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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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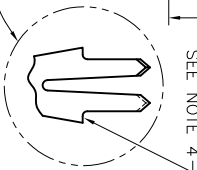
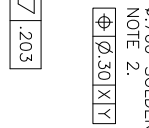
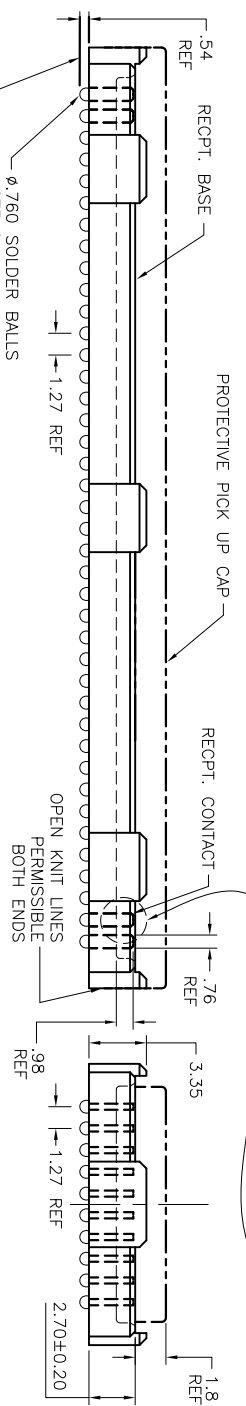
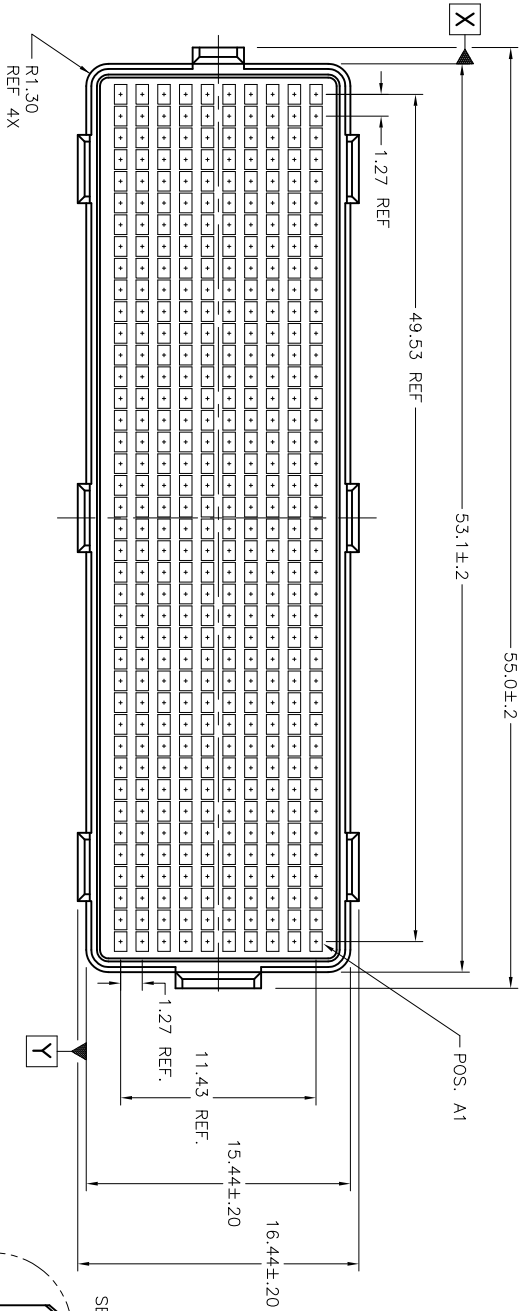


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PRODUCT NUMBER  
SEE TABLE-SHEET 3



| Mat'l. code | SEE NOTE 1 | date | surface    | tolerance  | projection | product family          |
|-------------|------------|------|------------|------------|------------|-------------------------|
| lfr         | ecm no.    | dfr  | ASME Y14.5 | ASME Y14.5 |            | MEG-ARRAY               |
| N           | V06-0560   | LP   | 2006-07-08 | angles     | MM         | 4mm RECEPTACLE ASSEMBLY |
| P           | V-004083   | HTB  | 2011-06-13 | XXX.13     | Scale: 3:1 | 10 X 40 = 400 POSITIONS |
| R           | V012300    | DGH  | 2012-06-11 | XXX.051    |            |                         |
| S           | V-13457    | DGH  | 2012-11-15 | D. WAUGHEN |            |                         |
| T           | V-22253    | RWB  | 2015-10-20 | T. LEMKE   |            |                         |
| M           | V05-1071   | DAI  | 2005-12-21 | T. LEMKE   |            |                         |
| Sheet       | revision   | T    | T          | T          |            |                         |
| Index       | Sheet      | 1    | 2          | 3          | 4          |                         |

