

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)

0.20

Ø 0.76 SOLDER BALLS

⊕ Ø 0.30 P M

666X  
SEE NOTE 2

13.94±0.25

12.64±0.12



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|                    |              |            |                                       |                             |                          |              |
|--------------------|--------------|------------|---------------------------------------|-----------------------------|--------------------------|--------------|
| www.fciconnect.com |              |            | surface 3.2<br>ASME Y14.5             | tolerance std<br>ASME Y14.5 | projection<br>ASME Y14.5 | MM           |
|                    |              |            | TOLERANCES UNLESS OTHERWISE SPECIFIED |                             |                          |              |
| Dr                 | L. POTTEIGER | 2005-10-10 | ANGULAR                               | 0.X ±0.3                    | size A4                  | Scale 1:1    |
| Eng                | D. HARPER    | 2005-10-10 | LINEAR                                | 0.XX ±0.10                  | ECN V08-0190             |              |
| Chr                | D. HARPER    | 2005-10-10 | 0° ±2°                                | 0.XXX ±0.050                |                          |              |
| Appr               | D. HARPER    | 2005-10-10 | Product family GIG-Array              |                             | Spec ref                 | -            |
|                    |              |            | FCI GIG-Array, PLUG ASSEMBLY          |                             | dwg no 10060911          | Rev. C       |
|                    |              |            | 13mm, 296 SIGNAL POSITION             |                             |                          |              |
|                    |              |            | catalog no                            | -                           | CUSTOMER                 | sheet 1 of 4 |

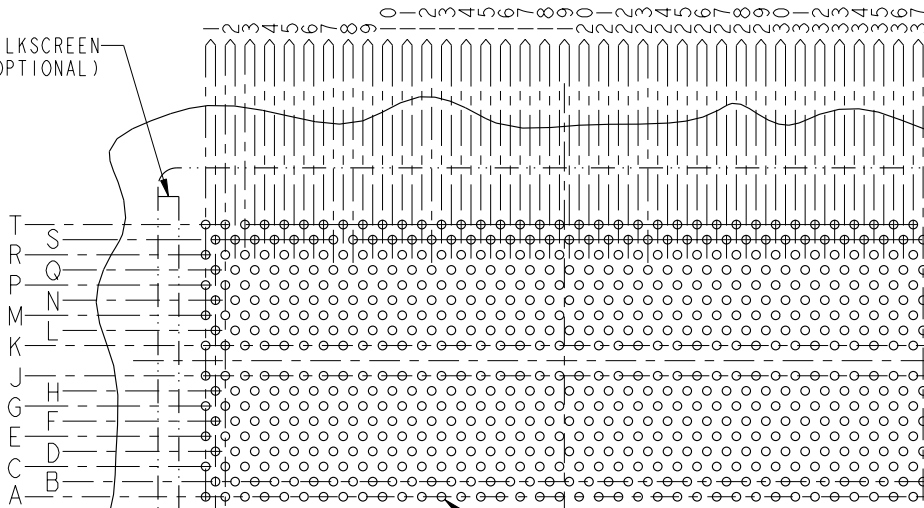
| rev | ecn no   | dr  | date       |
|-----|----------|-----|------------|
| A   | V06-0148 | LP  | 2006-04-24 |
| B   | V06-0558 | LP  | 2006-06-21 |
| C   | V08-0190 | HTB | 2008-04-15 |
| -   | -        | -   | -          |
| -   | -        | -   | -          |
| -   | -        | -   | -        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

PRODUCT NUMBER  
SEE SHEET 4

KEY ORIENTATION SILKSCREEN  
(OPTIONAL)

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)

Ø 0.60  
0.55  
⊕ Ø 0.10 N  
PAD SIZE  
666X  
SEE NOTE 6

STENCIL CONNECTOR OUTLINE  
ONTO BOARD.

