

(2.00 mm) .0787"

SQT-112-01-L-6

SQT-110-01-F-D-RA

SQT-107-02-L-S

SQT-117-01-L-D

SQT-110-03-F-Q

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  $\mu$ " (1.27  $\mu$ m) 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  $\mu$ " (0.25  $\mu$ m) 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

TMM/  
TMMH

HORIZONTAL

## RECOGNITIONS

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



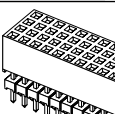
### Note:

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

## Other Solutions

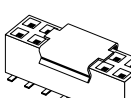
### Elevated

See ESQT Series.



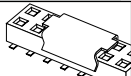
### Surface Mount

See SQW and TLE Series.



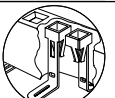
### Low Profile

See CLT Series.



### High Reliability

See SMM Series.



### Press-fit

See PTF Series.



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  
= 10  $\mu$ " (0.25  $\mu$ m)  
Gold on contact,  
Matte Tin on tail

-S  
= Single  
Row

-D  
= Double  
Row

-T  
= Triple  
Row

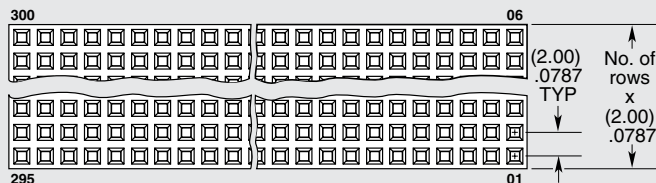
-Q  
= Four  
Row

-5  
= Five  
Row

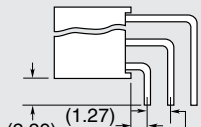
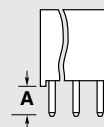
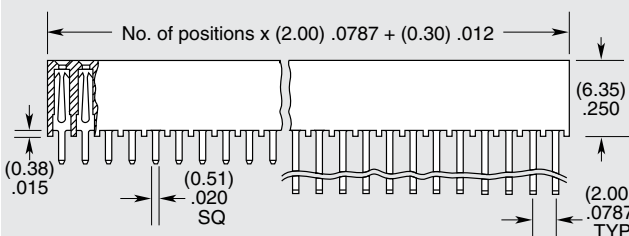
-6  
= Six  
Row

-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  |



-RA OPTION  
(-Q, -5 & -6 not available)

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.