

(2.54 mm) .100"

THROUGH-HOLE .025" SQ POST SOCKET

SPECIFICATIONS

For complete specifications see www.samtec.com?A-SSW or www.samtec.com?A-SSQ

Insulator Material:
Black Liquid Crystal Polymer (-S & -D) or
Black High Temperature Thermoplastic (-T)

Contact Material:
Phosphor Bronze
Plating:
Au or Sn over
50µ" (1.27 µm) Ni

Current Rating (A-TSW/A-SSW):
5.7 A per pin
(1 pin powered per row)

Current Rating (A-SSQ/A-TSW):
6.3 A per pin
(1 pin powered per row)

Operating Temp Range:
-55°C to +125°C with Gold
-55°C to +105°C with Tin

Contact Resistance: 10 mΩ
Insertion Depth:
(3.68 mm) .145" to
(6.35 mm) .250"

Insertion Force:
(Single contact only)
(-S plating)
Standard= 6 oz (1.67 N) avg
(0.64 mm) .025" SQ pin);

A-SSW Low Insertion Force= 3 oz (0.83 N) avg
A-SSQ Low Insertion Force= 3.3 oz (0.92 N) avg

Normal Force:
Standard= 125 grams (4.4 N)

Withdrawal Force:
(Single contact only)
(-S plating)
Standard= 5 oz (1.39 N) avg
(0.64 mm) .025" SQ pin);

A-SSW Low Insertion Force= 2.6 oz (0.72 N) avg
A-SSQ Low Insertion Force= 2.9 oz (0.81 N) avg

Max Cycles:
100 with 10µ" (0.25 µm) Au

Voltage Rating:
550 VAC mated with A-TSW

RoHS Compliant:
Yes

Lead-Free Solderable:
Yes

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



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

Mates With:

A-TSW, A-MTSW, A-MTLW,
A-EW, A-ZW, A-TSS,
A-ZSS, A-TSM, A-HTSS



TYPE STRIP

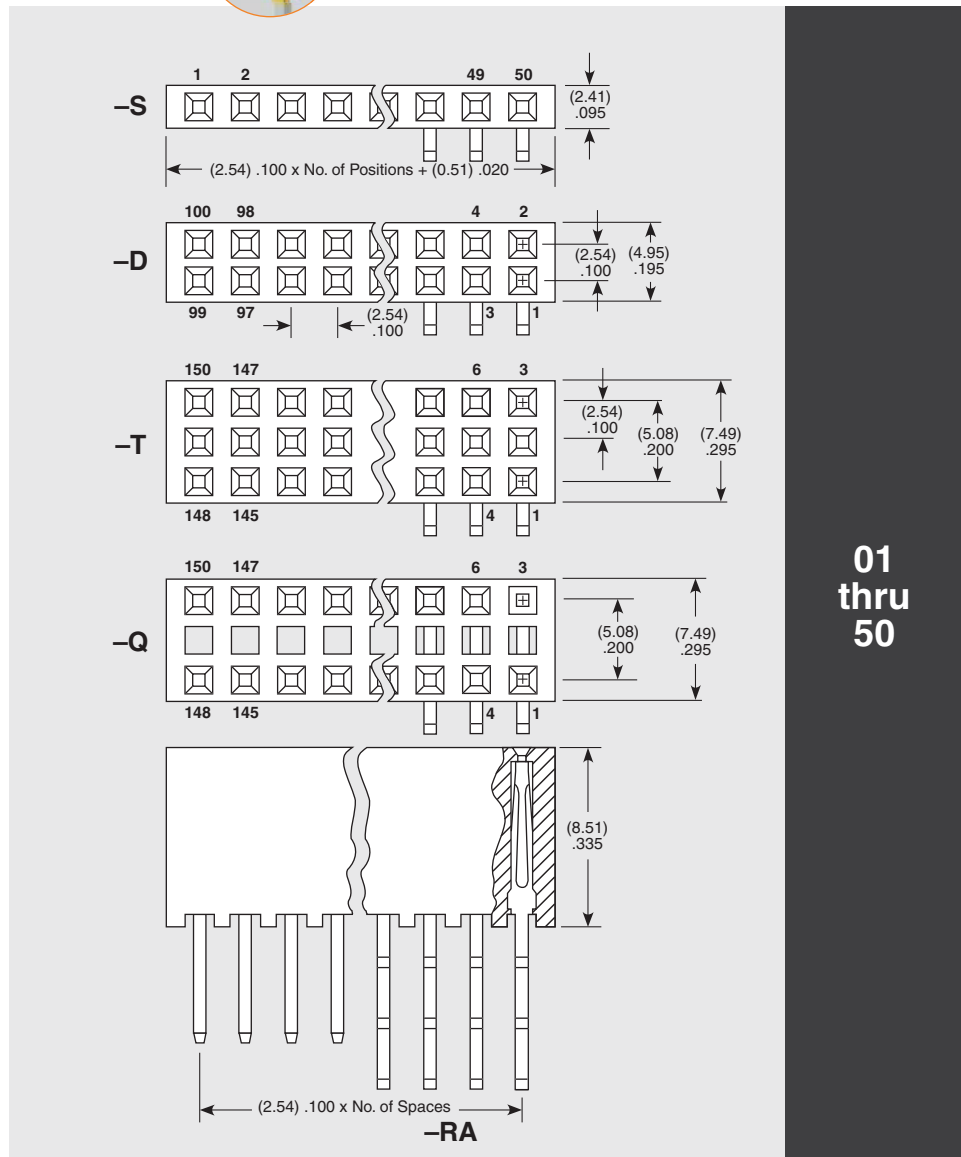
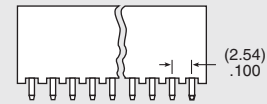
PIN CENTERS

