

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

OPTIONAL PICK-UP CAP

(0.55)

12.94±0.25

11.64±0.12

Ø0.76 SOLDER BALLS

Ø0.30 P M

666X

SEE NOTE 2

www.fciconnect.com

surface 3.2
ASME Y14.5

tolerance std
-
TOLERANCES UNLESS OTHERWISE SPECIFIED

projection
mm

mm

Dr T. BRUNGARD 2006-12-12

Eng D. HARPER 2006-12-12

Chr D. HARPER 2006-12-12

Appr D. HARPER 2006-12-12

ANGULAR

LINEAR

0.X

±

0.XX

±

0.XXX

±R

size A4

Scale 1:1

ECN V08-0198

Product family GIG-Array

Spec ref -



title GIG-Array, PLUG ASSEMBLY

12mm, 296 SIGNAL POSITION

catalog no

dwg no

10026804

Rev. C

CUSTOMER

sheet 1 of 4

PRODUCT NUMBER
SEE SHEET 4

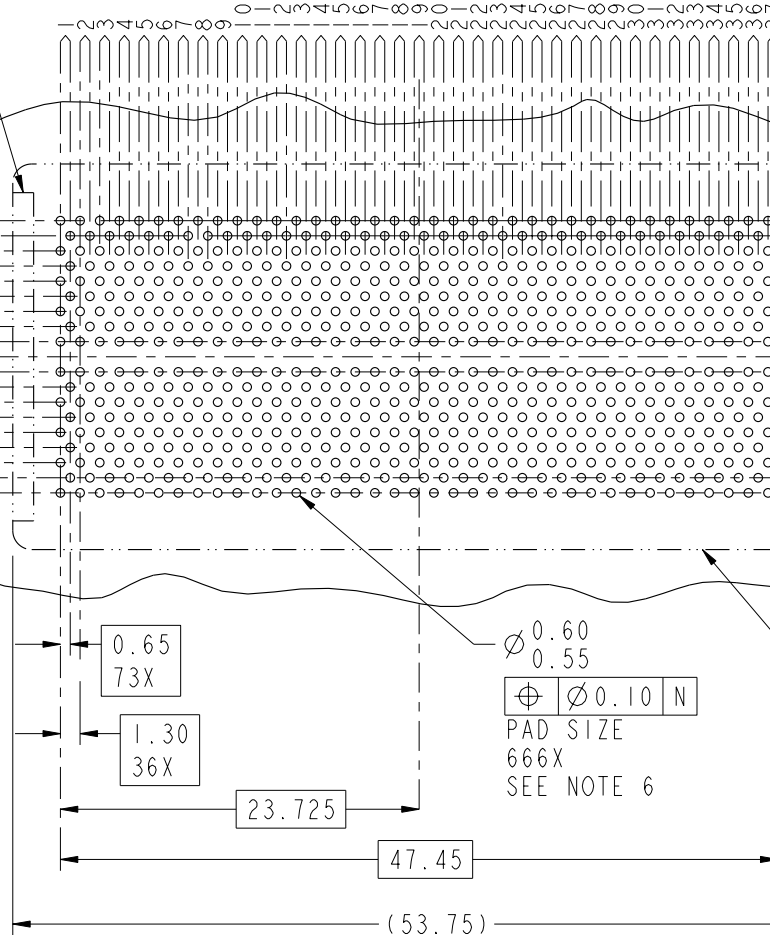
KEY ORIENTATION SILKSCREEN
(OPTIONAL)

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

SEE NOTES 4 & 5

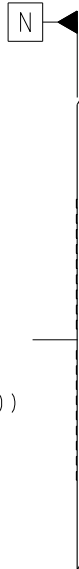
T
R
P
M
K
J
G
E
C
A

S
Q
N
L
H
F
D
B



STENCIL CONNECTOR OUTLINE
ONTO BOARD.

