

# Through Hole SMT **.025"sq** TERMINAL STRIPS TSW SERIES

Mates with:  
SSW, SSQ, ESW, ESQ,  
BCS, BSW, IDSD, IDSS,  
CES, SLW

### SPECIFICATIONS

For complete specifications see [www.samtec.com?TSW](http://www.samtec.com?TSW)

### TSW

**Insulator Material:**  
Black Glass Filled Polyester

**Terminal Material:**  
Phosphor Bronze

**Operating Temp Range:**  
-65°C to +125°C with Gold  
-65°C to +105°C with Tin



**Plating:**  
Au or Sn over 50µ" (1.27µm) Ni

**Voltage Rating:**  
550 VAC mated with SSW;  
500 VAC mated with BCS or ESQ;  
450 VAC -RA/-RE mated with BCS or SSM

### SPECIFICATIONS

For complete specifications see [www.samtec.com?HTSW](http://www.samtec.com?HTSW)

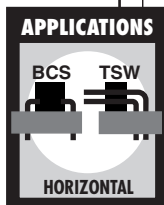
### HTSW

Same as TSW except:  
**Insulator Material:**  
Natural Liquid Crystal Polymer

**Max Processing Temp:**  
230°C for 30 to 60 seconds



CURRENT RATING	
AMBIENT TEMPERATURE	TSW mated with SSW
20°C	7A
40°C	6A
60°C	4A
80°C	3A



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

TYPE STRIP	PIN CENTERS	NO. PINS PER ROW
<p><b>TSW</b> = Standard Strip</p> <p><b>HTSW</b> = Hi-Temp Strip</p>	<p><b>-1</b> = .100" (2.54mm) Centers, All Positions Filled</p>	<p><b>-2</b> = .200" (5.08 mm) Centers, Every Other Position Filled</p>

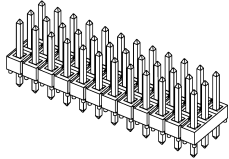
Version	Dimensions	Pin Style
Straight Pin Versions		-S
		-D
		-T
		-Q
Right Angle Versions		-S
		-D
		-T
		-Q

**01 thru 50**  
= .100" (2.54mm) Center Version

**02 thru 25**  
= .200" (5.08mm) Center Version

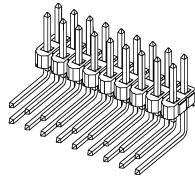
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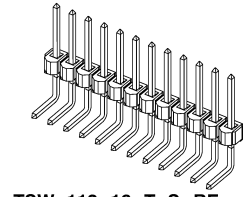
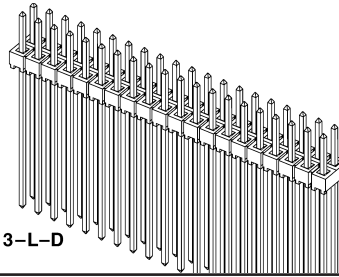


TSW-112-07-G-T

TSW-109-09-S-D-RA



TSW-120-13-L-D



TSW-112-16-T-S-RE

**LEAD STYLE**

**PLATING OPTION**

**ROW OPTION**

**OTHER OPTIONS**

**ALSO AVAILABLE**

**-G**

= 10µ" (0,25µm) Gold on contact area, Gold flash on balance

**-F**

= Gold flash on contact area, Tin on tail

**-L**

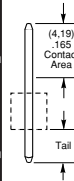
= 10µ" (0,25µm) Gold on contact area, Tin on tail

**-S**

= 30µ" (0,76µm) Gold on contact area, Tin on tail

**-T**

= Tin



**-S**  
= Single Row

**-D**  
= Double Row

**-T**  
= Triple Row

**-Q**  
= Double Row (5,08mm) .200" row space

**-RA or -RE**  
= Right Angle

**-LL**

Two leads per strip crimped in opposite directions on or near centerline. See charts for available styles. N/A with single row 1 or 2 positions. Recommended hole size (1,02mm ± 0,03mm) .040" ± .001"

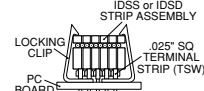
**-LA**  
= -RA Option with -LL Option

**-“XXX”**

= Polarized Position

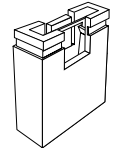
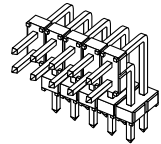
**-LC**

= Locking Clip (Styles -08 thru -13 & -22 only)



Requires 4 pin minimum (NA with -T, -Q, -RA or -RE)

Elevated Right Angle option. Call Samtec.



