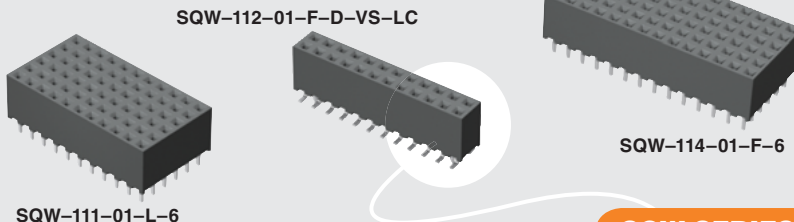




(2,00 mm) .0787"



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
50µ" (1,27 µm) Ni
Current Rating (SQW/TMMH):
3.8 A per pin
(1 pin powered per row)
Voltage Rating:
500 VAC mated with
TMM or TMMH
Operating Temp Range:
-55°C to +125°C
Contact Resistance:
10 mΩ
Insertion Depth:
(2,62 mm) .103" to
(5,03 mm) .198" with
(0,38 mm) .015" wipe
Insertion Force:
(Single contact only)
1.8 oz (0,50 N) avg.
Withdrawal Force:
(Single contact only)
1.0 oz (0,28 N) avg.
Max Cycles:
100 with 10µ" (0,25 µm) Au
RoHS Compliant:
Yes

Processing:
Lead-Free Solderable:
Yes, for -D & -D-VS
(Wave only for -T, -Q, -5 & -6)
SMT Lead Coplanarity:
(0,15 mm) .006" max

RECOGNITIONS

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



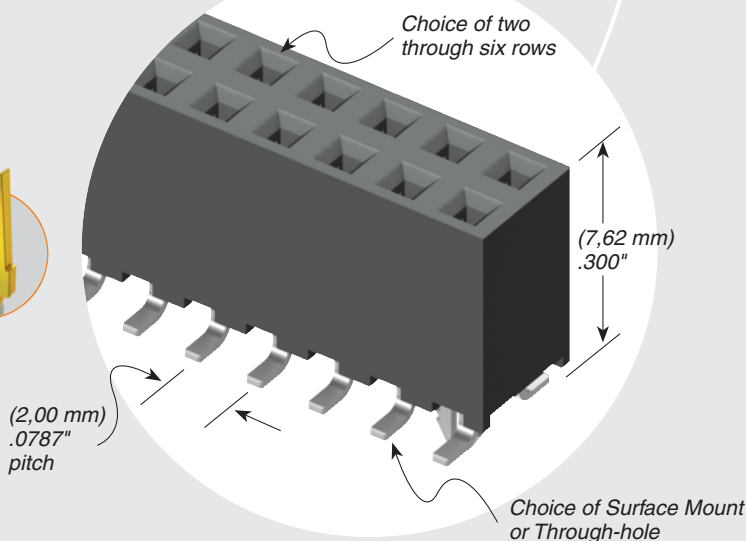
TAPE & REEL AVAILABILITY

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.

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



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" (0,25 µm) 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 = (4,25 mm) .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)

Technical drawing details:
 -P OPTION: (5,72) .225 x (5,13) .202
 -A OPTION: (0,89) .035, (1,09) .043 DIA
 -LC OPTION: (1,27) .050, (0,25) .010 x (1,42) .056
 Dimensions: (300) No. of positions x (2,00) .0787 + (0,30) .012, (295) 01, (2,00) No. of .0787 TYP x (2,00) .0787, (6,35) .250, (1,27) .050, (0,51) .020, (2,00) .0787, (0,38) .015, (2,29) .090, (0,25) .010 TYP, (4,74) .187, (0,25) .010, (1,27) .050, (0,25) .010 x (1,42) .056