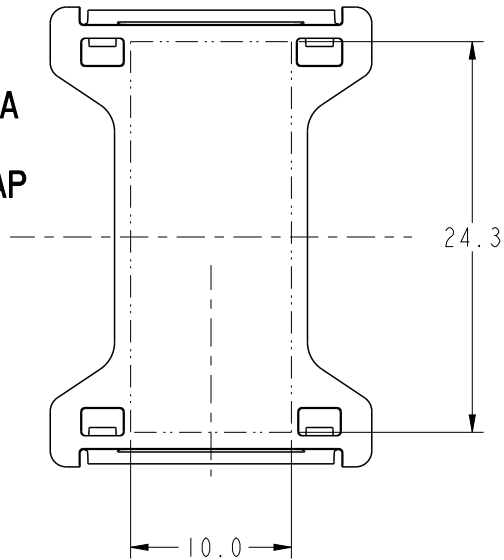
3

4



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FLAT AREA
FOR
PICK-UP CAP



END VIEW OF MATED CONNECTORS

DIM. "A"	RECPT. ASSY. P/N
30	55740
36	10081496
40	10060912



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spec ref		-		dr	Bill Lin	2010/02/02	projection 	mm 	size	A4	scale	1:1
tolerance std	ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Nickor Zuo	2011/06/01			ecn no	ELX-DG-003943-1		
				chr	Alex Cao	2011/06/24				rel level	Released	
surface	✓	linear	0.X	±0.30	 www.fci.com	title GIG-Array 25mm PLUG ASSY. 200 SIG. POS.	dwg no 10096467	rev B				
			0.XX	±0.10								
			0.XXX	±0.05								
		angular	0°	±2°	cat. no.	Product - Customer Drw		sheet 4 of 5				

PRODUCT NUMBER	SOLDER BALL COMPOSITION	CONTACT PLATING PERFORMANCE LEVEL
10096467-001	STANDARD (EUTECTIC)	PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-192, INCLUDING TELCORDIA CENTRAL OFFICE
10096467-001LF	LEADFREE	

NOTES:

- ① MAT'L:
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.
- 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 THIS DIRECTIVE IS IDENTIFIED IN HTE LOT CODE NUMBER MARKED ON EACH PART BY HAVING AN "X" IN THE SEVENTH CHARACTER POSITION.



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spec ref	-			dr	Bill Lin	2010/02/02	projection 	mm 	size	A4	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Nickor Zuo	2011/06/01			ecn no	ELX-DG-003943-1		
ASME Y14.5	-			chr	Alex Cao	2011/06/24				rel level	Released	
surface	linear	0.X	±0.30	appr	Pei-Ming Zheng	2011/06/27	product family	GIG-Array		rev	B	
-		0.XX	±0.10					www.fci.com	cat. no.			Product - Customer Drw
	0.XXX	±0.05	title	GIG-Array	dwg no	10096467						
	angular	0°					±2°	25mm PLUG ASSY. 200 SIG. POS.				