

(2,54 mm) .100"

SMH SERIES

# SMT HORIZONTAL SOCKET

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

## 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" (1,27 µm) Ni

**Operating Temp Range:**

-55°C to +125°C with Gold

-55°C to +105°C with Tin

**Contact Resistance:**

10 mΩ

**Insertion Depth:**

(3,68 mm) .145" to

(6,35 mm) .250"

**Insertion Force:**

(Single contact only)

6 oz (1,67 N) avg.

**Withdrawal Force:**

(Single contact only)

5 oz (1,39 N) avg.

**Max Cycles:**

100 with 10µ" (0,25 µm) Au

**RoHS Compliant:**

Yes

**Processing:**

**Lead-Free Solderable:**

Yes

**SMT Lead Coplanarity:**

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

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

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



## ALSO AVAILABLE (MOQ Required)

- Other platings
- Contact Samtec.

**Important Note:**

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

**Note:**

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

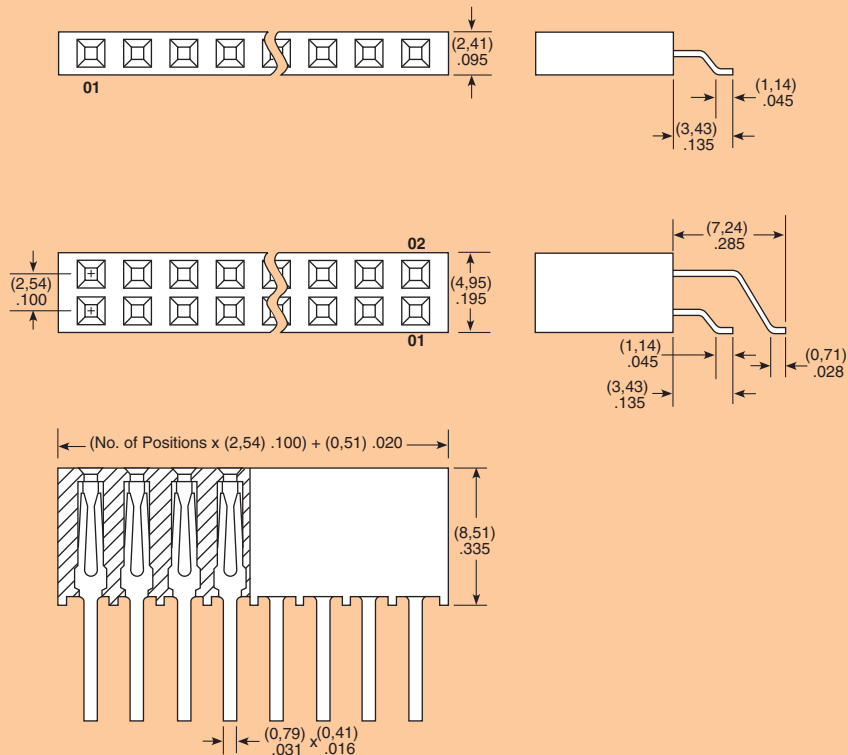
SMH	1	NO. PINS PER ROW	02	PLATING OPTION	ROW OPTION	OTHER OPTION
				-L = 10µ" (0,25 µm) Gold on contact, Matte Tin on tail	-S = Single Row	-“XX” = Polarized Position
				-G = 20µ" (0,51 µm) Gold on contact, Gold flash on tail	-D = Double Row	-TR = Tape & Reel Packaging (02-29 positions only)
				-T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

**TAPE & REEL AVAILABILITY**

No tooling charges.  
Minimum order is the lesser of a full reel quantity or 125 pieces.  
Order any quantity above minimum.  
In-house design, manufacture.  
Quick turn-around.  
Call Samtec for specifications and ordering information.



02 thru 36



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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)