



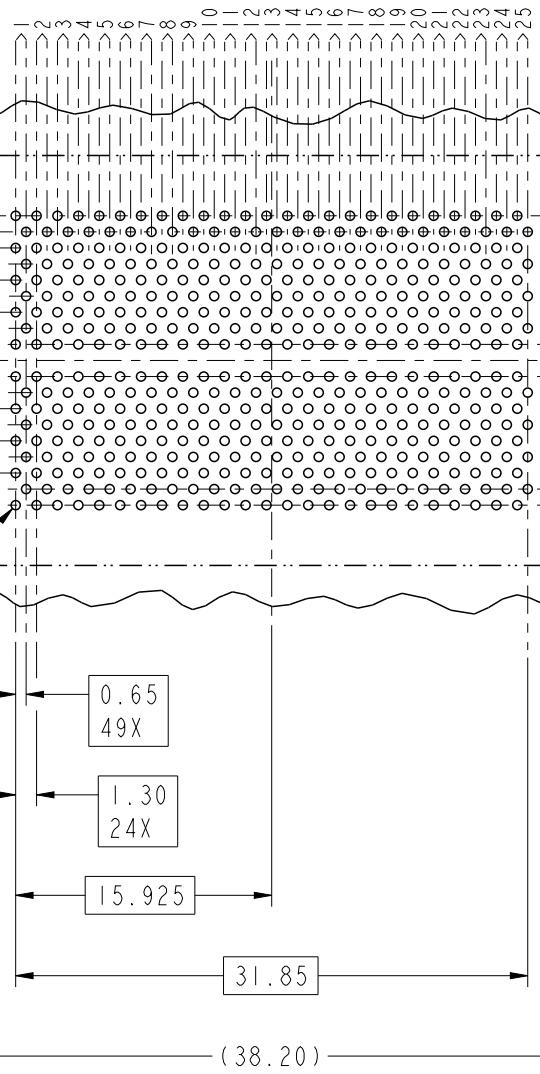
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KEY ORIENTATION SILKSCREEN
(OPTIONAL)

SEE NOTES 4 & 5

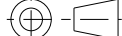
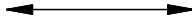
④ CONTACTS IN
ROWS J & K ARE
TIED TOGETHER
(COMMONED)

$\phi 0.60$
 $\phi 0.55$
 $\phi 0.10$ N
PAD SIZE
450X
SEE NOTE 6



STENCIL CONNECTOR OUTLINE
ONTO BOARD.

