

(2,54mm) .100"

SMH SERIES

SMH-110-02-L-D

SMH-112-02-L-S

SMH-120-02-G-S

# SMT HORIZONTAL SOCKET

## SPECIFICATIONS

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

### Insulator Material:

Black LCP

### Contact Material:

Phosphor Bronze

### Plating:

Au or Sn over

50μ" (1,27μm) Ni

### Current Rating:

3A continuous

### Operating Temp Range:

-55°C to +125°C with Gold

-55°C to +105°C with Tin

### Contact Resistance:

10 mΩ max

### Insertion Depth:

(3,68mm) .145" to

(6,35mm) .250"

### Insertion Force:

(Single contact only)

6oz (1,67N) avg.

### Withdrawal Force:

(Single contact only)

5oz (1,39N) avg.

### Max Cycles:

100 with 10μ" (0,25μm) Au

### RoHS Compliant:

Yes

### Processing:

Lead-Free Solderable:

Yes

### SMT Lead Coplanarity:

(0,15mm) .006" max (02-24)

(0,20mm) .008" max (25-36)

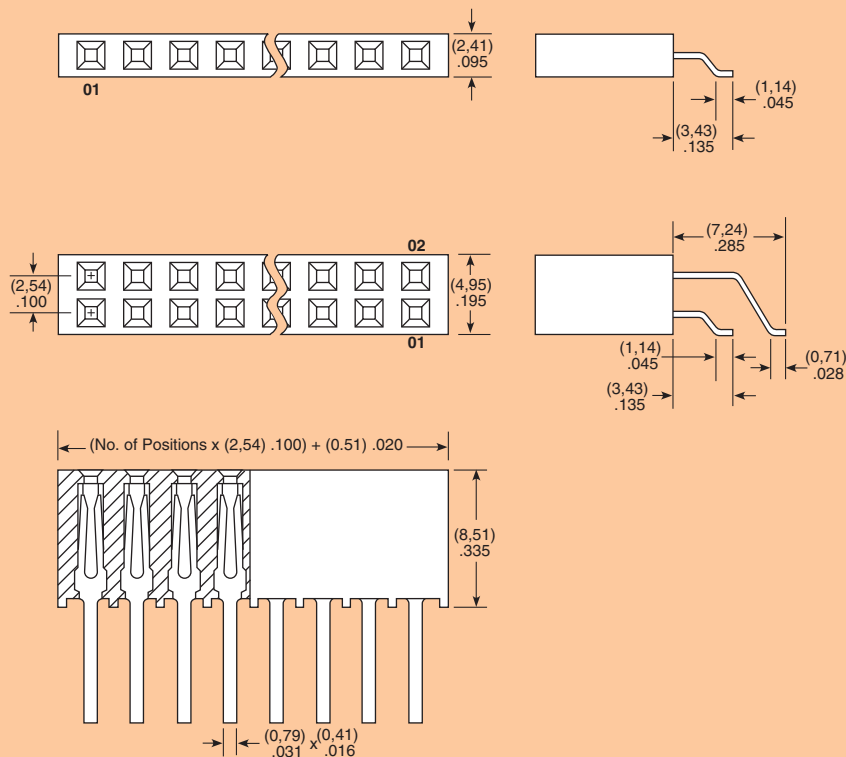


| SMH | 1 | NO. PINS PER ROW | 02 | PLATING OPTION   | ROW OPTION         | OTHER OPTION   |
|-----|---|------------------|----|--|--------------------|--|
|     |   |                  |    | -L<br>= 10μ" (0,25μm) Gold on contact,<br>Matte Tin on tail  | -S<br>= Single Row | -“XXX”<br>= Polarized Position                                 |
|     |   |                  |    | -G<br>= 20μ" (0,51μm) Gold on contact,<br>Gold flash on tail | -D<br>= Double Row | -TR<br>= Tape & Reel<br>Packaging<br>(02-29 positions<br>only) |
|     |   |                  |    | -T<br>Matte Tin  |                    |  |

**Mates With:**  
TSW, MTSW, MTLW,  
EW, ZW, TSS, ZSS, TSM



02 thru 36



### Important Note:

SMH mated to TSM-DH/-SH not coplanar, SSM-DH/-SH recommended for coplanar applications.

### Note:

Other Gold plating options available. Contact Samtec.

### Note:

Some lengths, styles and options are non-standard, non-returnable.

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

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