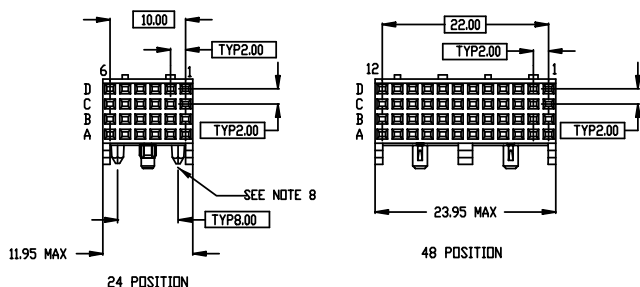
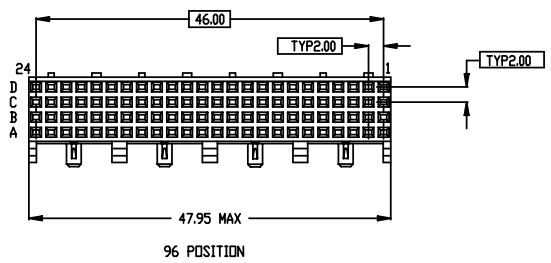


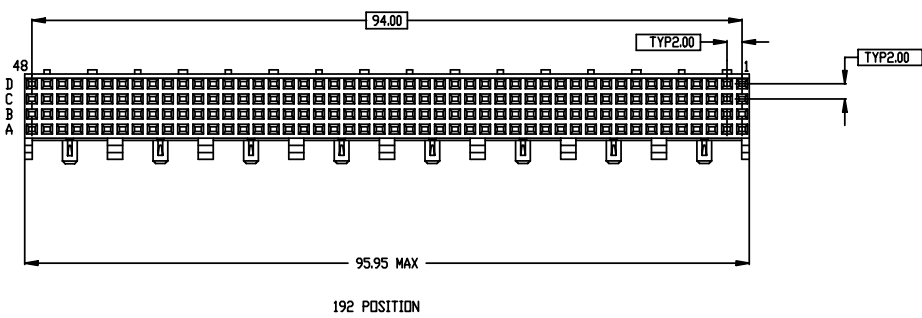
A



B



C



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

1

2

3

4

A

B

C

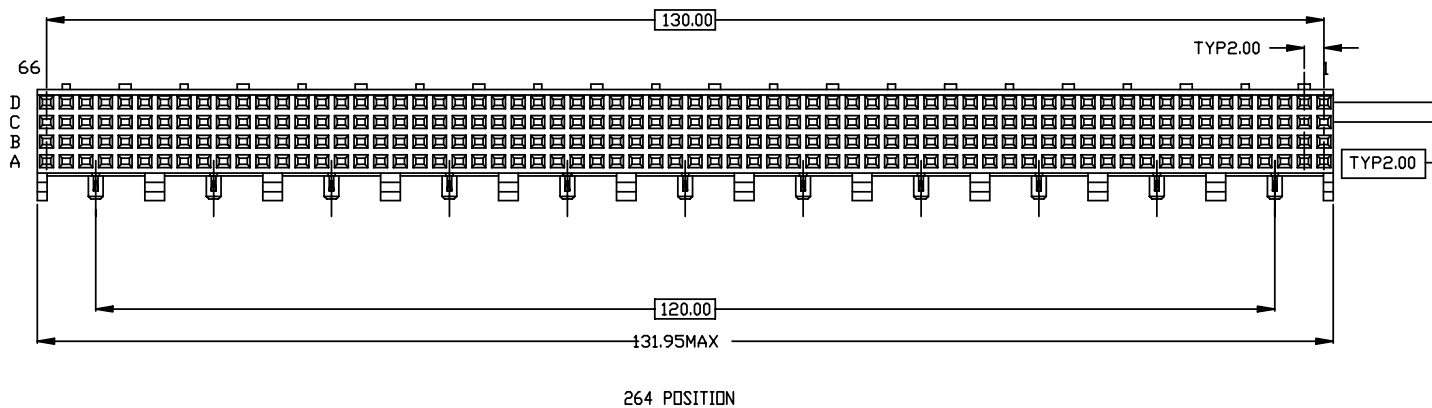
D

A

B

C

D



Copyright FCI.

| | | | | | | | | |
|--------------------|--------------|----------|--|---------------|------------|----------------|---------|--------------|
| 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 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 | | |
| | | | title T SERIES R/A RECEPTACLE ASSY, 4 ROW, STB | | | dwg no SE96846 | | Rev. 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

A

B

C

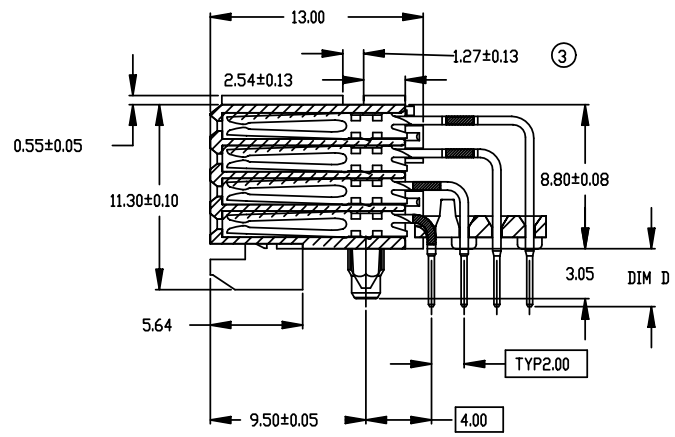
D

A

B

C

D



CATALOG NUMBER DESCRIPTION

HMI F 4 T P H LF

PRODUCT FAMILY
HMI = METRAL HMI

PRODUCT TYPE
F = FEMALE SIGNAL, RIGHT ANGLE

NUMBER OF ROWS
4 = 4 ROW

BODY LENGTH
1 = 12.00 (24 POSITION SIGNAL)
2 = 24.00 (48 POSITION SIGNAL)
3 = 48.00 (96 POSITION SIGNAL)
4 = 96.00 (192 POSITION SIGNAL)
9 = NON-STANDARD

