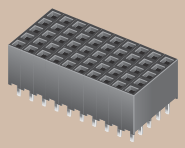
samtec

FLEX X Y Z ™

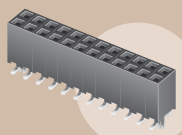
(2,00 mm) .0787"

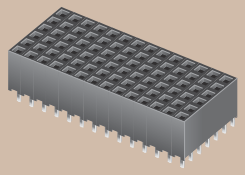
SQW SERIES



SQW–110–01–L–5

SQW–112–01–F–D–VS–LC





SQW–114–01–F–6

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

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

FILE NO. E111594

CURRENT RATING (PER CONTACT)	
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:
(0,15 mm) .006" max

TAPE & REEL AVAILABILITY

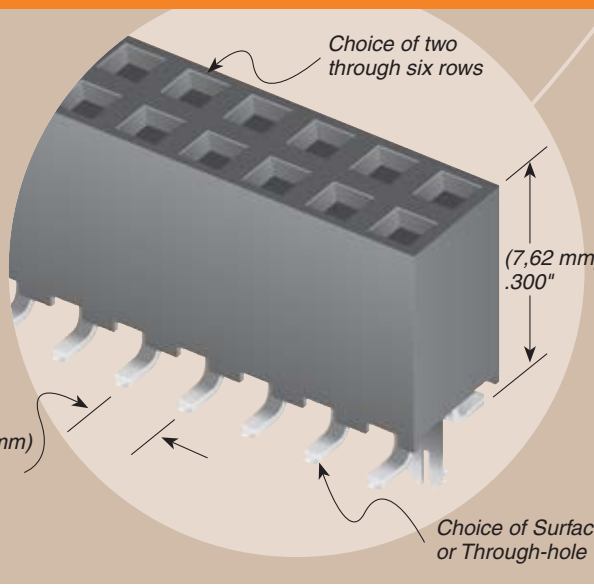
No tooling charges.
Minimum order is the lesser of a full reel quantity or 125 pieces.
Order any quantity above minimum.
In-house design, manufacture.
Quick turn-around.

Call Samtec for specifications and ordering information.

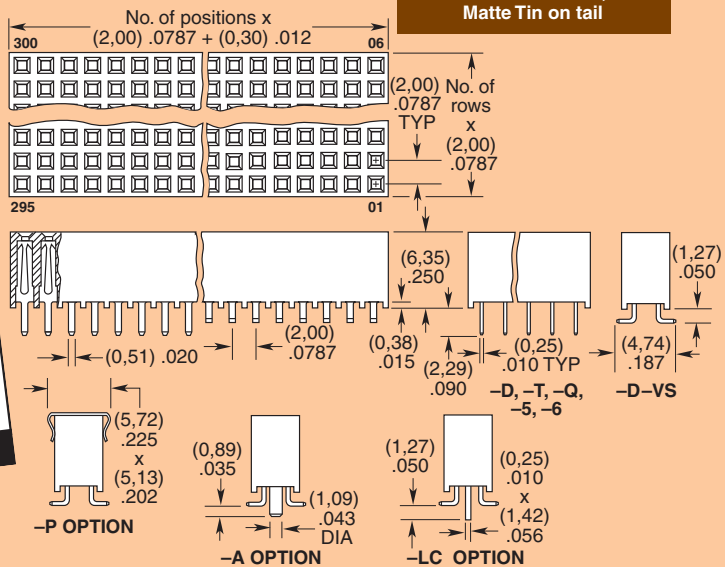
Note: Some lengths, styles and options are non-standard, non-returnable.

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

TIGER BUY CONTACT ™



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 = 10µ" (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.

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