**BOARD PATTERN**

N



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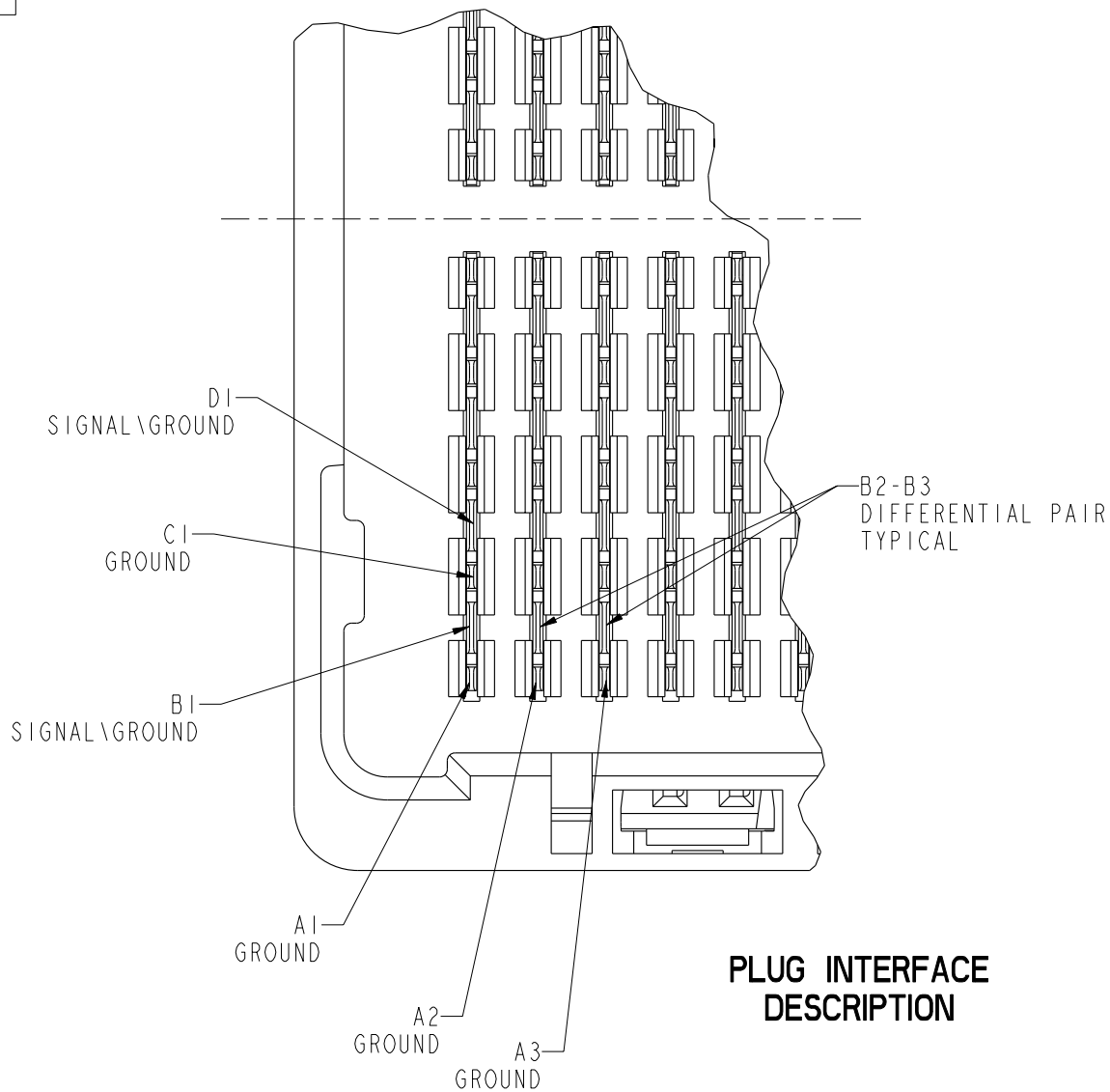