form: ArrmXLC

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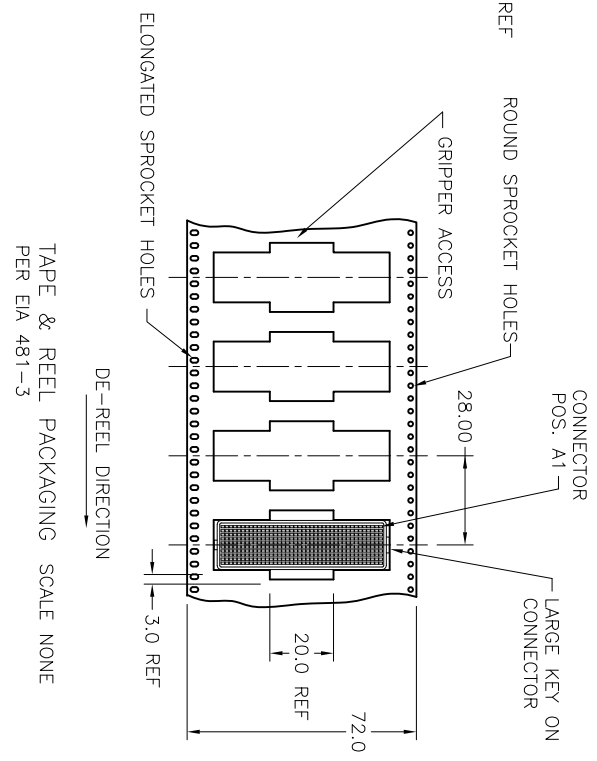
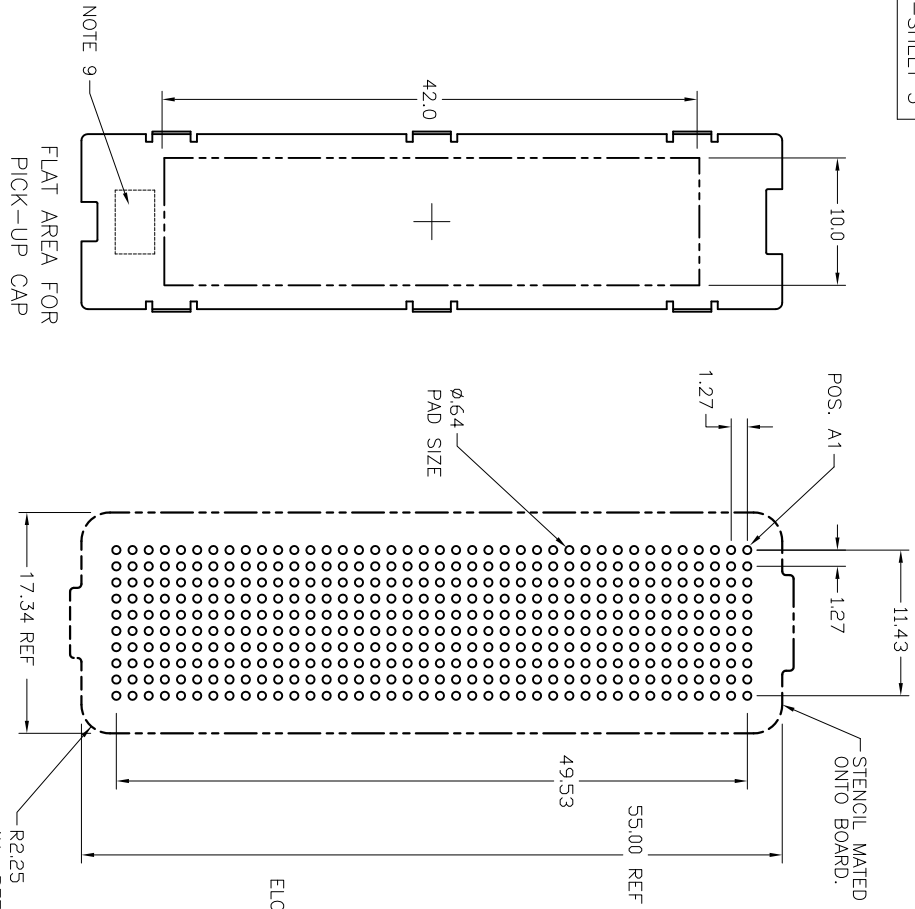
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PRODUCT NUMBER  
SEE TABLE-SHEET 3

