

(1.27 mm) .050"

SMT MICRO HEADER

SPECIFICATIONS

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

Insulator Material:

Black Liquid Crystal Polymer

Terminal Material:

Phosphor Bronze

Plating:

Au or Sn over

50 μ " (1.27 μ m) Ni

Current Rating (FTR/RSM):

3.1 A per pin

(1 pin powered per row)

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

(2.54 mm) .100"

Surface mount

Micro pitch (1.27 mm) .050"

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)

RECOGNITIONS

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



ALSO AVAILABLE (MOQ Required)

- Other platings
- Contact Samtec.

FTR	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	OPTION																						
02 thru 40			Specify LEAD STYLE from chart	-L = 10 μ" (0.25 μm) Gold on post, Matte Tin on tail -G = 10 μ" (0.25 μm) Gold on post, Gold flash on tail	-S = Single Row -D = Double Row	-“XX” = Polarized -A = Alignment Pin (5 positions minimum -D only) (Metal or plastic at Samtec discretion) (N/A with -LC) -LC = Locking Clip (6 positions minimum -D only) (N/A with -A) (Manual placement required) -P = Plastic Pick & Place Pad (-D = 5 positions minimum) (-S = 8 positions minimum) -TR = Tape & Reel (-S = 4 positions minimum)																						
			-P OPTION	<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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Note: Some sizes, styles and options are non-standard, non-returnable.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Samtec:](#)

[FTR-113-02-L-S](#) [FTR-103-54-L-S](#) [FTR-102-54-L-S](#) [FTR-118-57-G-S](#) [FTR-108-53-G-D](#)