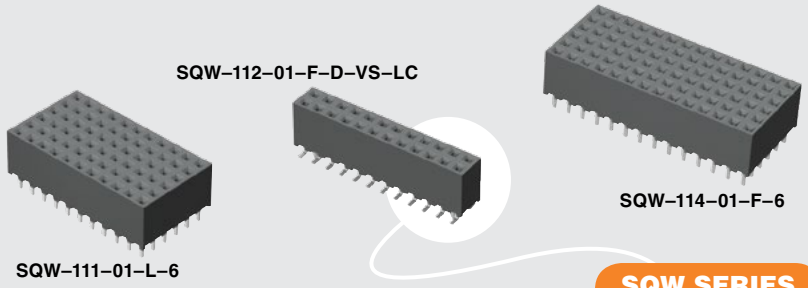
samtec




**(2.00 mm) .0787"**

**SQW SERIES**

# COST-EFFECTIVE RUGGED SOCKETS

## SPECIFICATIONS

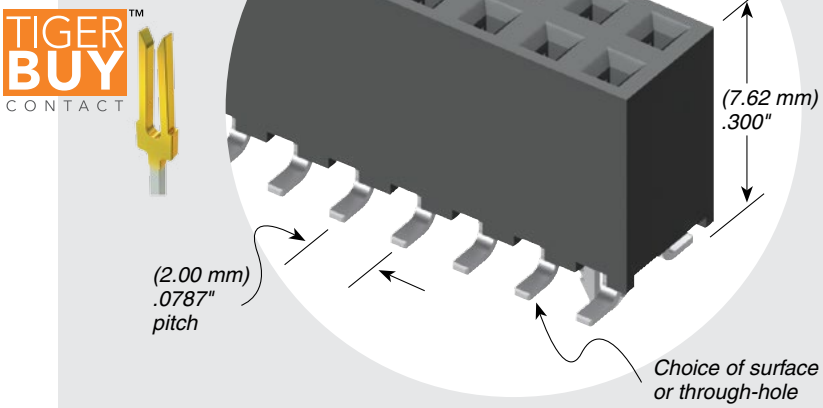
For complete specifications and recommended PCB layouts see www.samtec.com?SQW

**Insulator Material:**
Black Liquid Crystal Polymer
**Contact Material:**
Phosphor Bronze
**Plating:**
Sn or Au over
50 µ" (1.27 µm) Ni
**Current Rating (SQW/TMMH):**
3.8 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" with
(0.38 mm) .015" wipe
**Max Cycles:**
100 with 10 µ" (0.25 µm) Au
**RoHS Compliant:**
Yes

**Board Mates:**
TMMH, TMM, MTMM, MMT, TW, TSH, LTMM, PTT

**Cable Mates:**
TCMD

TIGER BUY™ CONTACT




## PROCESSING

**Lead–Free Solderable:**
Yes, for -D & -D-VS
(Wave only for -T, -Q, -5 & -6)
**SMT Lead Coplanarity:**
(0.15 mm) .006" max*
*(.004" stencil solution may be available; contact IPG@samtec.com)

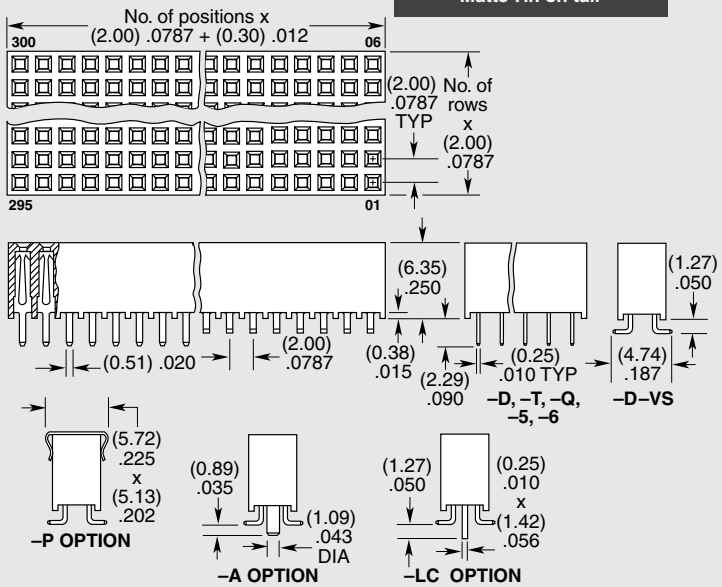
## RECOGNITIONS

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

FILE NO. E111594

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

| SQW | – | 1 | NO. PINS PER ROW | – | 01 | – | PLATING OPTION | – | ROW OPTION | – | OPTION |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 02 thru 50 | | | | –F = Gold flash on contact, Matte Tin on tail<br>–L = 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail | | –D = Double Row<br>–D–VS = Double Row Surface Mount<br>–T = Triple Row<br>–Q = Four Row<br>–5 = Five Row<br>–6 = Six Row | | –"XXX" = Polarized Position<br>–D–VS only options:<br>–A = Alignment Pin (5 positions minimum) Metal or plastic at Samtec discretion. (N/A with -LC)<br>–LC = Locking Clip (5 positions minimum) (N/A with -A) (Manual placement required)<br>–K = (4.25 mm) .167" DIA Polyimide Film Pick & Place Pad (4 positions minimum)<br>–P = Pick & Place Pad (4 positions minimum)<br>–TR = Tape & Reel Packaging (4 thru 28 positions only) |




Due to technical progress, all designs, specifications and components are subject to change without notice.



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.