

PRODUCT NUMBER
SEE SHEET 4

R1.25
4X

POS.T37

25.50

28.60

POS.A2

POS.A1

53.75±0.15

P

M

POS.A1 MARKER

OPTIONAL 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

www.fciconnect.com

surface 3.2
ASME Y14.5

tolerance std
ASME Y14.5

projection
MM

MM

Dr L. POTTEIGER 2005-10-10
Eng D. HARPER 2005-10-10
Chr D. HARPER 2005-10-10
Appr D. HARPER 2005-10-10

ANGULAR
0° ±2°

LINEAR
0.X ±0.3
0.XX ±0.10
0.XXX ±0.050

size A4
ECN V08-0190

Scale 1:1
Spec ref -

FCI

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

dwg no 10060911
CUSTOMER

Rev. C
sheet 1 of 4

rev	ecn no	dr	date
A	V06-0148	LP	2006-04-24
B	V06-0558	LP	2006-06-21
C	V08-0190	HTB	2008-04-15
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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

SEE NOTES 4 & 5-

— (R1.25)
4X

2.00

18.00

9.00

(25.50)

1.00
8X (2 PLACES)

—STENCIL CONNECTOR OUTLINE
ONTO BOARD.

BOARD PATTERN

0.65
73X

1.30
36X

23.725

47.45

$$-(53.75)$$

$\varnothing \begin{matrix} 0.60 \\ 0.55 \end{matrix}$

	 0.10	N
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PAD SIZE
