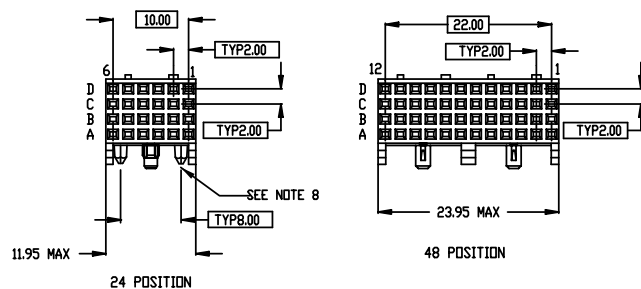
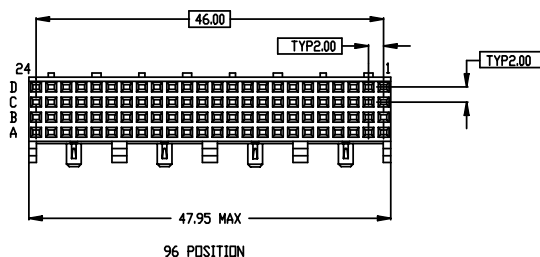


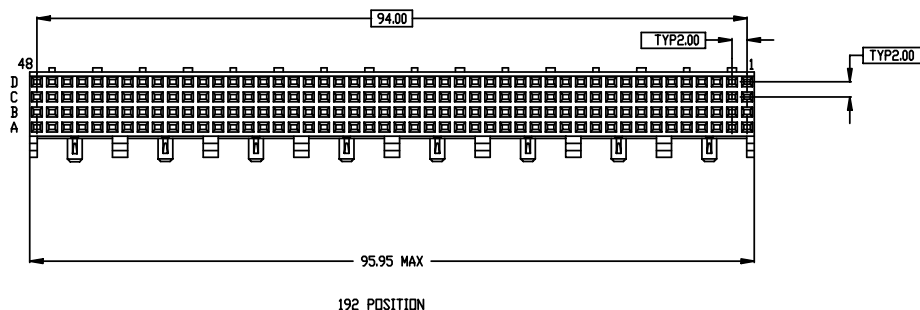
A



B



C



D

NOTES: UNLESS OTHERWISE SPECIFIED;

- 1 CONNECTOR MATERIALS:  
HOUSING: GLASS FILLED THERMOPLASTIC,  
UL94-V0 COMPLIANT  
KEEPER: GLASS FILLED THERMOPLASTIC,  
UL94-V0 COMPLIANT  
TERMINAL: PHOSPHOR BRONZE ALLOY
- 2 PACKED IN TUBES.
- 3 FEATURE MAY OR MAY NOT BE PRESENT DEPENDING UPON THE MOLD TOOL USED TO PRODUCE PRODUCT.
- 4 PRODUCT SPECIFICATION: GS-12-177.
- 5 APPLICATION SPECIFICATION: GS-20-015.  
UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- 6 THE PRODUCTS WHERE THE PART NUMBER ENDS IN 'LF' MEET THE EUROPEAN
- 7 ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- 8 LOCATION PEGS ARE EXISTED ONLY IN ONE MODULE

A

B

C

D



Copyright FCI.

| rev | ecn no    | dr   | date     |
|-----|-----------|------|----------|
| M   | V04-1123  | TAB  | 02/03/05 |
| N   | V05-0437  | VS   | 07/14/05 |
| P   | V05-1026  | JRV  | 11/7/05  |
| R   | DG06-0378 | KL   | 09/01/06 |
| S   | DG06-0434 | Cenh | 10/23/06 |
| T   | DG08-0173 | TER  | 7/11/08  |
| U   | N10-0382  | Cenh | 11/13/10 |

|                           |  |  |                         |               |            |              |
|---------------------------|--|--|-------------------------|---------------|------------|--------------|
| www.fciconnect.com        |  |  | surface                 | tolerance std | projection | MM           |
|                           |  |  | ANGULAR                 | LINEAR        | size       | Scale        |
| Dr V. SEBASTIAN 07/14/05  |  |  | 0°                      | ±2°           | A4         | 4:1          |
| Eng J. VOLSTROF 07/14/05  |  |  | 0.X                     | ± 0.50        | ECN        | N10-0382     |
| Chr J. VOLSTROF 07/14/05  |  |  | 0.XX                    | ± 0.13        | Spec ref   |              |
| Appr J. VOLSTROF 07/14/05 |  |  | 0.XXX                   | ± -           |            |              |
|                           |  |  | Product family          |               | METRAL     |              |
| FCI                       |  |  | title                   |               | dwg no     | Rev.         |
|                           |  |  | T SERIES R/A RECEPTACLE |               | SE96846    | U            |
|                           |  |  | ASSY, 4 ROW, STB        |               |            |              |
|                           |  |  | catalog no              |               | CUSTOMER   | sheet 1 of 4 |

