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F-215 (Rev 15APR16)



(2.54 mm) .100"

THROUGH-HOLE .025" SQ POST SOCKET

SPECIFICATIONS

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

Insulator Material:
Black Liquid Crystal Polymer (-S & -D) or
Black High Temperature Thermoplastic (-T)
Contact Material:
Phosphor Bronze
Plating:
Au or Sn over
50 µ" (1.27 µm) Ni
Current Rating (TSW/SSW):
5.7 A per pin
(1 pin powered per row)
Current Rating (SSQ/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);
SSW Low Insertion Force=
3 oz (0.83 N) avg
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);
SSW Low Insertion Force=
2.6 oz (0.72 N) avg
SSQ Low Insertion Force=
2.9 oz (0.81 N) avg
Max Cycles:
100 with 10 µ" (0.25 µm) Au
Voltage Rating:
550 VAC mated with TSW
RoHS Compliant:
Yes

PROCESSING

Lead–Free Solderable:
Yes:
-S and –D row option
Wave only:
-P, -T and -Q row option

RECOGNITIONS

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

FILE NO. E111594 FILE NO: 090871_0_000

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

Mates With:
TSW, MTSW, MTLW, EW, ZW, TSS, ZSS, TSM, TSSH, HTSS

TIGER BUY CONTACT™

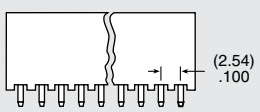


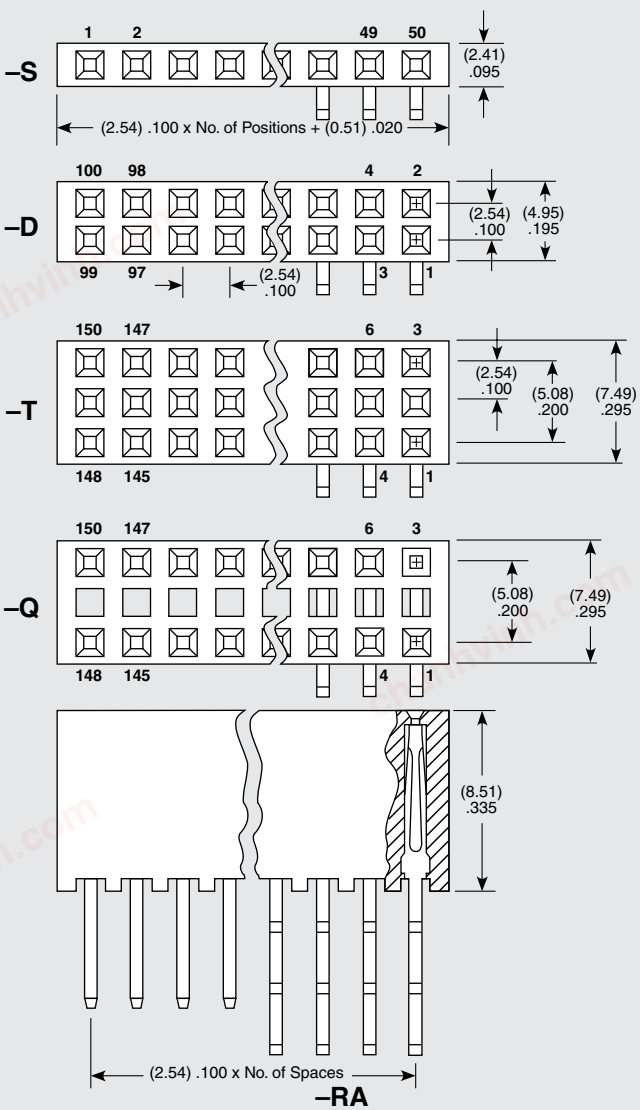
TYPE STRIP – **PIN CENTERS** – **NO. PINS PER ROW**