Shunts See SNT Series

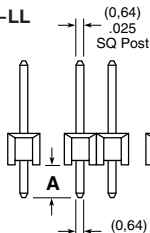
**Straight Pin Versions**

(Specify "LEAD STYLE" from chart)

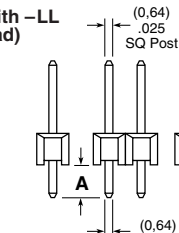
STYLE	A	B	C
* -05	(3,30) .130	(8,51) .335	(2,67) .105
* -06	(2,41) .095	(7,62) .300	(2,67) .105
* -07	(2,54) .100	(10,92) .430	
* -08	(5,08) .200	(13,46) .530	
* -09	(10,16) .400	(18,54) .730	(5,84) .230
* -10	(12,70) .500	(21,08) .830	
* -11	(15,24) .600	(23,62) .930	
* -12	(17,78) .700	(26,16) 1.030	
* -13	(22,86) .900	(31,24) 1.230	
* -14	(2,79) .110	(13,46) .530	(8,13) .320
* -15		(18,54) .730	(13,21) .520
* -16	(7,87) .310		(8,13) .320
* -17	(2,79) .110	(21,08) .830	(15,74) .620

STYLE	A	B	C
* -18		(23,62) .930	(18,29) .720
* -19	(2,79) .110	(26,16) 1.030	(20,83) .820
* -20		(31,24) 1.230	(25,91) 1.020
* -21		(36,32) 1.430	(30,99) 1.220
* -22	(7,62) .300	(16,00) .630	(5,84) .230
* -23	(2,92) .115	(11,30) .445	(6,73) .265
* -24		(12,15) .480	(6,73) .265
* -25	(5,33) .210	(16,00) .630	(8,13) .320
* -26	(3,20) .126	(11,58) .456	
* -27	(25,40) 1.000	(33,78) 1.330	(5,84) .230
* -28	(20,32) .800	(28,70) 1.130	
* -29	(23,11) .910	(33,78) 1.330	(8,13) .320
* -30	(18,03) .710	(28,70) 1.130	
* -41+	(0,89) .035	(9,27) .365	(5,84) .230
* -42+	(1,27) .050	(11,94) .470	(6,13) .320

\*Available with -LL (Locking Lead) Option



Specify -07 for best mate with IDXX Series IDC Cable



\*\*Except: Style -26 (0,46) .018 DIA Tail

+ Style -41 & -42 available with HTSW only.

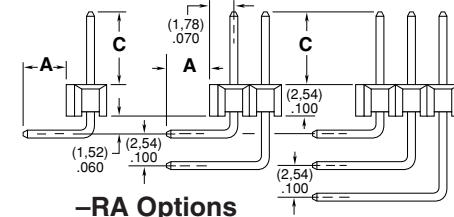
**Right Angle Versions**

(Specify "LEAD STYLE" from chart)

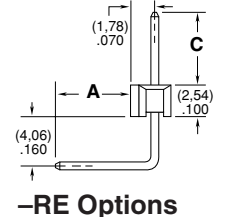
-RA LEAD STYLE	SINGLE (-S)		DOUBLE (-D)		TRIPLE (-T & -Q)	
	A	C	A	A	A	A
* -08	(2,29) .090		(2,29) .090	(2,29) .090		
* -09	(7,37) .290		(7,37) .290	(7,37) .290		
* -10	(9,91) .390	(5,84) .230	(9,91) .390	(9,91) .390		
* -11	(12,45) .490		(12,45) .490	(12,45) .490		
* -12	(14,99) .590		(14,99) .590	(14,99) .590		
* -13	(20,07) .790		(20,07) .790	N/A		
* -16	(5,08) .200	(8,13) .320	(5,08) .200	(5,08) .200		
* -21	(25,15) .990	(5,84) .230	N/A	N/A		
* -22	(4,83) .190		(4,83) .190	(4,83) .190		
* -25	(2,54) .100	(8,13) .320	(2,54) .100	(2,54) .100		
* -27	(22,61) .890	(5,84) .230	N/A	N/A		
* -28	(17,53) .690		(17,53) .690	N/A		
* -29	(20,32) .800	(8,13) .320	N/A	N/A		
* -30	(15,24) .600		(15,24) .600			

-RE LEAD STYLE	SINGLE A	C
* -09	(4,83) .190	
* -10	(7,37) .290	
* -11	(9,91) .390	(5,84) .230
* -12	(12,45) .490	
* -13	(17,53) .690	
* -16	(2,54) .100	(8,13) .320
* -21	(22,61) .890	
* -22	(2,29) .090	(5,84) .230
* -27	(20,07) .790	
* -28	(14,99) .590	

\*Available with -LA (Locking Lead) Option



-RA Options



-RE Options

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