

(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 50 µ" (1.27 µm) Ni

Current Rating (SSM/TSW): 5.2 A per pin (2 pins powered)
Voltage Rating: 405 VAC / 572 VDC

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

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"

Normal Force: 125 grams (1.21 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*
 *(.004" stencil solution may be available; contact IPG@samtec.com)

RECOGNITIONS

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



ALSO AVAILABLE
(MOQ Required)

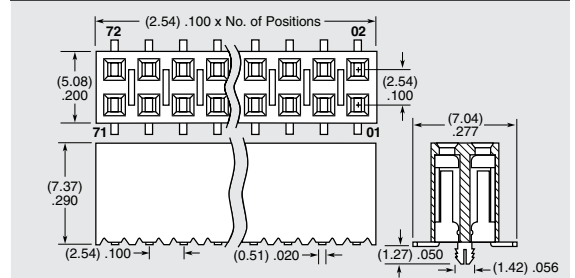
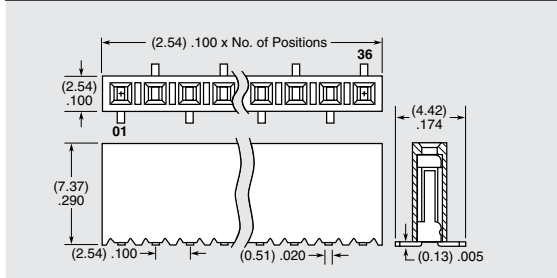
- Alignment pin

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

SSM	1 NO. PINS PER ROW	PLATING OPTION	ROW OPTION	OTHER OPTION
02 thru 36 (-SV, -SH, -DH)	02 thru 40 (-DV)	-F = Gold flash on contact, Matte Tin on tail	-L = 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail	-BE = Bottom Entry (-DV & -SV only)
		-S = 30 µ" (0.76 µm) Gold on contact, Matte Tin on tail	-K = (6.50 mm) .256" DIA Polyimide film Pick & Place Pad (2 positions min.) -DV & -SV only	-M = Metal Pick & Place Pad (5 positions min.) -DV only
		<p>HIGH-SPEED CHANNEL PERFORMANCE</p> <p>Rating based on Samtec reference channel. For full SI performance data visit Samtec.com or contact SIG@samtec.com</p>	<p>APPLICATIONS</p> <p>TSM SSM TSSH</p>	-P = Plastic Pick & Place Pad (-DV & -SV only) (6 positions min. Contact Samtec for availability on smaller positions)
			-"XXX" = Polarized Position (-BE not available)	
			-TR = Tape & Reel Packaging (29 positions max.)	

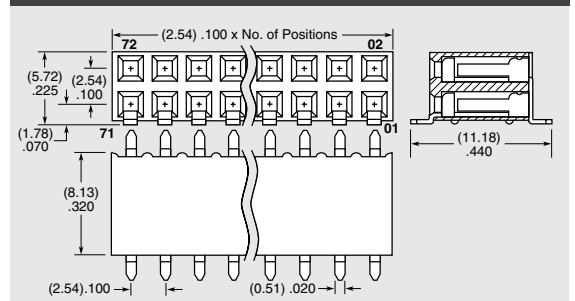
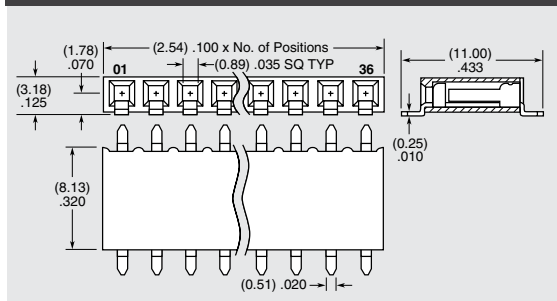
-SV = Single Row Vertical Pin

-DV = Double Row Vertical Pin



-SH = Single Row Horizontal Pin

-DH = Double Row Horizontal Pin



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

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All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

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