

(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  $\mu$ " (1.27  $\mu$ 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](http://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 | <b>-L</b><br>= 10 $\mu$ " (0.25 $\mu$ m)<br>Gold on post, Matte Tin on tail<br><br><b>-G</b><br>= 10 $\mu$ " (0.25 $\mu$ m)<br>Gold on post, Gold flash on tail | <b>-S</b><br>= Single Row<br><br><b>-D</b><br>= Double Row | <b>- "XX"</b><br>= Polarized<br><br><b>-A</b><br>= Alignment Pin (5 positions minimum -D only) (Metal or plastic at Samtec discretion) (N/A with -LC)<br><br><b>-LC</b><br>= Locking Clip (6 positions minimum -D only) (N/A with -A) (Manual placement required)<br><br><b>-P</b><br>= Plastic Pick & Place Pad (-D = 5 positions minimum) (-S = 8 positions minimum)<br><br><b>-TR</b><br>= Tape & Reel (-S = 4 positions minimum) |

  

| 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 |

  

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