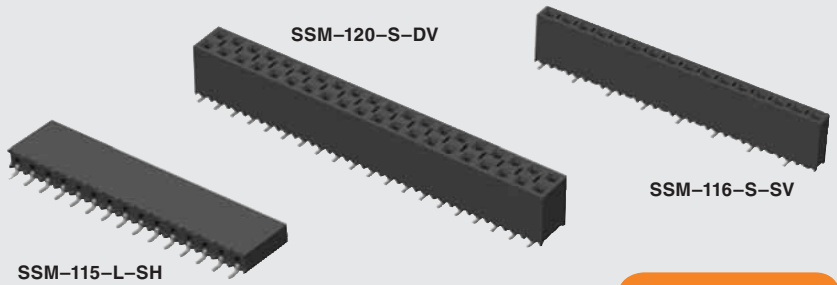




(2.54 mm) .100"



SSM SERIES

TIGER CLAW™ SURFACE MOUNT SOCKET

Mates with:

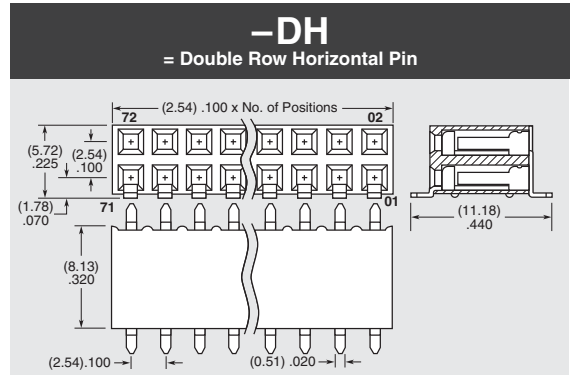
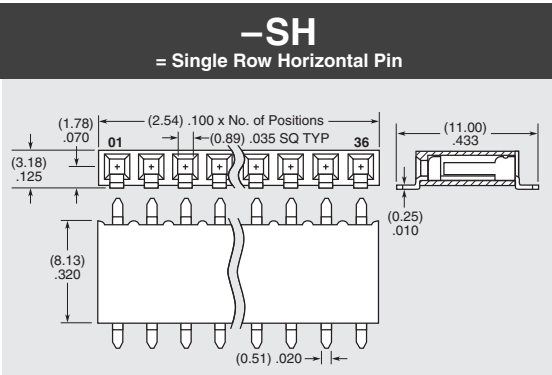
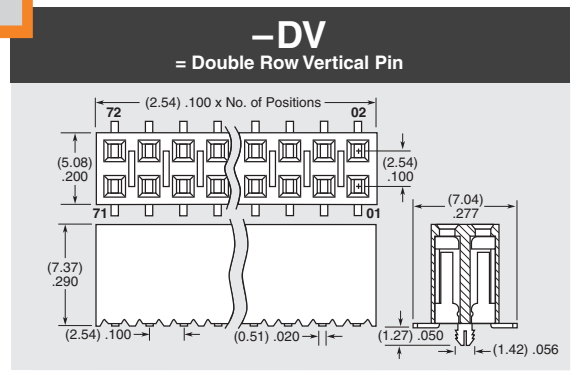
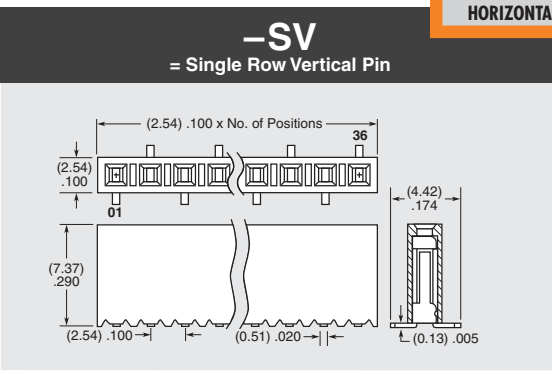
TSW, MTSW, TST, TSS, ZST, ZSS, DW, EW, ZW, TSM, HMTSW, HTSW, TSSH, BST, HTSS, TLW, MTLW

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?SSM

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

SSM	1	NO. PINS PER ROW	PLATING OPTION	ROW OPTION	OTHER OPTION
02 thru 36 (-SV, -SH, -DH)					-BE = Bottom Entry (-DV & -SV only)
02 thru 40 (-DV)					-M = Metal Pick & Place Pad (5 positions min.) -DV only
					-LC = Locking Clip (-DV & -SV only) Contact Samtec for -DH & -SH
					-F = Gold flash on contact, Matte Tin on tail
					-L = 10µ" (0.25 µm) Gold on contact, Matte Tin on tail
					-S = 30µ" (0.76 µm) Gold on contact, Matte Tin on tail
ALSO AVAILABLE (MOQ Required) <ul style="list-style-type: none"> Alignment pin Contact Samtec. 					-K = (6.50 mm) .256" DIA Polyimide film Pick & Place Pad (2 positions min.) -DV & -SV only
					-P = Plastic Pick & Place Pad (-DV & -SV only) (6 pos. minimum, contact Samtec for availability on smaller positions)
APPLICATIONS SSM TSSH HORIZONTAL					-“XXX” = Polarized Position (-BE not available)
					-TR = Tape & Reel Packaging (29 positions max.)



RECOGNITIONS

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



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