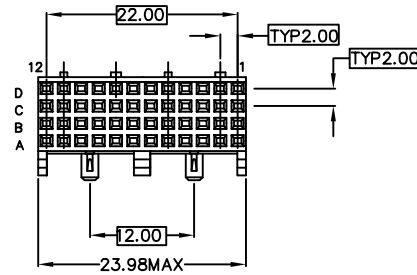
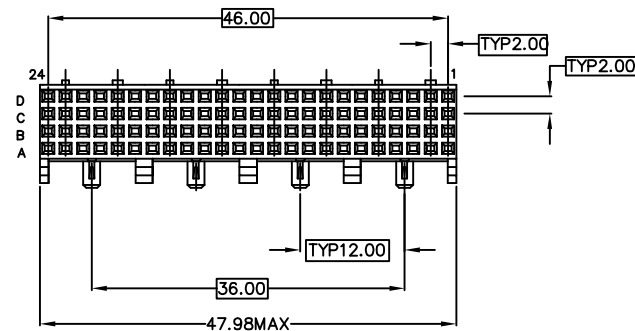


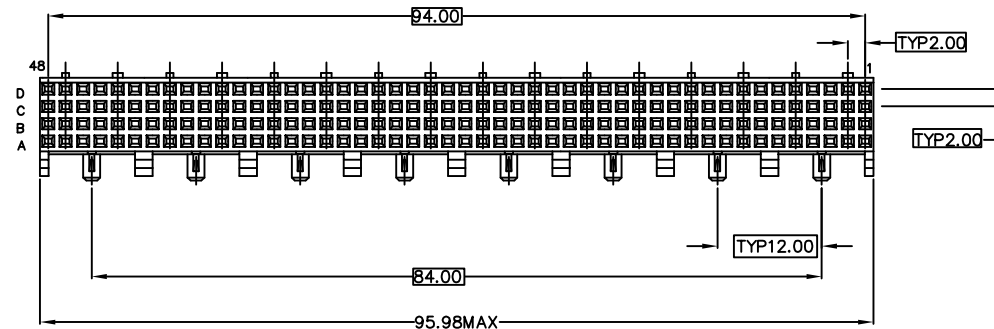
24 POSITION



48 POSITION



96 POSITION

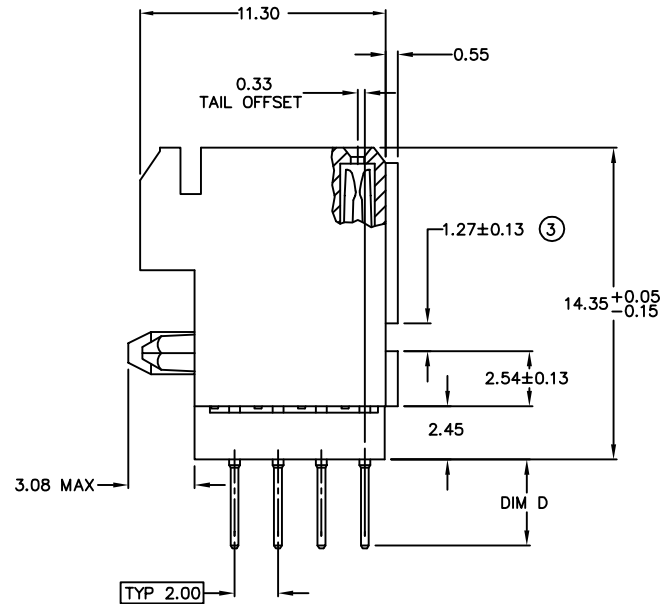


192 POSITION

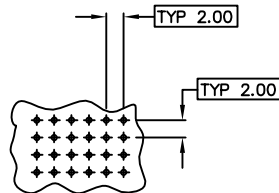
NOTES: UNLESS OTHERWISE SPECIFIED:

- 1 CONNECTOR MATERIALS:  
HOUSING: 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.
- 6 THE PRODUCTS WHERE THE PART NUMBER ENDS IN "LF" MEET THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- 7 ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRARED OR VAPOR PHASE REFLOW OVEN.
- 8 LOCATION PEGS ONLY EXISTED IN ONE MODULE TYPE.

