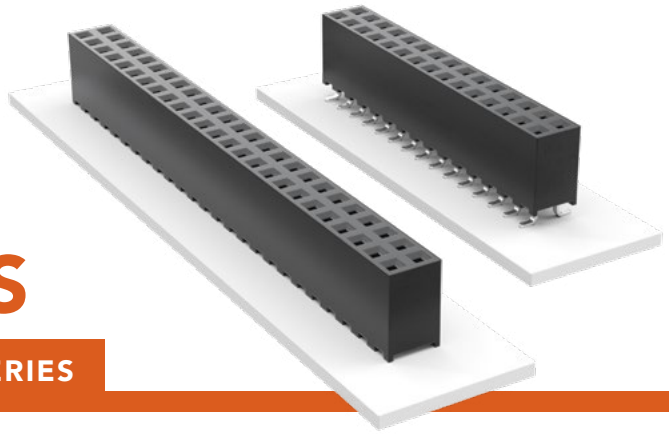
TIGER BUY™ CONTACT

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
SQW Current Rating (SQW/TMMH):
3.8 A per pin (2 pins powered)
SQT Current Rating (TMMH/SQT):
5.1 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
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)

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

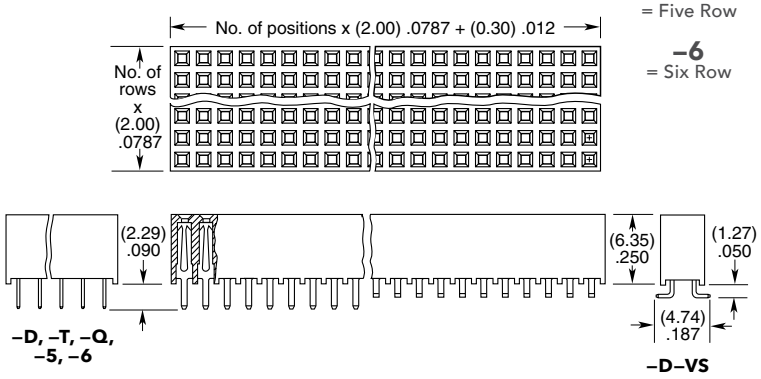
SQW – 1 – NO. PINS PER ROW – 01 – PLATING OPTION – ROW OPTION – OPTION

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

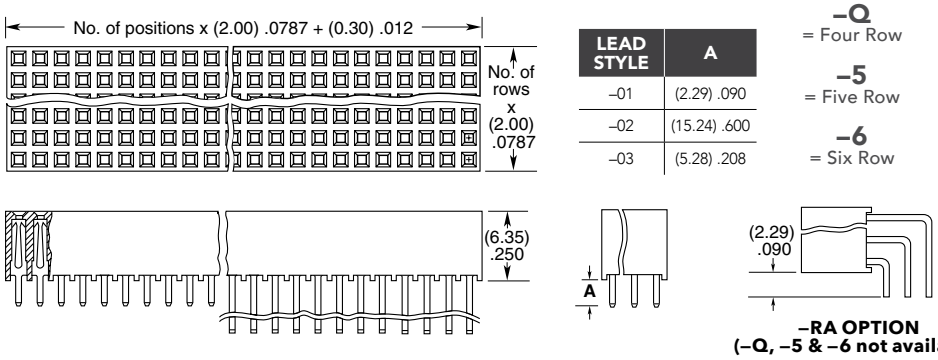
LEAD STYLE: Specify LEAD STYLE from chart

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

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

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)



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.