NO. PINS PER ROW

A-SSW = Solder Tail

A-SSQ = Square Tail

-1 = (2.54 mm) .100" Centers

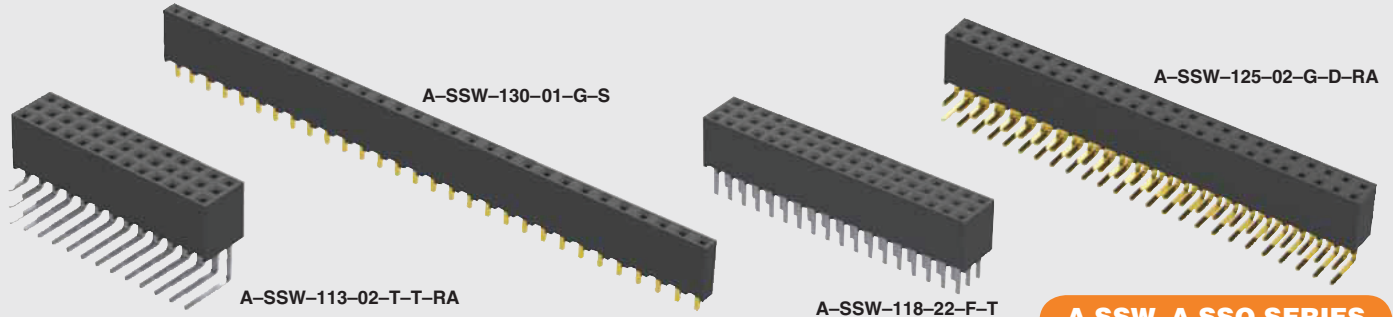


01 thru 50

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

WWW.SAMTEC.COM

Samtec shall only comport with ISO/TS 16949 on products it certifies as Automotive Custom Design ("ACD") or on those designated with "A-" in the Samtec part number prefix. These are the only Samtec parts approved for use in automotive applications.



A-SSW, A-SSQ SERIES

LEAD STYLE	PLATING OPTION	ROW OPTION	TAIL OPTION	OTHER OPTION
	<p>-F = Gold flash on contact, Matte Tin on tail</p> <p>-L = 10μ" (0.25 μm) Gold on contact, Matte Tin on tail</p> <p>-G = 20μ" (0.51 μm) Gold on contact, Gold flash on tail</p> <p>-T = Matte Tin (-T N/A on LIF contacts)</p>	<p>-S = Single Row</p> <p>-D = Double Row</p> <p>-T = Triple Row</p> <p>-Q = Double Row .200" (5.08 mm) row space (Outer rows filled only)</p>	<p>-RA = Right Angle (Leave blank for straight pin version)</p>	<p>-LL = Locking Lead</p> <p>Two leads per strip crimped in opposite directions on or near centerline. Available on tails from (2.29 mm) .090" to (7.87 mm) .310" only. N/A with single row 1 or 2 positions.</p>
<p>ALSO AVAILABLE (MOQ Required)</p> <ul style="list-style-type: none"> • Other platings • Notch option <p>Contact autosalesgroup@samtec.com</p>				