| mat'l. code |                |       |          | tolerances unless otherwise specified |                       | CUSTOMER COPY | <br>www.fciconnect.com                                        |  |  |
|-------------|----------------|-------|----------|---------------------------------------|-----------------------|---------------|---------------------------------------------------------------|--|--|
| ltr         | ecn no         | dr    | date     |                                       |                       |               |                                                               |  |  |
| F           | V04-1124       | TAB   | 02/04/05 | linear                                | .NONE ±3[±.1]         | projection    | <br>title<br>T SERIES STRAIGHT RECEPTACLE<br>ASSY, 4 ROW, STB |  |  |
| G           | V05-0438       | VS    | 07/14/05 |                                       | .X ±.5[.02]           |               |                                                               |  |  |
| H           | DG06-0501      | Kason | 12/01/06 | angles                                | .XX±.13[.005]         |               | <br>product family METRAL                                     |  |  |
| J           | DG08-0173      | TER   | 7/11/08  | dr                                    | 0° ±1°                |               |                                                               |  |  |
|             |                |       |          | enr                                   | V. SEBASTIAN 07/14/05 | MM            | size dwg no<br>A SE96860                                      |  |  |
|             |                |       |          | chr                                   | J. VOLSTROF 07/14/05  | scale         |                                                               |  |  |
|             |                |       |          | appd                                  | J. VOLSTROF 07/14/05  | 4:1           | code<br>213                                                   |  |  |
| sheet index | revision sheet | J     | J        |                                       |                       |               |                                                               |  |  |
|             |                | 1     | 2        |                                       |                       |               | cage code<br>22526                                            |  |  |
|             |                |       |          |                                       |                       |               |                                                               |  |  |



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



# CATALOG NUMBER DESCRIPTION

PRODUCT FAMILY  
HM1 = METRAL HM1

PRODUCT TYPE  
S = FEMALE SIGNAL, STRAIGHT

NUMBER OF ROWS  
4 = 4 ROW

BODY LENGTH  
1 = 12 mm (24 POSITION SIGNAL)  
2 = 24 mm (48 POSITION SIGNAL)  
3 = 48 mm (96 POSITION SIGNAL)  
4 = 96 mm (192 POSITION SIGNAL)

MATING CONTACT  
T = TWISTED FEMALE

LF = LEAD FREE Sn PLATING ON TAILS

PERFORMANCE LEVEL  
SEE TABLE 2

INSULATING MATERIAL  
H = HIGH TEMPERATURE MATERIAL

VARIATIONS  
000 = STANDARD

BOARD ATTACHMENT  
R = STANDARD STRAIGHT

PCB TERMINATION TYPE  
R = SOLDER TAIL, DIM D = 3.30±0.30  
S = SOLDER TAIL, DIM D = 4.10±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 CO      |

| mat'l. code |                |    |      | tolerances unless otherwise specified |        | CUSTOMER COPY | FCI                          |  |        |  |
|-------------|----------------|----|------|---------------------------------------|--------|---------------|------------------------------|--|--------|--|
| ltr         | ecn no         | dr | date | linear                                | angles |               | www.fciconnect.com           |  |        |  |
| J           |                |    |      | .NONE ±3[±.1]                         | 0° ±1° | projection    | title                        |  |        |  |
|             |                |    |      | .X ±.5[.02]                           |        | ⊕             | T SERIES STRAIGHT RECEPTACLE |  |        |  |
|             |                |    |      | .XX ±13[.005]                         |        | MM            | ASSY, 4 ROW, STB             |  |        |  |
|             |                |    |      | dr V. SEBASTIAN 07/14/05              |        | 10:1          | product family METRAL        |  | code   |  |
|             |                |    |      | enr J. VOLSTROF 07/14/05              |        |               | size dwg no                  |  | 213    |  |
|             |                |    |      | chr J. VOLSTROF 07/14/05              |        |               | A SE96860                    |  | sheet  |  |
|             |                |    |      | appd J. VOLSTROF 07/14/05             |        |               |                              |  | 2 of 2 |  |
| sheet index | revision sheet |    |      |                                       |        |               |                              |  |        |  |

cage code  
22526