

Excellent Integrated System Limited

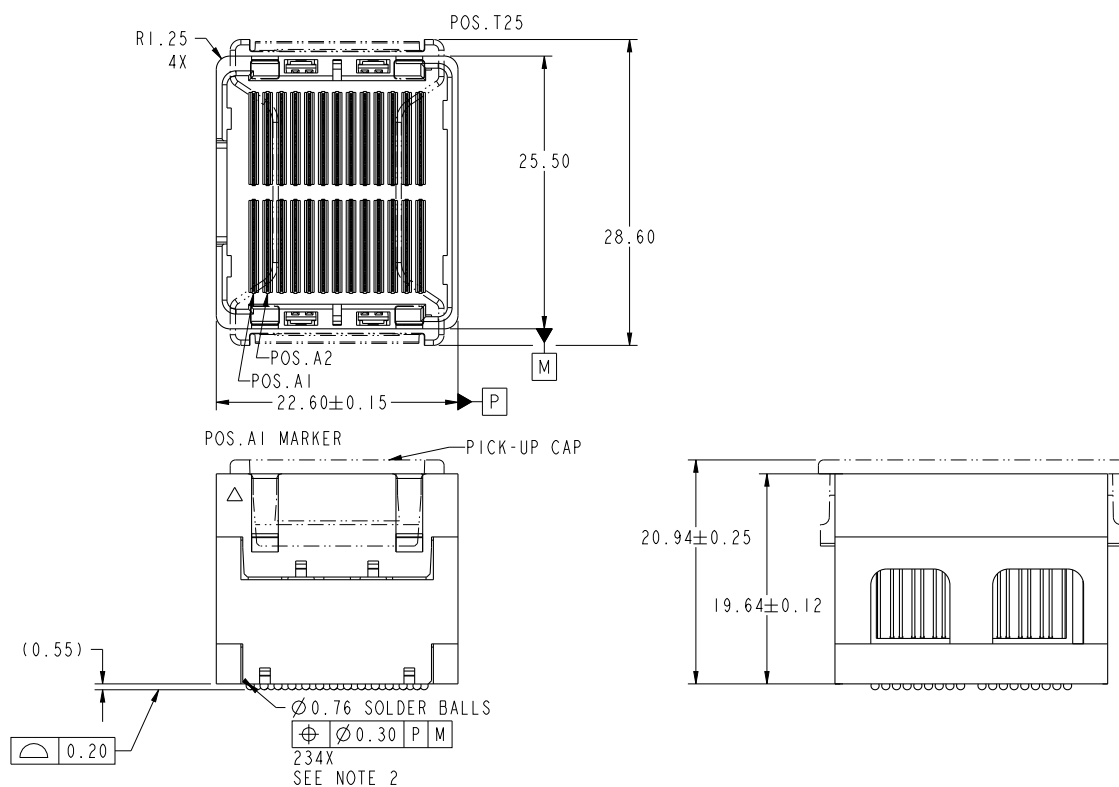
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[FCI](#)
[10122145-001LF](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



spec ref -				dr Tao Zhan 2012/11/14				projection mm		size A4		scale 2:1	
tolerance std ASME Y14.5 -		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Sky Chen 2013/10/17				ecn no -					
				chr - -									
				appr Pei-Ming Zheng 2013/10/17		product family GIG-Array		rel level Released					
surface ✓		linear				title GIG-Array 20mm PLUG ASSY. 104 SIG. POS.				dwg no 10122145		rev A	
		0.X ±0.30											
		0.XX ±0.20											
		0.XXX ±0.10											
-		angular 0° ±2°		www.fci.com		cat. no. *		Product - Customer Drw				sheet 1 of 5	