Straight Pin Versions (Specify "LEAD STYLE" from chart)

LEAD STYLE		SINGLE DOUBLE OR TRIPLE A
Standard Insertion Force	Low Insertion Force*	
-01	-21	(2.64) .104
-02	-22	(4.93) .194
-03	-23	(10.00) .394
-04	-24	(14.83) .584
-06**	N/A	(3.15) .124

* LIF N/A with Tin Plating
**Style -06 N/A with A-SSQ

Right Angle Versions (Specify "LEAD STYLE" from chart)

LEAD STYLE		SINGLE	DOUBLE	TRIPLE
Standard Insertion Force	Low Insertion Force*	(-S) A	(-D) A	(-T & -Q) A
-02	-22	(2.54) .100	(2.54) .100	(2.54) .100
-03	-23	(7.62) .300	(7.62) .300	N/A
-04	-24	(12.45) .490	N/A	N/A

*LIF N/A with Tin Plating

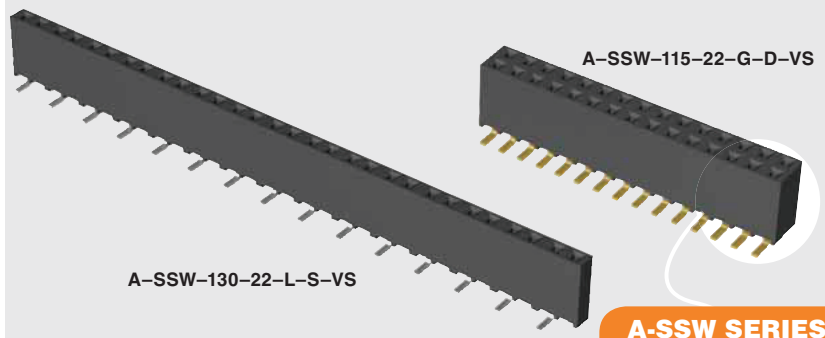
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(2.54 mm) .100"



A-SSW SERIES

SMT .025" SQ POST SOCKET

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?A-SSW

Insulator Material:
Black LCP

Contact Material:
Phosphor Bronze

Plating:

Au or Sn over
50µ" (1.27 µm) Ni

Current Rating (A-SSW/A-TSW):
5.7 A per pin
(1 pin powered per row)

Operating Temp Range:
-55°C to +125°C with Gold
-55°C to +105°C with Tin

Contact Resistance:
10 mΩ

Insertion Depth:
(3.68 mm) .145" to
(6.35 mm) .250"

Insertion Force:
(Single contact only)
3 oz (0.83 N) avg.

Withdrawal Force:
(Single contact only)
2.6 oz (0.72 N) avg.

