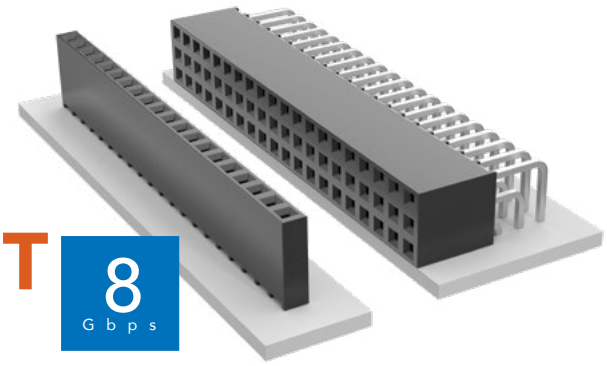
THE DATASHEET OF

SSW-109-01-G-S

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

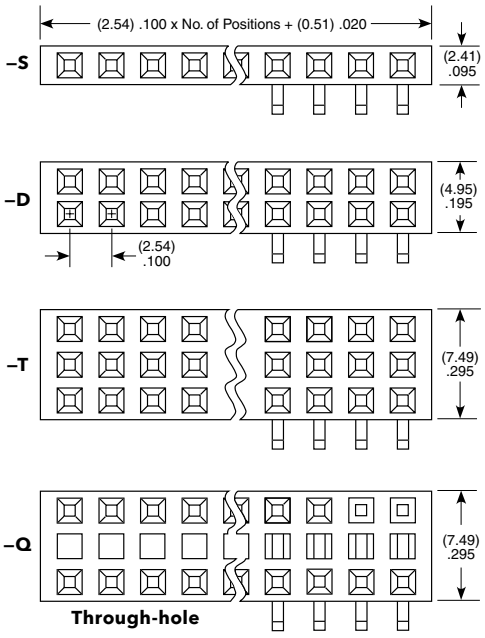
SPECIFICATIONS

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

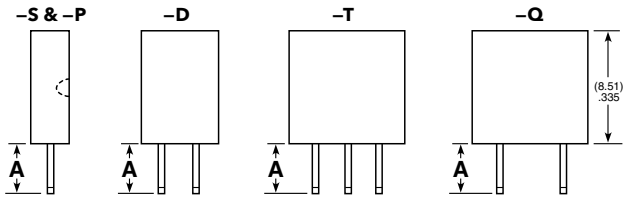
Lead–Free Solderable:
Yes:
-S and -D row option
No, Lead Wave only:
-P, -T and -Q row option

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

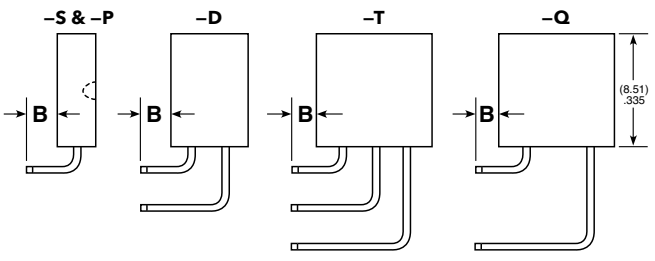
* LIF not available with Tin Plating
**Style –06 Not available with SSQ



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.

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- View SSW-109-01-G-S on WIN SOURCE
- Samtec Inc. Information

Optimize Your Supply Chain with WIN SOURCE Solutions

- Global Sourcing Solution
- Obsolete Management
- Cost Control Management
- Shortage Management
- Alternative Solution
- Excess Inventory Management