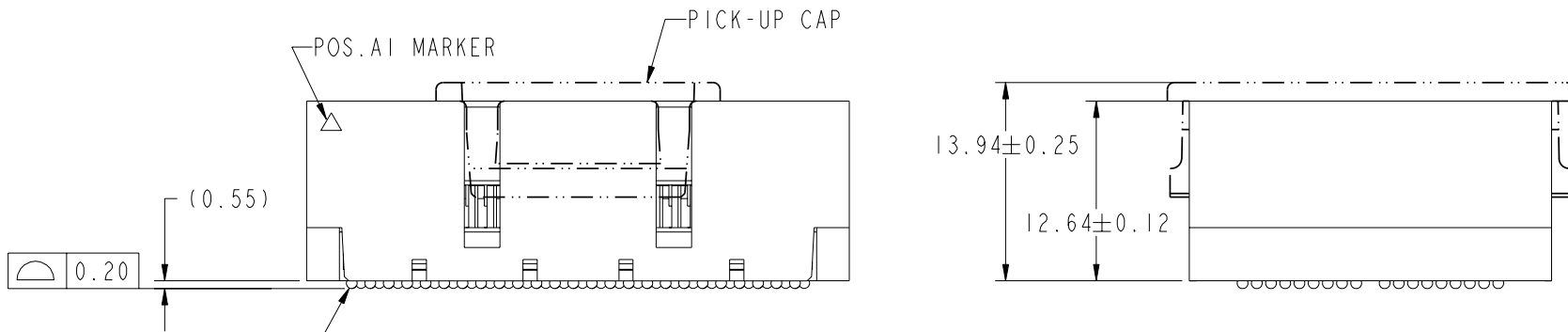
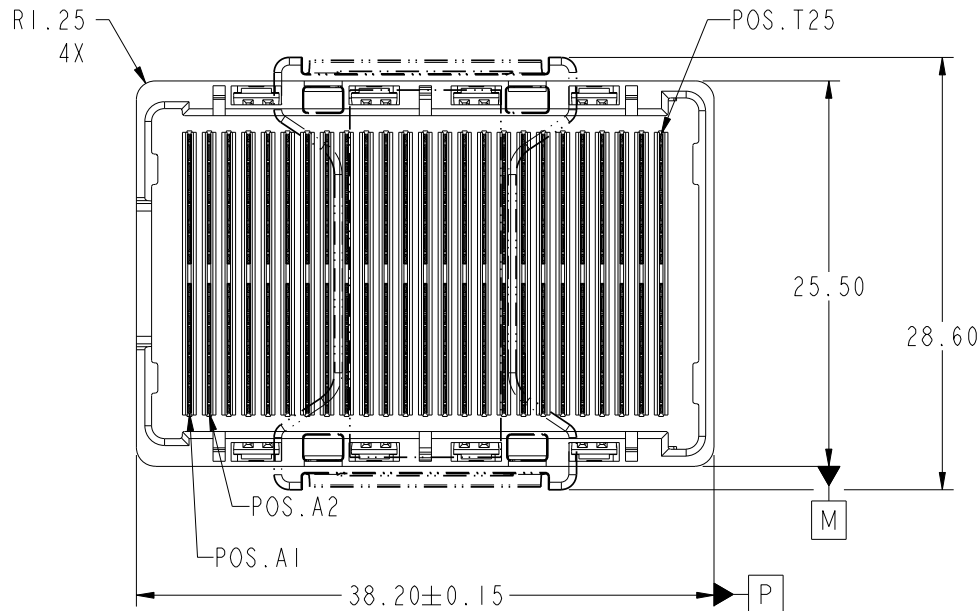




