



**THE DATASHEET OF  
SSM-109-S-SV-BE-P-TR**



# TIGER CLAW™ SURFACE MOUNT SOCKET

(2.54 mm) .100" PITCH • SSM SERIES



## 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 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 = (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"

## 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

MOQ Required

Alignment pin



### Notes:



Severe Environment  
Testing qualified; aligns  
with MIL-DTL-55302.  
Visit samtec.com/set

Some sizes, styles and  
options are non-standard,  
non-returnable.



## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View SSM-109-S-SV-BE-P-TR on WIN SOURCE](#)
-  [Samtec Inc. Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
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-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management