

rev	ecn no	dr	date
A	V06-0001	DAI	2006-01-10
B	V06-0109	LP	2006-04-21
C	V06-0558	LP	2006-06-12
D	V08-0329	SM	2008-11-15

A

B

C

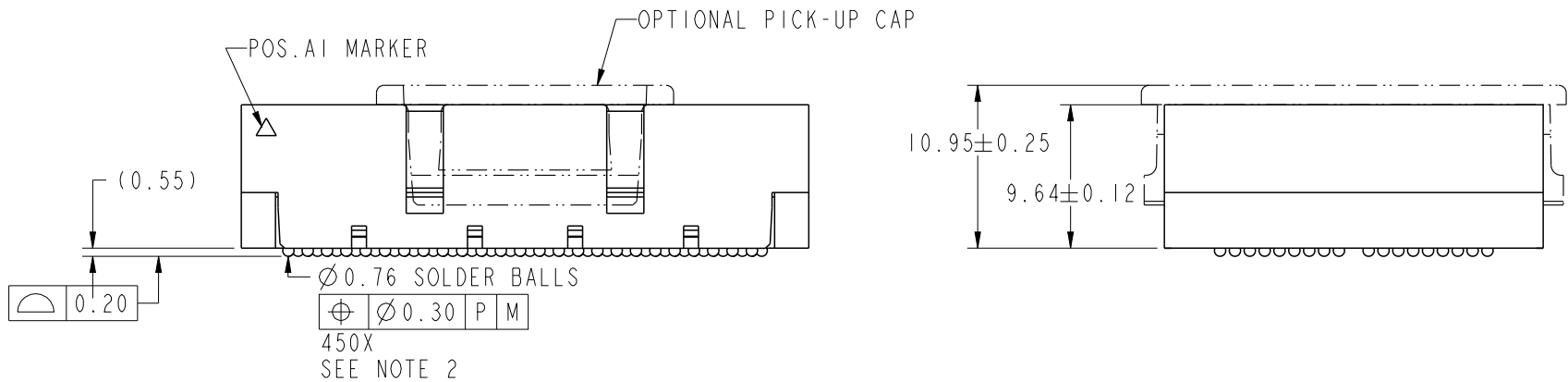
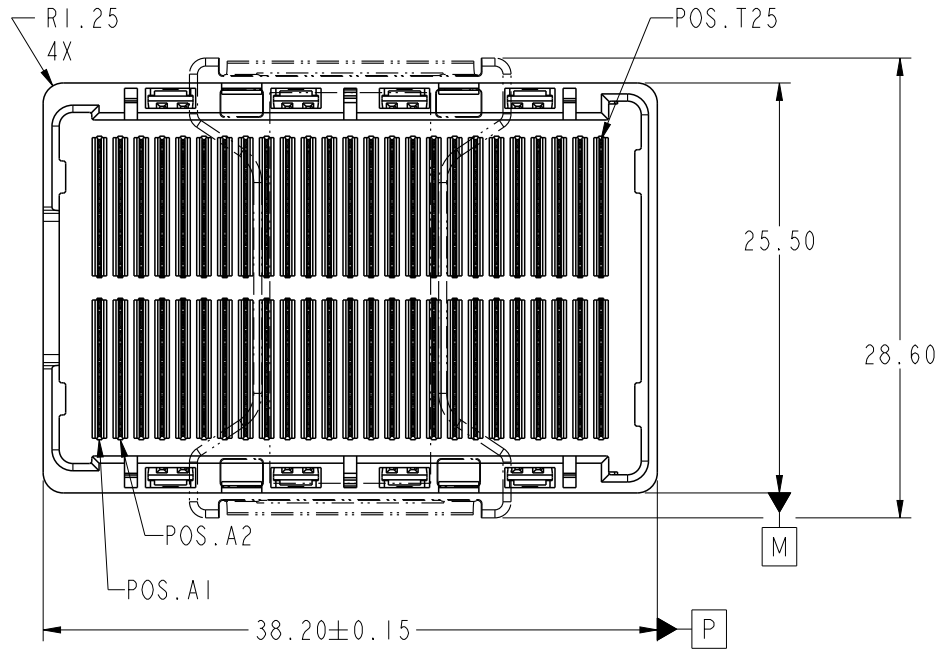
D

