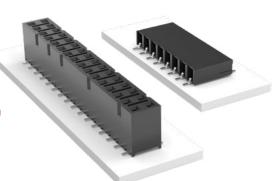


TIGER CLAW™ SURFACE **10UNT SOCKET**

(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:

Phosphor Bronze
Plating:
Au or Sn over
50 µ" (1.27 µm) Ni
Current Rating (SSM/TSW):

5.2 A per pin

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"

(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)



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



NO. PINS PER ROW

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

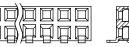
02 thru 40 (-DV)

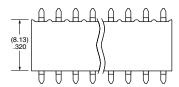
PLATING OPTION

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

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

-S = 30 μ" (0.76 μm) Gold on contact, Matte Tin on tail

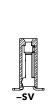


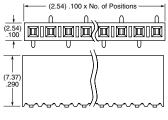


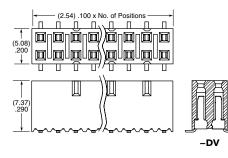
(2.54) .100 x No. of Positions

-SH









ROW OPTION

-SV Single Row Vertical Pin

-DV = Double Row Vertical Pin

-SH = Single Row Horizontal Pin

-DH = Double Row Horizontal Pin

OPTION

-"XXX"

Polarized Position (-BE not available)

-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 Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (29 positions max.)

