

Profile File - REV C - 2009-06-09

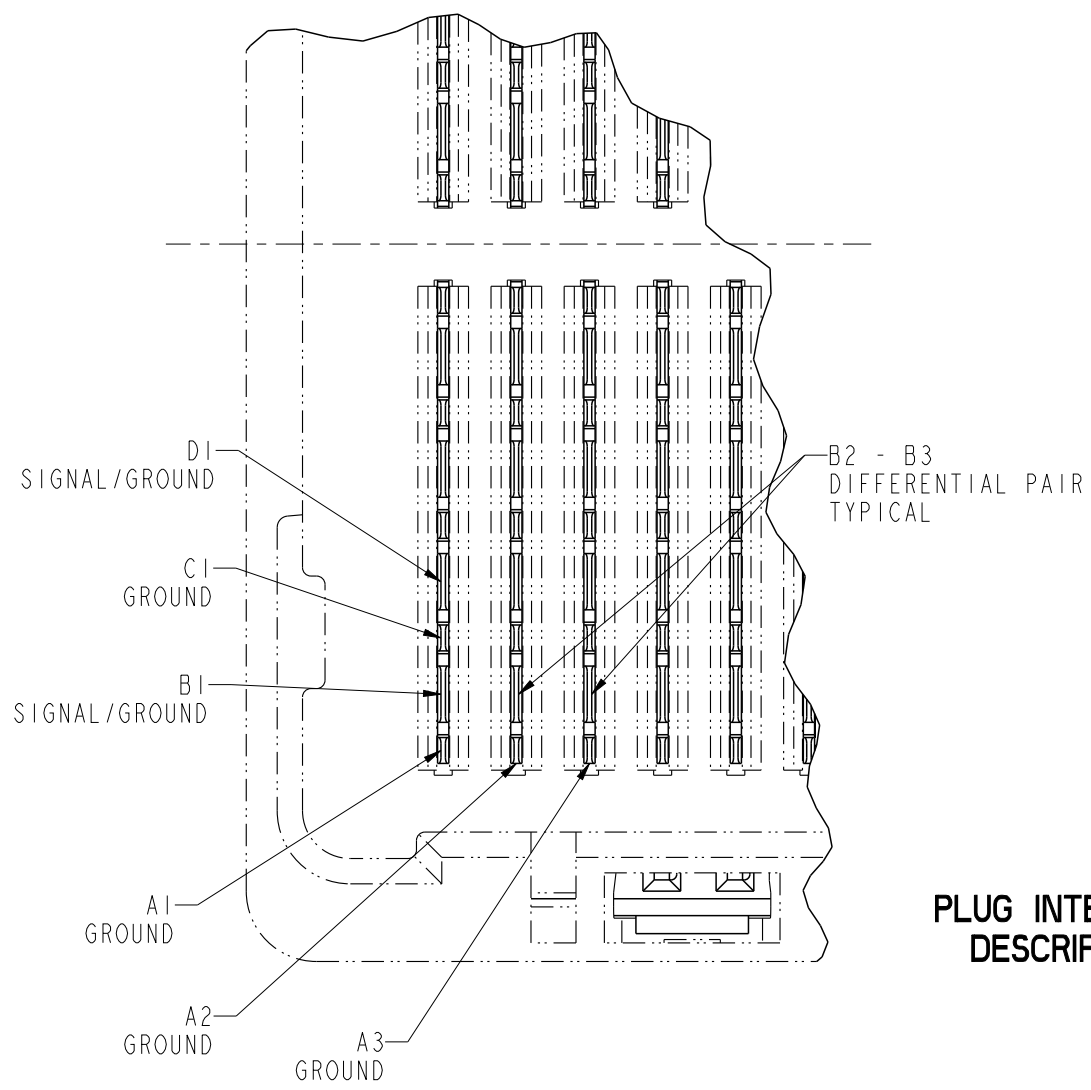


D

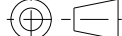
spec ref -				dr Bill Lin 2010/02/02		projection				size A4		scale 21:10	
tolerance std ASME Y14.5 - TOLERANCES UNLESS OTHERWISE SPECIFIED				eng Nickor Zuo 2011/06/09						ecn no ELX-DG-003943-1			
				chr Alex Cao 2011/06/24									
				appr Pei-Ming Zheng 2011/06/27						product family GIG-Array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