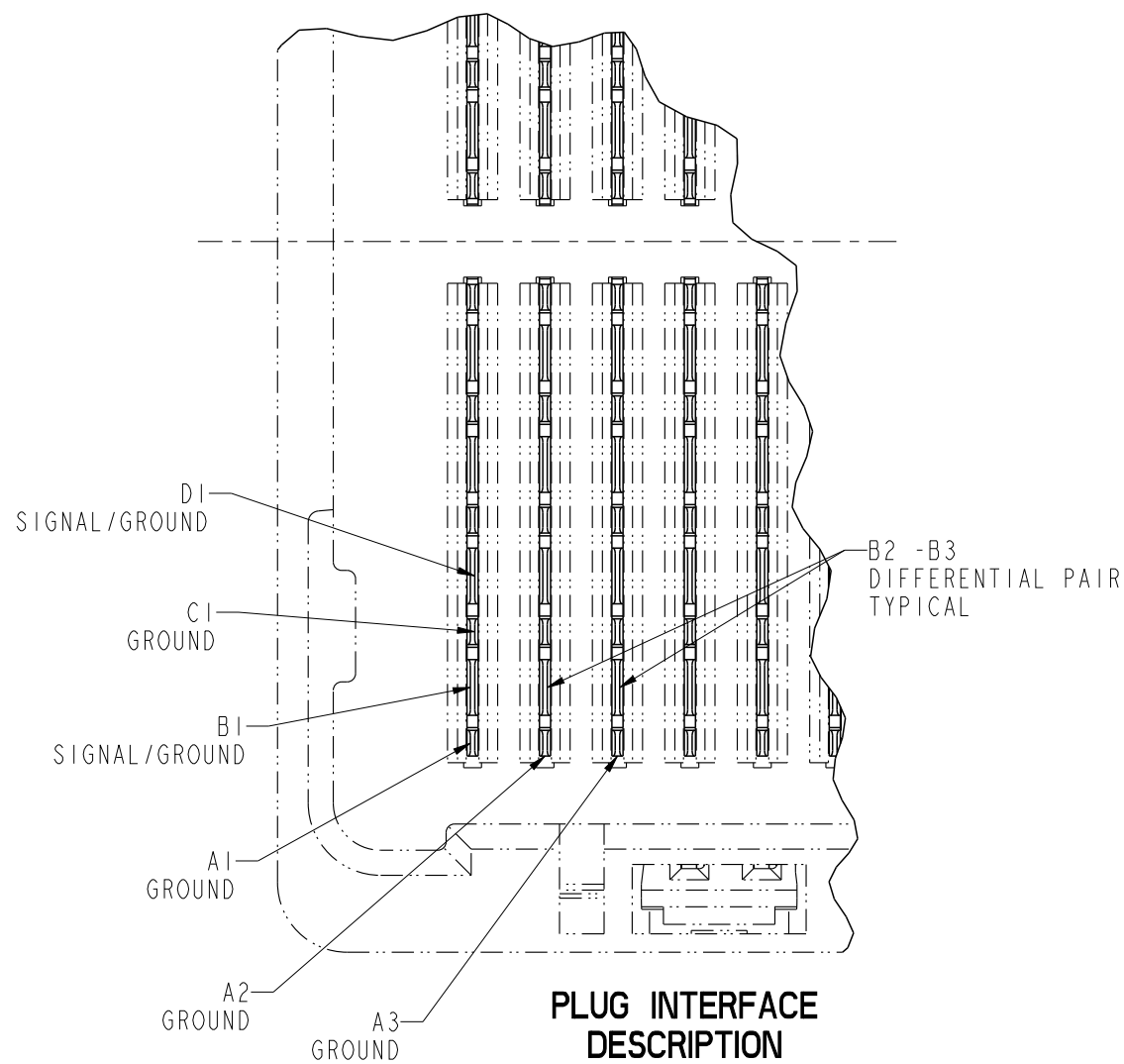
BOARD PATTERN

spec ref -				dr Bill Lin 2010/02/02		projection 	mm 	size A4	scale 21:10
tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng Nickor Zuo 2011/05/26				ecn no ELX-DG-003943-1	
				chr Alex Cao 2011/06/24				rel level Released	
				appr Pei-Ming Zheng 2011/06/27					
surface  -		linear	0.X	±0.30		title GIG-Array 20mm PLUG ASSY. 200 SIG. POS.		dwg no 55739	rev E
			0.XX	±0.10					
			0.XXX	±0.05					
		angular	0°	±2°					

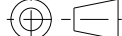
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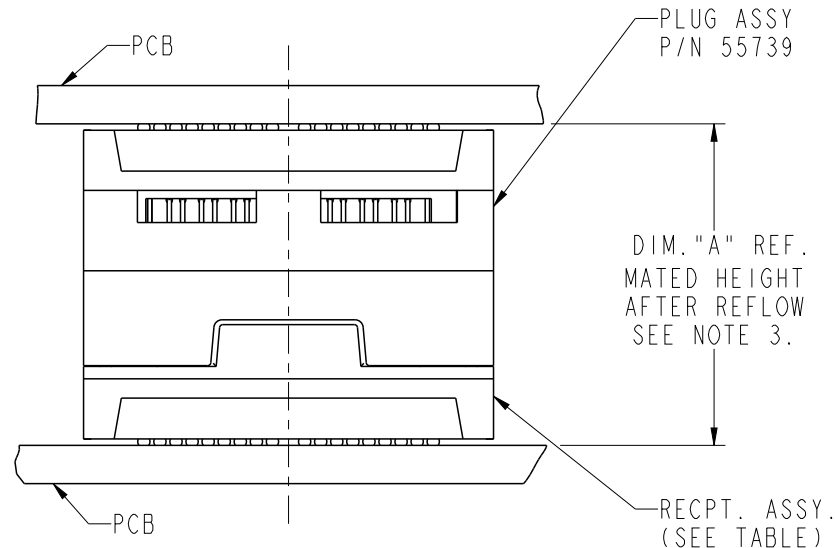
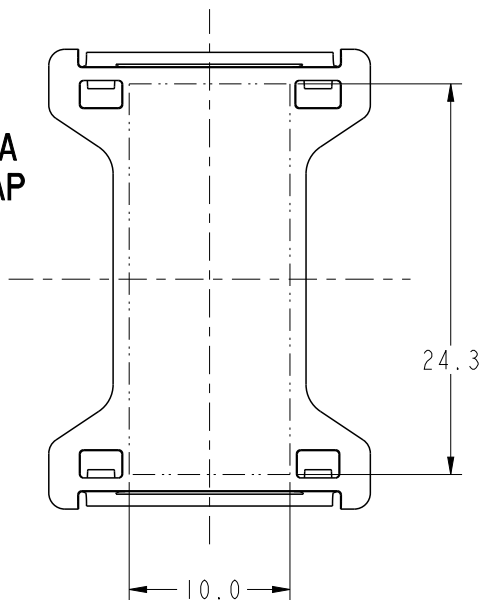


PLUG INTERFACE DESCRIPTION

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 2011/05/26				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 	linear	0.X	±0.30		title GIG-Array 20mm PLUG ASSY. 200 SIG. POS.	dwg no 55739	rev E		
		0.XX	±0.10						
		0.XXX	±0.05						
	-	angular	0°						±2°

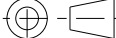
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FLAT AREA
PICK-UP CAP



END VIEW OF MATED CONNECTORS

DIM. "A"	RECPT. ASSY. P/N
25	55740
30	10026010
35	55741

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	2011/05/26			ecn no	ELX-DG-003943-1			
				chr	Alex Cao	2011/06/24							
				appr	Pei-Ming Zheng	2011/06/27							product family
surface ✓ -	linear	0.X	±0.30		title GIG-Array 20mm PLUG ASSY. 200 SIG. POS.				dwg no	55739		rev	E
		0.XX	±0.10										
		0.XXX	±0.05										
	angular	0°	±2°										

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PRODUCT NUMBER	SOLDER BALL COMPOSITION	CONTACT PLATING PERFORMANCE LEVEL
55739-001	STANDARD (EUTECTIC)	PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-192, INCLUDING TELCORDIA CENTRAL OFFICE
55739-001LF	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.
- ⑥ SPECIFIED POSITIONAL TOLERANCE DEFINES PAD TO PAD LOCATION WITHIN LAND PATTERN. POSITIONAL TOLERANCE OF LAND PATTERN TO FIDUCIAL 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	3:10	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Nickor Zuo	2011/05/26			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	✓	linear	0.X	±0.30		title	GIG-Array		dwg no	55739		rev	E
			0.XX	±0.10									
			0.XXX	±0.05									
	-	angular	0°	±2°	www.fci.com	cat. no.	Product - Customer Drw				sheet 5 of 5		

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