SSW = Solder Tail

SSQ = Square Tail

–1 = (2.54 mm) .100" Centers

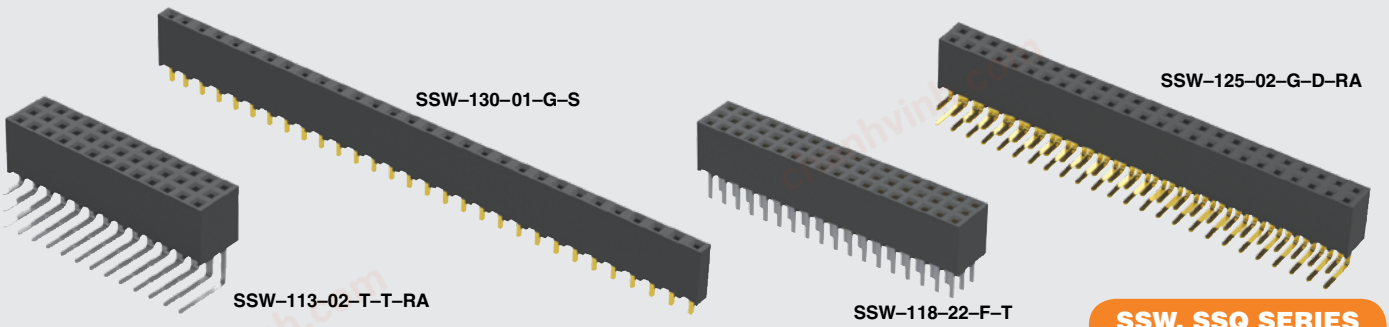




01 thru 50

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

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SSW, SSQ SERIES

LEAD STYLE

PLATING OPTION

–F
= Gold flash on contact, Matte Tin on tail

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

–G
= 20 µ" (0.51 µm) Gold on contact, Gold flash on tail

–T
= Matte Tin
(-T N/A on LIF contacts)

ROW OPTION

–S
= Single Row

–P
= Single Row
(Notched to mate with LCW)
36 pins max

–D
= Double Row

–T
= Triple Row

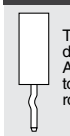
–Q
= Double Row
.200" (5.08 mm) row space
(Outer rows filled only)

TAIL OPTION

–RA
= Right-angle
(Leave blank for straight pin version)

OTHER OPTION

–LL
= Locking Lead



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.

–"XXX"
= Polarized
(Specify "XXX" as position number)

ALSO AVAILABLE
(MOQ Required)

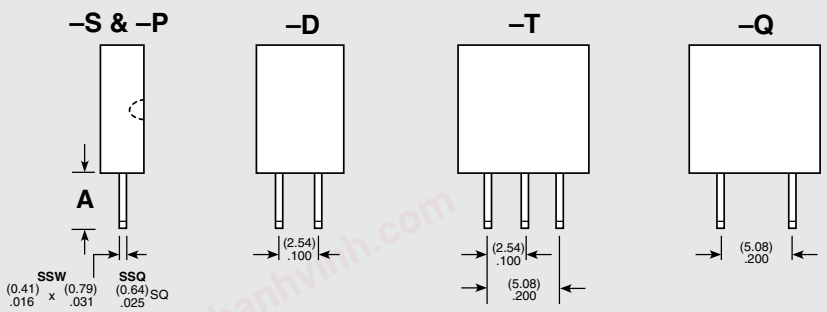
- Other platings
- Notch option

Contact Samtec.

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

LEAD STYLE		SINGLE DOUBLE OR TRIPLE
Standard Insertion Force	Low Insertion Force*	A
–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

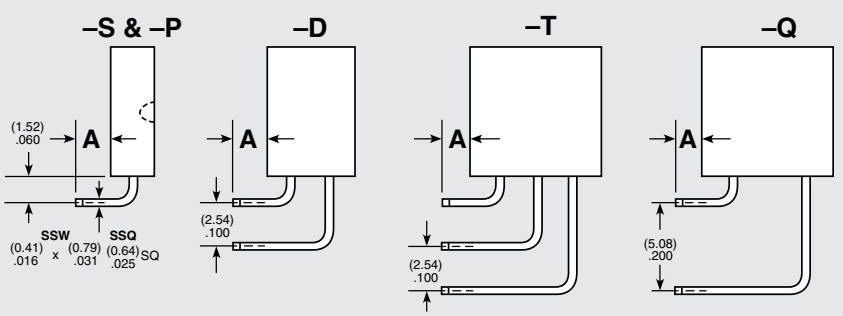
* LIF N/A with Tin Plating
**Style –06 N/A with SSQ



Right-angle Versions (Specify "LEAD STYLE" from chart)

LEAD STYLE		SINGLE	DOUBLE	TRIPLE
Standard Insertion Force	Low Insertion Force*	(–S & –P) A	(–D) A	(–T & –Q) A
–01	–22	(2.54) .100	(2.54) .100	(2.54) .100
–02	– 23	(7.62) .300	(7.62) .300	N/A
–03	–24	(12.45) .490	N/A	N/A

*LIF N/A with Tin Plating



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