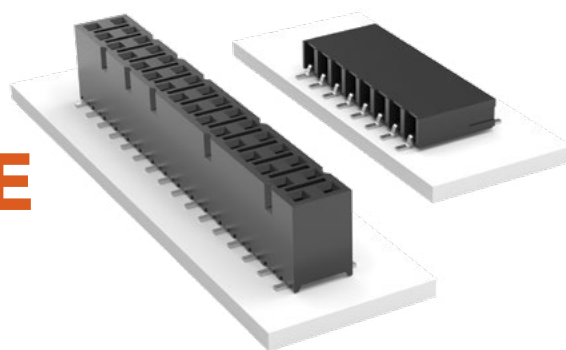


# TIGER CLAW<sup>TM</sup> SURFACE MOUNT SOCKET

(2.54 mm) .100" PITCH • SSM SERIES

8  
G b p s



## SSM

### Mates:

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

## SPECIFICATIONS

### Insulator Material:

Black Liquid Crystal Polymer

### Contact Material:

Phosphor Bronze

### Plating:

Au or Sn over  
50  $\mu$ " (1.27  $\mu$ m) 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 = (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 = (4.34 mm) .171" to  
(6.35 mm) .250"

### Normal Force:

125 grams (1.21 N) average

## 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)

## ALSO AVAILABLE

Alignment pin  
(MOQ Required)



### 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)	-F = Gold flash on contact, Matte Tin on tail	-SV = Single Row Vertical Pin	-“XXX” = Polarized Position (-BE not available)
		02 thru 40 (-DV)	-L = 10 $\mu$ " (0.25 $\mu$ m) Gold on contact, Matte Tin on tail	-DV = Double Row Vertical Pin	-BE = Bottom Entry (-DV & -SV only)
			-S = 30 $\mu$ " (0.76 $\mu$ m) Gold on contact, Matte Tin on tail	-SH = Single Row Horizontal Pin	-LC = Locking Clip (-DV & -SV only) Contact Samtec for -DH & -SH
				-DH = Double Row Horizontal Pin	-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 = Plastic Pick & Place Pad (-DV & -SV only) (6 positions min.) Contact Samtec for availability on smaller positions)
					-TR = Tape & Reel (29 positions max.)
					-FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (29 positions max.)