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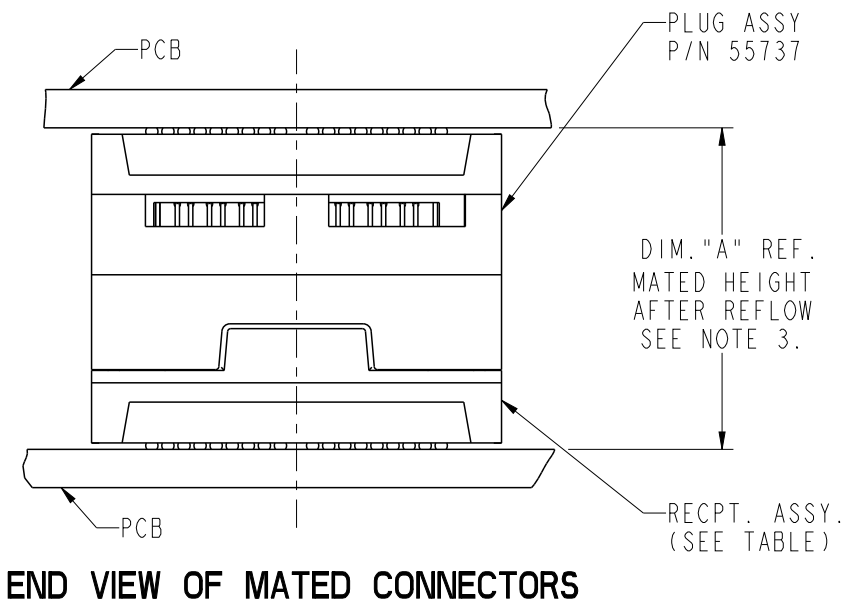
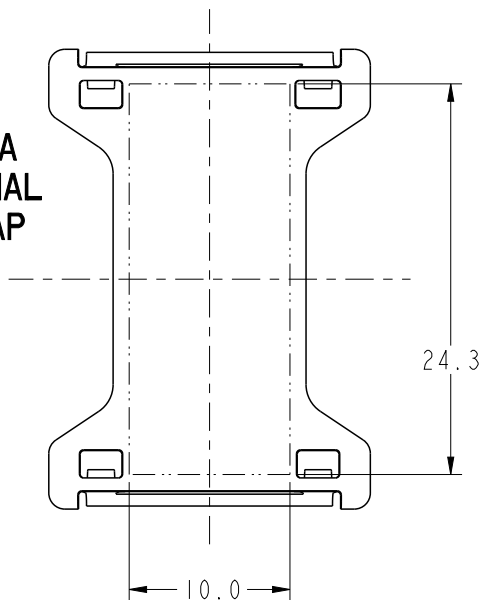


PLUG INTERFACE DESCRIPTION

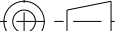
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tolerance std ASME Y14.5 -	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng Nickor Zuo 2011/06/09				ecn no ELX-DG-003943-1	
				chr Alex Cao 2011/06/24				rel level Released	
				appr Pei-Ming Zheng 2011/06/27					
surface 	linear	0.X	±0.30		title GIG-Array 10mm PLUG ASSY. 200 SIG. POS.			dwg no 55737	rev E
		0.XX	±0.10						
		0.XXX	±0.05						
	-	angular	0°						

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FLAT AREA
FOR OPTIONAL
PICK-UP CAP



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

spec ref -				dr Bill Lin2010/02/02		projection 	mm 	size A4	scale 3:10
tolerance std ASME Y14.5 -TOLERANCES UNLESS OTHERWISE SPECIFIED				eng Nickor Zuo2011/06/09				ecn no ELX-DG-003943-1	
				chr Alex Cao2011/06/24					
				appr Pei-Ming Zheng2011/06/27		product family GIG-Array		rel level Released	
surface ✓ -	linear	0.X	±0.30		title GIG-Array 10mm PLUG ASSY. 200 SIG. POS.			dwg no 55737	rev E
		0.XX	±0.10						
		0.XXX	±0.05						
	angular	0°	±2°	www.fci.com	cat. no.		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
55737-001LF	LEADFREE	
55737-201	STANDARD (EUTECTIC)	
55737-201LF	LEADFREE	

Au over Ni

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 POSTION.

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							
				appr	Pei-Ming Zheng	2011/06/27				product family		GIG-Array	
surface ✓ -	linear	0.X	±0.30		title	GIG-Array 10mm PLUG ASSY. 200 SIG. POS.			dwg no	55737		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		

Mouser Electronics

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