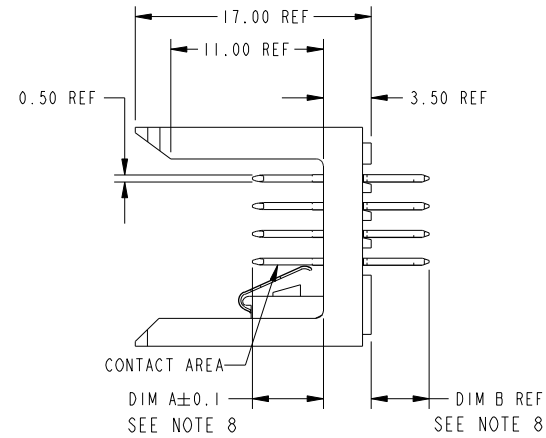
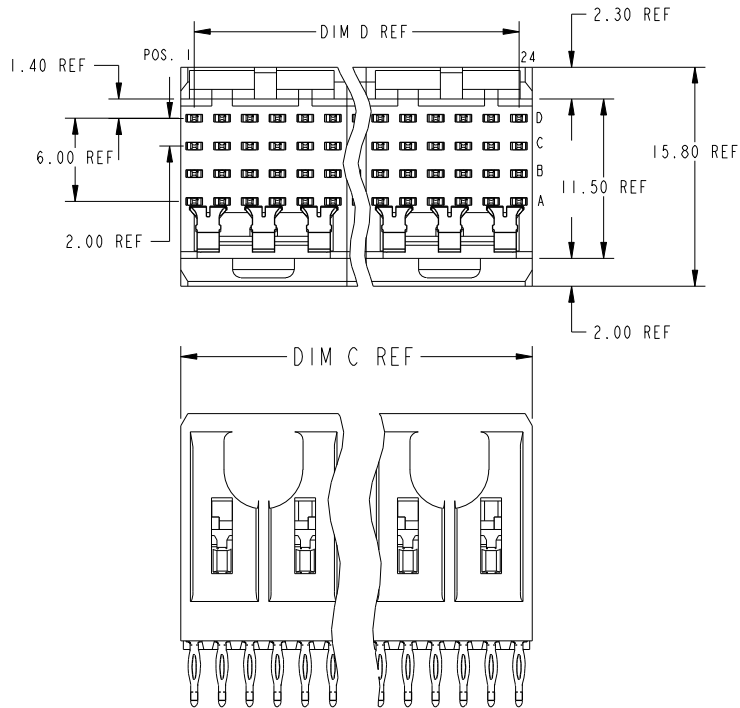




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REV E - 2006-04-18

PRODUCT NUMBER
72013-XXXX



| PLATING IN CONTACT AREA | |
|-------------------------|-------------------|
| DASH NUMBER | PERFORMANCE LEVEL |
| -1YYY | TELCORDIA CO |
| -8YYY | 0.8 um Au |
| -1YYYYF | TELCORDIA CO |
| -8YYYYF | 0.8 um Au |

| mat'l code | | | | tolerances unless otherwise specified | | CUSTOMER | | FCI | |
|-------------|----------------|------|------------|---------------------------------------|----------------------|------------|-----|--------------------|------------------------------|
| ltr | ecn no. | dr | date | | | COPY | | www.fciconnect.com | |
| R | V06-0544 | DCH | 2006-06-07 | linear | 0.X ±0.3 | projection | | title | METRAL SIGNAL HEADER |
| S | DG07-0454 | Cenh | 11/14/07 | | 0.XX ±0.13 | | | | 4 ROW, P.F. w/SHORTING CLIPS |
| T | DG08-0353 | Cenh | 2008-12-22 | angles | .XXX ±.051 | | | product family | METRAL |
| - | - | - | - | dr | 0° ±2° | MIM | | code | 213 |
| M | V03-0038 | TAB | 02/08/03 | enrg | S. ROYER 9-17-96 | scale | 2:1 | size | dwg no |
| N | V04-0211 | DAI | 03/01/04 | chr | C. PENDLETON 9-17-96 | | | | 72013 |
| P | V05-0548 | VS | 07/23/05 | appd | S. STONER 9-17-96 | | | | sheet |
| | | | | | M. PERHACS 11-28-01 | | | | 1 of 4 |
| sheet index | revision sheet | T | T | T | T | | | | |
| | | 1 | 2 | 3 | 4 | | | | |

