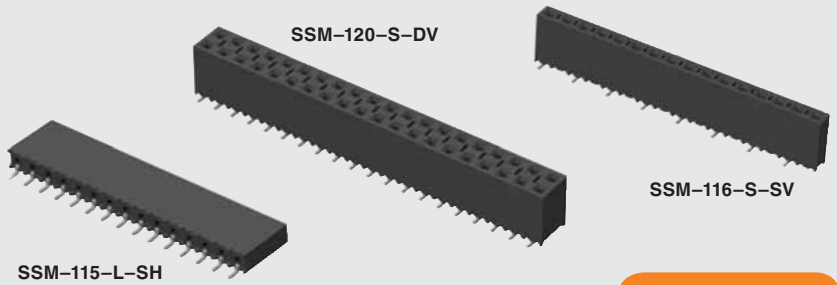




(2.54 mm) .100"



SSM SERIES

# TIGER CLAW™ SURFACE MOUNT SOCKET

**Mates with:**

TSW, MTSW, TST, TSS, ZST, ZSS, DW, EW, ZW, TSM, HMTSW, HTSW, TSSH, BST, HTSS, TLW, MTLW

**SPECIFICATIONS**

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

**Insulator Material:** Black Liquid Crystal Polymer  
**Contact Material:** Phosphor Bronze  
**Plating:** Au or Sn over 50µ" (1.27 µm) Ni  
**Current Rating (SSM/TSW):** 5.2 A per pin (1 pin powered per row)  
**Voltage Rating:** 405 VAC / 572 VDC  
**Operating Temp Range:** -55°C to +125°C with Gold -55°C to +105°C with Tin  
**Contact Resistance:** 10 mΩ  
**Insertion Depth:** SV/DV is (4.34 mm) .171" to (7.24 mm) .285" or pass-through from top; (5.56 mm) .219" plus board thickness minimum from bottom; SH/DH is (4.34 mm) .171" to (6.35 mm) .250"

**Insertion Force:** (Single contact only) 5 oz (1.39 N) average  
**Normal Force:** 125 grams (1.21 N) average  
**Withdrawal Force:** (Single contact only) 2 oz (0.56 N) average  
**RoHS Compliant:** Yes

**Processing:** Lead-Free Solderable: Yes

**-DH Coplanarity:** Less than 28 positions (0.15 mm) .006" max  
 More than 27 positions (0.20 mm) .008" max  
**-SH, -SV, -DV Coplanarity:** (0.15 mm) .006" max

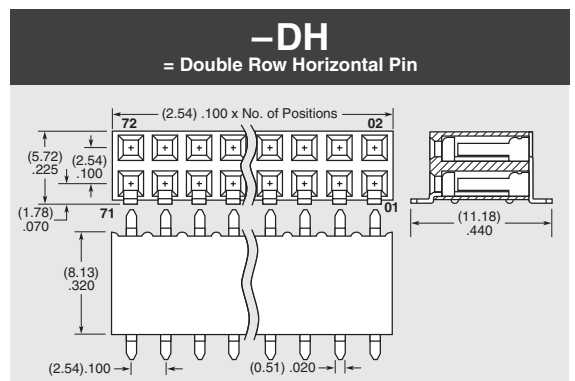
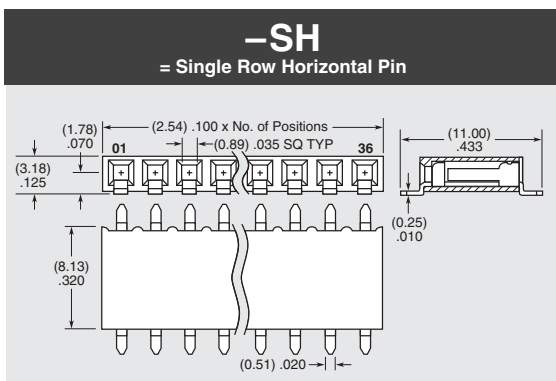
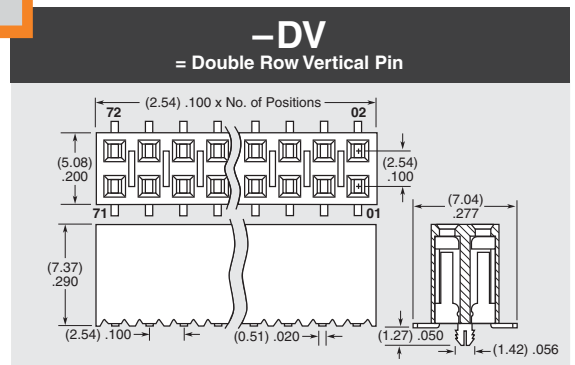
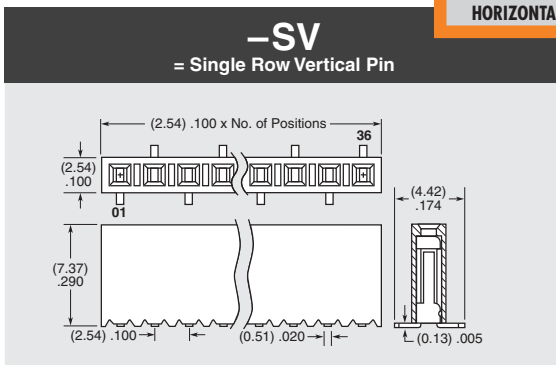
**RECOGNITIONS**

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



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

<b>SSM</b>	<b>1</b>	<b>NO. PINS PER ROW</b>	<b>PLATING OPTION</b>	<b>ROW OPTION</b>	<b>OTHER OPTION</b>
<b>02 thru 36</b> (-SV, -SH, -DH)		<b>02 thru 40</b> (-DV)	<b>-F</b> = Gold flash on contact, Matte Tin on tail	<b>-BE</b> = Bottom Entry (-DV & -SV only)  <b>-LC</b> = Locking Clip (-DV & -SV only) Contact Samtec for -DH & -SH  <b>-K</b> = (6.50 mm) .256" DIA Polyimide film Pick & Place Pad (2 positions min.) -DV & -SV only  <b>-“XXX”</b> = Polarized Position (-BE not available)  <b>-TR</b> = Tape & Reel Packaging (29 positions max.)	<b>-M</b> = Metal Pick & Place Pad (5 positions min.) -DV only  <b>-P</b> = Plastic Pick & Place Pad (-DV & -SV only) (6 pos. minimum, contact Samtec for availability on smaller positions)
<b>ALSO AVAILABLE</b> (MOQ Required)		<ul style="list-style-type: none"> <li>Alignment pin Contact Samtec.</li> </ul>	<b>APPLICATIONS</b> 		



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