

# 2mm SQ TAIL SOCKET SQT SERIES

## SPECIFICATIONS

For complete specifications see [www.samtec.com?SQT](http://www.samtec.com?SQT)

**Insulator Material:** Black Liquid Crystal Polymer

**Contact Material:** Phosphor Bronze

**Plating:** Sn or Au over 50µ" (1,27µm) Ni

**Voltage Rating:** 450 VAC mated with TMM or TMMH

**Operating Temp Range:** -55°C to +125°C

**Contact Resistance:** 10 mΩ max

**Insertion Depth:** (2,62mm) .103" to (5,03mm) .198"

**Insertion Force:** (Single contact only) 4oz (1,11N) average

**Normal Force:** 60 grams (0,59N) average

**Withdrawal Force:** (Single contact only) 3oz (0,83N) average

**Max Cycles:** 100 with 10µ" (0,25µm) Au

**RoHS Compliant:** Yes

**Processing:** Max Processing Temp: 230°C for 60 seconds, or 260°C for 20 seconds 3x

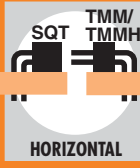
**Lead-Free Solderable:** Yes

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

**Mates with:** TMMH, TMM, MTMM, MMT, TW, LTMM, ZLTMM, ESQT, TCMD

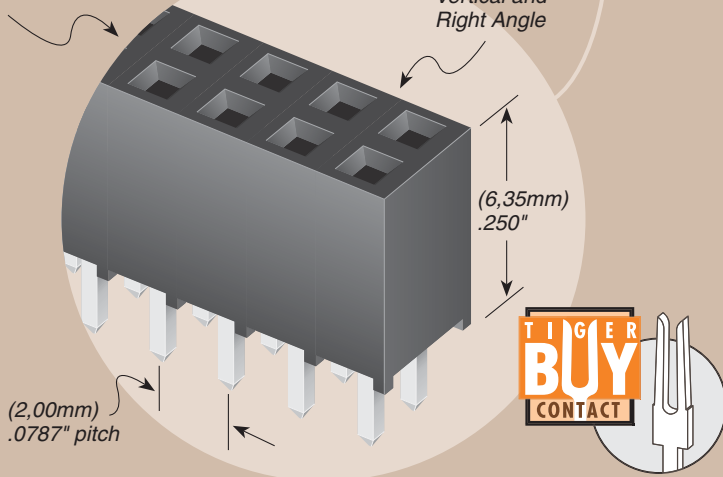
CURRENT RATING	
AMBIENT TEMP	Mated with TMM/TMMH
20°C	5.5A
40°C	5A
60°C	4A
80°C	3A

## APPLICATIONS



Choice of one through five rows

Vertical and Right Angle



SQT	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	OTHER OPTION
		02 thru 50	Specify LEAD STYLE from chart	-F = Gold flash on contact, Matte Tin on tail -L = 10µ" (0,25µm) Gold on contact, Matte Tin on tail	-S = Single Row -D = Double Row -T = Triple Row -Q = Four Row -5 = Five Row -6 = Six Row	-RA = Right Angle (-Q, -5 & -6 Row not available) (Lead Style -01 only) -"XXX" = Polarized Position (Indicate position number)

LEAD STYLE	A
-01	(2,29) .090
-02	(15,24) .600
-03	(5,28) .208

$\text{No. of positions} \times (2,00) .0787 + (0,30) .012$   
 (6,35) .250  
 (0,38) .015  
 (2,00) .0787 TYP  
 (1,27) .050  
 (2,29) .090  
 (2,00) .0787  
 -RA OPTION (-Q, -5 & -6 not available)

## Also Available

- Elevated**  
See ESQT Series.
- Surface Mount**  
See SQW and TLE Series.
- Low Profile**  
See CLT Series.
- High Reliability**  
See SMM Series.
- Press Fit**  
See PTF Series.

Due to technical progress, all designs, specifications and components are subject to change without notice.

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