**SMT & THROUGH-HOLE HEADER**

**SPECIFICATIONS**
For complete specifications and recommended PCB layouts see www.samtec.com/TFM or www.samtec.com/TFML

- **Insulator Material:** Black Liquid Crystal Polymer
- **Terminal Material:** Phosphor Bronze
- **Plating:** Au or Sn over 50µ" (1.27 µm) Ni
- **Current Rating (TFM/SFM):** 3.2 A per pin (1 pin powered per row)
- **Voltage Rating:** 250 VAC mated with SFM
- **Operating Temp Range:** -55°C to +125°C
- **RoHS Compliant:** Yes
- **Processing:** Lead-Free Solderable: Yes
- **SMT Lead Coplanarity:** (0.10 mm) .004" max (05-25) (0.15 mm) .006" max (30-50)

**RECOGNITIONS**
For complete scope of recognitions see www.samtec.com/quality

**APPLICATIONS**

**TYPE STRIP**

- **TFM** = Standard
- **TFML** = Locking

**NO. PINS PER ROW**

**LEAD STYLE**

- **PLATING OPTION**
- **–L** = 15µ" (0.38 µm) Gold on post, Matte Tin on tail
  (Call Samtec for E.L.P.™ plating option)

**MATED HEIGHT**

<table>
<thead>
<tr>
<th>LEAD STYLE</th>
<th>MATED HEIGHT*</th>
</tr>
</thead>
<tbody>
<tr>
<td>TFM –02</td>
<td>(6.35) .250</td>
</tr>
<tr>
<td>TFM –12</td>
<td>(8.13) .320</td>
</tr>
<tr>
<td>TFM –22</td>
<td>(9.91) .390</td>
</tr>
<tr>
<td>TFM –32</td>
<td>(11.81) .465</td>
</tr>
<tr>
<td>TFM –01</td>
<td>(5.59) .235</td>
</tr>
<tr>
<td>TFM –03</td>
<td>(5.59) .235</td>
</tr>
<tr>
<td>TFM –11</td>
<td>(7.75) .365</td>
</tr>
<tr>
<td>TFM –13</td>
<td>(7.75) .365</td>
</tr>
<tr>
<td>TFM –21</td>
<td>(9.53) .375</td>
</tr>
<tr>
<td>TFM –23</td>
<td>(9.53) .375</td>
</tr>
<tr>
<td>TFM –31</td>
<td>(11.43) .450</td>
</tr>
</tbody>
</table>

**OTHER SOLUTIONS**
- **Lower cost plating options. See TFC Series.**

**Note:** Some sizes, styles and options are non-standard, non-returnable.
TFM, TFML SERIES

TFML–150–01–L–D–LC
TFM–125–01–L–D–WT
TFM–110–02–L–DH

Shrouded body for blind mating
Surface mount or Through-hole tails
Screw down option
Mates with SFM for coplanar mating
Weld tab option

**TFM, TFML SERIES**

- **TFM–110–02–L–DS**
- **TFM–105–01–L–D–RA**
- **TFM–125–01–L–D–WT**
- **TFM–110–02–L–DH**

**ROW OPTION**

- **–S**  = Single Row (TFM only)
- **–D**  = Double Row
- **–DH** = Double Horizontal (TFM lead style –02 only) (05 thru 50 positions only) (–TR option only available)

**OPTION**

- **–RA** = Right Angle (Lead style –01 only)
- **–RE1** = Right Angle Elevated for (1,58 mm) .062" PCB (Requires TFM lead style –01, –D row and –WT)
- **–RE2** = Right Angle Elevated for (2,36 mm) .093" PCB (Requires TFM lead style –01, –D row and –WT)

SMT lead styles only
Specify only –A, –LC, –DS or –WT Not available with –RA, –RE1 and –RE2 unless otherwise noted.

- **–A** = Alignment Pin
- **–LC** = Locking Clip (Manual Placement required)
- **–DS** = Dual Screw Down for (1,60 mm) .062" PCB (05, 07, 10, 15, 20, 25, 30, 35, 40 positions only) (TFM lead styles –01 and –02 only) (Requires –D row option) (Mates with SFM–DS option and SFSD/SFSDT –SS and –DS option only) (Not available with –A, –LC, –WT, –K, –P, –TR)
- **–WT** = Weld Tab (TFM lead styles –01 and –02 only) (Required callout for –RE1 & –RE2) (Mates to SFSS/SFSD –SR and –DR option only) (05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50 positions only)

Specify only –K or –P

- **–K** = Polyimide Film Pick & Place Pad
- **–P** = Plastic Pick & Place Pad (5 positions minimum) (Not available with 5 position with –WT)

Specify –TR last

- **–TR** = Tape & Reel (Not available with –DS)

**ALSO AVAILABLE**

(MOQ Required)

- Solder nail option
- Other sizes
- Other platings
Contact Samtec.

WWW.SAMTEC.COM

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