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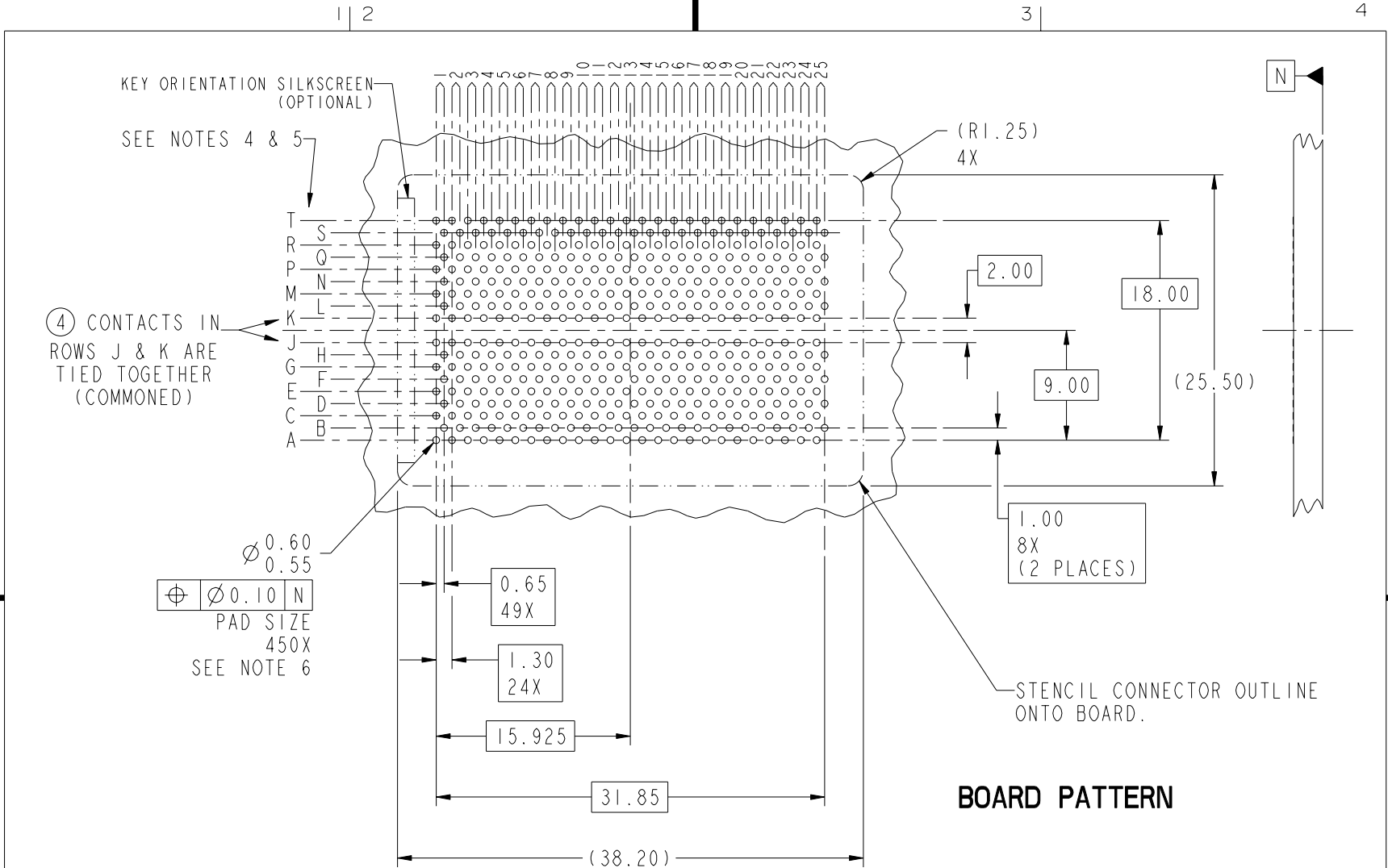
Ø0.76 SOLDER BALLS

⊕	Ø0.30	P	M
---	-------	---	---

 450X
 SEE NOTE 2

mat'l code				SEE NOTE 1				tolerances unless otherwise specified				CUSTOMER		FCI	
lir	ecn no.	dr	date	linear				0.X ± 0.3				COPY		www.fciconnect.com	
A	V05-0321	TAB	04/08/05	0.XX ± 0.10				projection				title		GIG-Array	
B	V05-1009	LP	11/7/05	0.XXX ± 0.050				angles				13mm PLUG ASSY. 200 SIG. POS.		product family	
C	V06-0239	LP	3/27/06	0° ± 2°				dr				GIG-Array		code	
D	V06-0558	LP	2006/06/21	T.BRUNGARD 04/05/05				enrg				D. HARPER 04/05/05		size	
E	V07-0440	LP	2007-07-09	D. HARPER 04/05/05				chr				D. HARPER 04/05/05		dwg no	
F	V09-0071	PK	2009-02-24	D. HARPER 04/05/05				appd				D. HARPER 04/05/05		sheet	
sheet		revision		F	F	F	F	scale				A		1 of 5	
index		sheet		1	2	3	4	1:1				A		10055142	

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mat'l code				SEE NOTE 1		tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3		COPY		projection	title	
F	-	-	-		0.XX ±0.10		GIG-Array			13mm PLUG ASSY. 200 SIG. POS.	
					0.XXX ±0.050		MM			product family GIG-Array code 213	
				angles	0° ±2°		scale		size dwg no		
				dr	T. BRUNGARD	04/05/05	2:1		A 10055142		
				engr	D. HARPER	04/05/05			sheet 2		
				chr	D. HARPER	04/05/05					
				appd	D. HARPER	04/05/05					
sheet index	revision sheet										