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TAPE & REEL PACKAGING SCALE NONE  
PER EIA 481-3

| mat'l code | code     | surface    | tolerance  | projection | product family          |
|------------|----------|------------|------------|------------|-------------------------|
| SEE NOTE 1 | NOTE 1   | ASME Y14.5 | ASME Y14.5 |            | MEG-ARRAY               |
| lfr        | ecm no   | dr         | date       | angles     | title                   |
|            |          |            |            | 0° ±2°     | 4mm RECEPTACLE ASSEMBLY |
|            |          |            |            | 3X.3       | 10 x 40 = 400 POSITIONS |
|            |          |            |            | XXX.13     |                         |
|            |          |            |            | Scale: 2:1 |                         |
|            |          | DR         | D. WAUGHEN | 1997-11-26 |                         |
|            |          | DR         | T. LEMKE   | 1997-11-26 |                         |
|            |          | DR         | T. LEMKE   | 1997-11-26 |                         |
|            |          | DR         | T. LEMKE   | 1997-11-26 |                         |
| sheet      | revision |            |            |            | sheet 2 of 4            |
| index      |          |            |            |            | size                    |
|            |          |            |            |            | A4                      |
|            |          |            |            |            | CUSTOMER Drawing        |

form: A4mmXLC

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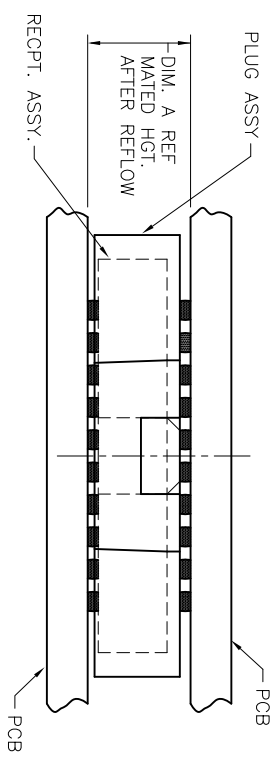


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| PRODUCT NUMBER | PICK-UP CAP | CONTACT PLATING         | SOLDER BALL              | NOTES   |
|----------------|-------------|-------------------------|--------------------------|---------|
| 74221-001      | YES         | 15µ" (.38µm) Au         | SnPb<br>SnAgCu LEAD FREE | 7       |
| 74221-001LF    | YES         |                         | SnPb<br>SnAgCu LEAD FREE | 7       |
| 74221-091      | YES         | 15µ" (.38µm) GXT        | SnPb<br>SnAgCu LEAD FREE | 7       |
| 74221-091LF    | YES         |                         | SnPb<br>SnAgCu LEAD FREE | 7       |
| 74221-101      | YES         | 30µ" (.76µm) Au         | SnPb<br>SnAgCu LEAD FREE | 7       |
| 74221-101LF    | YES         |                         | SnPb<br>SnAgCu LEAD FREE | 7       |
| 74221-191      | YES         | 30µ" (.76µm) GXT        | SnPb<br>SnAgCu LEAD FREE | 7       |
| 74221-191LF    | YES         |                         | SnPb<br>SnAgCu LEAD FREE | 7       |
| 74221-201      | YES         | Au SPECIAL              | SnPb<br>SnAgCu LEAD FREE | 5 AND 7 |
| 74221-201LF    | YES         |                         | SnPb<br>SnAgCu LEAD FREE | 5 AND 7 |
| 74221-291      | YES         | GXT SPECIAL             | SnPb<br>SnAgCu LEAD FREE | 5 AND 7 |
| 74221-291LF    | YES         |                         | SnPb<br>SnAgCu LEAD FREE | 5 AND 7 |
| 74221-A01      | YES         | 30µ" (.76µm) Au SPECIAL | SnPb<br>SnAgCu LEAD FREE | 8 AND 7 |
| 74221-A01LF    | YES         |                         | SnPb<br>SnAgCu LEAD FREE | 8 AND 7 |
| 74221-301      | YES         | 15µ" (.38µm) SPECIAL    | SnPb<br>SnAgCu LEAD FREE | 7 AND 8 |
| 74221-301LF    | YES         | 15µ" (.38µm) SPECIAL    | SnPb<br>SnAgCu LEAD FREE | 7 AND 8 |
| 74221-401      | YES         | 30µ" (.76µm) SPECIAL    | SnPb<br>SnAgCu LEAD FREE | 7 AND 8 |
| 74221-401LF    | YES         | 30µ" (.76µm) SPECIAL    | SnPb<br>SnAgCu LEAD FREE | 7 AND 8 |
| 74221-501      | YES         | SPECIAL                 | SnPb<br>SnAgCu LEAD FREE | 5 AND 8 |
| 74221-501LF    | YES         | SPECIAL                 | SnPb<br>SnAgCu LEAD FREE | 5, 7, 8 |



| MATED HEIGHT TABLE |               |                  |  |
|--------------------|---------------|------------------|--|
| DIM. A             | PLUG ASSY P/N | RECP.T. ASSY P/N |  |
| 4.0                | 84740         | 74221            |  |
| 10.0               | 84520         | 74221            |  |