MATING CONTACT
T = TWISTED FEMALE

PCB TERMINATION TYPE
A = SOLDER TAIL, FOR 1.60mm PCB
B = SOLDER TAIL, FOR 2.40mm PCB

LF = LEAD FREE Sn PLATING ON TAILS

PERFORMANCE LEVEL
6 = SEE TABLE 2
M = 0.38 MICRONS Au MIN OVER NI

INSULATING MATERIAL
H = HIGH TEMPERATURE MATERIAL

VARIATIONS
000 = STANDARD
802 = 264 POSITION SIGNAL

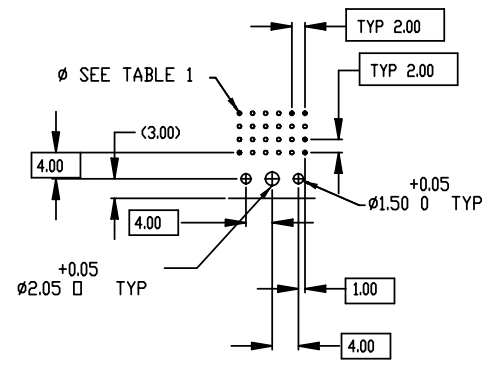
BOARD ATTACHMENT
P = PRESS-FIT RETENTION PEG

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

OBSOLETE

TABLE 2

| CODE | CONTACT AREA | PERFORMANCE LEVEL |
|------|---|-------------------|
| 6 | 0.75um Au min over 1.3um Ni min or 0.68um PdNi min +0.08um Au min over 1.3um Ni min | TELCORDIA C0 |

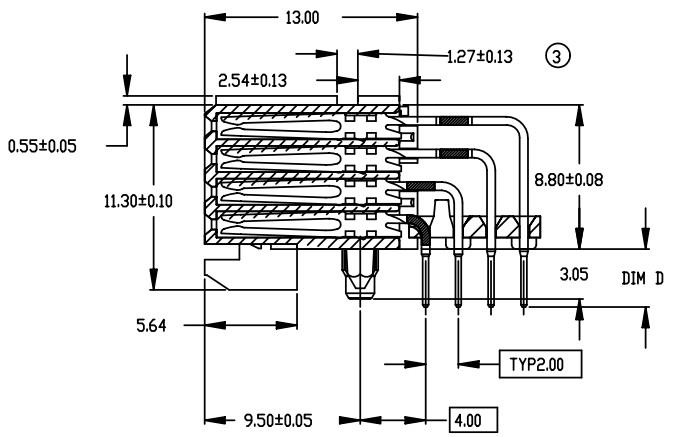


RECOMMENDED PC BOARD LAYOUT,
COMPONENT SIDE
SEE PRINT 58351 FOR ADDITIONAL
PCB INFORMATION



Copyright FCI.

| | | | | | | |
|--------------------|--------------|----------|--|---------------|----------------|--------------|
| www.fciconnect.com | | | surface <input checked="" type="checkbox"/> | tolerance std | projection | MM |
| | | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | |
| Dr | V. SEBASTIAN | 07/14/05 | ANGULAR | 0.X | ± 0.50 | size A4 |
| Eng | J. VOLSTROF | 07/14/05 | LINEAR | 0.XX | ± 0.13 | Scale 4:1 |
| Chr | J. VOLSTROF | 07/14/05 | 0° ±2° | 0.XXX | ± - | ECN N10-0382 |
| Appr | J. VOLSTROF | 07/14/05 | Product family | METRAL | Spec ref | |
| | | | title T SERIES R/A RECEPTACLE ASSY, 4 ROW, STB | | dwg no SE96846 | Rev. U |
| catalog no | | | CUSTOMER | | sheet 3 of 4 | |



CATALOG NUMBER DESCRIPTION

PRODUCT FAMILY
HMI = METRAL HMI

PRODUCT TYPE
F = FEMALE SIGNAL, RIGHT ANGLE

NUMBER OF ROWS
4 = 4 ROW

BODY LENGTH
1 = 12.00 (24 POSITION SIGNAL)
2 = 24.00 (48 POSITION SIGNAL)
3 = 48.00 (96 POSITION SIGNAL)
4 = 96.00 (192 POSITION SIGNAL)
9 = NON-STANDARD

MATING CONTACT
T = TWISTED FEMALE

PCB TERMINATION TYPE
A = SOLDER TAIL, FOR 1.60mm PCB
B = SOLDER TAIL, FOR 2.40mm PCB

LF = LEAD FREE Sn PLATING ON TAILS

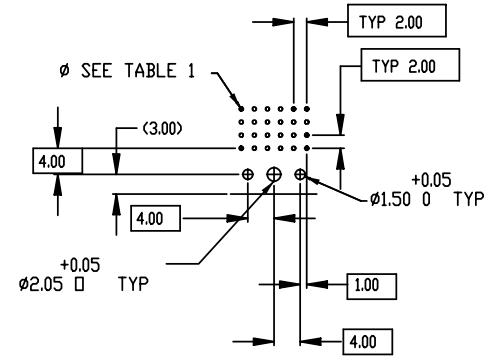
P = PACKAGED IN TRAYS
- = SEE PACKAGE SPEC GS-14-1228

PERFORMANCE LEVEL
6 = TELCORDIA CD
E = CUSTOMER SPECIAL
0.75 μ 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



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 | |

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



Copyright FCI.

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

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9