1

2

3

4

A

B

C

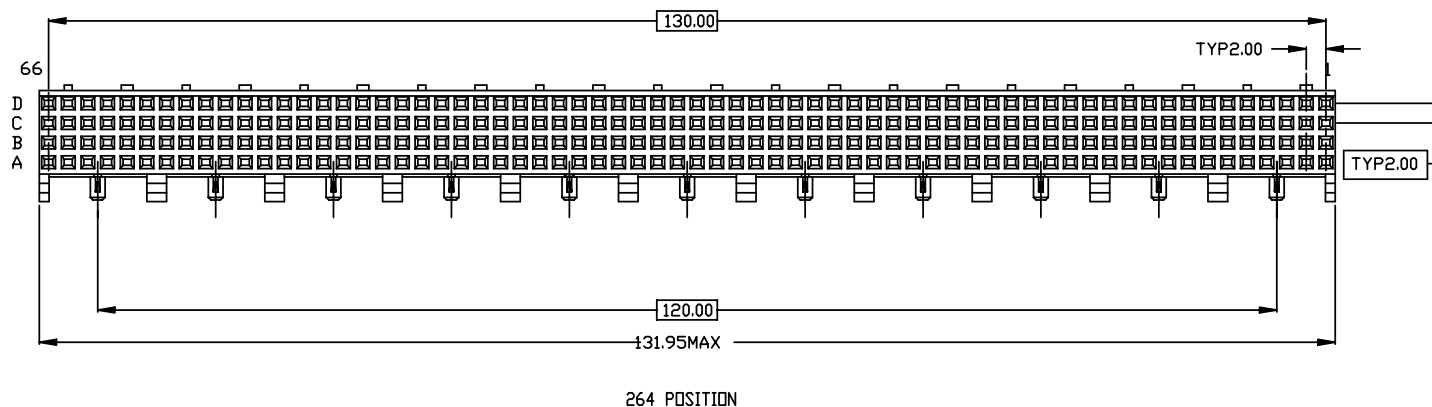
D

A

B

C

D



|                                                                                       |                                                      |          |                                                                                               |        |                     |        |                                                                                                  |              |                                                                                       |  |
|---------------------------------------------------------------------------------------|------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------|--------|---------------------|--------|--------------------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------|--|
| www.fciconnect.com                                                                    |                                                      |          | surface  |        | tolerance std       |        | projection  |              |  |  |
|                                                                                       |                                                      |          | TOLERANCES UNLESS                                                                             |        | OTHERWISE SPECIFIED |        |                                                                                                  |              |                                                                                       |  |
| Dr                                                                                    | V. SEBASTIAN                                         | 07/14/05 | ANGULAR                                                                                       | LINEAR | 0.X                 | ± 0.50 | size                                                                                             | A4           | Scale                                                                                 |  |
| Eng                                                                                   | J. VOLSTROF                                          | 07/14/05 |                                                                                               |        | 0.XX                | ± 0.13 |                                                                                                  |              | 4:1                                                                                   |  |
| Chr                                                                                   | J. VOLSTROF                                          | 07/14/05 |                                                                                               |        | 0.XXX               | ± -    | ECN                                                                                              |              | N10-0382                                                                              |  |
| Appr                                                                                  | J. VOLSTROF                                          | 07/14/05 | Product family                                                                                |        |                     | METRAL | Spec ref                                                                                         |              |                                                                                       |  |
|  | title<br>T SERIES R/A RECEPTACLE<br>ASSY, 4 ROW, STB |          |                                                                                               |        |                     | dwg no | SE96846                                                                                          |              | Rev<br>U                                                                              |  |
|                                                                                       |                                                      |          |                                                                                               |        |                     |        |                                                                                                  |              |                                                                                       |  |
|                                                                                       | catalog no                                           |          |                                                                                               |        |                     |        | CUSTOMER                                                                                         | sheet 2 of 4 |                                                                                       |  |

REV F - 2006-04-17

1

2

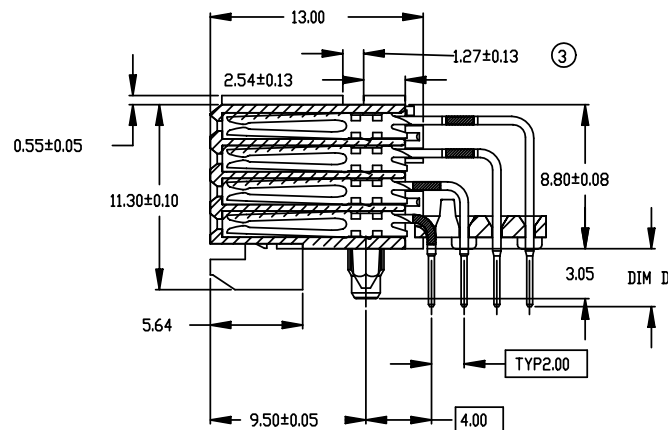
3 PDM: Rev:U

STATUS: Released

4 Printed: Dec 01, 2010



Copyright FCI.