A

B

C

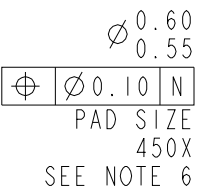
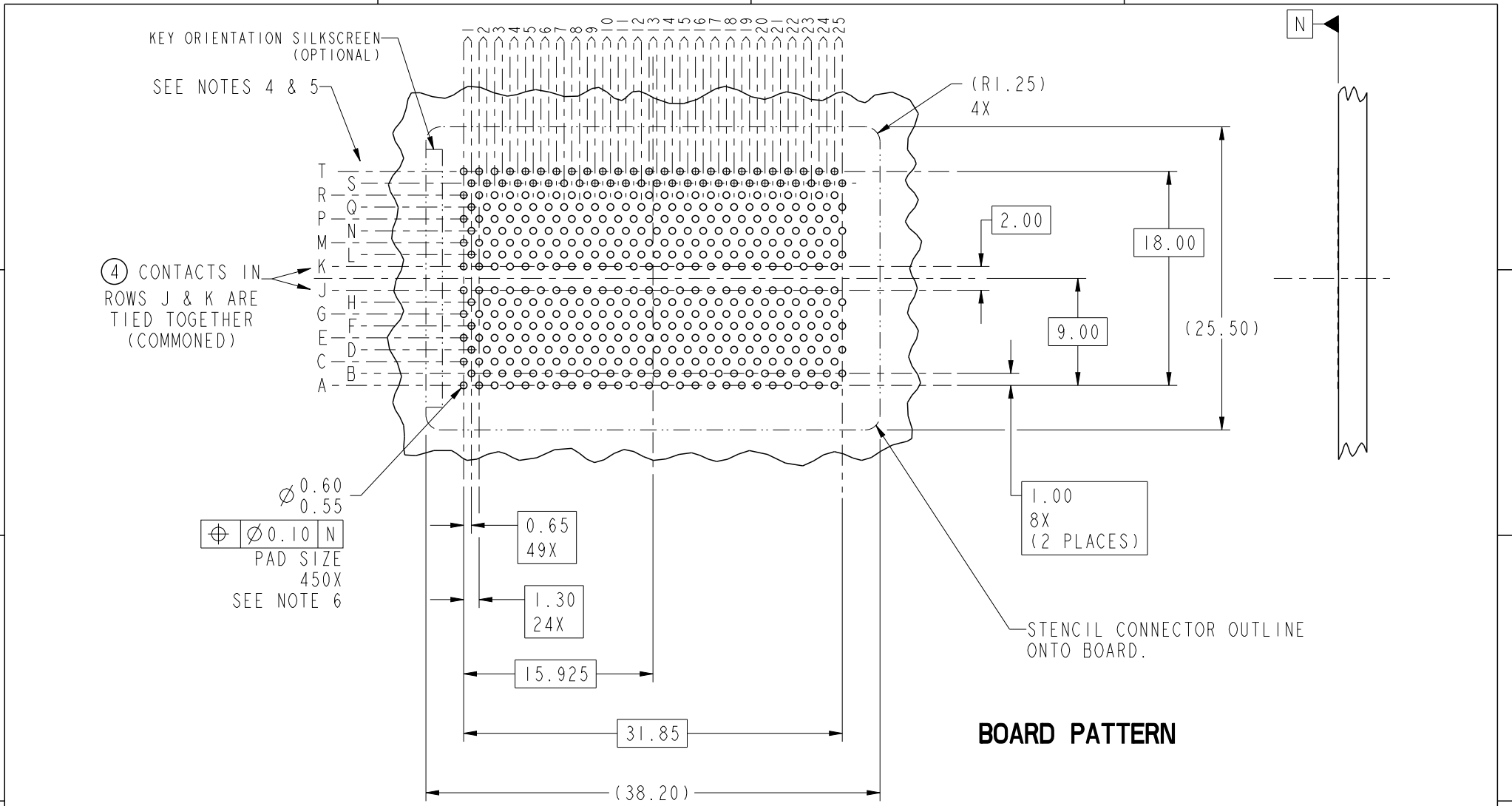
D



spec ref	-	dr	Bill Lin	2010/02/02	projection 	mm 	size	A4	scale	3:10
tolerance std	ASME Y14.5	eng	Nickor Zuo	2011/06/09			ecn no	ELX-DG-003943-1		
	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	Alex Cao	2011/06/24			product family	GIG-Array		
		appr	Pei-Ming Zheng	2011/06/27			rel level	Released		
surface	✓	linear	0.X	± 0.30	 GIG-Array 10mm PLUG ASSY. 200 SIG. POS. www.fci.com	dwg no 55737	rev	E		
			0.XX	± 0.10			cat. no.	Product - Customer Drw		
			0.XXX	± 0.05			sheet 1 of 5			
		angular	0°	$\pm 2^\circ$						



