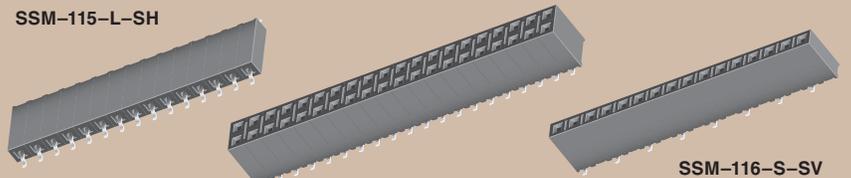




SSM-115-L-SH



SSM-120-S-DV

SSM-116-S-SV

Surface Mount **SMT**

# .025<sup>sq</sup> SMT SOCKET SSM SERIES

**Mates with:**  
TSW, MTSW, TST, TSS, ZST, ZSS, DW, EW, ZW, TSM

## 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, PdNi or Sn over 50µ" (1,27µm) Ni

**Current Rating:**  
3A @ 80°C ambient (-DV/-SV mated with TSM-DV)  
4A @ 80°C ambient (-DH/-SH mated with TSW-D)

**Voltage Rating:**  
475 VAC (-SV/-DV mated with TSW)  
450 VAC (-SH/-DH mated with TSM)

**Operating Temp Range:**  
-55°C to +125°C with Gold  
-55°C to +105°C with Tin

**Contact Resistance:** 10 mΩ max

**Insertion Depth:**  
SV/DV is (4,34mm) .171" to (7,24mm) .285" or pass-through from top; (5,56mm) .219" plus board thickness minimum from bottom; SH/DH is (4,34mm) .171" to (6,35mm) .250"

**Insertion Force:** (Single contact only)

5oz (1,39N) average

**Normal Force:**

125 grams (1,21N) average

**Withdrawal Force:** (Single contact only)

2oz (0,56N) average

**RoHS Compliant:**

Yes

**Processing:**

**Max Processing Temp:**

230°C for 60 seconds, or

260°C for 20 seconds 3x

**Lead-Free Solderable:**

Yes

**-DH Coplanarity:**

Less than 28 positions

(0,15mm) .006" max

More than 27 positions

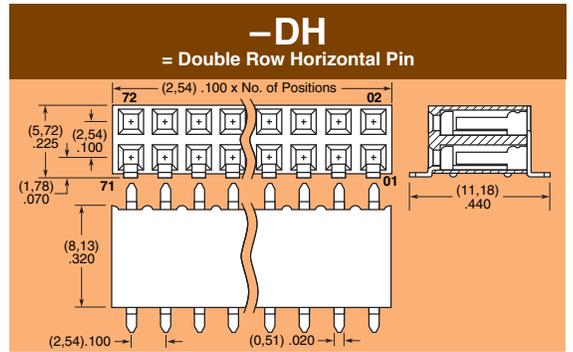
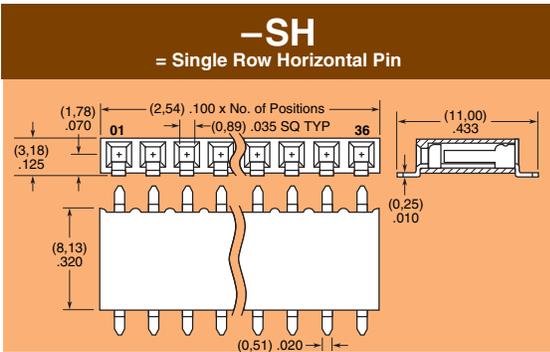
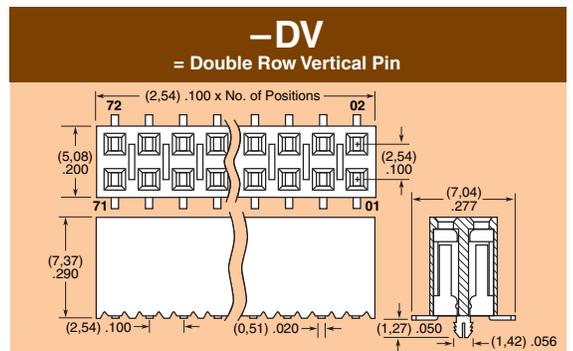
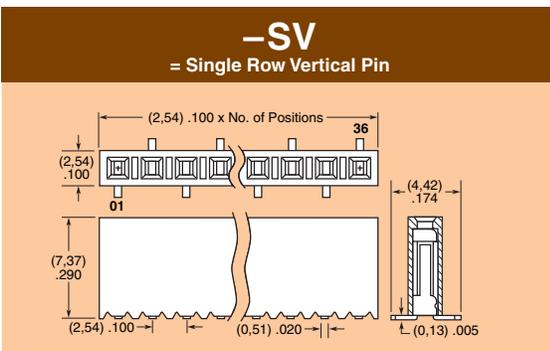
(0,20mm) .008" max

**-SH, -SV, -DV Coplanarity:**

(0,15mm) .006" max

**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>-L</b> = 10µ" (0,25µm) Gold on contact, Matte Tin on tail		<b>-BE</b> = Bottom Entry (-DV & -SV only)
<b>02 thru 40</b> (-DV)			<b>-S</b> = 30µ" (0,76µm) Gold on contact, Matte Tin on tail		<b>-M</b> = Metal Pick & Place Pad (5 positions min.) -DV only
<b>APPLICATION SPECIFIC OPTION</b>			<b>APPLICATION</b>		<b>-LC</b> = Locking Clip (-DV & -SV only) Contact Samtec for -DH & -SH
Alignment Pin available. Call Samtec.					<b>-K</b> = (6,50mm) .256" DIA Polyimide film Pick & Place Pad (5 positions min.) -DV & -SV only
<b>APPLICATIONS</b>					<b>-P</b> = Plastic Pick & Place Pad (-DV & -SV only) (6 pos. minimum, contact Samtec for availability on smaller positions)
					<b>-"XXX"</b> = Polarized Position (-BE not available)
<b>HORIZONTAL</b>					<b>-TR</b> = Tape & Reel Packaging (29 positions max.)



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

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