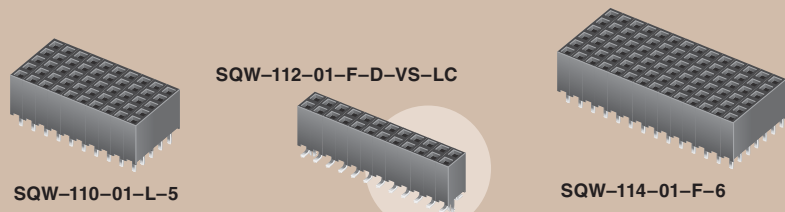




(2,00mm) .0787"

SQW SERIES



# COST-EFFECTIVE RUGGED SOCKETS

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com/SQW](http://www.samtec.com/SQW)

### Insulator Material:

Black Liquid Crystal Polymer

### Contact Material:

Phosphor Bronze

### Plating:

Sn or Au over 50µ" (1,27µm) Ni

### Voltage Rating:

500 VAC mated with TMM or TMMH

### Operating Temp Range:

-55°C to +125°C

### Contact Resistance:

10 mΩ max

### Insertion Depth:

(2,62mm) .103" to (5,03mm) .198" with (0,38mm) .015" wiper

### Insertion Force:

(Single contact only) 1.8oz (0,50N) avg.

### Withdrawal Force:

(Single contact only) 1.0oz (0,28N) avg.

### Max Cycles:

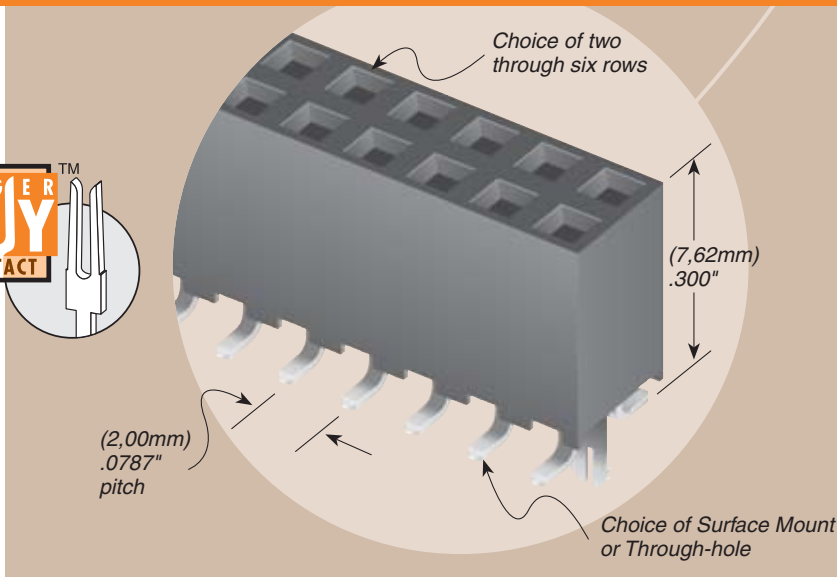
100 with 10µ" (0,25µm) Au

### RoHS Compliant:

Yes



Mates with:  
TMMH, TMM, MTMM,  
MMT, TW, TSH, TCMD



CURRENT RATING	
AMBIENT TEMP	Mated with TMMH
20°C	5A
40°C	4.6A
60°C	4A
95°C	2.6A

6 POSITIONS (2x3) POWERED

### Processing:

#### Lead-Free Solderable:

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

#### SMT Lead Coplanarity:

(0,15mm) .006" max

**TAPE & REEL AVAILABILITY**

No tooling charges.  
Minimum order is the lesser of a full reel quantity or 125 pieces.  
Order any quantity above minimum.  
In-house design, manufacture.  
Quick turn-around.

Call Samtec for specifications and ordering information.

**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	-D = Double Row	- "XXX" = Polarized Position
				-L = 10µ" (0,25µm) Gold on contact, Matte Tin on tail	-D-VS = Double Row Surface Mount	-D-VS only options: -A = Alignment Pin (5 positions minimum) Metal or plastic at Samtec discretion. (N/A with -LC)
					-T = Triple Row	-LC = Locking Clip (5 positions minimum) (N/A with -A) (Manual placement required)
					-Q = Four Row	-K = (4,25mm) .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 Packaging (4 thru 28 positions only)

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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

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