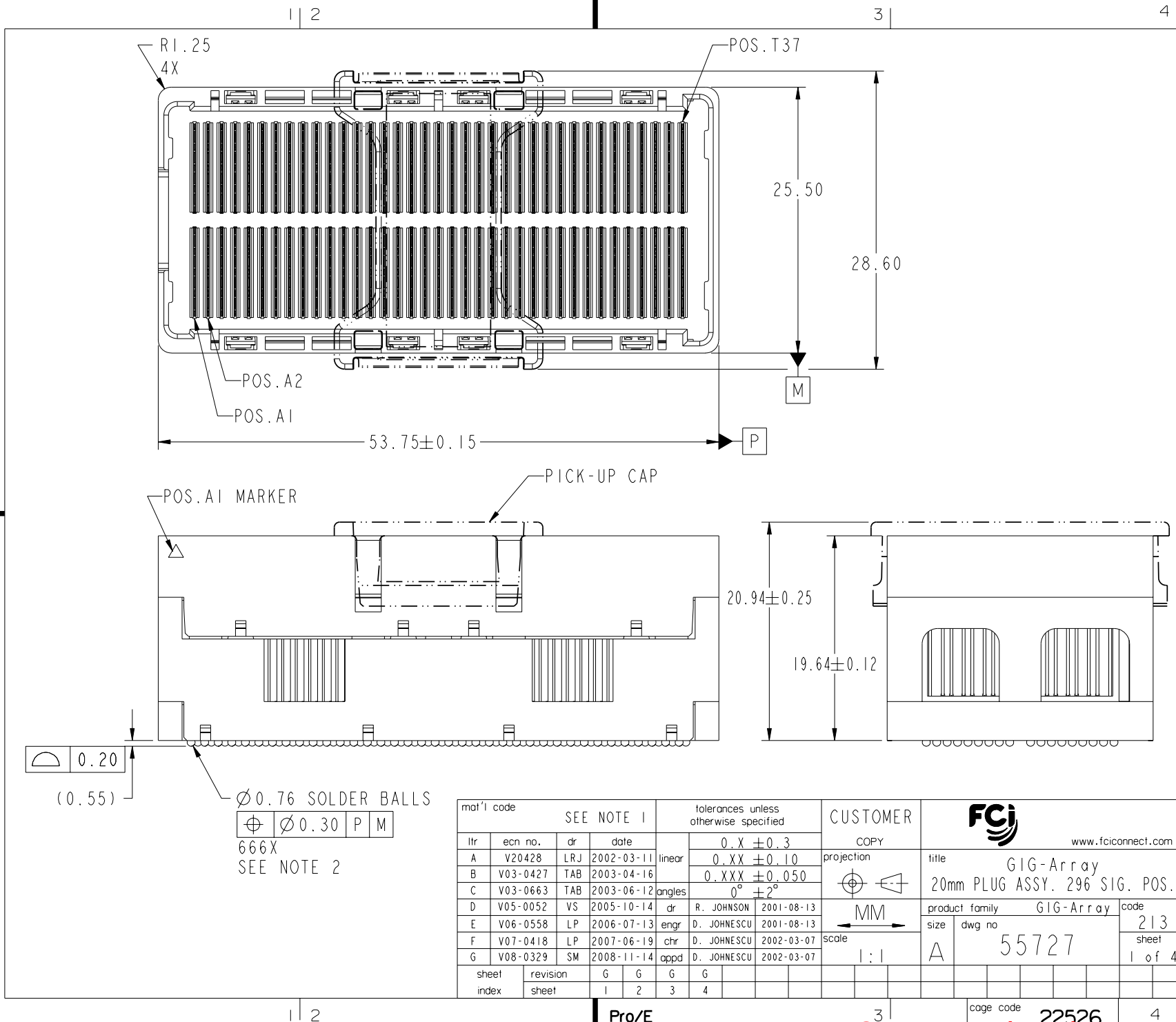




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REV E - 2006-04-18



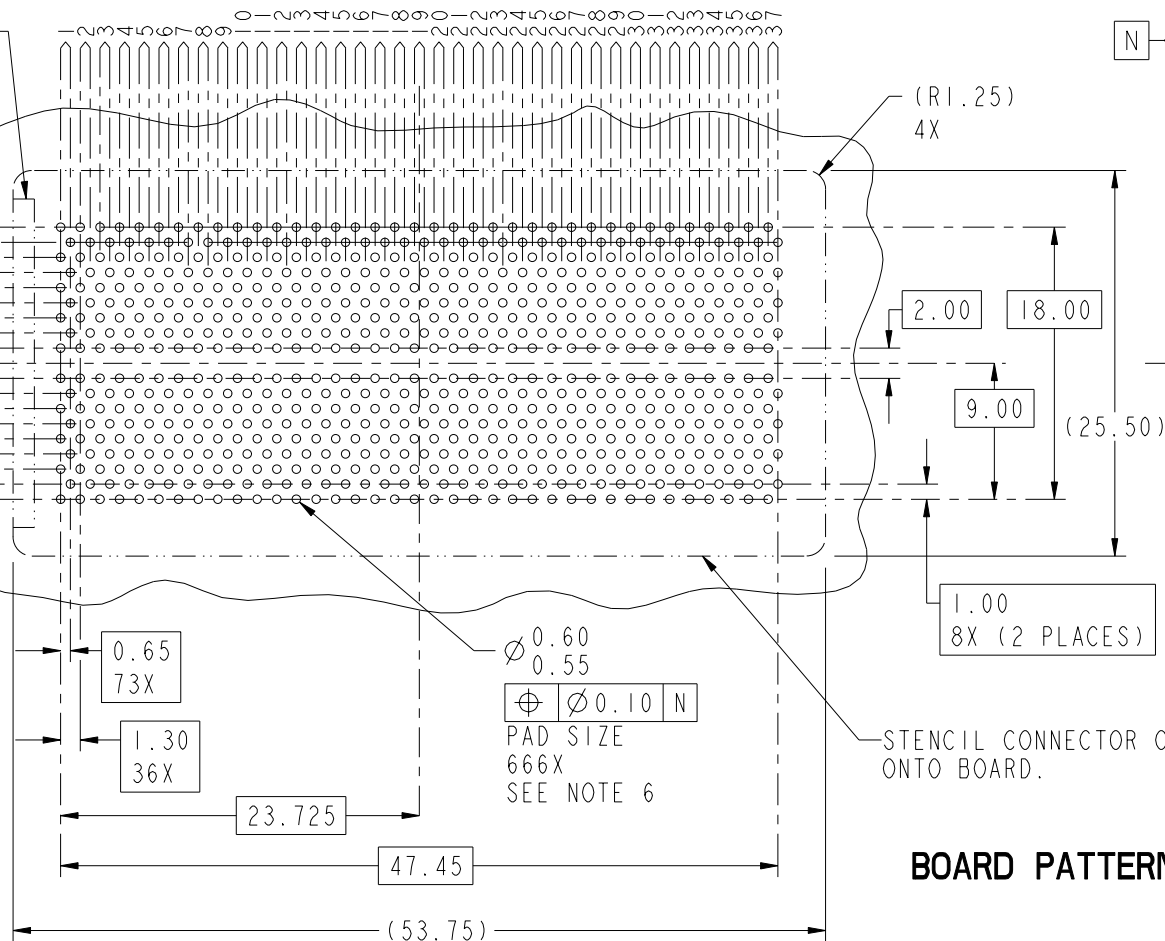


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KEY ORIENTATION SILKSCREEN
(OPTIONAL)

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

SEE NOTES 4 & 5



BOARD PATTERN

mat'l code				SEE NOTE 1		tolerances unless otherwise specified		CUSTOMER		FCI	
lir	ecn no.	dr	date					COPY		www.fciconnect.com	
G	-	-	-	linear		0.X ±0.3		projection		title	
						0.XX ±0.10				GIG-Array	
				angles		0.XXX ±0.050				20mm PLUG ASSY. 296 SIG. POS.	
						0° ±2°				product family	
				dr	R. JOHNSON	2001-08-13				GIG-Array	
				enrg	D. JOHNE SCU	2001-08-13				code	
				chr	D. JOHNE SCU	2002-03-07				213	
				appd	D. JOHNE SCU	2002-03-07				sheet	
										2	
sheet index	revision sheet										

