### SMT MICRO HEADER & SOCKET

**FTR**

- **Mates:** RSM, SMS, SLM

**RSM**

- **Mates:** FTR, HTMS, HDWM, DWM, TML, ZML, TMS

#### FTR - 1

<table>
<thead>
<tr>
<th>NO. PINS PER ROW</th>
<th>LEAD STYLE</th>
<th>PLATING OPTION</th>
<th>ROW OPTION</th>
<th>OPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>02 thru 40</td>
<td>Specify LEAD STYLE from chart</td>
<td>–L = 10 µ&quot; (0.25 µm) Gold on post, Matte Tin on tail</td>
<td>–S = Single Row</td>
<td>–”XX” = Polarized</td>
</tr>
<tr>
<td></td>
<td></td>
<td>–G = 10 µ&quot; (0.25 µm) Gold on post, Gold flash on tail</td>
<td>–D = Double Row</td>
<td>(Not available with -LC)</td>
</tr>
</tbody>
</table>

#### RSM - 1

<table>
<thead>
<tr>
<th>NO. PINS PER ROW</th>
<th>PLATING OPTION</th>
<th>ROW OPTION</th>
<th>OPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>02 thru 36</td>
<td>–L = 10 µ&quot; (0.25 µm) Gold on contact, Matte Tin on tail</td>
<td>–S = Single Row</td>
<td>–K = (6.25 mm) .246&quot; DIA Polyimide film Pick &amp; Place Pad (5 positions minimum for –D) (7 positions minimum for –S)</td>
</tr>
<tr>
<td></td>
<td>–G = 10 µ&quot; (0.25 µm) Gold on post, Gold flash on tail</td>
<td>–D = Double Row</td>
<td>–P = Plastic Pick &amp; Place Pad (5 positions minimum for –D) (6 positions minimum for –S)</td>
</tr>
</tbody>
</table>

#### Specifications

- **Insulator Material:** Black Liquid Crystal Polymer
- **Contact Material:**
  - RSM: Phosphor Bronze
  - FTR: Phosphor Bronze
- **Plating:**
  - FTR: Au or Sn over 50 µ" (1.27 µm) Ni
  - RSM: Gold on post, Matte Tin on tail
- **Operating Temp Range:**
  - FTR: -55 °C to +105 °C with Tin; -55 °C to +125 °C with Gold
  - RSM: -55 °C to +125 °C
- **Current Rating (FTR/RSM):**
  - FTR: 3.8 A per pin (2 pins powered)
  - RSM: (0.46 mm) .018" SQ
- **Voltage Rating:** 290 VAC
- **Lead Size Accepted:**
  - RSM: (0.46 mm) .018" SQ
  - FTR: (0.38 mm) .015" wipe, or pass-through.
- **Insertion Depth:**
  - RSM: Top Entry = (2.64 mm) .104" to (5.84 mm) .230" (5.49 mm) .216" minimum (Add board thickness for correct post OAL)
  - RSM: Bottom Entry = (2.64 mm) .104" to (5.84 mm) .230" (5.49 mm) .216" minimum (Add board thickness for correct post OAL)
- **Lead-Free Solderable:** Yes
- **SMT Micro Plannarity:**
  - FTR: 0.10 mm, .004" max (02-20)
  - RSM: 0.08 mm, .003" max (02-20)
- **Processing:**
  - Lead-Free Solderable: Yes
  - SMT Micro Plannarity:
    - FTR: 0.10 mm, .004" max (02-20)
    - RSM: 0.08 mm, .003" max (02-20)

#### Also Available

- **MOQ Required:**
  - K = Locking Clip (5 positions minimum for –D) (6 positions minimum for –S) (Manual placement required)
  - P = Plastic Pick & Place Pad (5 positions minimum for –D) (6 positions minimum for –S)
  - TR = Tape & Reel (4 positions minimum for –S)
  - FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)

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**Note:**

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

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samtec.com/FTR or samtec.com/RSM

*Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.*