

(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

Insulator Material:

Black Liquid Crystal Polymer

Contact Material:

Phosphor Bronze

Plating:

Sn or Au over 50 μ " (1.27 μ 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 μ " (0.25 μ 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 or contact
SIG@samtec.com

4

Gbps

APPLICATIONS

TMM/
TMMH

SQT

HORIZONTAL

RECOGNITIONS

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



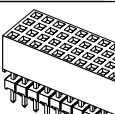
Note:

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

Other Solutions

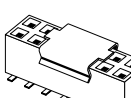
Elevated

See ESQT Series.



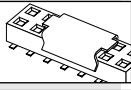
Surface

Mount
See SQW and
TLE Series.



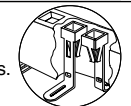
Low

Profile
See CLT Series.



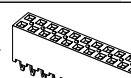
High

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 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)

LEAD STYLE	A
-01	(2.29) .090
-02	(15.24) .600
-03	(5.28) .208

No. of positions x (2.00) .0787 + (0.30) .012

(0.38) .015

(0.51) .020 SQ

(2.00) .0787 TYP

(6.35) .250

(1.27) .050

(2.29) .090

(2.00) .0787

-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

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.