MATED HEIGHT AFTER REFLOW IS BASED ON Ø .64mm PAD (METAL-DEFINED) AND .13mm SOLDER PASTE STENCIL THICKNESS. SEE NOTE 3.  
END VIEW - MATED CONNECTORS SCALE NONE

| mat'l. code | SEE NOTE 1 | surface | tolerance | projection            | product family |
|-------------|------------|---------|-----------|-----------------------|----------------|
| lit         | ecm no     | dr      | date      | ASME Y14.5            | MEG-ARRAY      |
| T           |            |         |           | ASME Y14.5            |                |
|             |            | angles  |           | X43                   |                |
|             |            | dr      |           | XXX-B                 |                |
|             |            | dr      |           | XXX-051               |                |
|             |            | dr      |           | D. WAUGHEN 1997-11-26 |                |
|             |            | dr      |           | T. LEMKE 1997-11-26   |                |
|             |            | dr      |           | T. LEMKE 1997-11-26   |                |
|             |            | dr      |           | T. LEMKE 1997-11-26   |                |
| sheet index | revision   |         |           |                       |                |
|             | sheet      |         |           |                       |                |



Scale: 2:1  
Title: 4mm RECEPTACLE ASSEMBLY  
10 x 40 = 400 POSITIONS  
Sheet 3 of 4  
Size: A4  
Type: CUSTOMER Drawing





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PRODUCT NUMBER  
SEE TABLE-SHEET 3

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NOTES:

- ① MATERIAL:  
HOUSING: LCP, MEETS UI94 V-0 OR BETTER.  
CONTACT: COPPER ALLOY
- PLATING  
CONTACT: (SEE TABLE ON SHEET 3)  
SOLDER BALL: (SEE TABLE ON SHEET 3)  
EUTECTIC SnPb OR LEAD FREE  
95.5Sn/4Ag/0.5Cu
- ② SOLDER BALLS WILL NOT BE PERFECT SPHERICAL SHAPE DUE TO REFLOW ATTACHMENT.
- ③ MATED HEIGHT EFFECTED BY CUSTOMER'S PCB PAD SIZE, PLATING, SOLDER REFLOW PROFILE, & SOLDER PASTE.
- ④ NO TIN\LEAD OR FLUX ABOVE TERMINAL SHOULDER.
- ⑤ PLATING FOR -2XX SERIES DASH NOS. MEETS THE REQUIREMENTS OF GR-1217-CORE, CENTRAL OFFICE ENVIRONMENT, (25 YEAR LIFE EXPECTANCY). THE
- ⑥ FOR PROPER APPLICATION FOLLOW FCI APPLICATION SPECIFICATION GS-20-033. LEAD FREE SOLDER BALLS WILL NOT SOLDER PROPERLY IN A LEADED SOLDER PROCESS DUE TO A HIGHER REFLOW TEMPERATURE. LEAD FREE PRODUCT IS THEREFORE NOT BACKWARDS COMPATIBLE WITH LEADED OR SOME SOLDERING APPLICATIONS. REFERENCE FCI APPLICATION SPECIFICATION.

- ⑦ THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004 PRODUCT MEETING THIS DIRECTIVE IS IDENTIFIED IN THE LOT CODE NUMBER MARKED ON EACH PART BY HAVING AN "X" IN THE SEVENTH CHARACTER POSITION.
- ⑧ 74221-A01, -A01LF, HAVE CUSTOMER SPECIAL PLATING.
- ⑨ CURRENT COMPANY LOGO TO BE VISIBLE IN APPROXIMATE AREA SHOWN.

10. A TRIANGLE SYMBOL WILL BE NEXT TO ANY DIMENSION, NEW VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

11. -301, -301LF, -401, -401LF, -501, -501LF ARE OBSOLETE

| mat'l. code | surface    | tolerance  | projection | product family          |
|-------------|------------|------------|------------|-------------------------|
| SEE NOTE 1  | ASME Y14.5 | ASME Y14.5 |            | MEG-ARRAY               |
| litr        | ecn no     | dr         | date       | title                   |
|             |            |            |            | 4mm RECEPTACLE ASSEMBLY |
|             |            |            |            | 10 x 40 = 400 POSITIONS |
|             |            |            |            | Sheet 4 of 4            |
|             |            |            |            | Size A4                 |
|             |            |            |            | CUSTOMER Drawing        |
| sheet       | revision   |            |            |                         |
| index       | sheet      |            |            |                         |

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