

CATALOG NUMBER DESCRIPTION

HM1 F 4 1 T A P C61 H 6

PRODUCT FAMILY  
 HM1 = METRAL HM1

PRODUCT TYPE  
 F = FEMALE SIGNAL, RIGHT ANGLE

NUMBER OF ROWS  
 4 = 4 ROW

BODY LENGTH  
 1 = 12.00 [24 POSITIONS SIGNAL]

MATING CONTACT  
 T = FEMALE CONTACT

PCB TERMINATION TYPE  
 A = SOLDER TAIL, FOR 1.6mm PCB

LF = LEAD FREE Sn PLATING ON TAILS  
 - = SnPb PLATING ON TAILS

P = PACKAGED IN TRAYS  
 - = PACKAGED IN TUBES

PERFORMANCE LEVEL  
 6 = 125 OPERATIONS + 10 DAYS MIXED  
 GAS + 125 OPERATIONS

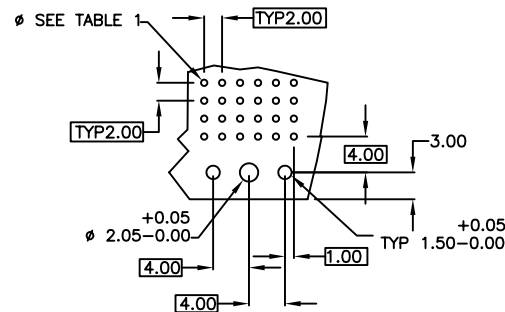
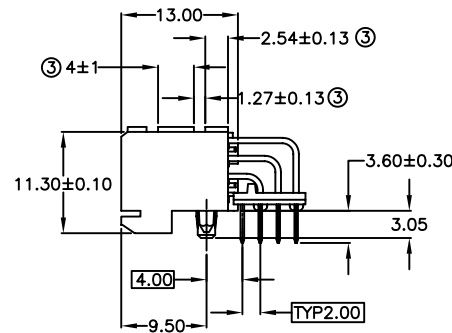
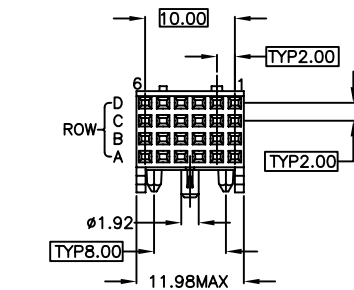
INSULATING MATERIAL  
 H = HIGH TEMPERATURE MATERIAL

VARIATIONS  
 C61 = LOW INSERTION FORCE  
 PRESS-PEG

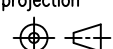
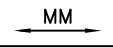
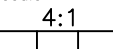
BOARD ATTACHMENT  
 P = PRESS-FIT RETENTION PEG

NOTES: UNLESS OTHERWISE SPECIFIED;

- CONNECTOR MATERIALS:  
 HOUSING: GLASS FILLED THERMOPLASTIC, UL94-V0 COMPLIANT  
 KEEPER: GLASS FILLED THERMOPLASTIC, UL94-V0 COMPLIANT  
 TERMINAL: PHOSPHOR BRONZE ALLOY
- CONTACT FINISH:  
 PERFORMANCE LEVEL 6 = TALCORDIA CO IEC CLASS I
- FEATURES MAY OR MAY NOT BE PRESENT DEPENDING UPON THE MOLD TOOL USED TO PRODUCE PRODUCT.
- SEE PRODUCT SPECIFICATION GS-12-177.
- SEE APPLICATION SPECIFICATION GS-20-015.
- THE PRODUCTS WHERE THE PART NUMBER ENDS IN 'LF' MEET THE EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
- ALL PRODUCTS WILL WITHSTAND EXPOSURE TO 260°C FOR 60 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.



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

| mat'l. code |                |     |          | tolerances unless otherwise specified |                       | CUSTOMER COPY | <br>www.fciconnect.com                                       |  |  |
|-------------|----------------|-----|----------|---------------------------------------|-----------------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| ltr         | ecn no         | dr  | date     |                                       |                       |               |                                                                                                                                                   |  |  |
| C           | V04-1123       | TAB | 02/03/05 | linear                                | NONE±3                | projection    | <br>title<br>T SERIES R/A RECEPTACLE ASSY, 4 ROW, 1 MOD, STB |  |  |
| D           | V05-0437       | VS  | 07/14/05 |                                       | .X±0.5                |               |                                                                                                                                                   |  |  |
|             |                |     |          | angles                                | .XX±0.13              |               | <br>product family METRAL                                    |  |  |
|             |                |     |          | dr                                    | 0°±1°                 |               |                                                                                                                                                   |  |  |
|             |                |     |          | enrg                                  | V. SEBASTIAN 07/14/05 | MM            | <br>size<br>A 10008901                                       |  |  |
|             |                |     |          | chr                                   | J. VOLSTROF 07/14/05  | 4:1           |                                                                                                                                                   |  |  |
|             |                |     |          | appd                                  | J. VOLSTROF 07/14/05  |               | code<br>213<br>sheet<br>1 of 1                                                                                                                    |  |  |
| sheet index | revision sheet | D   | 1        |                                       |                       |               |                                                                                                                                                   |  |  |

cage code  
22526