BOARD PATTERN



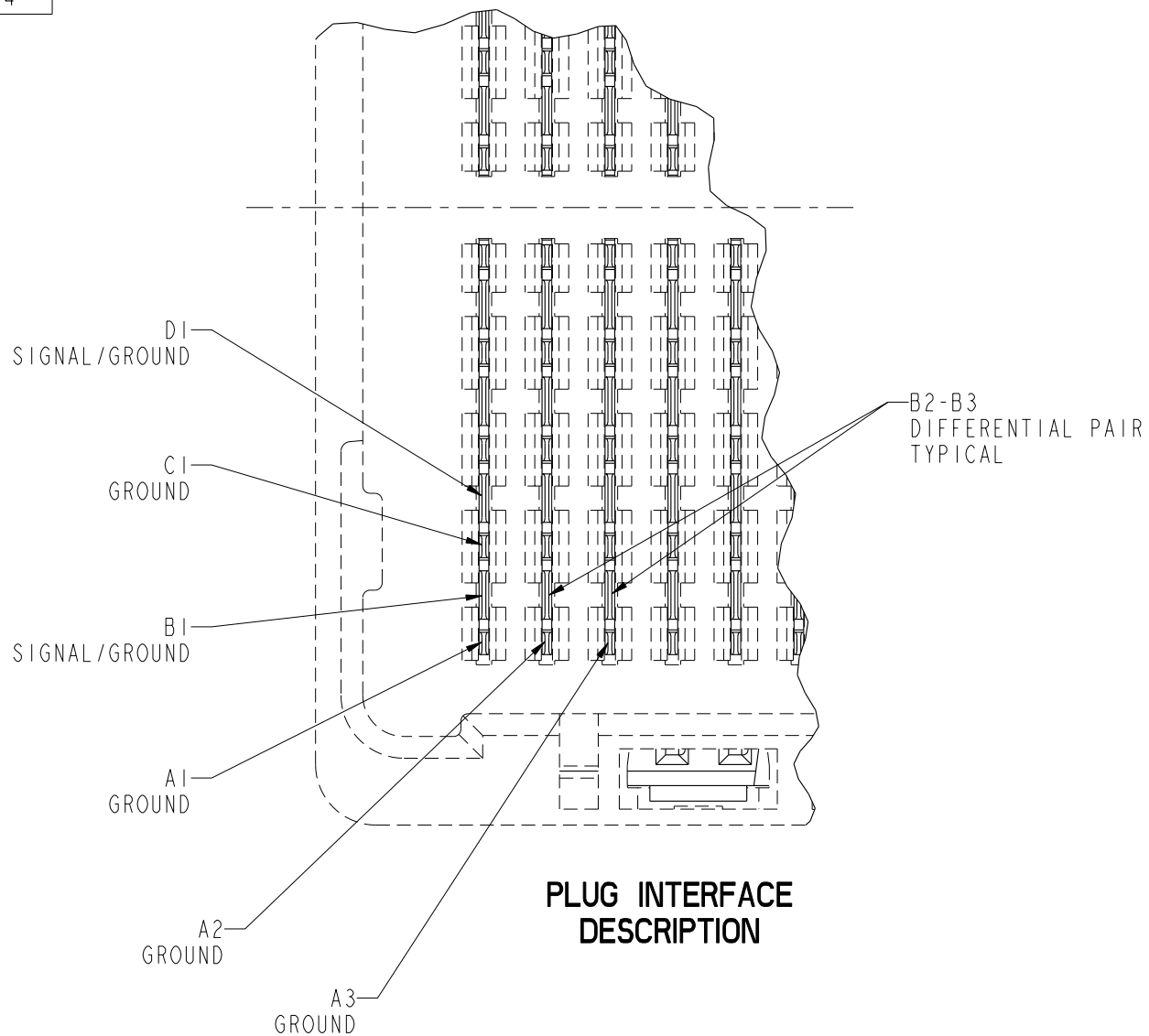
title GIG-Array, PLUG ASSEMBLY
12mm, 296 SIGNAL POSITION
catalog no -

dwg no 10026804
CUSTOMER

Rev.
C

sheet 2 of 4

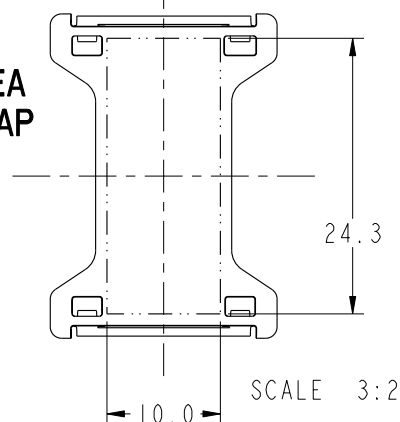
PRODUCT NUMBER
SEE SHEET 4



	title	GIG-Array, PLUG ASSEMBLY		dwg no	10026804	Rev.	C
		12mm, 296 SIGNAL POSITION					
	catalog no	-		CUSTOMER	sheet 3 of 4		

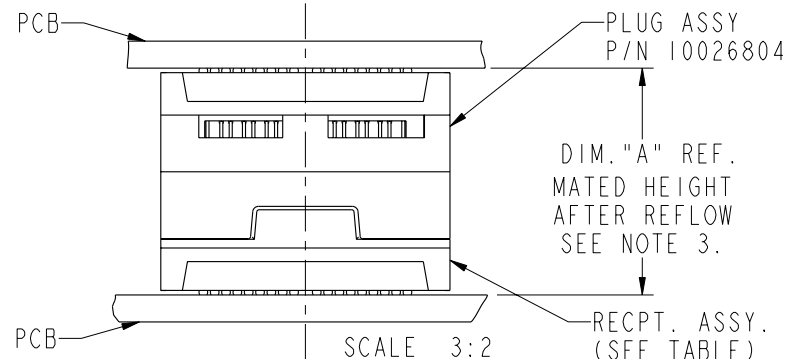
PRODUCT NUMBER	SOLDER BALL
10026804-001	SnPb
10026804-001LF	SnAgCu LEADFREE (7)(8)

FLAT AREA
PICK-UP CAP



NOTES:

- ① MAT'L:
HOUSING: LCP
CONTACT: COPPER ALLOY
PLATING (CONTACT): Au OVER Ni.
UL RATING: 94 V-0
- 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
17	55701
22	10032376
27	55733

NOTES CONTINUED

- 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 THES 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	10026804		Rev C
			12mm, 296 SIGNAL POSITION					
	catalog no		-		CUSTOMER		sheet 4 of 4	