



(2.00 mm) .0787"



TMM-110-01-S-D-SM



TMM SERIES

# LOW-PROFILE SMT HEADER

## SPECIFICATIONS

For complete specifications and recommended PCB layouts 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:**  
3.2 A per pin  
(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

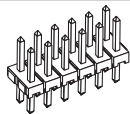
**RoHS Compliant:**  
Yes

**Board Mates:**  
CLT, SQT, SQW, ESQT,  
TLE, SMM, MMS

**Cable Mates:**  
TCSD

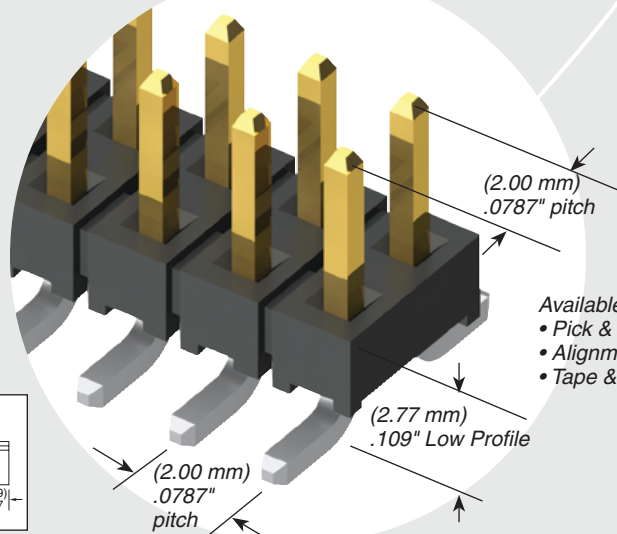
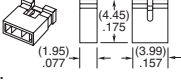
## OTHER SOLUTIONS

**Through-hole**



### 2 mm Shunt

Specify  
**2SN-BK-G**  
for 2 mm  
shunt with  
Gold plating.



Available with optional  
• Pick & place pads  
• Alignment pins  
• Tape & reel packaging

## PROCESSING

**Lead-Free Solderable:**

Yes  
**SMT Lead Coplanarity:**  
(0.15 mm) .006" max\*  
\*(.004" stencil solution  
may be available; contact  
IPG@samtec.com)

## RECOGNITIONS

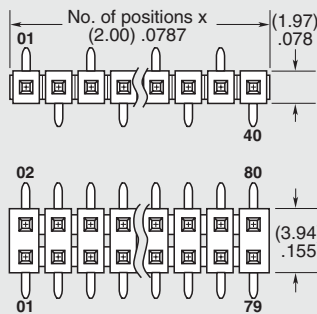
For complete scope  
of recognitions see  
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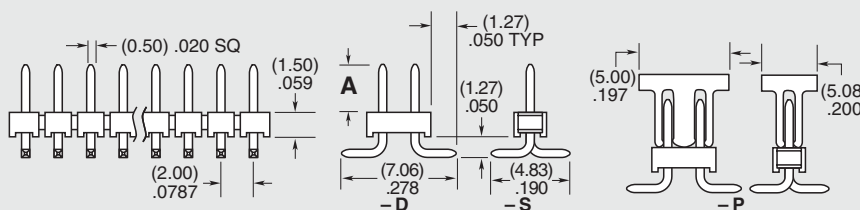
## ALSO AVAILABLE (MOQ Required)

- Other platings

|            |          |                         |                                      |   |   |   |                     |
|------------|----------|-------------------------|--------------------------------------|---|---|---|---------------------|
| <b>TMM</b> | <b>1</b> | <b>NO. PINS PER ROW</b> | <b>LEAD STYLE</b>                    | <b>PLATING OPTION</b>   | <b>ROW OPTION</b>   | <b>SM</b>   | <b>OTHER OPTION</b> |
|            |          | <b>02 thru 40</b>       | Specify LEAD STYLE from chart below. | <p><b>-F</b><br/>= Gold flash on post, Matte Tin on tail</p> <p><b>-L</b><br/>= 10 μm (0.25 μm) Gold on post, Matte Tin on tail</p> <p><b>-S</b><br/>= 30 μm (0.76 μm) Gold on post, Matte Tin on tail</p> <p><b>-T</b><br/>= Matte Tin</p> | <p><b>-S</b><br/>= Single Row</p> <p><b>-D</b><br/>= Double Row</p> | <p><b>-A</b><br/>= Alignment Pin (Metal or plastic at Samtec's discretion) (5 positions minimum) (-D only)</p> <p><b>-XXX</b><br/>= Polarized Position (Specify position of omitted pin)</p> <p><b>-P</b><br/>= Pick &amp; Place Pad (3 positions minimum)</p> <p><b>-TR</b><br/>= Tape &amp; Reel Packaging (3 thru 36 positions only)</p> |                     |



| LEAD STYLE | A           | MATES WITH                          |
|------------|-------------|-------------------------------------|
| -01        | (3.20) .126 | SQT, SQW, ESQT, TLE, SMM, MMS, TCSD |
| -04        | (1.91) .075 | CLT                                 |
| -05        | (1.65) .065 |                                     |
| -06        | (4.27) .168 | CLT-BE                              |



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.

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

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