



Copyright FCI.

PRODUCT NUMBER
SEE SHEET 4

R1.25
4X

POS.T37

25.50

28.60

POS.A2

POS.A1

53.75±0.15

M

P

POS.A1 MARKER

PICK-UP CAP

(0.55)

0.20

Ø0.76 SOLDER BALLS

Ø0.30 P M

666X

SEE NOTE 2

13.94±0.25

12.64±0.12

rev	ecn no	dr	date
A	V05-0321	TAB	2005-04-08
B	V06-1009	LP	2005-11-04
C	V06-0230	LP	2006-03-27
D	V06-0558	LP	2006-06-21
E	V07-0440	LP	2007-07-09
F	V08-0198	HTB	2008-04-28
-	-	-	-

www.fciconnect.com			surface 3.2 ASME Y14.5	tolerance std ASME Y14.5	projection ASME Y14.5	MM
			TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	T. BRUNGARD	2005-04-05	ANGULAR 0° ±2°	0.X ±.3	size A4	Scale 1:1
Eng	D. HARPER	2005-04-05		0.XX ±.10		
Chr	D. HARPER	2005-04-05		0.XXX ±.050	ECN V08-0198	
Appr	D. HARPER	2005-04-05	Product family GIG-Array		Spec ref	-
FCI			title GIG-Array, PLUG ASSEMBLY		dwg no 10055143	Rev. F
			13mm, 296 SIGNAL POSITION			
			catalog no -		CUSTOMER	sheet 1 of 4

