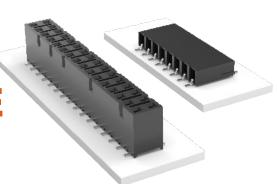


TIGER CLAW™ SURFACE **10UNT SOCKET**

(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:

Contact Material:
Phosphor Bronze
Plating:
Au or Sn over
50 µ" (1.27 µm) Ni
Operating Temp Range:
-55 °C to +125 °C with Gold
-55 °C to +105 °C with Tin Current Rating (SSM/TSW):

5.2 A per pin (2 pins powered)
Current Rating (SSM/TSM):

5.6 A per pin

5.6 A per pin (2 pins powered) Voltage Rating: 405 VAC/573 VDC 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: from bottom; SH/DH = (4.34 mm) .171" to (6.35 mm) .250"

PROCESSING

Lead-Free Solderable:

-DH Coplanarity:

-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 may be available; contact ipg@samtec.com)

ALSO AVAILABLE

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.





(2.54) .100 x No. of Positions

NO. PINS PER ROW

02 thru 36 (-SV, -SH, -DH)

02 thru 40 (-DV)

PLATING OPTION

-F = Gold flash on contact, Matte Tin on tail

 $= 10 \mu'' (0.25 \mu m)$ Gold on contact, Matte Tin on tail

ROW **OPTION**

-SV Single Row Vertical Pin

-DV = Double Row Vertical Pin

-SH = Single Row Horizontal Pin

-DH = Double Row Horizontal Pin

-"XXX"

Polarized Position (-BE not available)

OPTION

-BE

= Bottom Entry (-DV & -SV only)

-LC

= Locking Clip (-DV & -SV only) Contact Samtec for -DH & -SH

-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 & Reel der max. per reel; amtec for breaks) ons max.)

