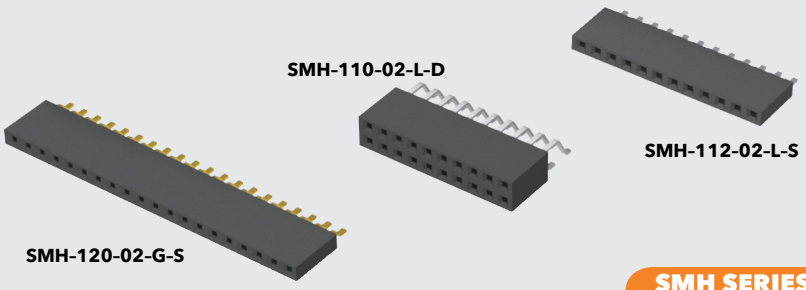
samtec



(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

Insulator Material:
Black LCP
Contact Material:
Phosphor Bronze
Plating:
Au or Sn over
50 µ" (1.27 µm) Ni
Operating Temp Range:
-55 °C to +125 °C with Gold
-55 °C to +105 °C with Tin
Current Rating:
4.7 A Per Pin (2 pins powered)
Voltage Rating:
465 VAC/658 VAC
Insertion Depth:
(3.68 mm) .145" to
(6.35 mm) .250"
Max Cycles:
100 with 10 µ" (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)*
*(.004" stencil solution may be available; contact ipg@samtec.com)

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality

FILE NO. E111594

ALSO AVAILABLE
Contact Samtec

- Other platings

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

PLATING OPTION

- **-L** = 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail
- **-G** = 20 µ" (0.51 µm) Gold on contact, Gold flash on tail
- **-T** = Matte Tin

ROW OPTION

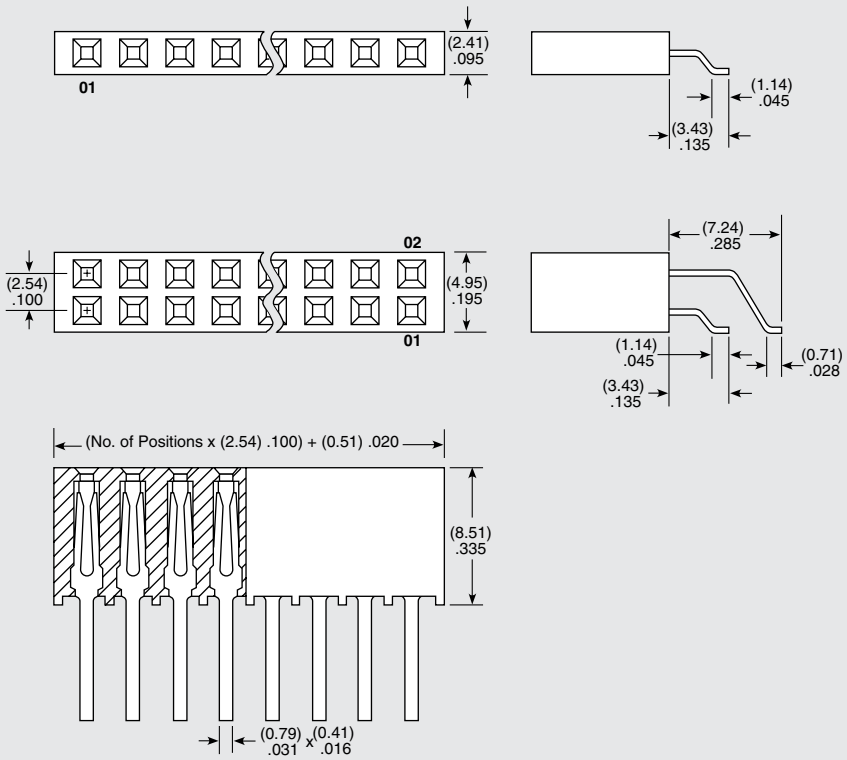
- **-S** = Single Row
- **-D** = Double Row

OTHER OPTION

- **-"XX"** = Polarized Position
- **-TR** = Tape & Reel Packaging (02-29 positions only)
- **-FR** = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (02-29 positions only)

TIGER BUY™ CONTACT

02 thru 36



Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.