A

B

C

D

A

B

C

D

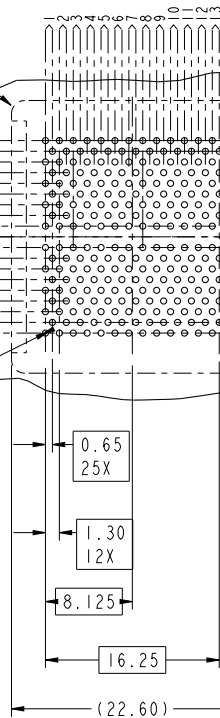
KEY ORIENTATION SILKSCREEN
(OPTIONAL)

SEE NOTES 4 & 5

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

Ø 0.60
Ø 0.55
PAD SIZE
234X
SEE NOTE 6

T
R
S
Q
P
N
M
L
K
J
H
G
F
E
D
C
B
A



(R1.25)
4X

STENCIL CONNECTOR OUTLINE
ONTO BOARD.

BOARD PATTERN

spec ref				-		dr	Tao Zhan		2012/11/14		projection		mm	size	A4		scale	2:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Sky Chen		2013/10/17		chr	-					ecn no	-				
ASME Y14.5				appr	Pei-Ming Zheng		2013/10/17		product family				GIG-Array				rel level		Released	
surface			linear	0.X	±0.30			title					GIG-Array	dwg no	10122145				rev	A
				0.XX	±0.20															
				0.XXX	±0.10															
-		angular	0°	±2°		www.fci.com		cat. no.		*		Product - Customer Drw				sheet 2 of 5				

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1

2

3

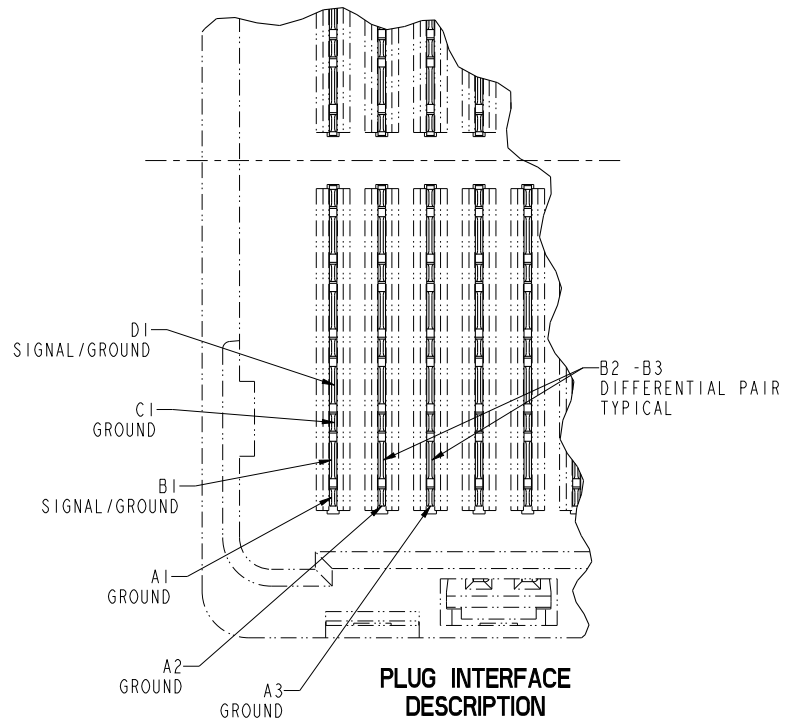
PDS: Rev :A

STATUS:Released

Printed: Oct 17, 2013



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spec ref				-		dr		Tao Zhan		2012/11/14		projection				mm		size		A4		scale		7:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng		Sky Chen		2013/10/17				ecn no		-									
ASME Y14.5						chr		-		-				product family		GIG-Array		rel level		Released					
-						appr		Pei-Ming Zheng		2013/10/17				dwg no		10122145		rev		A					
surface		✓		linear		0.X		±0.30				title		GIG-Array		20mm PLUG ASSY. 104 SIG. POS.		cat. no.		Product - Customer Drw		sheet 3 of 5			
		0.XX		±0.20																					
		0.XXX		±0.10																					
-		angular		0°		±2°		www.fci.com																	