Pro/E

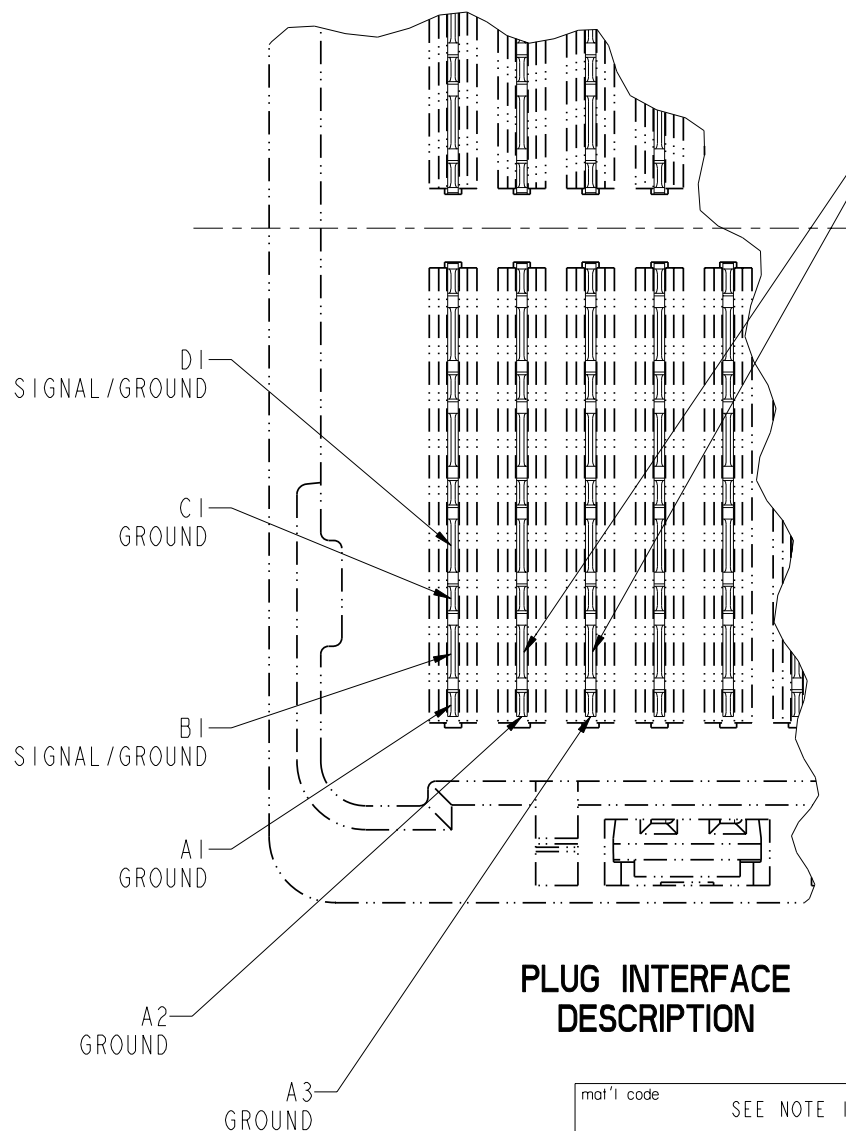
PDM: Rev:G

STATUS: Released

Printed: Jan 09, 2009



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B2-B3
DIFFERENTIAL PAIR
TYPICAL

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.

PLUG INTERFACE DESCRIPTION

mat'l code				SEE NOTE 1		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
lir	ecr no.	dr	date					COPY					
G	-	-	-	linear		0. X ± 0.3		projection					
						0. XX ± 0.10							
				angles		0. XXX ± 0.050							
						0° $\pm 2°$							
				dr	R. JOHNSON	2001-08-13							
				enrg	D. JOHNSCU	2001-08-13							
				chr	D. JOHNSCU	2002-03-07							
				appd	D. JOHNSCU	2002-03-07							
sheet	revision												
index	sheet												

Pro/E

PDM: Rev:G

STATUS: Released

Printed: Jan 09, 2009



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PRODUCT NUMBER		SOLDER BALL	
55727-001		SnPb	
55727-001LF		SnAgCu LEADFREE (7)(8)	

FLAT AREA
PICK-UP CAP

24.3

10.0

PCB

PLUG ASSY
P/N 55727

DIM. "A" REF.
MATED HEIGHT
AFTER REFLOW
SEE NOTE 3.

PCB

RECPT. ASSY.
(SEE TABLE)

END VIEW OF MATED CONNECTORS

DIM. "A"	RECPT. ASSY. P/N
25	55701
35	55733

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, 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.

mat'l code				SEE NOTE 1		tolerances unless otherwise specified		CUSTOMER		FCI	
lir	ecn no.	dr	date								
G	-	-	-	linear		0.X ±0.3		COPY			
						0.XX ±0.10		projection			
				angles		0.XXX ±0.050					
						0° ±2°					
				dr	R. JOHNSON	2001-08-13		MM			
				enrg	D. JOHNSCU	2001-08-13					
				chr	D. JOHNSCU	2002-03-07		scale			
				appd	D. JOHNSCU	2002-03-07		1:1			
sheet index		revision sheet									

title		product family		code	
GIG-Array		GIG-Array		213	
20mm PLUG ASSY. 296 SIG. POS.		size		sheet	
A		55727		4	

cage code		22526		4	
Pro/E		PDM: Rev:G		STATUS: Released	

Printed: Jan 09, 2009