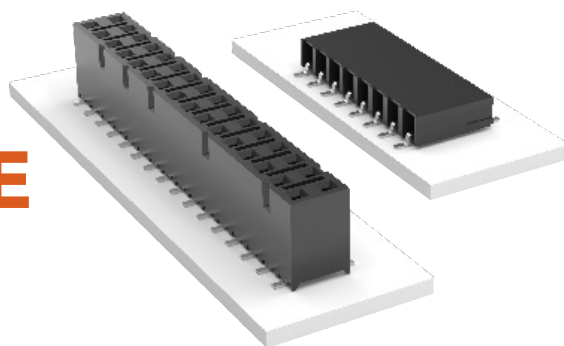




TIGER CLAW™ SURFACE MOUNT SOCKET

(2.54 mm) .100" PITCH • SSM SERIES

8
Gbps



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

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

(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;
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

Contact Samtec

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.

SSM	1	NO. PINS PER ROW	PLATING OPTION	ROW OPTION	OTHER OPTION
		02 thru 36 (-SV, -SH, -DH)	-F = Gold flash on contact, Matte Tin on tail	-SV = Single Row Vertical Pin	-“XXX” = Polarized Position (-BE not available)
		02 thru 40 (-DV)	-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail	-DV = Double Row Vertical Pin	-BE = Bottom Entry (-DV & -SV only)
				-SH = Single Row Horizontal Pin	-LC = Locking Clip (-DV & -SV only) Contact Samtec for -DH & -SH
				-DH = Double Row Horizontal Pin	-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.)