title GIG-Array, PLUG ASSEMBLY  
13mm, 296 SIGNAL POSITION  
catalog no -

dwg no 10060911  
CUSTOMER

Rev. C

PRODUCT NUMBER  
SEE SHEET 4



**PLUG INTERFACE  
DESCRIPTION**

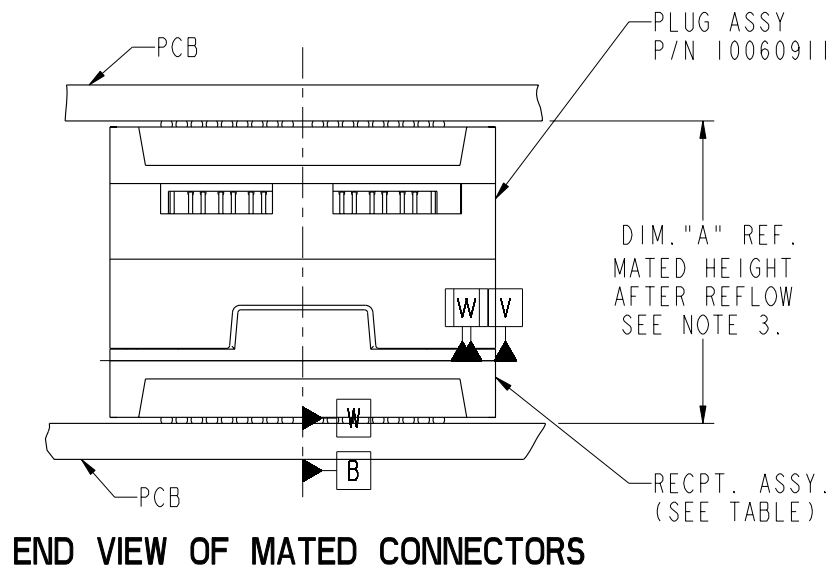
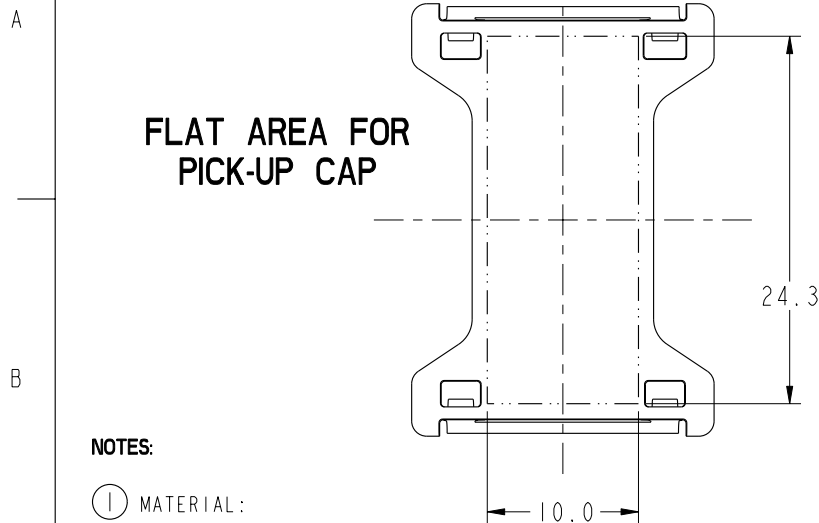


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|  |  |                    |              |
|--|--|--------------------|--------------|
|  | title<br>GIG-Array, PLUG ASSEMBLY<br>13mm, 296 SIGNAL POSITION | dwg no<br>10060911 | Rev.<br>C    |
|  | catalog no<br>-  | CUSTOMER           | sheet 3 of 4 |

REV F - 2006-04-17

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



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

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.

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.

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|            |                           |                    |              |
|------------|---------------------------|--------------------|--------------|
| FCI        | GIG-Array, PLUG ASSEMBLY  | dwg no<br>10060911 | Rev.<br>C    |
|            | 13mm, 296 SIGNAL POSITION |                    |              |
| catalog no | -                         | CUSTOMER           | sheet 4 of 4 |