Pro/E

cage code 22526

PDM: Rev:T

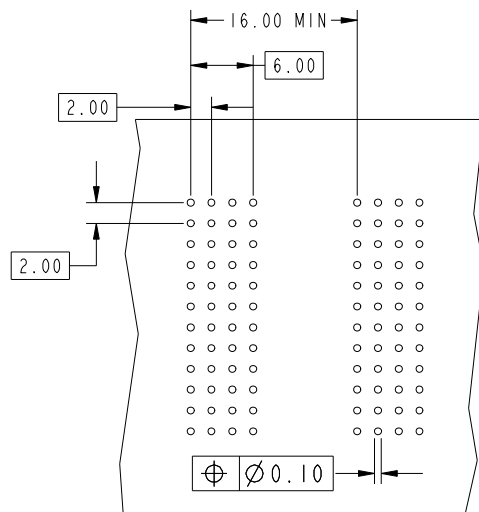
STATUS: Released

Printed: May 16, 2009



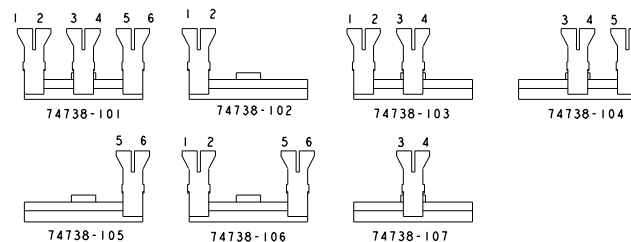
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

REV E - 2006-04-18



REQUIRED PC BOARD LAYOUT
COMPONENT SIDE

SEE PRINT 58351 FOR
ADDITIONAL PCB INFORMATION



| | | | | | | | | | | | | | |
|-------------|----------------|----|------|--------|--------------|---------------------------------------|---|----------|---|---|--------|--------------------|-------|
| mat'l code | | | | - - | | tolerances unless otherwise specified | | CUSTOMER | |  | | www.fciconnect.com | |
| litr | ecn no. | dr | date | linear | 0.X ±0.3 | | COPY | |  | title METRAL SIGNAL HEADER 4 ROW, P.F. w/SHORTING CLIPS | | | |
| T | | | | | 0.XX ±0.13 | | projection | | | | | | |
| | | | | | .XXX ±.051 | | | | | | | | |
| | | | | angles | 0° ±2° | | | | | | | | |
| | | | | dr | S. ROYER | 9-17-96 |  | | product family | | METRAL | code | |
| | | | | engr | C. PENDLETON | 9-17-96 | | | size | | dwg no | 213 | |
| | | | | chr | S. STONER | 9-17-96 | scale | | A | | 72013 | | |
| | | | | appd | M. PERHACS | 11-28-01 | 3:2 | | | | | | sheet |
| sheet index | revision sheet | | | | | | | | | | | | |

cage code 22526

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REV E - 2006-04-18



| PRODUCT NO. | DIM C | DIM D | 1 | 2 | 3 | 4 | 5 | 6 |
|---|-------|-------|-----------|---|---|---|---|---|
| 72013-X001 SEE NOTE 10 FOR LEAD FREE | 11.95 | 10 | D | 2 | 2 | 2 | 2 | 2 |
| | | | C | 2 | 2 | 2 | 2 | 2 |
| | | | B | 2 | 2 | 2 | 2 | 2 |
| | | | A | 2 | 2 | 2 | 2 | 2 |
| (NOTE 1) SHORTING CLIP P/N | | | 74738-106 | | | | | |

| PRODUCT NO. | DIM C | DIM D | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---|-------|-------|-----------|---|---|---|---|---|-----------|---|---|----|----|----|-----------|----|----|----|----|----|-----------|----|----|----|----|----|
| 72013-X002 SEE NOTE 10 FOR LEAD FREE | 47.95 | 46 | D | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | | C | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | | B | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | | A | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| (NOTE 1) SHORTING CLIP P/N | | | 74738-101 | | | | | | 74738-101 | | | | | | 74738-101 | | | | | | 74738-101 | | | | | |