Max Cycles:
100 with 10µ" (0.25 µm) Au

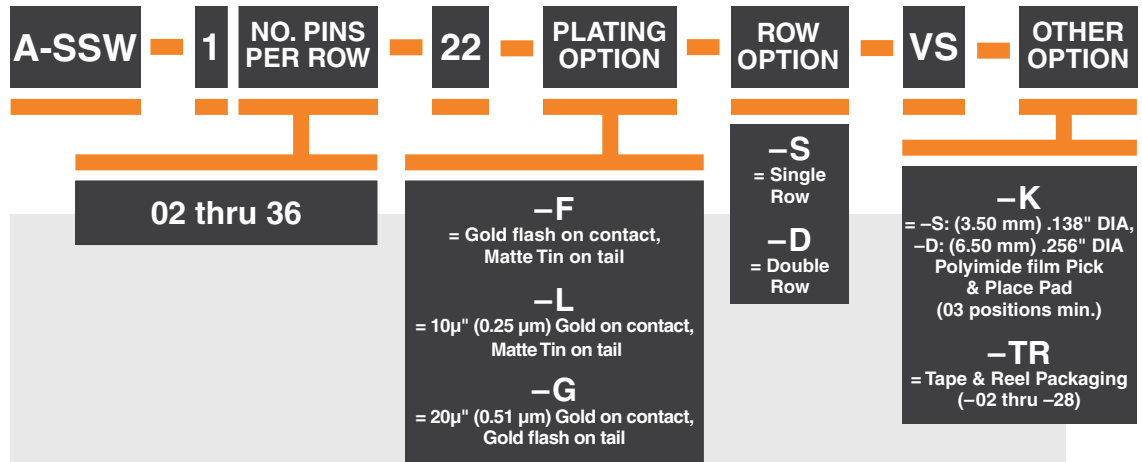
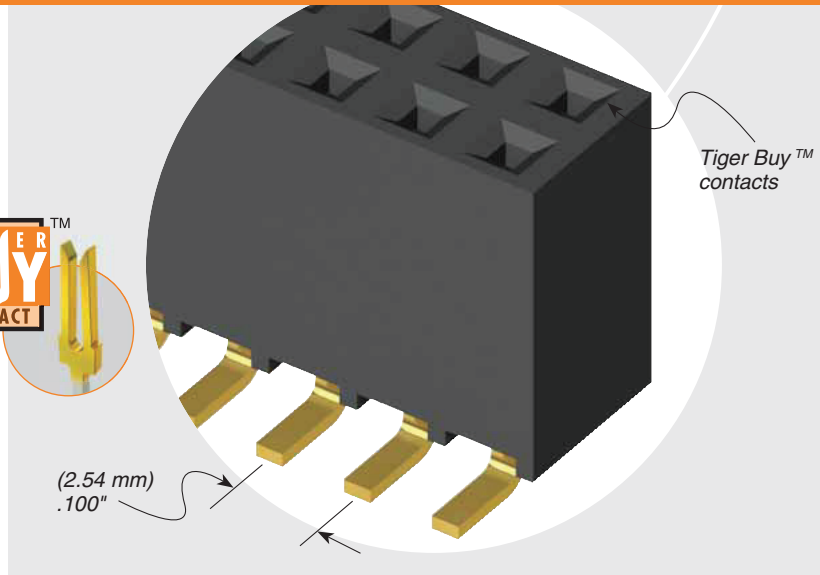
RoHS Compliant:
Yes

Processing:
Lead-Free Solderable:
Yes

SMT Lead Coplanarity:
(0.10 mm) .004" max

Mates With:

- A-TSW, A-MTSW,
- A-HTSW, A-HMTSW,
- A-MTLW, A-EW, A-ZW,
- A-TSS, A-HTSS, A-ZSS,
- A-TSM, A-DW, A-HW



RECOGNITIONS

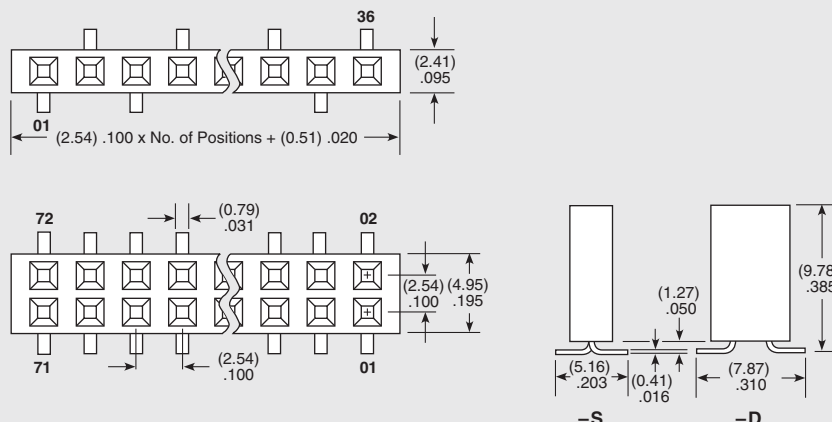
For complete scope of recognitions see www.samtec.com/quality



ALSO AVAILABLE (MOQ Required)

- Other platings
- Notch option

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