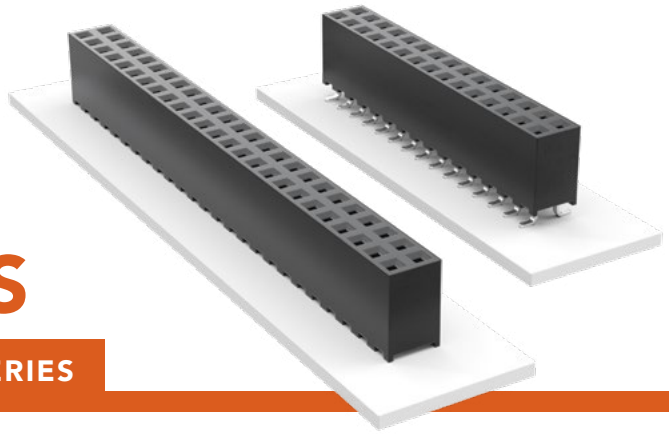
TIGER BUY™ CONTACT

# 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 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"
**Max Cycles:**
100 with 10 µ" (0.25 µm) Au

## 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)

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

## SQW - 1 - NO. PINS PER ROW - 01 - PLATING OPTION - ROW OPTION - OPTION

**NO. PINS PER ROW:** 02 thru 50

**PLATING OPTION**

**–F**
= Gold flash on contact, Matte Tin on tail

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

**ROW OPTION**

**–D**
= Double Row

**–D–VS**
= Double Row Surface Mount

**–T**
= Triple Row

**–Q**
= Four Row

**–5**
= Five Row

**–6**
= Six Row

**OPTION**

**–"XXX"**
= Polarized Position
–D–VS only options:

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

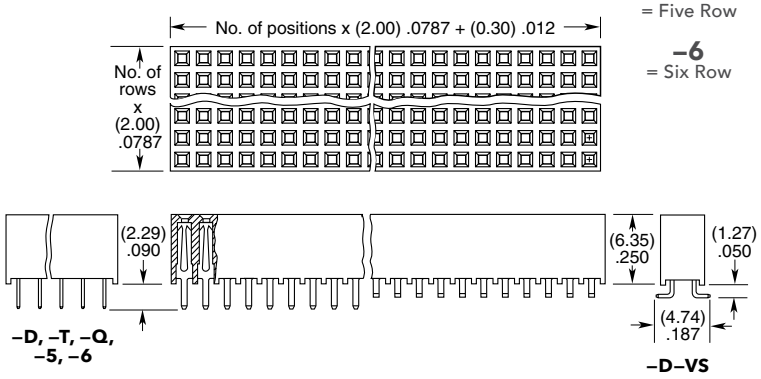
**–LC**
= Locking Clip
(5 positions minimum)
(Not available with -A)
(Manual placement required)

**–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)




## SQT - 1 - NO. PINS PER ROW - LEAD STYLE - PLATING OPTION - ROW OPTION - OTHER OPTION

4 Gbps

**NO. PINS PER ROW:** 02 thru 50

**LEAD STYLE**
Specify LEAD STYLE from chart

**PLATING OPTION**

**–F**
= Gold flash on contact, Matte Tin on tail

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

**ROW OPTION**

**–S**
= Single Row

**–D**
= Double Row

**–T**
= Triple Row

**–Q**
= Four Row

**–5**
= Five Row

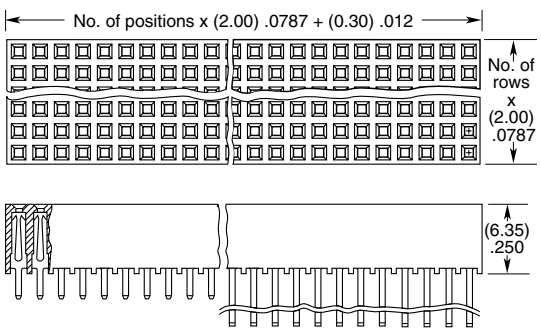
**–6**
= Six Row

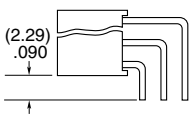
**OTHER OPTION**

**–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)**



Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.