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1 | 2

3

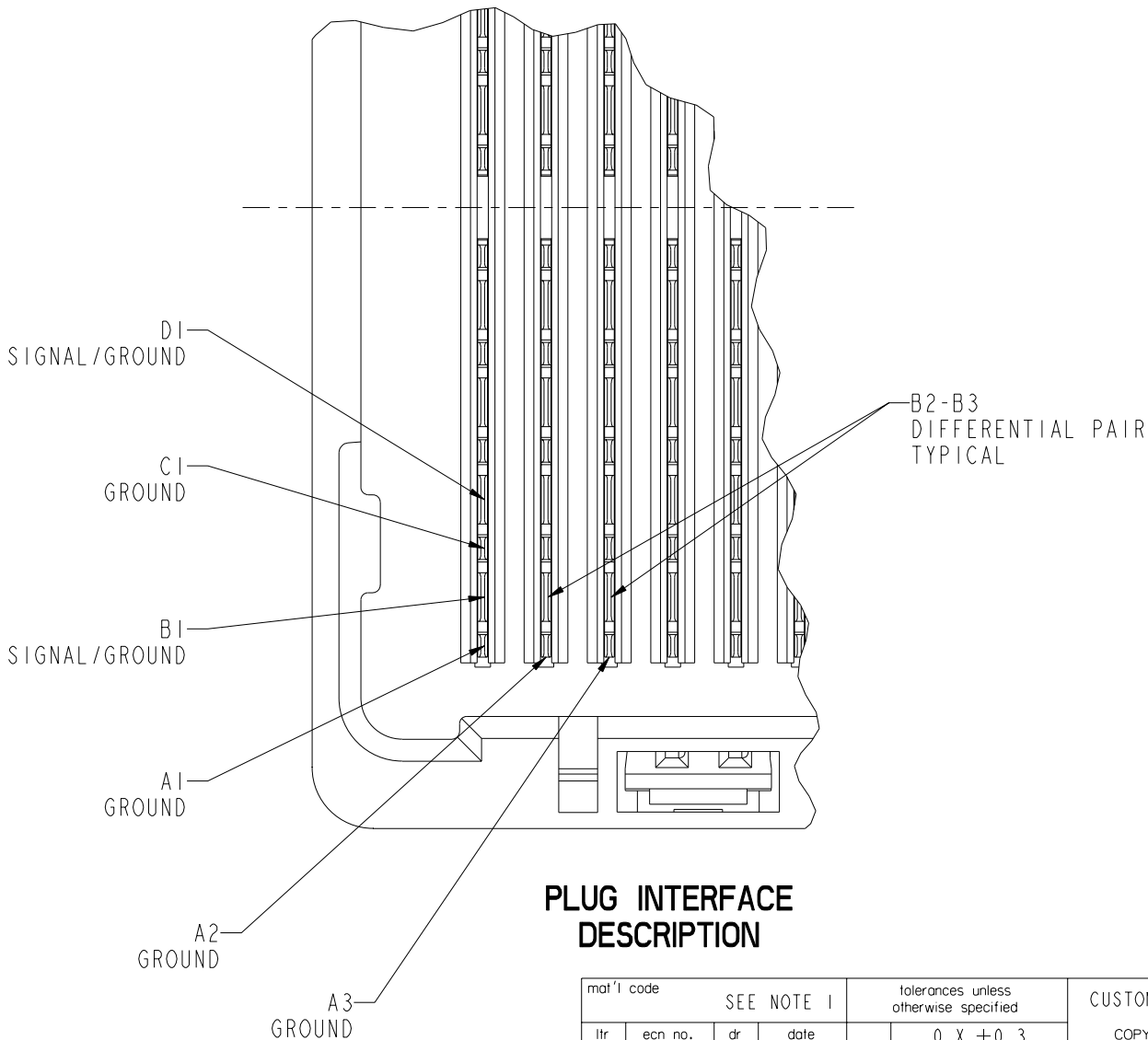
4

A

A

B

B



PLUG INTERFACE DESCRIPTION

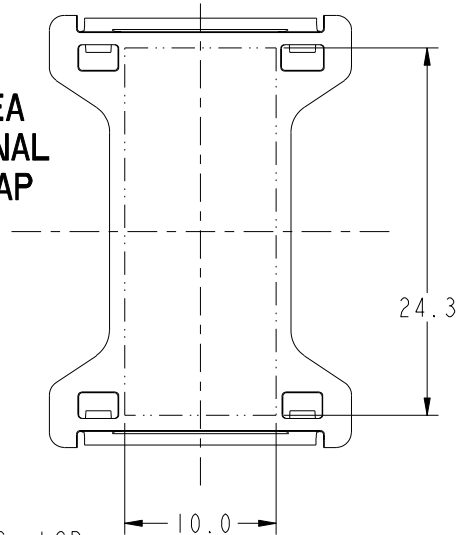
mat'l code		SEE NOTE 1		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
lfr	ecn no.	dr	date	linear	0.X ±0.3	COPY		title	
F	-	-	-		0.XX ±0.10	projection		 GIG-Array	
					0.XXX ±0.050	 MM		13mm PLUG ASSY. 200 SIG. POS.	
				angles	0° ±2°	 7:1		product family	
				dr	T. BRUNGARD 04/05/05	 A		GIG-Array	
				engr	D. HARPER 04/05/05	size		code	
				chr	D. HARPER 04/05/05	dwg no		213	
				appd	D. HARPER 04/05/05	10055142		sheet	
sheet index		revision sheet						3	

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PRODUCT NUMBER	SOLDER BALL
10055142-001	SnPb
10055142-001LF	SnAgCu LEAD FREE SEE NOTE 7 8

FLAT AREA FOR OPTIONAL PICK-UP CAP



NOTES:

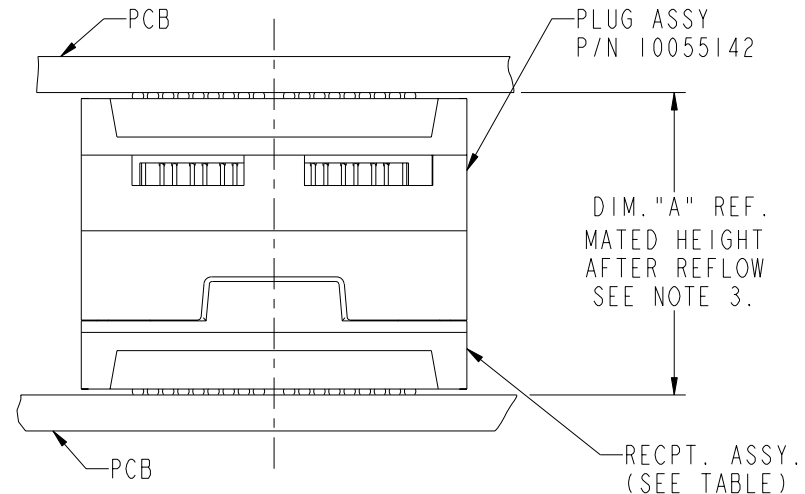
① MAT'L:
 HOUSING: LCP
 CONTACT: COPPER ALLOY
 PLATING (CONTACT): Au OVER Ni.
 UL RATING: 94 V-0
 SOLDER BALL: (SEE TABLE) EUTECTIC SnPb OR LEADFREE 95.5 Sn/4Ag/0.5Cu

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.



END VIEW OF MATED CONNECTORS

DIM. "A"	RECPT. ASSY. P/N
28	55741
18	55740

mat'l code				SEE NOTE 1		tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.3	projection		COPY		title	
F	-	-	-		0.XX ±0.10	⊕		GIG-Array		13mm PLUG ASSY. 200 SIG. POS.	