REV F - 2008-04-17

PDM: Rev:F

STATUS: Released

Printed: May 13, 2008

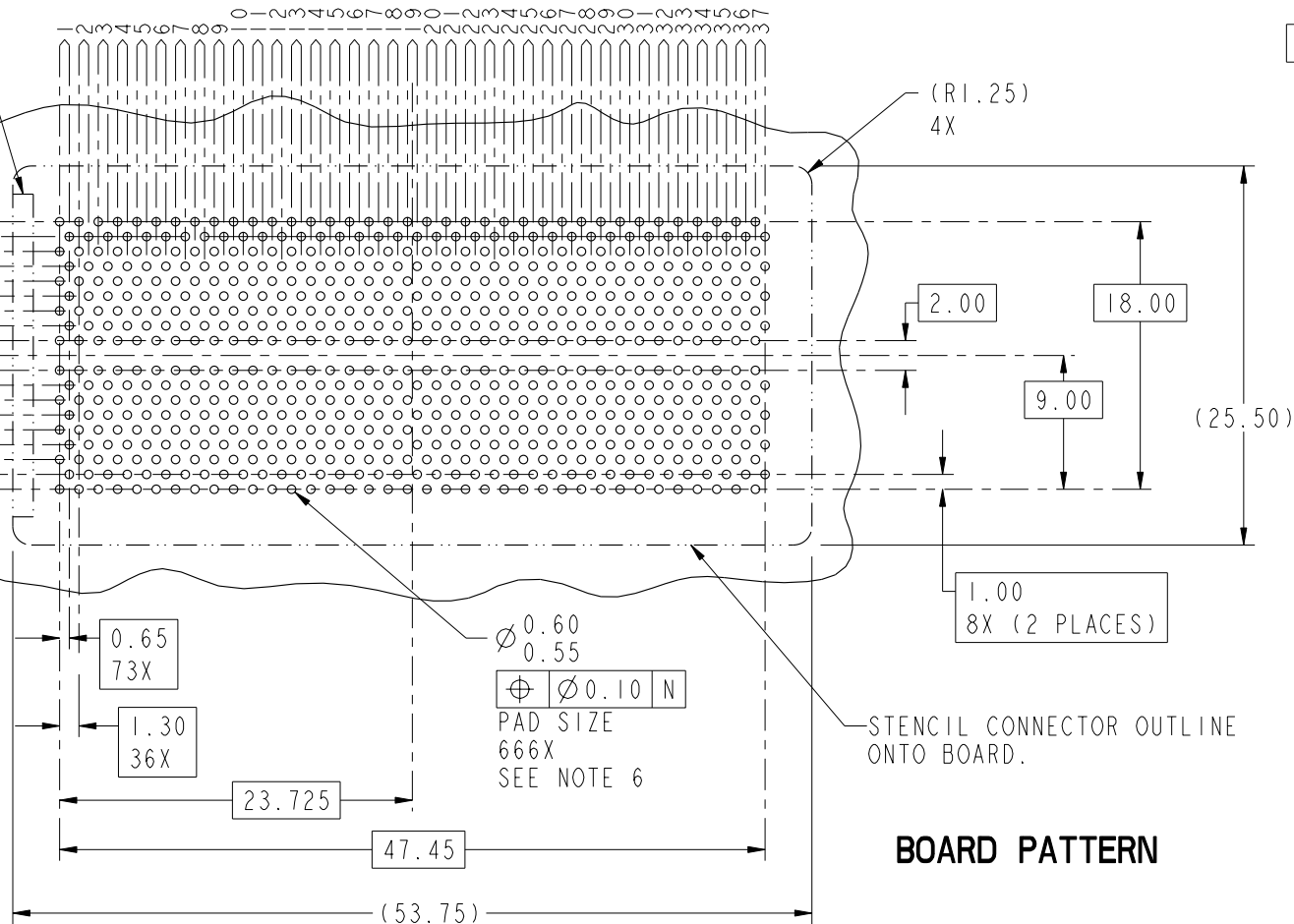
PRODUCT NUMBER
SEE SHEET 4

KEY ORIENTATION SILKSCREEN
(OPTIONAL)

