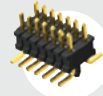




**THE DATASHEET OF  
FTR-103-02-S-D-03-TR**



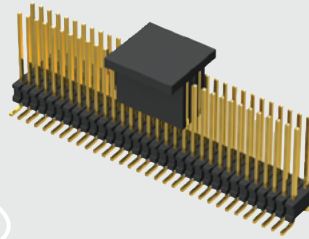
FTR-107-02-G-D-A



FTR-110-52-G-S



FTR-132-52-G-D-P



**FTR SERIES**

(1.27 mm) .050"

# SMT MICRO HEADER

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?FTR](http://www.samtec.com?FTR)

**Insulator Material:**  
Black Liquid Crystal Polymer

**Terminal Material:**  
Phosphor Bronze

**Plating:**

Au or Sn over

50 μm (1.27 μm) Ni

**Current Rating (FTR/RSM):**

3.1 A per pin

(2 pins powered)

**Operating Temp Range:**

-55 °C to +105 °C with Tin;

-55 °C to +125 °C with Gold

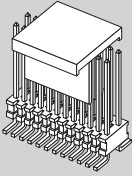
**RoHS Compliant:**

Yes

Mates with:  
RSM, SMS, SLM

## OPTIONS

-P OPTION



Single and double row

Micro pitch  
(1.27 mm) .050"

(2.54 mm) .100"

Surface mount

Available with optional pick & place pad

## PROCESSING

**Lead-Free Solderable:**

Yes

**SMT Lead Coplanarity:**

(0.10 mm) .004" max (02-20)

(0.15 mm) .006" max (21-40)\*

\*(.004" stencil solution may be available; contact

IPG@samtec.com)

## 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 sizes, styles and options are non-standard, non-returnable.

<b>FTR</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>LEAD STYLE</b>	<b>PLATING OPTION</b>	<b>ROW OPTION</b>	<b>OPTION</b>																					
02 thru 40			Specify LEAD STYLE from chart	<p><b>-L</b> = 10 μm (0.25 μm) Gold on post, Matte Tin on tail</p> <p><b>-G</b> = 10 μm (0.25 μm) Gold on post, Gold flash on tail</p>	<p><b>-S</b> = Single Row</p> <p><b>-D</b> = Double Row</p>	<p><b>- "XX"</b> = Polarized</p> <p><b>-A</b> = Alignment Pin (5 positions minimum -D only) (Metal or plastic at Samtec discretion) (N/A with -LC)</p> <p><b>-LC</b> = Locking Clip (6 positions minimum -D only) (N/A with -A) (Manual placement required)</p> <p><b>-P</b> = Plastic Pick &amp; Place Pad (-D = 5 positions minimum) (-S = 8 positions minimum)</p> <p><b>-TR</b> = Tape &amp; Reel (-S = 4 positions minimum)</p>																					
				<table border="1"> <thead> <tr> <th>LEAD STYLE</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>-01</td> <td>(5.84) .230</td> </tr> <tr> <td>-02</td> <td>(2.54) .100</td> </tr> <tr> <td>-03</td> <td>(3.18) .125</td> </tr> <tr> <td>-51</td> <td>(4.83) .190</td> </tr> <tr> <td>-52</td> <td>(5.21) .205</td> </tr> <tr> <td>-53</td> <td>(7.24) .285</td> </tr> <tr> <td>-54</td> <td>(8.51) .335</td> </tr> <tr> <td>-55</td> <td>(9.91) .390</td> </tr> <tr> <td>-56</td> <td>(10.29) .405</td> </tr> <tr> <td>-57</td> <td>(10.92) .430</td> </tr> </tbody> </table>	LEAD STYLE	B	-01	(5.84) .230	-02	(2.54) .100	-03	(3.18) .125	-51	(4.83) .190	-52	(5.21) .205	-53	(7.24) .285	-54	(8.51) .335	-55	(9.91) .390	-56	(10.29) .405	-57	(10.92) .430	
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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.

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View FTR-103-02-S-D-03-TR on WIN SOURCE](#)
-  [Samtec Inc. Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

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