SMT MICRO HEADER

SPECIFICATIONS
For complete specifications and recommended PCB layouts see www.samtec.com/FTSH

Insulator Material: Black Liquid Crystal Polymer
Terminal Material: Phosphor Bronze
Plating: Sn or Au over 50 μ (1.27 μm) Ni
Current Rating (FTSH/CLP): 3.4 A per pin (2 pins powered)
Operating Temp Range: -55 °C to +125 °C
RoHS Compliant: Yes

PROCESSING
Lead-Free Solderable: Yes
SMT Lead Coplanarity:
–MT & –DV Tail Option: (0.10 mm) .004“ max (02-25)
–MT & –DH Tail Option: (0.15 mm) .006“ max (26-50)*
* .004“ stencil solution may be available; contact IPG@samtec.com

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

also available
(MOQ Required)
• Molded Pick & Place pads
• Latches
• Other platings

Board Mates: CLP, FLE
Cable Mates: FFSD, FFTP

APPLICATIONS

OPTIONS

FTSH

<table>
<thead>
<tr>
<th>LEAD STYLE</th>
<th>NO. PINS PER ROW</th>
</tr>
</thead>
<tbody>
<tr>
<td>–01</td>
<td>(3.05 mm) .120“ Post (Mates with FFSD, CLP–DH)</td>
</tr>
<tr>
<td>–02</td>
<td>(1.91 mm) .075“ Post (Mates with FLE)</td>
</tr>
<tr>
<td>–03</td>
<td>(1.65 mm) .065“ Post (Mates with CLP–D)</td>
</tr>
<tr>
<td>–04</td>
<td>(3.81 mm) .150“ Post</td>
</tr>
<tr>
<td>–05</td>
<td>(4.32 mm) .170“ Post (Mates with CLP–BE)</td>
</tr>
</tbody>
</table>

OTHER SOLUTIONS
Ultra-low profile option available.
End Shrouds available.
Call for FTS Series specifications.

FOR COMPLETE SPECIFICATIONS AND RECOMMENDED PCB LAYOUTS SEE WWW.SAMTEC.COM/FTSH

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Terminal Material: Phosphor Bronze
Plating: Sn or Au over 50 μ (1.27 μm) Ni
Current Rating (FTSH/CLP): 3.4 A per pin (2 pins powered)
Operating Temp Range: -55 °C to +125 °C
RoHS Compliant: Yes

Notes:
Some sizes, styles and options are non-standard, non-returnable.

See SFM/TFM for positive alignment feature.
FTSH SERIES

Optional end shrouds and ejector shrouds

Surface mount (1.27 mm) .050” micro pitch

FTSH–117–02–L–DV
FTSH–113–02–L–DH–C
FTSH–110–04–F–DV

PLATING OPTION

- F = Gold flash on post, Matte Tin on tail
- L = 10 µ” (0.25 µm) Gold on post, Matte Tin on tail

TAIL OPTION

- DV = Double Vertical
- DH = Double Horizontal (Styles –01, –02 & –04 only)
- MT = Mixed Technology (Styles –01, –02 & –04 only)

OPTION

Leave Blank for –DH & –MT

“XXX” = Polarized Position (Specify position of omitted pin) (Not available with –EX options)

FLEX SHROUD OPTIONS

(Style –02 & –03 only, –DH & –MT not available)

- ES = End Shroud
- EC = End Shroud with Locking Clip (Manual placement required)
- EP = End Shroud with Guide Post
- EL = End Shroud with Board Lock (Boards are positively locked and cannot be unmated)
- –EJ = Ejector Shroud (Style –01 only)

Other options available. Call Samtec.

OTHER OPTIONS

- K = Keying Shroud (For mating with FFSD Style –01 only and 05, 08, 10, 13, 17, 20 & 25 pins/row only. 13, 17, 20 & 25 pins/row only with –EJ option) (–DV only)
- A = Alignment Pin (–DV 3 positions min.) (–DH 5 positions min.) (Metal or plastic at Samtec discretion)
- C = (5.00 mm) .197” DIA Polyimide film Pick & Place Pad (–DV only)
- –P = Pick & Place Pad (–DV 4 positions min.) (–DH & –MT not available)
- TR = Tape & Reel Packaging (Flex Shroud options not available except –ES & –EJ)

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

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.