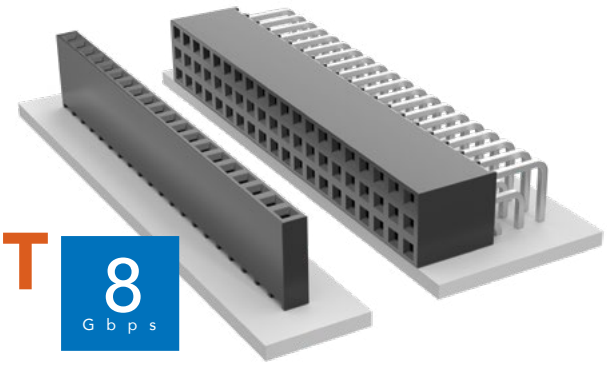
# THE DATASHEET OF

# SSQ-129-22-F-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

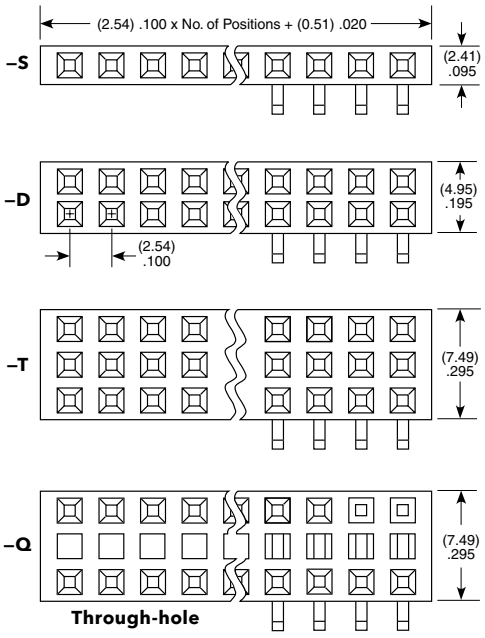
## SPECIFICATIONS

**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

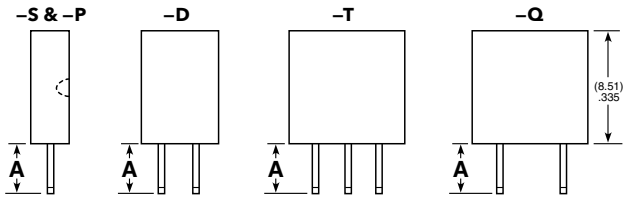
**Lead–Free Solderable:**
Yes:
-S and -D row option
No, Lead Wave only:
-P, -T and -Q row option

| SERIES | 1 | NO. PINS PER ROW | LEAD STYLE | PLATING OPTION | ROW OPTION | TAIL OPTION | OTHER OPTION |
|---|---|---|---|---|---|---|---|
| **SSW** = Solder Tail<br>**SSQ** = Square Tail | | 01 thru 50 | Specify LEAD STYLE from chart | **–F** = Gold flash on contact, Matte Tin on tail<br>**–L** = 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail<br>**–G** = 20 µ" (0.51 µm) Gold on contact, Gold flash on tail<br>**–T** = Matte Tin (-T N/A on LIF contacts) | **–S** = Single Row<br>**–P** = Single Row (36 pins max<br>**–D** = Double Row<br>**–T** = Triple Row<br>**–Q** = Double Row .200" (5.08 mm) row space (outer rows filled only) | Leave blank for straight pin version)<br>**–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)<br>**"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 |

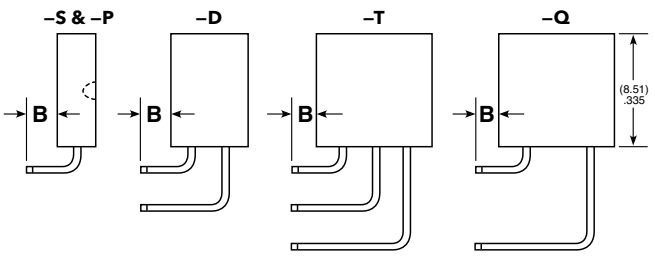
* LIF not available with Tin Plating
**Style –06 Not available with SSQ




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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