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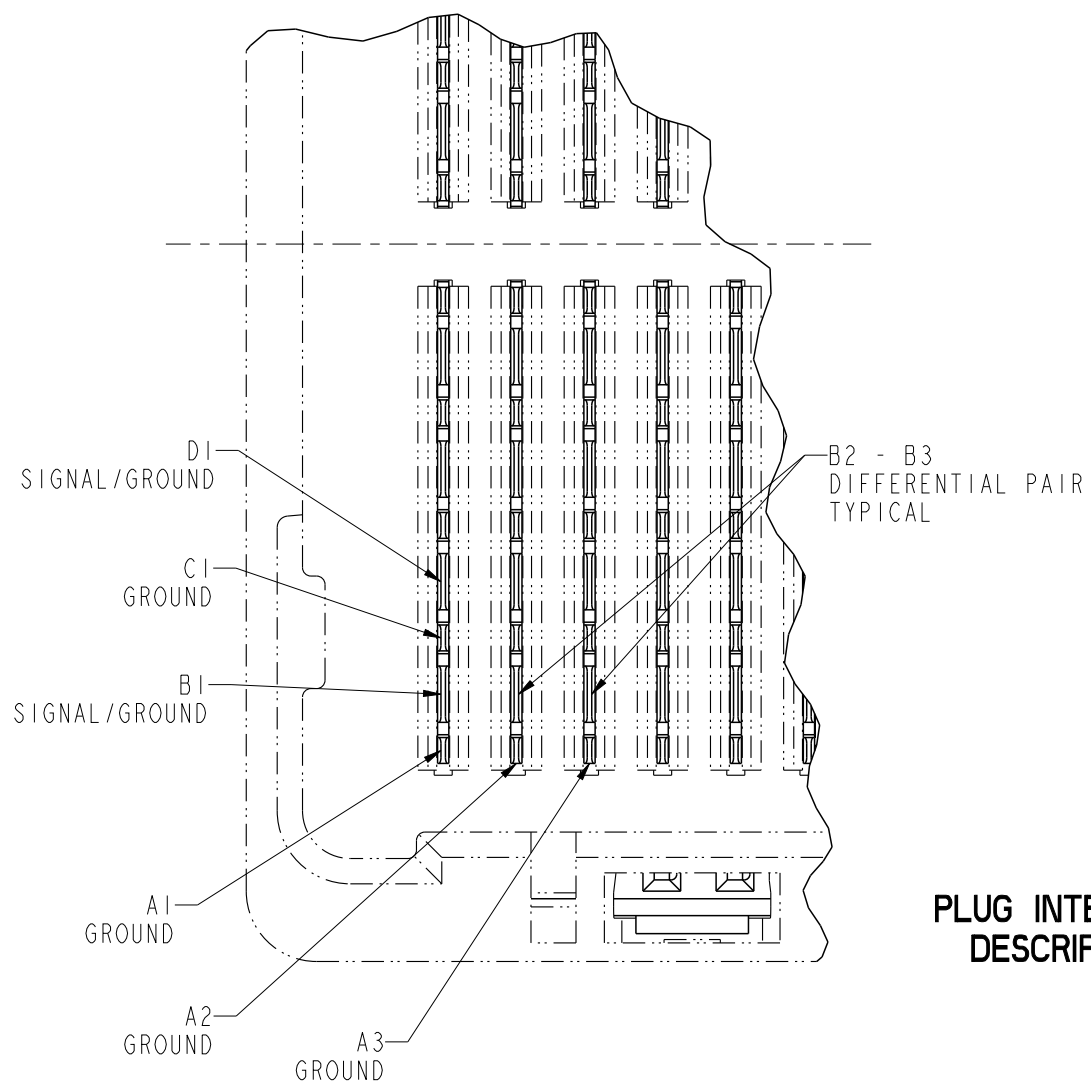
BOARD PATTERN

spec ref		-		dr	Bill Lin	2010/02/02	projection 	mm 	size	A4	scale	21:10
tolerance std		ASME Y14.5		eng	Nickor Zuo	2011/06/09			ecn no	ELX-DG-003943-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED				chr	Alex Cao	2011/06/24			rel level	Released		
surface		✓		appr	Pei-Ming Zheng	2011/06/27	product family		GIG-Array			
linear		0.X	±0.30			title GIG-Array 10mm PLUG ASSY. 200 SIG. POS.		dwg no 55737		rev E		
linear		0.XX	±0.10									
linear		0.XXX	±0.05									
angular		0°	±2°	www.fci.com		cat. no.		Product - Customer Drw		sheet 2 of 5		