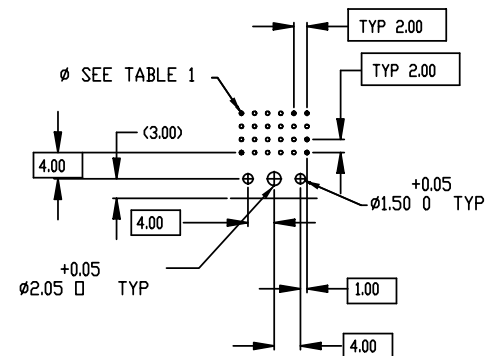
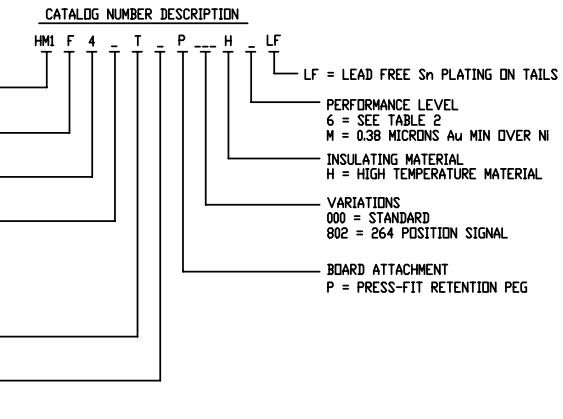


|                       | PCB THICKNESS | DIM D      | RETENTION FEATURES |
|-----------------------|---------------|------------|--------------------|
| HM1 F 4_ T A R 000 H6 | 1.60          | 2.90±0.30  | HEAT STAKE PEGS    |
| HM1 F 4_ T B R 000 H6 | 2.40          | 3.60±0.30  |                    |
| HM1 F 4_ T A P 000 H6 | 1.60          | 2.90 ±0.30 | PRESS-FIT PEGS     |
| HM1 F 4_ T B P 000 H6 | 2.40          | 3.60 ±0.30 |                    |
| HM1 F 49 T A P 802 H6 | 1.60          | 2.90 ±0.30 |                    |

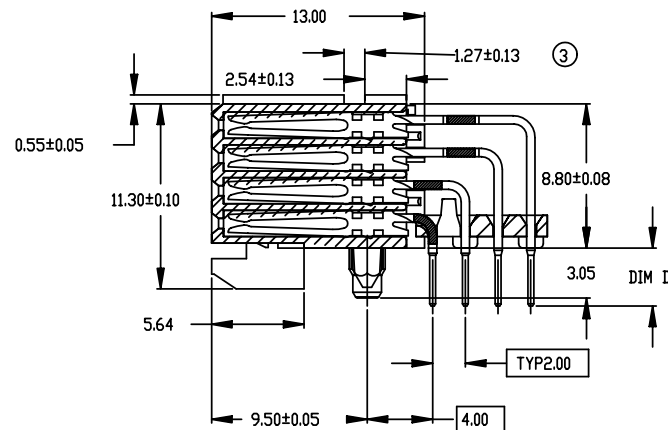
TABLE 2

| CODE | CONTACT AREA                                                                              | PERFORMANCE LEVEL |
|------|-------------------------------------------------------------------------------------------|-------------------|
| 6    | 0.75um Au min over 1.3um Ni min<br>or 0.68um PdNi min<br>+0.08um Au min over 1.3um Ni min | TELCORDIA CD      |

**OBSELETE**

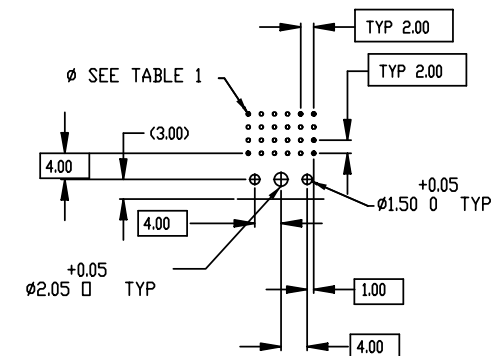


RECOMMENDED PC BOARD LAYOUT,  
COMPONENT SIDE  
SEE PRINT 58351 FOR ADDITIONAL  
PCB INFORMATION



|                          | PCB THICKNESS | DIM D      | RETENTION FEATURES |
|--------------------------|---------------|------------|--------------------|
| HMI F 4_ T A P 400 H__LF | 1.60          | 2.90 ±0.30 | PRESS-FIT PEGS     |
| HMI F 4_ T B P 400 H__LF | 2.40          | 3.60 ±0.30 |                    |

