

(2.00 mm) .0787"

# COST-EFFECTIVE RUGGED SOCKETS

NO. PINS

### **SPECIFICATIONS**

For complete specifications and recommended PCB layouts see www.samtec.com?SQW

Insulator Material:

Black Liquid Crystal Polymer Contact Material: Phosphor Bronze

Plating: Sn or Au over 50 µ" (1.27 µm) Ni Current Rating (SQW/TMMH): 3.8 A per pin (2 pins powered)

Voltage Rating: 281 VAC mated with TMM; 250 VAC mated with TMMH Operating Temp Range: -55 °C to +125 °C Insertion Depth:

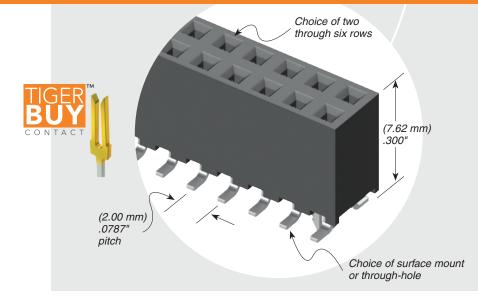
(2.62 mm) .103" to (5.03 mm) .198" with (0.38 mm) .015" wipe

Max Cycles: 100 with 10 μ" (0.25 μm) Au **RoHS Compliant:** 

#### **Board Mates:**

TMMH, TMM MTMM, MMT, TW, TSH, LTMM, PTT

Cable Mates: **TCMD** 



**PLATING** 

**ROW** 

OPTION

## **PROCESSING**

Lead-Free Solderable: Lead-Free Solderable: Yes, for -D & -D-VS (Wave only for -T, -Q, -5 & -6) SMT Lead Coplanarity: (0.10 mm) .004" max (02-10) (0.15 mm) .006" max (11-50)\* \*(.004" stencil solution may be available; contact IPG@samtec.com)

#### **RECOGNITIONS**

For complete scope of recognitions see www.samtec.com/quality



#### SQW **PER ROW OPTION OPTION** -D -"XXX" -F = Double = Polarized Position 02 thru 50 = Gold flash on contact, Row Matte Tin on tail -D-VS only options: -D-VS $-\mathsf{A}$ = Double = Alignment Pin = 10 μ" (0.25 μm) Gold on contact, Row (5 positions minimum) Surface Metal or plastic at Matte Tin on tail Mount Samtec discretion. No. of positions x (2.00) .0787 + (0.30) .012 (N/A with -LC) \_Т 300 06 = Triple -LC Row = Locking Clip .0787 TYP rows (5 positions minimum) x (2.00) –Q (N/A with -A) (Manual placement .078Ź = Four required) Row **-5** = (4.25 mm) .167" DIA = Five (6.35)(1.27)Polyimide Film .250 .050 Row Pick & Place Pad (4 positions minimum) LL -6 (4.74) (0.38)**-P** = Pick & Place Pad (0.25) .010 TYP = Six ←(0.51) .020 .0787 .015 (2.29) .187 Row .090 -D, -T, -Q, -5, -6 -D-VS (4 positions minimum) (5.72) .225 -TR (0.25)(1.27)(0.89)= Tape & Reel x (5.13) .202 .050 .010 035 Packaging **L**(1.09) (1.42) (4 thru 28 positions only) .043 DIA -P OPTION `.056

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

-A OPTION

LC OPTION