

SQW SERIES

(2.00 mm) .0787"

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

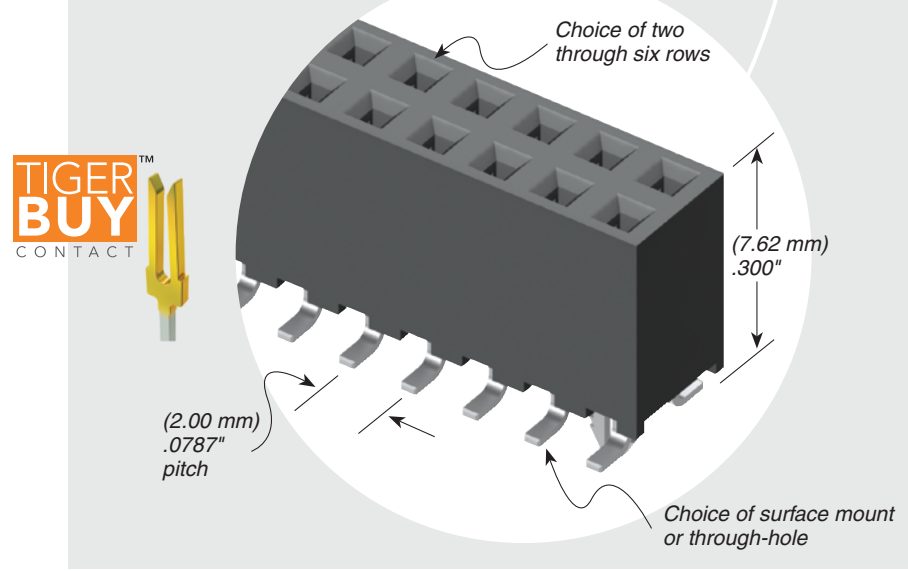
Insertion Depth:
(2.62 mm) .103" to
(5.03 mm) .198" with
(0.38 mm) .015" wiper

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



PROCESSING

Lead-Free Solderable:
Yes, for -D & -D-VS
(Wave only for -T, -Q, -5 & -6)

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)

RECOGNITIONS

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



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 -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. (N/A with -LC) -LC = Locking Clip (5 positions minimum) (N/A 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 Packaging (4 thru 28 positions only)

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