

(2.00 mm) .0787"

SQT SERIES

# COST-EFFECTIVE RUGGED SOCKETS

## 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 50 μ" (1.27 μm) Ni
- Current Rating (TMMH/SQT):** 5.1 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"
- Normal Force:** 60 grams (0.59 N) average
- Max Cycles:** 100 with 10 μ" (0.25 μm) Au
- RoHS Compliant:** Yes
- Lead-Free Solderable:** Yes

### Board Mates:

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

### Cable Mates:

TCMD



Choice of one through six rows

Vertical and Right-angle

(2.00 mm) .0787" pitch

(6.35 mm) .250"

## HIGH-SPEED CHANNEL PERFORMANCE

Rating based on Samtec reference channel. For full SI performance data visit [Samtec.com](http://Samtec.com) or contact [SIG@samtec.com](mailto:SIG@samtec.com)

4 Gbps

## APPLICATIONS



HORIZONTAL

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



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



02 thru 50

Specify LEAD STYLE from chart

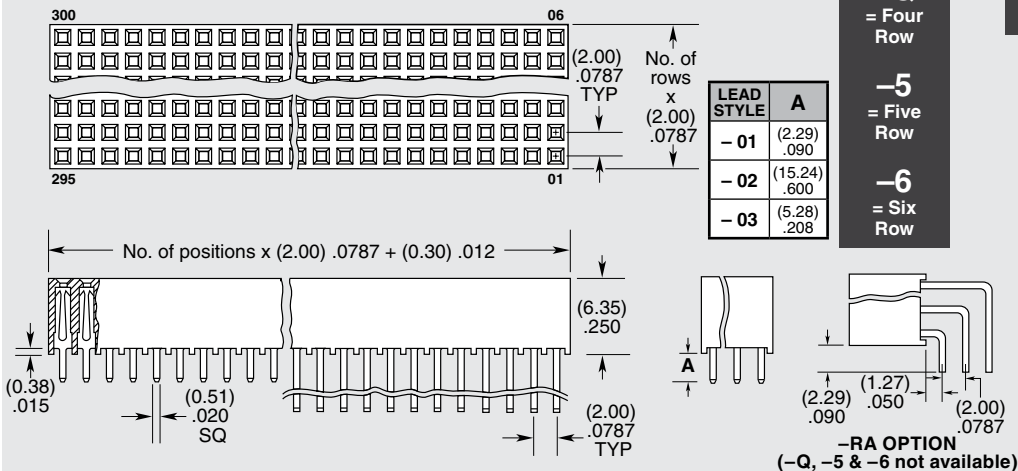
- F** = Gold flash on contact, Matte Tin on tail
- L** = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail

- 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)

## Other Solutions

- 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.

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

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