



(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)



FILE NO. E111594 FILE NO. 090871\_0\_000

## 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		

**TIGER BUY CONTACT™**

**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

