

# TIGER CLAW™ SURFACE MOUNT SOCKET

## Mates with:

TSW, MTSW, TST,  
TSS, ZST, ZSS, DV,  
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

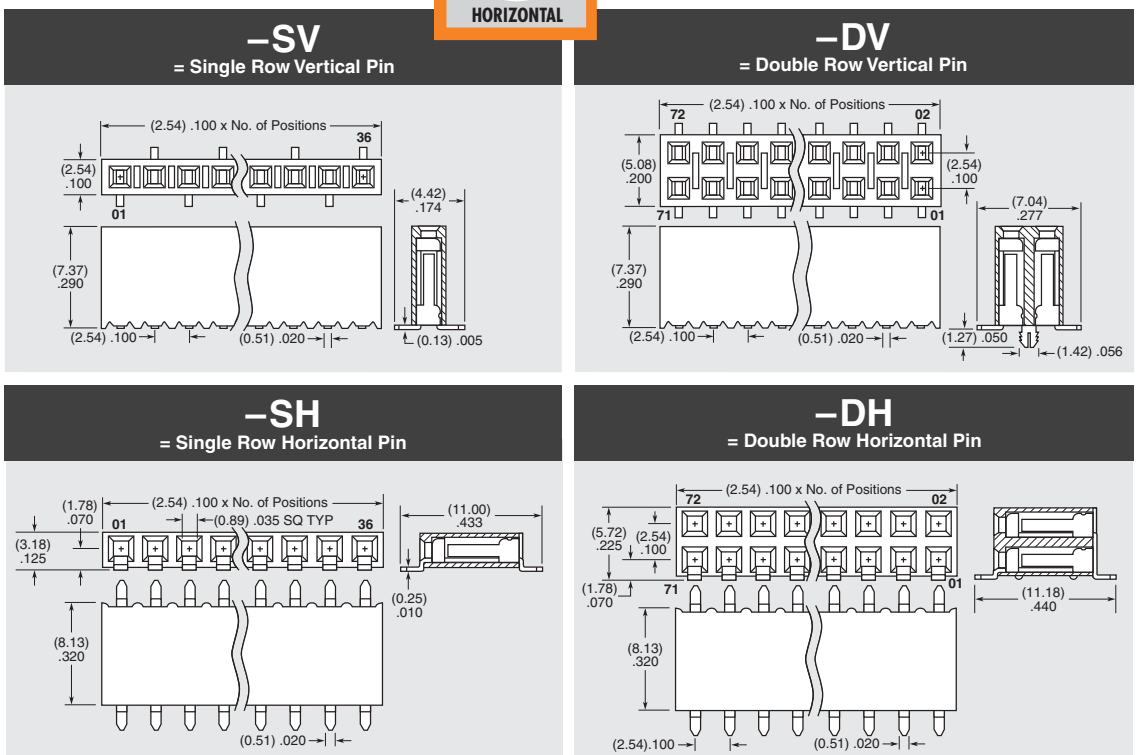
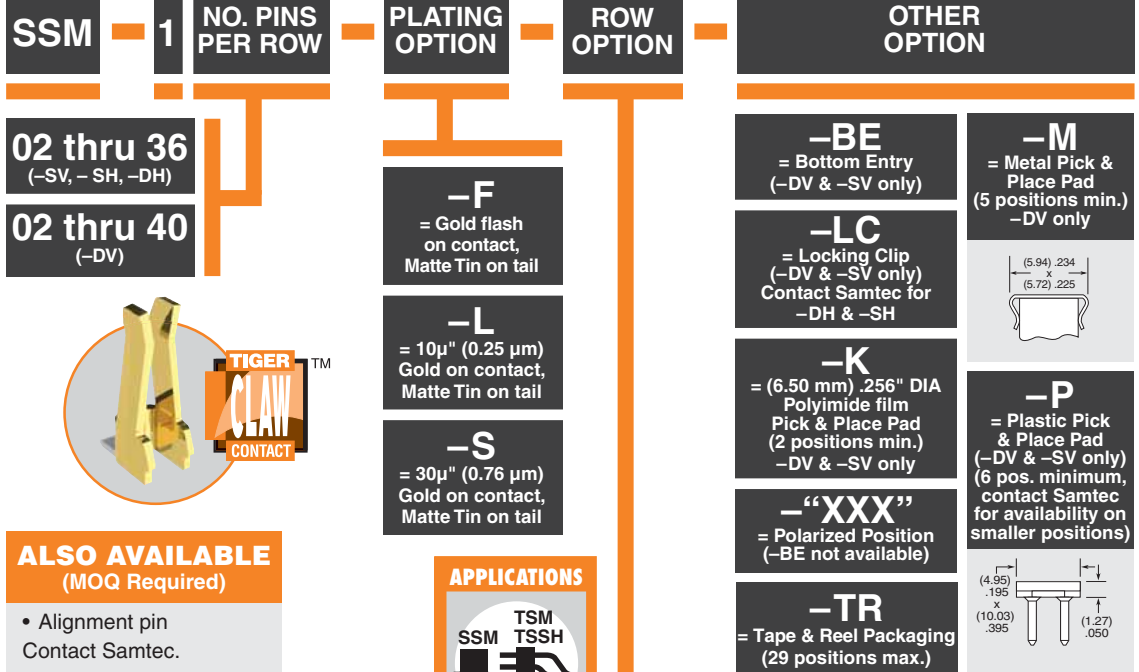
(0.15 mm) .006" max

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.