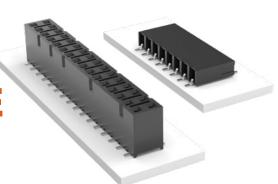


# TIGER CLAW™ SURFACE **10UNT SOCKET**

(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

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(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:

-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" et apocil solution

\*(.004" stencil solution may be available: contact ipg@samtec.com)

## ALSO AVAILABLE MOQ Required

Alignment pin



F-224

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

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

#### NO. PINS SSM 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

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

