



(2.00 mm) .0787"

TMM-112-01-L-D-RA

TMM-116-02-F-S

TMM-108-01-T-D

TMM-108-03-F-Q

TMM SERIES

# LOW-PROFILE THROUGH-HOLE HEADER

## SPECIFICATIONS

For complete specifications see [www.samtec.com?TMM](http://www.samtec.com?TMM)

### Insulator Material:

Black Liquid Crystal Polymer

### Terminal Material:

Phosphor Bronze

### Plating:

Sn or Au over

50 μm (1.27 μm) Ni

**Current Rating (SMM/TMM):**

3.2 A per row

(2 pins powered)

### Operating Temp Range:

-55 °C to +105 °C with Tin;

-55 °C to +125 °C with Gold

### Voltage Rating:

281 VAC mated with SQW;

250 VAC mated with SQT

**RoHS Compliant:** Yes

**Lead-Free Solderable:** Yes

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



FILE NO. E111594

## ALSO AVAILABLE

(MOQ Required)

- Other platings

**Note:**  
Some lengths, styles and options are non-standard, non-returnable.

## Other Solutions

**Press-fit**  
See PTT Series.

**Elevated**  
See TW Series.

**High-density**  
See TMMH Series.

**Shrouded Four Row Vertical & Right-Angle**  
See TMMS Series.

Paste In Hole (PIH) processing. Contact Samtec ASP Group for part customization.

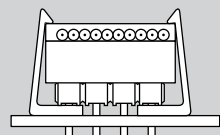
## Board Mates:

CLT, SQT, SQW, ESQT,  
TLE, SMM, MMS

## Cable Mates:

TCSD

## APPLICATION



Retention Clip Option (-RC)

## HIGH-SPEED CHANNEL PERFORMANCE

Rating based on Samtec reference channel. For full SI performance data visit [Samtec.com](http://Samtec.com) or contact [SIG@samtec.com](mailto:SIG@samtec.com)

8  
Gbps

Single, double and quad row

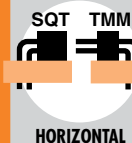
Choice of five lead styles

Ultra-low profile  
(1.50 mm) .059"

(2.00 mm)  
.0787"

(2.00 mm)  
.0787" pitch

## APPLICATIONS



HORIZONTAL

| TMM        | 1 | NO. PINS PER ROW | LEAD STYLE                           | PLATING OPTION                                                                                                                                                                                                                   | ROW OPTION                                                                                | OTHER OPTION                                                                                                                                                                                                                                                                                           |
|------------|---|------------------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 01 thru 50 |   |                  | Specify LEAD STYLE from chart below. | <b>-F</b><br>= Gold flash on post, Matte Tin on tail<br><br><b>-L</b><br>= 10 μm (0.25 μm) Gold on post, Matte Tin on tail<br><br><b>-S</b><br>= 30 μm (0.76 μm) Gold on post, Matte Tin on tail<br><br><b>-T</b><br>= Matte Tin | <b>-S</b><br>= Single Row<br><br><b>-D</b><br>= Double Row<br><br><b>-Q</b><br>= Four Row | <b>-RA &amp; -RE</b><br>= Right-angle (Lead Style -01 only) (2 positions minimum, -Q row)<br><br><b>-RC</b><br>= Retention Clip (Mates with TCSD) (Double row only, 4 positions minimum, only available -06 lead style)<br><br><b>-“XXX”</b><br>= Polarized Position (Specify position of omitted pin) |

| LEAD STYLE | A              | B              | C              |
|------------|----------------|----------------|----------------|
| -01        |                | (3.20)<br>.126 | (3.50)<br>.138 |
| -02        | (8.20)<br>.323 | (3.70)<br>.146 | (3.00)<br>.118 |
| -03        | (4.00)<br>.158 | (2.70)<br>.106 |                |
| -04        | (5.69)<br>.224 | (1.91)<br>.075 | (2.29)<br>.090 |
| -05        | (5.43)<br>.214 | (1.65)<br>.065 |                |
| -06        | (9.58)<br>.377 | (3.20)<br>.126 | (4.88)<br>.192 |

| OPTION | D              |
|--------|----------------|
| -RA    | (1.27)<br>.050 |
| -RE    | (3.56)<br>.140 |

Due to technical progress, all designs, specifications and components are subject to change without notice.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.