TIGER CLAW™ SURFACE MOUNT SOCKET

(2.54 mm) .100" PITCH • SSM SERIES

SSM

Mates:
TSW, MTSW,
TST, T55, 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 10 µ" (0.25 µm) Ni
Current Rating (SSM/TSW):
5.2 A per pin
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 20 positions (0.15 mm) .006" max
More than 27 positions (0.20 mm) .008" max
-SH, -SV, -DV Coplanarity:
(0.15 mm) .006" max
*1,004" 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.

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec’s specifications which are subject to change without notice.