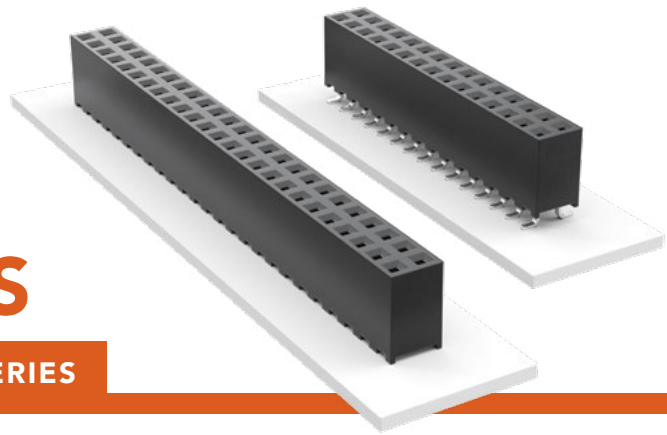


# COST-EFFECTIVE RUGGED SOCKETS

(2.00 mm) .0787" PITCH • SQW/SQT SERIES



## SQW/SQT

### Board Mates:

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

### Cable Mates:

TCMD

## SPECIFICATIONS

### Insulator Material:

Black Liquid Crystal Polymer

### Contact Material:

Phosphor Bronze

### Plating:

Sn or Au over  
50  $\mu$ " (1.27  $\mu$ m) Ni

### SQW Current Rating

(SQW/TMMH):

3.8 A per pin (2 pins powered)

### SQT 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

### SQW Insertion Depth:

(2.62 mm) .103" to

(5.03 mm) .198" with

(0.38 mm) .015" wipe

### SQT Insertion Depth:

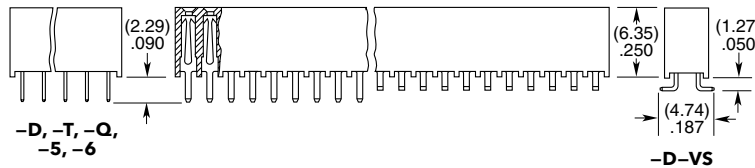
(2.62 mm) .103" to

(5.03 mm) .198"

### Max Cycles:

100 with 10  $\mu$ " (0.25  $\mu$ m) Au

SQW	1	NO. PINS PER ROW	01	PLATING OPTION	ROW OPTION	OPTION
		02 thru 50				
				-F = Gold flash on contact, Matte Tin on tail	-D = Double Row	-“XXX” = Polarized Position -D-VS only options:
				-L = 10 $\mu$ " (0.25 $\mu$ m) Gold on contact, Matte Tin on tail	-D-VS = Double Row Surface Mount	-A = Alignment Pin (5 positions minimum) Metal or plastic at Samtec discretion. (Not available with -LC)
					-T = Triple Row	-LC = Locking Clip (5 positions minimum) (Not available with -A) (Manual placement required)
					-Q = Four Row	-K = (4.25 mm) .167" DIA Polyimide Film Pick & Place Pad (4 positions minimum)
					-5 = Five Row	-P = Pick & Place Pad (4 positions minimum)
					-6 = Six Row	-TR = Tape & Reel (4-28 positions only)
						-FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (4-28 positions only)



## PROCESSING

### SQW Lead-Free Solderable:

Yes, for -D & -D-VS

(Wave only for -T, -Q, -5 & -6)

### SQT Lead-Free Solderable:

Yes

### 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)

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	-S = Single Row	-RA = Right-angle (-Q, -5 & -6 Row not available) (Lead Style -01 only)
				-L = 10 $\mu$ " (0.25 $\mu$ m) Gold on contact, Matte Tin on tail	-D = Double Row	-“XXX” = Polarized Position (Indicate position number)
					-T = Triple Row	
					-Q = Four Row	
					-5 = Five Row	
					-6 = Six Row	

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

### Note:

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

# Mouser Electronics

Authorized Distributor

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