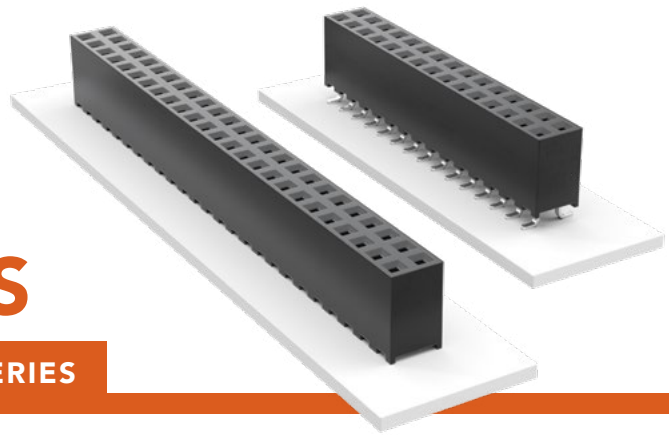


# COST-EFFECTIVE RUGGED SOCKETS

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



## SQW/SQT

### Board Mates:

TMMH, TMM5, 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 μ" (1.27 μm) 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"

### SQT Normal Force:

60 grams (0.59 N) average

### Max Cycles:

100 with 10 μ" (0.25 μm) Au

<b>SQW</b>	-	<b>1</b>	<b>NO. PINS PER ROW</b>	-	<b>01</b>	<b>PLATING OPTION</b>	-	<b>ROW OPTION</b>	-	<b>OPTION</b>
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02 thru 50

### -F

= Gold flash on contact, Matte Tin on tail

### -L

= 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail

### -D

= Double Row

### -D-VS

= Double Row Surface Mount

### -T

= Triple Row

### -Q

= Four Row

### -5

= Five Row

### -6

= Six Row

### -"XXX"

= Polarized Position  
-D-VS only options:

### -A

= Alignment Pin (5 positions minimum)  
Metal or plastic at Samtec discretion. (Not available with -LC)

### -LC

= Locking Clip (5 positions minimum) (Manual placement required)

### -K

= (4.25 mm) .167" DIA Polyimide Film Pick & Place Pad (4 positions minimum)

### -P

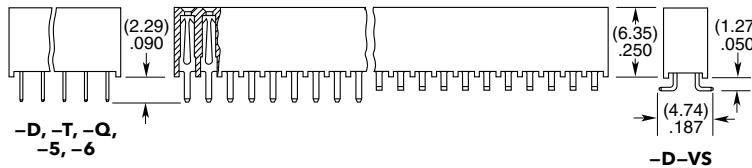
= Pick & Place Pad (4 positions minimum)

### -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)

<b>SQT</b>	-	<b>1</b>	<b>NO. PINS PER ROW</b>	-	<b>LEAD STYLE</b>	-	<b>PLATING OPTION</b>	-	<b>ROW OPTION</b>	-	<b>OTHER OPTION</b>
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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

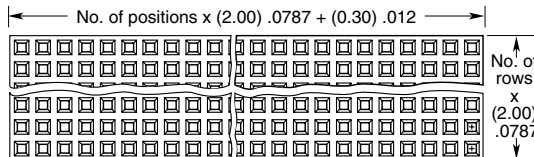
= Six Row

### -RA

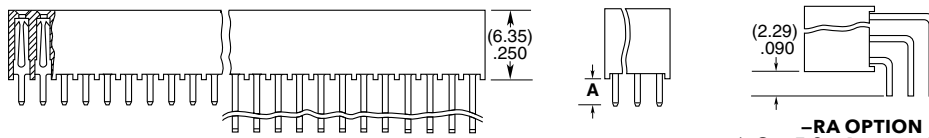
= Right-angle (-Q, -5 & -6 Row not available) (Lead Style -01 only)

### -"XXX"

= Polarized Position (Indicate position number)



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



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

### Note:

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

# Mouser Electronics

Authorized Distributor

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## Samtec:

[SQW-117-01-F-D](#) [SQW-108-01-L-D](#) [SQW-112-01-F-D](#) [SQW-110-01-L-D-VS-A](#) [SQW-108-01-F-D-VS-A](#) [SQW-112-01-F-D-VS](#) [SQW-120-01-L-D-VS-A](#) [SQW-113-01-F-D](#) [SQW-150-01-FM-D](#) [SQW-113-01-L-D-VS-A](#) [SQW-130-01-L-D](#) [SQW-125-01-L-D-VS-LC](#) [SQW-102-01-F-D-VS](#) [SQW-120-01-L-D-VS-LC](#) [SQW-110-01-F-D-VS-K-TR](#) [SQW-108-01-L-D-VS](#) [SQW-115-01-F-D-VS-K](#) [SQW-121-01-L-D-007](#) [SQW-125-01-L-D-VS](#) [SQW-110-01-F-D-VS-P-TR](#) [SQW-125-01-F-D](#) [SQW-123-01-L-D-VS-LC-K](#) [SQW-102-01-F-D](#) [SQW-110-01-F-D-VS-A](#) [SQW-103-01-F-D-VS](#) [SQW-115-01-F-D-VS](#) [SQW-103-01-F-D](#) [SQW-107-01-L-D-VS-A](#) [SQW-106-01-L-D-VS](#) [SQW-110-01-L-D-VS-A-K-TR](#) [SQW-119-01-L-D](#) [SQW-121-01-F-D](#) [SQW-150-01-L-D](#) [SQW-122-01-L-D](#) [SQW-102-01-L-D-VS](#) [SQW-106-01-F-D](#) [SQW-140-01-L-D-VS](#) [SQW-112-01-L-D](#) [SQW-115-01-F-D](#) [SQW-113-01-L-D-VS](#) [SQW-109-01-F-D](#) [SQW-106-01-F-D-VS](#) [SQW-105-01-L-D-VS](#) [SQW-117-01-L-D](#) [SQW-123-01-L-D](#) [SQW-118-01-F-D](#) [SQW-132-01-L-D](#) [SQW-108-01-F-D-VS-LC](#) [SQW-113-01-L-D](#) [SQW-104-01-L-D-VS](#) [SQW-107-01-F-D](#) [SQW-115-01-F-D-VS-LC](#) [SQW-117-01-L-D-VS-A](#) [SQW-107-01-L-D](#) [SQW-115-01-F-D-VS-A](#) [SQW-116-01-F-D](#) [SQW-130-01-F-D-VS-LC](#) [SQW-132-01-L-D-VS](#) [SQW-125-01-L-D-VS-A](#) [SQW-109-01-L-D](#) [SQW-108-01-L-D-VS-TR](#) [SQW-112-01-L-D-VS-A](#) [SQW-140-01-SM-D-VS-LC](#) [SQW-150-01-L-D-VS](#) [SQW-110-01-L-D-VS](#) [SQW-120-01-L-Q](#) [SQW-111-01-LM-D](#) [SQW-107-01-L-D-VS](#) [SQW-108-01-F-D](#) [SQW-108-01-FM-D-VS](#) [SQW-108-01-L-D-VS-P](#) [SQW-110-01-F-D-VS-LC](#) [SQW-126-01-L-D](#) [SQW-120-01-F-D-VS](#) [SQW-110-01-F-D](#) [SQW-104-01-L-D](#) [SQW-112-01-L-D-VS](#) [SQW-113-01-L-D-VS-K](#) [SQW-110-01-F-D-VS](#) [SQW-117-01-F-D-VS](#) [SQW-120-01-F-D-VS-A](#) [SQW-108-01-L-D-VS-LC-P](#) [SQW-112-01-L-D-VS-P](#) [SQW-125-01-L-D](#) [SQW-110-01-L-D](#) [SQW-112-01-L-D-VS-LC](#) [SQW-106-01-L-D](#) [SQW-112-01-F-D-VS-A](#) [SQW-120-01-L-D](#) [SQW-104-01-L-D-VS-001](#) [SQW-110-01-L-D-VS-LC](#) [SQW-142-01-F-D-VS-LC](#) [SQW-140-01-F-D](#) [SQW-140-01-F-D-VS](#) [SQW-110-01-S-D-VS-A-K-TR](#) [SQW-114-01-F-D](#) [SQW-115-01-LM-D-VS-LC](#) [SQW-113-01-F-D-VS-LC](#) [SQW-132-01-L-D-VS-P](#) [SQW-102-01-L-D](#)