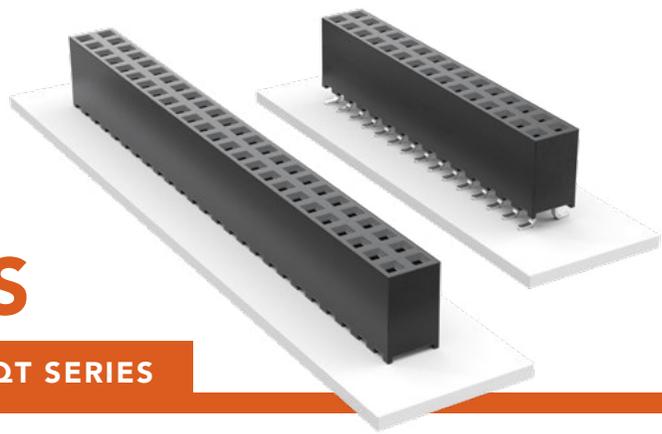




COST-EFFECTIVE RUGGED SOCKETS

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



A-SQW/A-SQT

Board Mates:

A-TMMH, A-TMM, A-MTMM, A-MMT, A-TW



A-SQW	1	NO. PINS PER ROW	01	PLATING OPTION	ROW OPTION	OPTION
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02 thru 50

-L
= 10 μ" (0.25 μm)
Gold on contact,
Matte Tin on tail

-D
= Double Row
-D-VS
= Double Row
Surface Mount

-A
= Alignment Pin
(5 positions minimum)
Plastic at Samtec
discretion.

-T
= Triple Row

-K
= (4.25 mm) .167" DIA
Polyimide Film
Pick & Place Pad
(4 positions minimum)

-TR
= Tape & Reel
(4-28 positions only)

SPECIFICATIONS

Insulator Material:

Black Liquid Crystal Polymer

Contact Material:

Phosphor Bronze

Plating:

Sn or Au over
50 μ" (1.27 μm) Ni

A-SQW Current Rating (A-SQW/A-TMMH):

3.8 A per pin (2 pins powered)

A-SQT Current Rating (A-SQT/A-TMMH):

5.1 A per pin (2 pins powered)

Voltage Rating:

281 VAC mated with A-TMM;
250 VAC mated with A-TMMH

Operating Temp Range:

-55 °C to +125 °C

A-SQW Insertion Depth:

(2.62 mm) .103" to
(5.03 mm) .198" with
(0.38 mm) .015" wipe

A-SQT Insertion Depth:

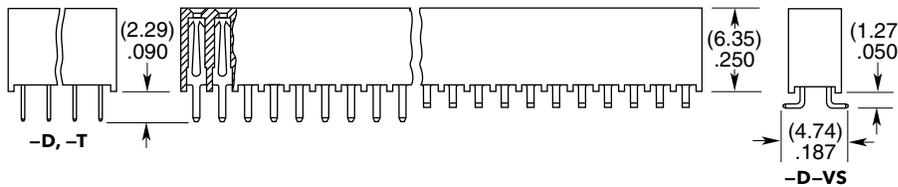
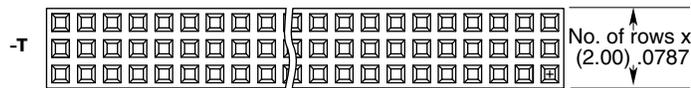
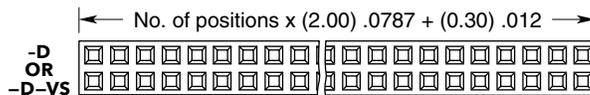
(2.62 mm) .103" to
(5.03 mm) .198"

A-SQT Normal Force:

60 grams (0.59 N) average

Max Cycles:

100 with 10 μ" (0.25 μm) Au



A-SQT	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	OTHER OPTION
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02 thru 50

Specify
**LEAD
STYLE
from
chart**

-L
= 10 μ" (0.25 μm)
Gold on contact,
Matte Tin on tail

-S
= Single Row

-D
= Double Row

-T
= Triple Row

-RA
= Right-angle
(Lead Style -01 only)

PROCESSING

A-SQW Lead-Free Solderable:

Yes, for -D & -D-VS

Wave only for -T

A-SQT Lead-Free Solderable:

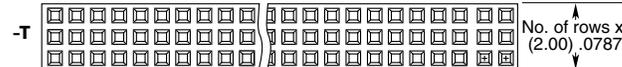
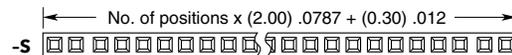
Yes

SMT Lead Coplanarity:

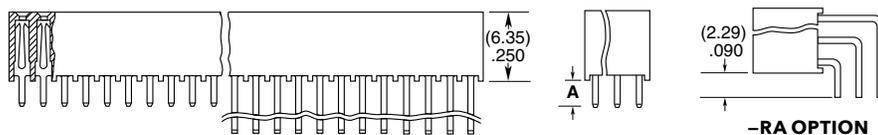
(0.10 mm) .004" max (02-10)

(0.15 mm) .006" max (11-50)*

*(.004" stencil solution
may be available; contact
ipg@samtec.com)



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



Note:

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

Due to technical progress, all designs, specifications and components are subject to change without notice.