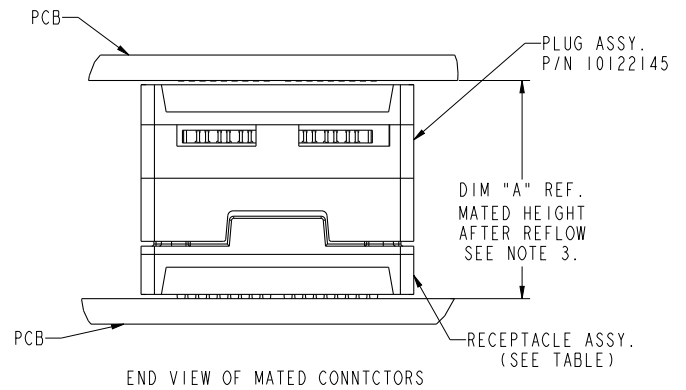
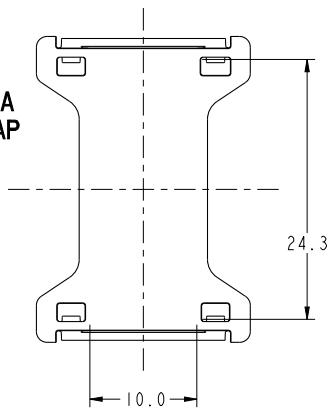
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FLAT AREA
PICK-UP CAP



DIM."A"	RECPT. ASSY. P/N
25	10014370

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tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng	Sky Chen		2013/10/17						ecn no	-												
ASME Y14.5						chr	-		-		-		-		-													
-		appr		Pei-Ming Zheng		2013/10/17		product family				GIG-Array				rel level				Released								
surface		linear	0.X	±0.30			title						GIG-Array						dwg no				10122145				rev	
			0.XX	±0.20																								
			0.XXX	±0.10																								
-		angular	0°	±2°		www.fci.com		cat. no.				Product - Customer Drw				sheet 4 of 5												

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PRODUCT NUMBER	SOLDER BALL COMPOSITION	CONTACT PLATING PERFORMANCE LEVEL
10122145-001	STANDARD (EUTECTIC)	PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-192, INCLUDING TELCORDIA CENTRAL OFFICE
10122145-001LF	LEADFREE	
10122145-201	STANDARD (EUTECTIC)	
10122145-201LF	LEADFREE	

Au OVER Ni

NOTES:

- MATERIAL:
HOUSING: LCP
UL RATING: 94 V-0
CONTACT: COPPER ALLOY
PLATING (CONTACT): Au OVER Ni.
SOLDER BALL: (SEE TABLE) EUTECTIC
SnPb OR LEADFREE 95.5 Sn/4Ag/0.5Cu
- SOLDER BALLS WILL NOT BE PERFECT SPHERICAL SHAPE DUE TO REFLOW ATTACHMENT.
- MATED HEIGHT EFFECTED BY CUSTOMERS' PCB PAD SIZE, PLATING, SOLDER REFLOW PROFILE & SOLDER PASTE.
- 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))
- CONTACTS IN ROWS B,D,F,H,L,N,Q AND S ARE DUAL BEAM CONTACTS, TYPICALLY USED AS SIGNAL PINS.
- 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.
- 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.
- 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.

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ASME Y14.5						chr		-		-																					
-						appr		Pei-Ming Zheng		2013/10/17		product family				GIG-Array				rel level				Released							
surface				linear		0.X		±0.30				title		GIG-Array						dwg no		10122145						rev		A	
				0.XX		±0.20																									
				0.XXX		±0.10																									
-		angular		0°		±2°		www.fci.com		cat. no.						Product - Customer Drw				sheet 5 of 5											

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