				angles	0.XXX ±0.050	MM		product family		code	
				dr	0° ±2°	1:1		GIG-Array		213	
				engr	T. BRUNGARD 04/05/05			size		sheet	
				chr	D. HARPER 04/05/05			A		4	
				appd	D. HARPER 04/05/05			10055142			
sheet index	revision sheet										

A

B

A

B

1 | 2

3 |


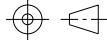

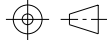
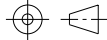
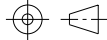
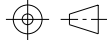
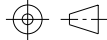
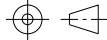
4

1 | 2

- 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, LEAD FREE 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 LOT CODE NUMBER MARKED ON EACH PART BY HAVING AN "X" IN THE SEVENTH CHARACTOR POSITION.



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mat'l code				SEE NOTE 1		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com		
lfr	ecn no.	dr	date	linear	0.X ±0.3		COPY		  scale 1:1	title GIG-Array 13mm PLUG ASSY. 200 SIG. POS.		
F	-	-	-		0.XX ±0.10		projection			product family GIG-Array		code
					0.XXX ±0.050					size 213		sheet
				angles	0° ±2°				size 10055142		5	
				dr	T. BRUNGARD	04/05/05			size 10055142		5	
				enrg	D. HARPER	04/05/05			size 10055142		5	
				chr	D. HARPER	04/05/05			size 10055142		5	
				appd	D. HARPER	04/05/05			size 10055142		5	
sheet index	revision sheet											