| CATALOG NUMBER DESCRIPTION                                                                                                                                               |                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| PRODUCT FAMILY<br>HMI = METRAL HMI                                                                                                                                       | HMI                                   |
| PRODUCT TYPE<br>F = FEMALE SIGNAL, RIGHT ANGLE                                                                                                                           | F                                     |
| NUMBER OF ROWS<br>4 = 4 ROW                                                                                                                                              | 4                                     |
| BODY LENGTH<br>1 = 12.00 (24 POSITION SIGNAL)<br>2 = 24.00 (48 POSITION SIGNAL)<br>3 = 48.00 (96 POSITION SIGNAL)<br>4 = 96.00 (192 POSITION SIGNAL)<br>9 = NON-STANDARD | 4                                     |
| MATING CONTACT<br>T = TWISTED FEMALE                                                                                                                                     | T                                     |
| PCB TERMINATION TYPE<br>A = SOLDER TAIL, FOR 1.60mm PCB<br>B = SOLDER TAIL, FOR 2.40mm PCB                                                                               | P                                     |
|                                                                                                                                                                          | 400                                   |
|                                                                                                                                                                          | H                                     |
|                                                                                                                                                                          | =                                     |
|                                                                                                                                                                          | LF                                    |
|                                                                                                                                                                          | LF = LEAD FREE Sn PLATING ON TAILS    |
|                                                                                                                                                                          | P = PACKAGED IN TRAYS                 |
|                                                                                                                                                                          | = = SEE PACKAGE SPEC GS-14-1228       |
|                                                                                                                                                                          | PERFORMANCE LEVEL                     |
|                                                                                                                                                                          | 6 = TELCORDIA CO                      |
|                                                                                                                                                                          | E = CUSTOMER SPECIAL                  |
|                                                                                                                                                                          | 0.75 $\mu$ m GOLD SELECTIVE PLATING   |
|                                                                                                                                                                          | INSULATING MATERIAL                   |
|                                                                                                                                                                          | H = HIGH TEMPERATURE MATERIAL         |
|                                                                                                                                                                          | SPECIAL DATAS                         |
|                                                                                                                                                                          | VISUAL INSPECTION 100%                |
|                                                                                                                                                                          | - MARKING FAILURES                    |
|                                                                                                                                                                          | - HOUSING MATERIAL FAILURES           |
|                                                                                                                                                                          | - SPOILT HOUSING                      |
|                                                                                                                                                                          | - STAINED HOUSING                     |
|                                                                                                                                                                          | - BROKEN CONTACTS (Twisted or Loosen) |
|                                                                                                                                                                          | BOARD ATTACHMENT                      |
|                                                                                                                                                                          | P = PRESS-FIT RETENTION PEG           |



RECOMENDED PC BOARD LAYOUT,  
COMPONENT SIDE  
SEE PRINT 58351 FOR ADDITIONAL  
PCB INFORMATION

|                                                                                       |              |                                             |                                             |     |               |        |                                                                                                  |              |                                                                                          |              |
|---------------------------------------------------------------------------------------|--------------|---------------------------------------------|---------------------------------------------|-----|---------------|--------|--------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------|--------------|
| www.fciconnect.com                                                                    |              |                                             | surface <input checked="" type="checkbox"/> |     | tolerance std |        | projection  |              | MM  |              |
|                                                                                       |              |                                             | TOLERANCES UNLESS OTHERWISE SPECIFIED       |     |               |        |                                                                                                  |              |                                                                                          |              |
| Dr                                                                                    | V. SEBASTIAN | 07/14/05                                    | ANGULAR                                     |     | LINEAR        | 0.X    | ± 0.50                                                                                           | size         | A4                                                                                       | Scale<br>4:1 |
| Eng                                                                                   | J. VOLSTROF  | 07/14/05                                    |                                             |     |               | 0.XX   | ± 0.13                                                                                           |              |                                                                                          |              |
| Chr                                                                                   | J. VOLSTROF  | 07/14/05                                    | 0°                                          | ±2° |               | 0.XXX  | ± -                                                                                              | ECN          |                                                                                          | N10-0382     |
| Appr                                                                                  | J. VOLSTROF  | 07/14/05                                    | Product family                              |     |               | METRAL |                                                                                                  | Spec ref     |                                                                                          |              |
|  |              | T SERIES R/A RECEPTACLE<br>ASSY, 4 ROW, STB |                                             |     |               |        | dwg no<br>SE96846                                                                                |              | Rev.<br>U                                                                                |              |
|                                                                                       |              |                                             |                                             |     |               |        |                                                                                                  |              |                                                                                          |              |
|                                                                                       |              | catalog no                                  |                                             |     | CUSTOMER      |        |                                                                                                  | sheet 4 of 4 |                                                                                          |              |

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9