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

SEE NOTES 4 & 5

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



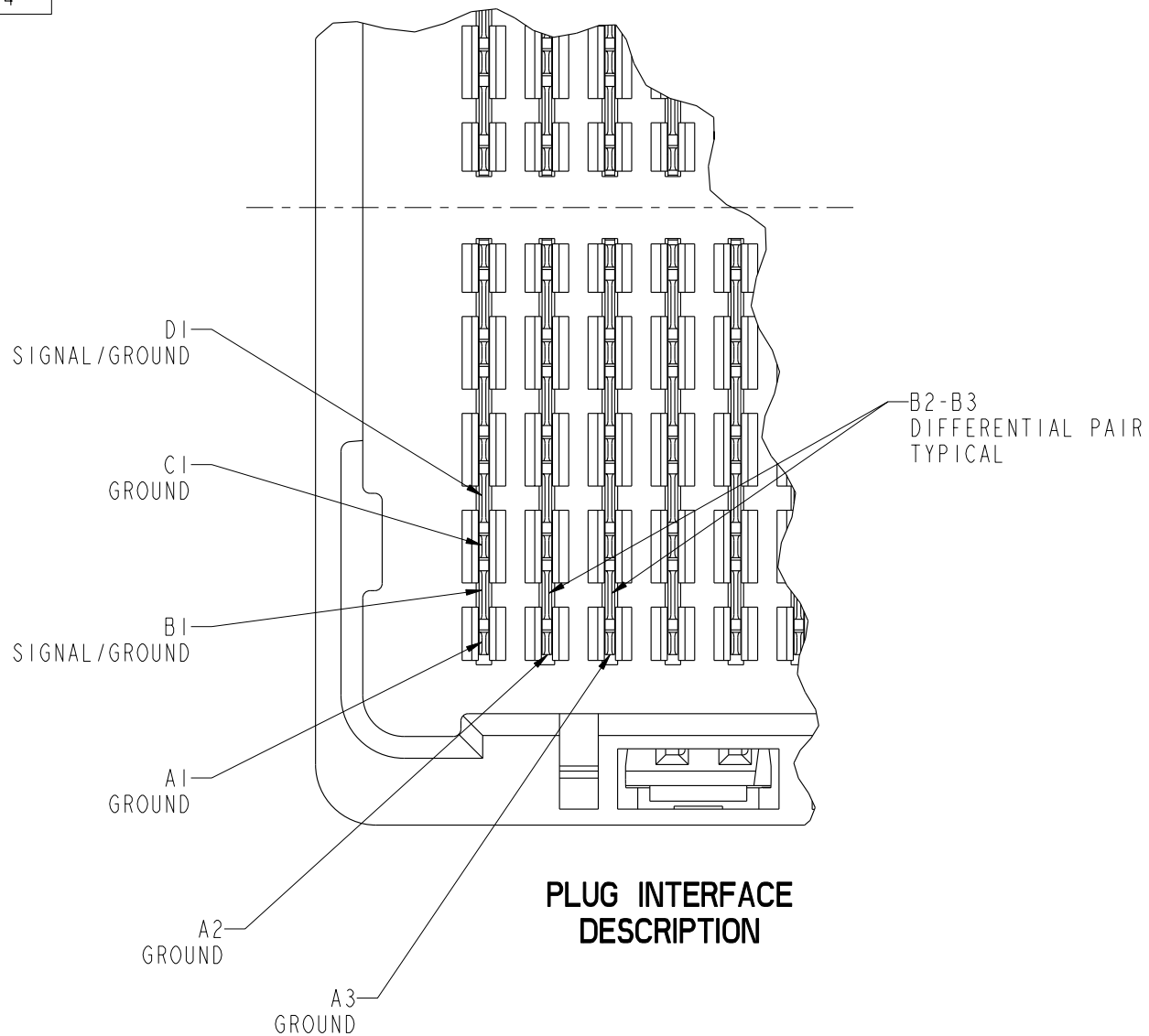
BOARD PATTERN



title GIG-Array, PLUG ASSEMBLY
13mm, 296 SIGNAL POSITION
catalog no -

dwg no 10055143
Rev. F
CUSTOMER sheet 2 of 4

PRODUCT NUMBER
SEE SHEET 4



PLUG INTERFACE DESCRIPTION

	title GIG-Array, PLUG ASSEMBLY 13mm, 296 SIGNAL POSITION	dwg no 10055143 CUSTOMER	Rev. F sheet 3 of 4
	catalog no -		

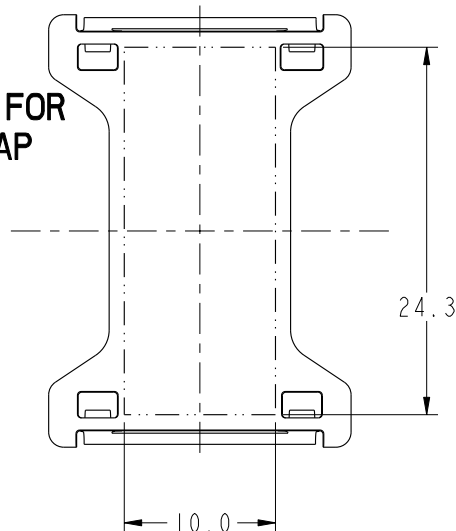
REV F - 2006-04-17



Copyright FCI.

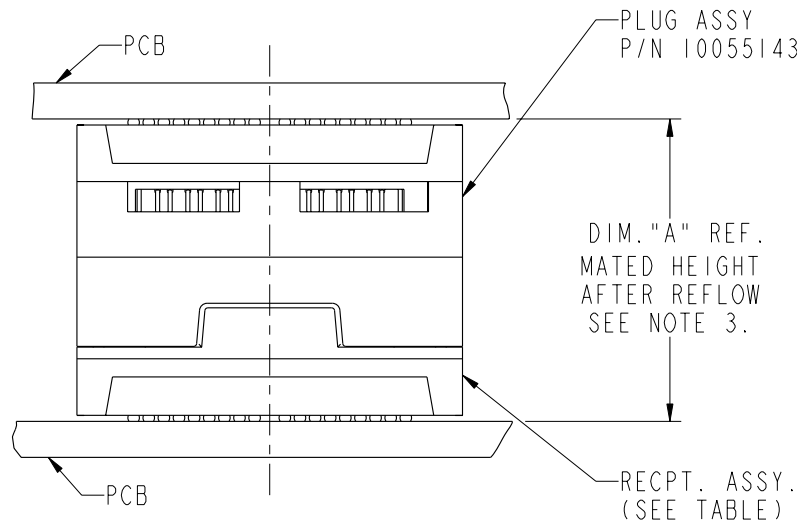
PRODUCT NUMBER	SOLDER BALL
10055143-001	SnPb
10055143-001LF	SnAgCu LEAD FREE SEE NOTE 7 8

FLAT AREA FOR
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	55733
18	55701

- 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 THIS DIRECTIVE IS
IDENTIFIED IN THE LOT CODE NUMBER MARKED
ON EACH PART BY HAVING AN "X" IN THE SEVENTH
CHARACTER POSITION.

	title GIG-Array, PLUG ASSEMBLY		dwg no 10055143		Rev F
	13mm, 296 SIGNAL POSITION				
	catalog no -		CUSTOMER	sheet 4 of 4	