666X
SEE NOTE 6



13mm, 296 SIGNAL POSITION

catalog no	
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dwg no

10060911

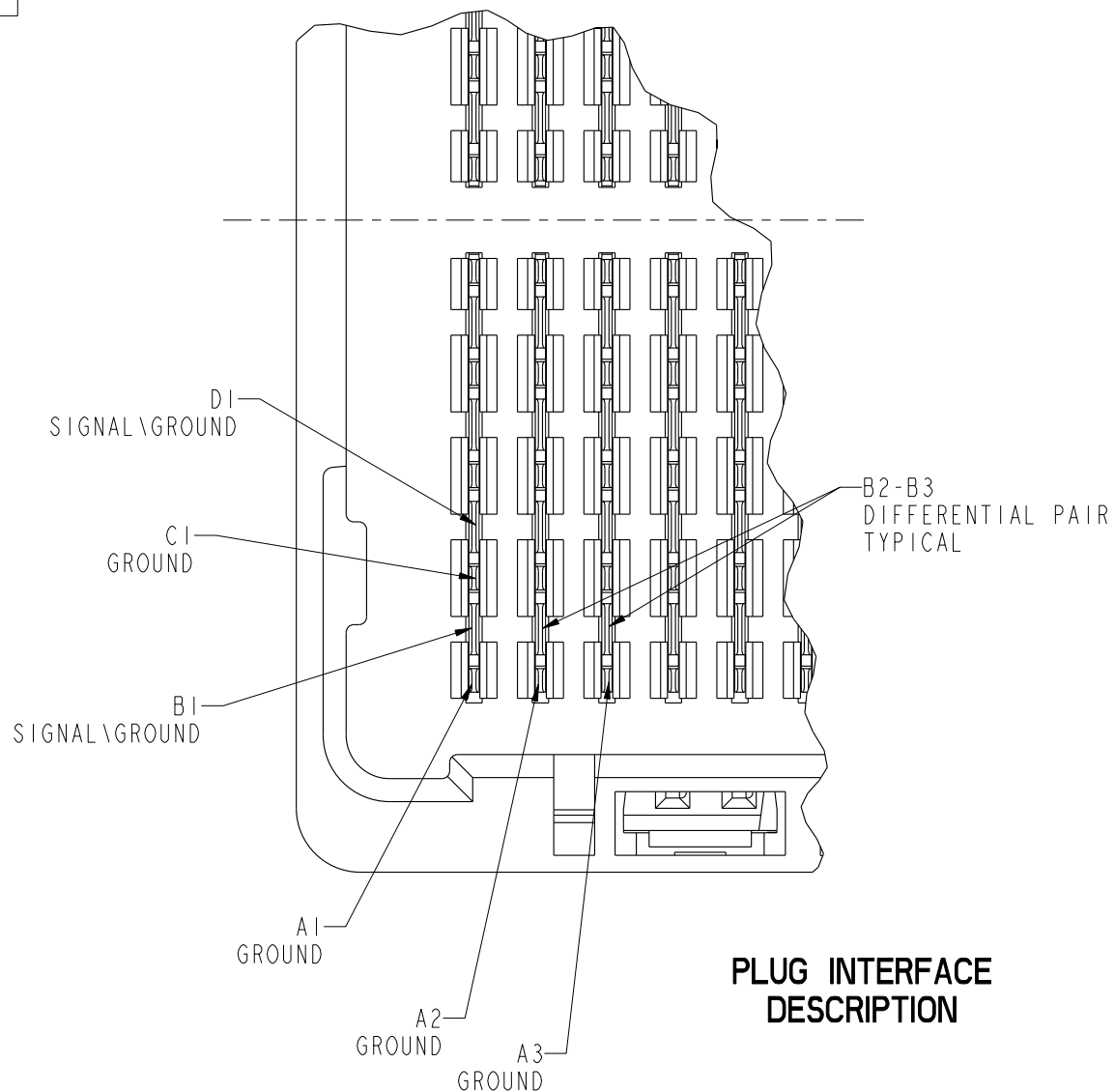
Rev

10

CUSTOMER

sheet 2 of 4

PRODUCT NUMBER
SEE SHEET 4



PLUG INTERFACE DESCRIPTION

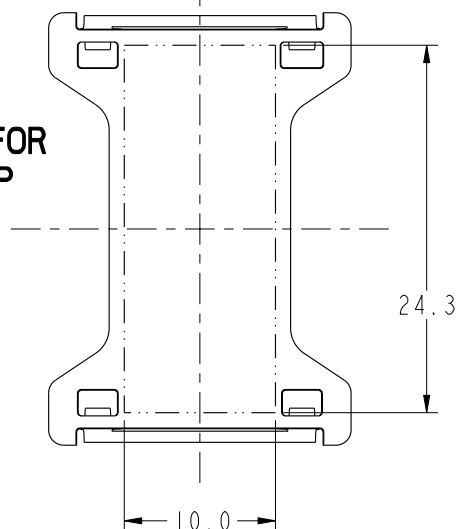


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catalog no -

dwg no	10060911	Rev.	C
CUSTOMER		sheet 3 of 4	

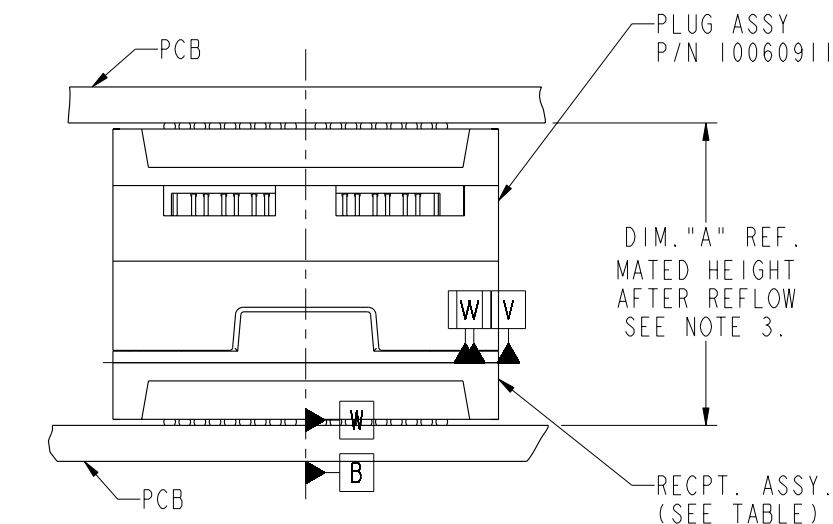
PRODUCT NUMBER	SOLDER BALL
10060911-001	SnPb
10060911-001LF	SnAgCu LEADFREE (7)(8)

FLAT AREA FOR
PICK-UP CAP



NOTES:

- ① MATERIAL:
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.
- 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.



END VIEW OF MATED CONNECTORS

DIM. "A"	RECPT. ASSY. P/N
28	55733
18	55701

NOTES CONTINUED

- ⑦ 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.
- ⑧ 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.

	title		GIG-Array, PLUG ASSEMBLY		dwg. no	10060911		Rev C
			13mm, 296 SIGNAL POSITION					
	catalog no		-		CUSTOMER		sheet 4 of 4	