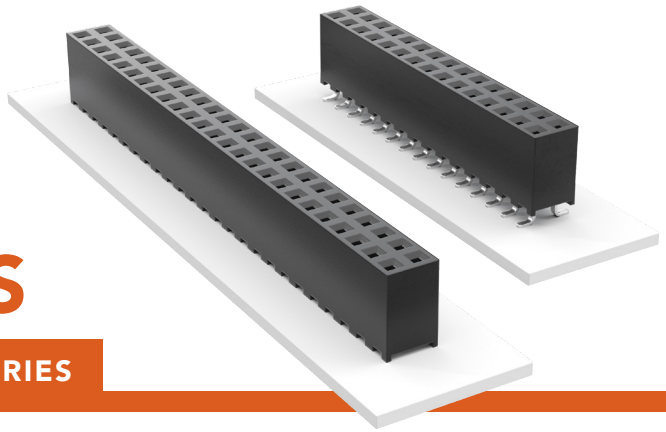
TIGER BUY™ CONTACT

COST-EFFECTIVE RUGGED SOCKETS



(2.00 mm) .0787" PITCH • SQW/SQT SERIES

SQW/SQT
Board Mates:
TMMH, TMMS, TMM, MTMM, MMT, TW, TSH, LTMM, ZLTMM, PTT
Cable Mates:
TCMD

SPECIFICATIONS

Insulator Material:
Black Liquid Crystal Polymer
Contact Material:
Phosphor Bronze
Plating:
Sn or Au over
50 µ" (1.27 µm) Ni
Operating Temp Range:
-55 °C to +125 °C
Current Rating:
(SQW/TMMH) = 3.8 A per pin
(2 pins powered)
(TMMH/SQT) = 5.1 A per pin
(2 pins powered)
Voltage Rating:
281 VAC/398 VDC
mated with TMM;
250 VAC/354 VDC
mated with TMMH
SQW Insertion Depth:
(2.62 mm) .103" to
(5.03 mm) .198" with
(0.38 mm) .015" wipe
SQT Insertion Depth:
(2.62 mm) .103" to
(5.03 mm) .198"
Max Cycles:
100 with 10 µ" (0.25 µm) Au

PROCESSING

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

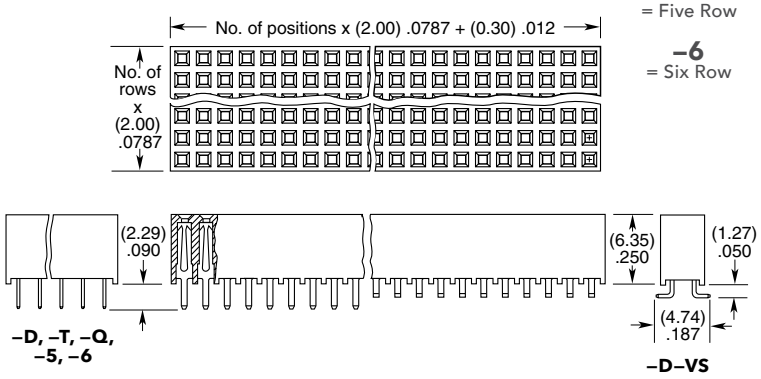
SQW – 1 – NO. PINS PER ROW – 01 – PLATING OPTION – ROW OPTION – OPTION

NO. PINS PER ROW: 02 thru 50

PLATING OPTION
–F = Gold flash on contact, Matte Tin on tail
–L = 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail

ROW OPTION
–D = Double Row
–D–VS = Double Row Surface Mount
–T = Triple Row
–Q = Four Row
–5 = Five Row
–6 = Six Row

OPTION
–"XXX" = Polarized Position –D–VS only options:
–A = Alignment Pin (5 positions minimum) Metal or plastic at Samtec discretion. (Not available with -LC)
–LC = Locking Clip (5 positions minimum) (Not available 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 (4–28 positions only)
–FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (4–28 positions only)



SQT – 1 – NO. PINS PER ROW – LEAD STYLE – PLATING OPTION – ROW OPTION – OTHER OPTION

4 Gbps

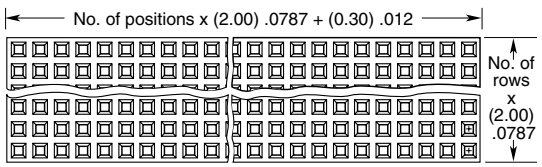
NO. PINS PER ROW: 02 thru 50

LEAD STYLE: Specify LEAD STYLE from chart

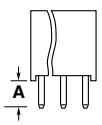
PLATING OPTION
–F = Gold flash on contact, Matte Tin on tail
–L = 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail

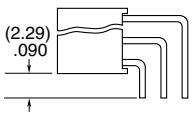
ROW OPTION
–S = Single Row
–D = Double Row
–T = Triple Row
–Q = Four Row
–5 = Five Row
–6 = Six Row

OTHER OPTION
–RA = Right-angle (–Q, –5 & –6 Row not available) (Lead Style –01 only)
–"XXX" = Polarized Position (Indicate position number)



LEAD STYLE	A
–01	(2.29) .090
–02	(15.24) .600
–03	(5.28) .208





–RA OPTION
(–Q, –5 & –6 not available)

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

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.