PrdE File - REV C - 2009-06-09



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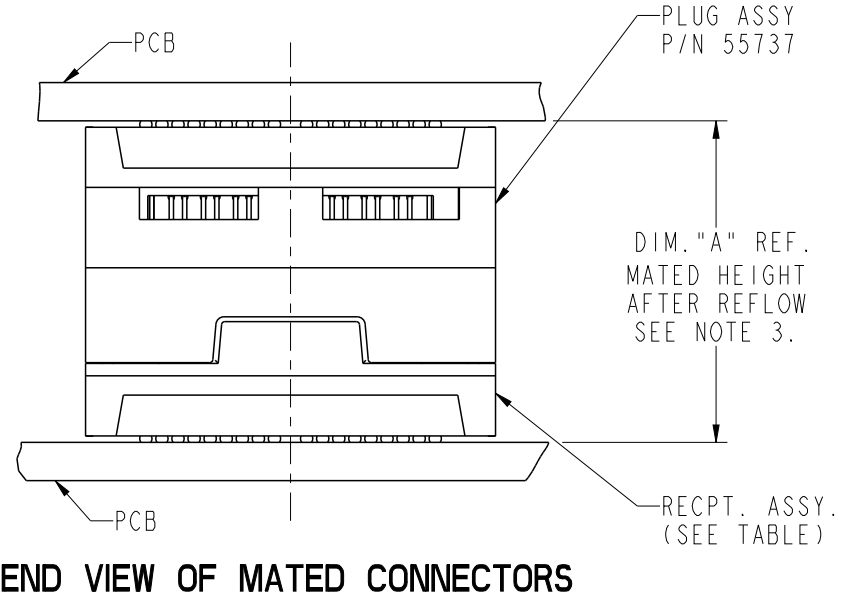
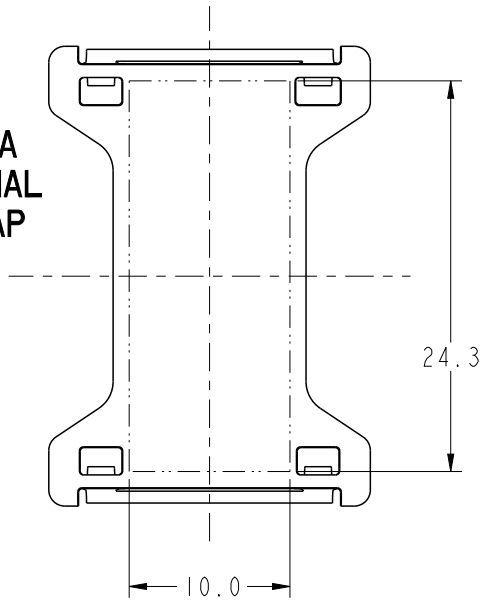


PLUG INTERFACE DESCRIPTION

spec ref		-		dr	Bill Lin	2010/02/02	projection 	mm 	size	A4	scale	3:10		
tolerance std	ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED				eng			Nickor Zuo	2011/06/09	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			dwg no	55737				
			0.XX	±0.10		GIG-Array				rev	E			
			0.XXX	±0.05		10mm PLUG ASSY. 200 SIG. POS.								
		angular	0°	±2°	cat. no.	Product - Customer Drw				sheet 3 of 5				

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FLAT AREA
FOR OPTIONAL
PICK-UP CAP



END VIEW OF MATED CONNECTORS

DIM. "A"	RECPT. ASSY. P/N
15	55740
20	10026010
25	55741



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spec ref		-		dr	Bill Lin	2010/02/02	projection 	mm 	size	A4	scale	3:10			
tolerance std	ASME Y14.5	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Nickor Zuo	2011/06/09			ecn no	ELX-DG-003943-1					
				chr	Alex Cao	2011/06/24				rel level	Released				
surface	✓	linear	0.X	±0.30	FCI 	title	GIG-Array	dwg no	55737		rev	E			
			0.XX	±0.10						www.fci.com			cat. no.	Product - Customer Drw	sheet 4 of 5
			0.XXX	±0.05											
		angular	0°	±2°	Product - Customer Drw		sheet 4 of 5								

PRODUCT NUMBER	SOLDER BALL COMPOSITION	CONTACT PLATING PERFORMANCE LEVEL
55737-001	STANDARD (EUTECTIC)	PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-192, INCLUDING TELCORDIA CENTRAL OFFICE Au over Ni
55737-001LF	LEADFREE	
55737-201	STANDARD (EUTECTIC)	
55737-201LF	LEADFREE	

NOTES:

- ① MAT'L:
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, 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. 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	Bill Lin	2010/02/02	projection 	mm 	size	A4	scale	3:10
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Nickor Zuo	2011/06/09			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	E	
-		angular	0°	±2°	www.fci.com	cat. no.	Product - Customer Drw			sheet 5 of 5
		FCI		title		GIG-Array		dwg no		55737
						10mm PLUG ASSY. 200 SIG. POS.				



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