

(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

(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

(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)\*

\*(.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

| FTR        | 1 | NO. PINS PER ROW | LEAD STYLE                    | PLATING OPTION                                                                                                                                                                                                     | ROW OPTION                                                          | OPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------|---|------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 02 thru 40 |   |                  | Specify LEAD STYLE from chart | <p><b>-L</b><br/>= 10 <math>\mu</math>" (0.25 <math>\mu</math>m)<br/>Gold on post, Matte Tin on tail</p> <p><b>-G</b><br/>= 10 <math>\mu</math>" (0.25 <math>\mu</math>m)<br/>Gold on post, Gold flash on tail</p> | <p><b>-S</b><br/>= Single Row</p> <p><b>-D</b><br/>= Double Row</p> | <p><b>- "XX"</b><br/>= Polarized</p> <p><b>-A</b><br/>= Alignment Pin (5 positions minimum -D only) (Metal or plastic at Samtec discretion) (N/A with -LC)</p> <p><b>-LC</b><br/>= Locking Clip (6 positions minimum -D only) (N/A with -A) (Manual placement required)</p> <p><b>-P</b><br/>= Plastic Pick &amp; Place Pad (-D = 5 positions minimum) (-S = 8 positions minimum)</p> <p><b>-TR</b><br/>= Tape &amp; Reel (-S = 4 positions minimum)</p> |
|            |   |                  |                               |                                                                                                                                                                                                                    |                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|            |   |                  |                               |                                                                                                                                                                                                                    |                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|            |   |                  |                               |                                                                                                                                                                                                                    |                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

| 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.

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.