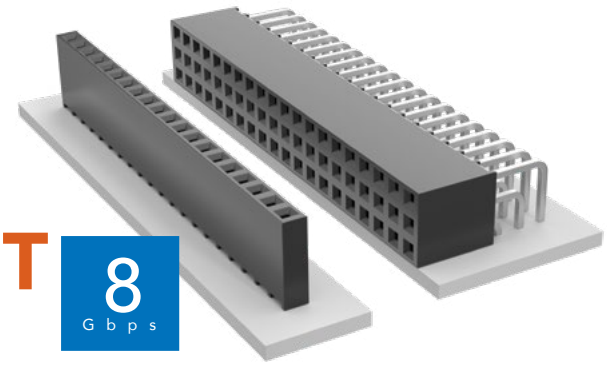
THE DATASHEET OF

SSQ-142-03-S-D

TIGER BUY™ CONTACT

THROUGH-HOLE .025" SQ POST SOCKET



8 Gbps

(2.54 mm) .100" PITCH • SSW/SSQ SERIES

SSW/SSQ
Mates:
TSW, MTSW, MTLW, DW, EW, ZW, TSS, ZSS, TSM, TSSH, HTSS

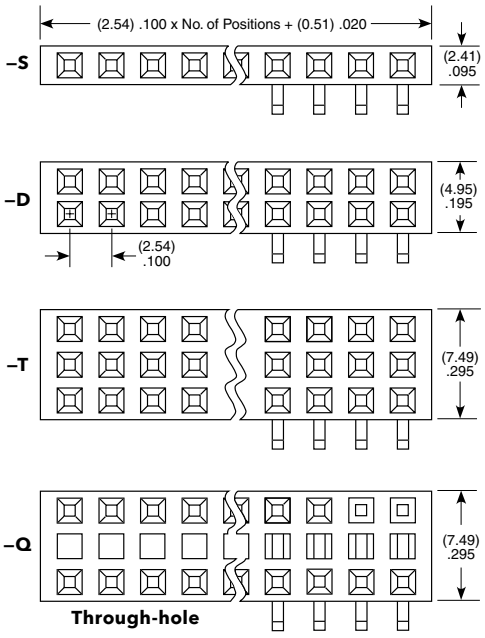
SPECIFICATIONS

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 (SSW/TSM):
4.7 A per pin
(2 pins powered)
Current Rating (SSQ/TSW):
6.3 A per pin
(2 pins powered)
Operating Temp Range:
-55 °C to +125 °C with Gold
-55 °C to +105 °C with Tin
Insertion Depth:
(3.68 mm) .145" to
(6.35 mm) .250"
Max Cycles:
100 with 10 µ" (0.25 µm) Au
Voltage Rating:
465 VAC / 655 VDC

PROCESSING

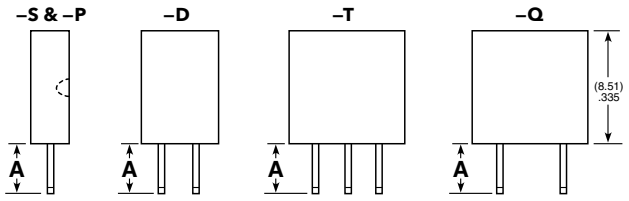
Lead–Free Solderable:
Yes:
-S and -D row option
No, Lead Wave only:
-P, -T and -Q row option

SERIES	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	TAIL OPTION	OTHER OPTION
SSW = Solder Tail **SSQ** = Square Tail		01 thru 50	Specify LEAD STYLE from chart	**–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)	**–S** = Single Row **–P** = Single Row (36 pins max **–D** = Double Row **–T** = Triple Row **–Q** = Double Row .200" (5.08 mm) row space (outer rows filled only)	Leave blank for straight pin version) **–RA** = Right-angle	**–LL** = Locking Lead Available on tails from (2.29 mm) .090" to (7.87 mm) .310" only. Not Available with single row 1 or 2 positions) **"XXX"** = Polarized (Specify "XXX" as position number)



THROUGH-HOLE		
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

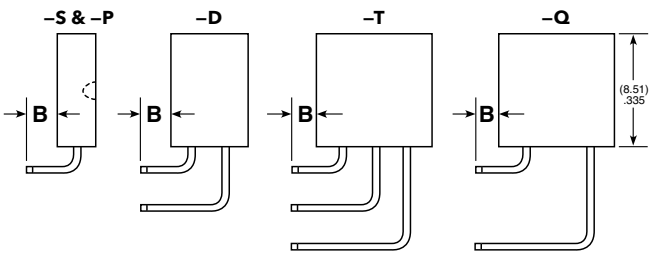
* LIF not available with Tin Plating
**Style –06 Not available with SSQ



Straight Pin Versions

RIGHT-ANGLE				
LEAD STYLE		SINGLE	DOUBLE	TRIPLE
Standard Insertion Force	Low Insertion Force*	(–S)	(–D)	(–T & –Q)
		B	B	B
–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 not available with Tin Plating



Right-angle Versions

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

samtec.com?SSW or samtec.com?SSQ

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.

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