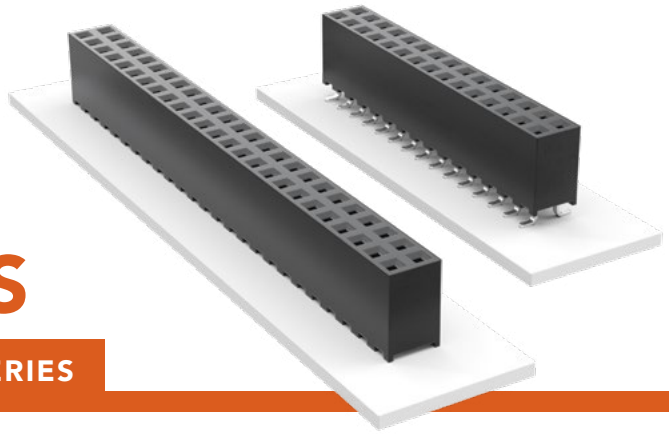
TIGER BUY™ CONTACT

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)

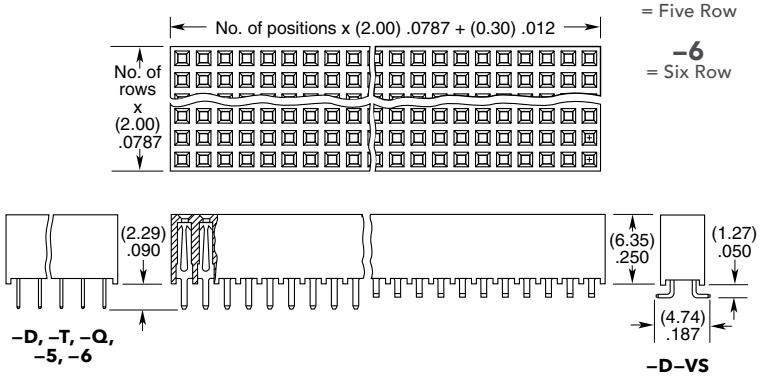
–LC
= Locking Clip
(5 positions minimum)
(Not available with -A)
(Manual placement required)

–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

ROW OPTION

–S
= Single Row

–D
= Double Row

–T
= Triple Row

–Q
= Four Row

–5
= Five Row

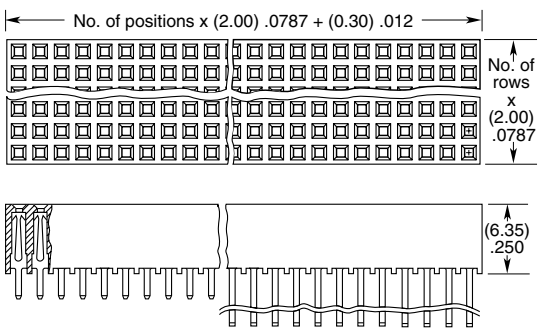
–6
= Six Row

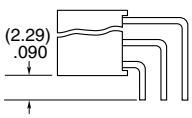
OTHER OPTION

–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)

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.