| PRODUCT NO. | DIM C | DIM D | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|-------|-------|-----------|---|---|---|---|---|-----------|---|---|----|----|----|
| 72013-X003 SEE NOTE 10 FOR LEAD FREE | 23.95 | 22 | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| (NOTE 1) SHORTING CLIP P/N | | | 74738-101 | | | | | | 74738-101 | | | | | |

| PRODUCT NO. | DIM C | DIM D | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---|-------|-------|-----------|---|---|---|---|---|-----------|---|---|----|----|----|-----------|----|----|----|----|----|-----------|----|----|----|----|----|
| 72013-X004 SEE NOTE 10 FOR LEAD FREE | 47.95 | 48 | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| (NOTE 1) SHORTING CLIP P/N | | | 74738-101 | | | | | | 74738-101 | | | | | | 74738-101 | | | | | | 74738-101 | | | | | |

| PRODUCT NO. | DIM C | DIM D | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | | | |
|---|-------|-------|-----------|---|---|---|---|---|-----------|---|---|----|----|----|-----------|----|----|----|----|----|-----------|----|----|----|----|----|-----------|----|----|----|----|----|-----------|----|----|----|----|----|-----------|----|----|----|----|----|----|----|----|----|----|----|---|---|---|
| 72013-X005 SEE NOTE 10 FOR LEAD FREE | 95.95 | 94 | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | |
| | | | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | | | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| (NOTE 1) SHORTING CLIP P/N | | | 74738-101 | | | | | | 74738-101 | | | | | | 74738-101 | | | | | | 74738-101 | | | | | | 74738-101 | | | | | | 74738-101 | | | | | | 74738-101 | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|-------------|----------------|------|------|--------|--------------|--|--|--|--|---|--------|--------|------|
| mat'l code | | | | - - | | tolerances unless otherwise specified | | CUSTOMER | | <div>FCI</div> <div>www.fciconnect.com</div> | | | |
| litr | ecn no. | dr | date | linear | 0.X ±0.3 | | | COPY | | <div>title</div> <div>METRAL SIGNAL HEADER 4 ROW, P.F. w/SHORTING CLIPS</div> | | | |
| T | | | | | 0.XX ±0.13 | | | projection | | | | | |
| | | | | angles | .XXX ±.051 | | | <div></div> | | | | | |
| | | | | | 0° ±2° | | | | | | | | |
| | | dr | | | S. ROYER | 9-17-96 | | <div>MM</div> <div></div> | | product family | | METRAL | code |
| | | engr | | | C. PENDLETON | 9-17-96 | | | | size | dwg no | 213 | |
| | | chr | | | S. STONER | 9-17-96 | | scale | | A | | 72013 | |
| | | appd | | | M. PERHACS | 11-28-01 | | | | | | | |
| sheet index | revision sheet | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

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REV E - 2006-04-18

| PRODUCT NO. | DIM C | DIM D | | 1 | 2 | 3 | 4 | 5 | 6 |
|---|-------|-------|----------------------------|---|---|-----------|---|---|---|
| 72013-X006 SEE NOTE 10 FOR LEAD FREE | 11.95 | 10 | D | I | I | I | I | I | I |
| | | | C | I | I | I | I | I | I |
| | | | B | I | I | I | I | I | I |
| | | | A | I | I | I | I | I | I |
| | | | (NOTE 1) SHORTING CLIP P/N | | | 74738-105 | | | |

| PRODUCT NO. | DIM C | DIM D | | 1 | 2 | 3 | 4 | 5 | 6 |
|---|-------|-------|-----------|---|---|---|---|---|---|
| 72013-X007 SEE NOTE 10 FOR LEAD FREE | 11.95 | 10 | D | 5 | 5 | 5 | 5 | 5 | 5 |
| | | | C | 5 | 5 | 5 | 5 | 5 | 5 |
| | | | B | 5 | 5 | 5 | 5 | 5 | 5 |
| | | | A | 5 | 5 | 5 | 5 | 5 | 5 |
| (NOTE 1) SHORTING CLIP P/N | | | 74738-105 | | | | | | |

| PRODUCT NO. | DIM C | DIM D | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---|-------|-------|-----------|---|---|---|---|---|---|-----------|---|---|----|----|----|----|-----------|----|----|----|----|----|----|----|----|----|----|
| 72013-X008 SEE NOTE 10 FOR LEAD FREE | 47.95 | 48 | D | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | | C | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | | B | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | | A | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| (NOTE 1) SHORTING CLIP P/N | | | 74738-105 | | | | | | | 74738-105 | | | | | | | 74738-105 | | | | | | | | | | |

| PRODUCT NO. | DIM C | DIM D | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---|-------|-------|-----------|---|---|---|---|---|---|---|---|---|----|----|-----------|----|----|----|----|----|----|----|----|----|----|----|----|
| 72013-X009 SEE NOTE 10 FOR LEAD FREE | 47.95 | 48 | D | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | | | C | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | | | B | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| | | | A | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | |
| (NOTE 1) SHORTING CLIP P/N | | | 74738-105 | | | | | | | | | | | | 74738-105 | | | | | | | | | | | | |

NOTES:

- FOR DIM A, AND B SEE SHEET 2 AND UP.
- BODY MATERIAL: LIQUID CRYSTAL
POLYMER 30 % GLASS.
FLAME RETARDANT ACC. UL 94-V0.
- PIN MATERIAL
PHOSPHOR BRONZE:
- PLATING ON PRESS-FIT AREA.
72013-XXXX IS SnPb
72013-XXXXLF IS Sn LEAD FREE.
- PRODUCT MARKING:
PART NUMBER DESIGNATION & BATCH I.D.
- ALL PRODUCTS WITH PART NUMBERS SHOWN IN SUBSEQUENT TABLE
WILL BE PACKAGED IN TUBES. IF TRAY PACKAGING IS REQUIRED A
SUFFIX WILL BE ADDED TO THE END OF THE PART NUMBER.
EXAMPLE XXXXX-XXP OR XXXXX-XXPLF.
- PRODUCT SPECIFICATION GS-12-180
APPLICATION SPECIFICATION BUS-20-073
- AFTER INSERTION INTO CIRCUIT BOARD WITH QUALIFIED TOOL
FOR RELIABLE MAKE - BEFORE BREAK, DIMN A SHOULD BE MINIMUM
OF 6.50 IN ROW "A".
- FOR PRODUCTS WHERE THE PART NUMBER ENDS IN LF MEET THE
EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS
AS DESCRIBED IN GS-22-008.
ALL PRODUCT WILL WITHSTAND EXPOSURE TO 260° FOR
60 SECONDS IN A CONVECTION INFRA-RED AND OR VAPOUR PHASE
REFLOW OVEN.
- FOR LF PART NUMBERS ADD AN LF SUFFIX EXAMPLE: 72013-X001LF

| mat'l code | | | | tolerances unless otherwise specified | | CUSTOMER | FCI | | www.fciconnect.com | |
|------------|----------|----|------|--|----------------------|------------|-----|----------------|--|-------|
| litr | ecn no. | dr | date | linear | 0.X ±0.3 | COPY | | title | METRAL SIGNAL HEADER 4 ROW, P.F. w/SHORTING CLIPS | |
| T | | | | | 0.XX ±0.13 | projection | | | | |
| | | | | | .XXX ±.051 | | | | | |
| | | | | angles | 0° ±2° | | | product family | METRAL | |
| | | | | dr | S. ROYER 9-17-96 | | | | | |
| | | | | engr | C. PENDLETON 9-17-96 | | | | | |
| | | | | chr | S. STONER 9-17-96 | scale | A | size | dwg no | 213 |
| | | | | appd | M. PERHACS 11-28-01 | 1:1 | | | | |
| sheet | revision | | | | | | | | | |
| index | sheet | | | | | | | | | sheet |
| | | | | | | | | | | 4 |

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