



(2,54 mm) .100"



# THROUGH-HOLE .025" SQ POST HEADER

**Mates with:**

SSW, SSQ, SSM, ESW, ESQ, BCS, BSW, CES, SLW, IDSD, IDSS, SMSD, SMSS

**SPECIFICATIONS**

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

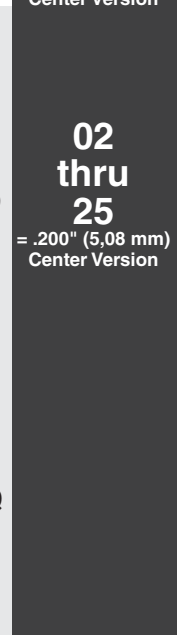
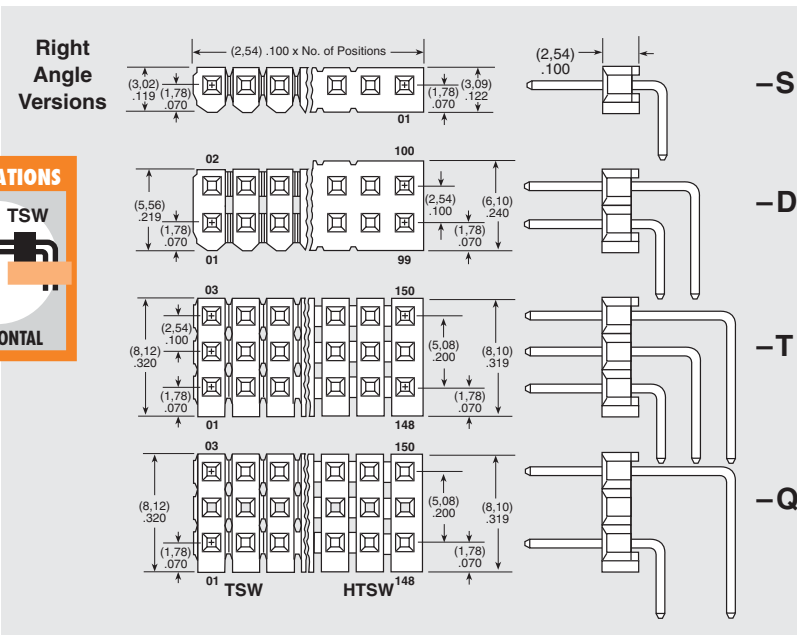
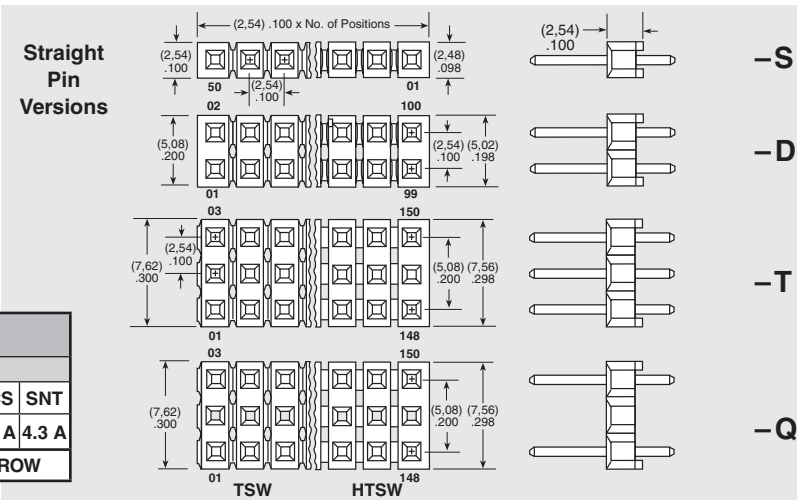
**Insulator Material:**  
 TSW: Black Glass Filled Polyester  
 HTSW: Natural Liquid Crystal Polymer  
**Terminal Material:**  
 Phosphor Bronze  
**Plating:**  
 Au or Sn over 50µ" (1,27 µm) Ni

**Operating Temp Range:**  
 -55°C to +125°C with Gold  
 -55°C to +105°C with Tin

**Voltage Rating:**  
 550 VAC mated with SSW;  
 500 VAC mated with BCS or ESQ;  
 450 VAC -RA/-RE mated with BCS or SSM  
 400 VAC mated with CES  
**RoHS Compliant:** Yes  
**Lead-Free Solderable:**  
 Wave Only

CURRENT RATING (PER PIN)						
TSW mated with						
ESW	SSW	SLW	SSQ	SSM	BCS	SNT
5.2 A	5.7 A	5.2 A	6.3 A	5.2 A	4.6 A	4.3 A
1 POSITION POWERED PER ROW						

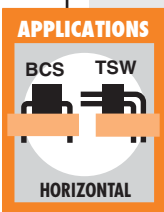
<b>TYPE STRIP</b>	<b>PIN CENTERS</b>	<b>NO. PINS PER ROW</b>
<b>TSW</b> = Standard Strip	<b>-1</b> = .100" (2,54 mm) Centers, All Positions Filled	<b>01 thru 50</b> = .100" (2,54 mm) Center Version
<b>HTSW</b> = Hi-Temp Strip	<b>-2</b> = .200" (5,08 mm) Centers, Every Other Position Filled	



**02 thru 25**  
= .200" (5,08 mm) Center Version

**RECOGNITIONS**

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)

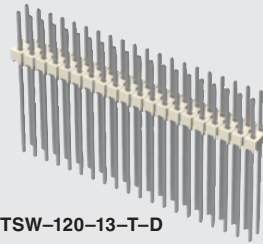
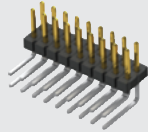


**ALSO AVAILABLE (MOQ Required)**

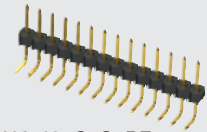
- Other platings
- Contact Samtec.

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

TSW-109-10-F-D-RA

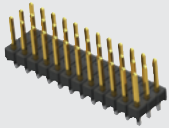


HTSW-120-13-T-D



TSW-114-16-G-S-RE

TSW-112-07-G-T



**TSW, HTSW SERIES**

**LEAD STYLE**

**PLATING OPTION**

**ROW OPTION**

**OTHER OPTIONS**

**-F**

= Gold flash on post, Matte Tin on tail

**-L**

= 10µ" (0,25 µm) Gold on post, Matte Tin on tail

**-G**

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

**-T**

= Matte Tin

**-S**

= Single Row

**-D**

= Double Row

**-T**

= Triple Row

**-Q**

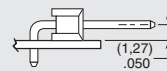
= Double Row (5,08 mm) .200" row space

**-RA or -RE**

= Right Angle

**-NA**

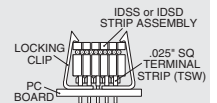
= Right Angle (using straight body for coplanar mating with SSW-RA series)



(1,27) .050

**-LC**

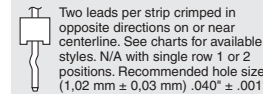
= Locking Clip (Styles -08 thru -13 & -22 only)



IDSS or IDSD STRIP ASSEMBLY  
LOCKING CLIP  
PC BOARD  
.025" SQ TERMINAL STRIP (TSW)  
Requires 4 pin minimum (NA with -T, -Q, -RA or -RE)

**-LL**

= Locking Lead



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 (1,02 mm ± 0,03 mm) .040" ± .001"

**-LA**

= -RA Option with -LL Option

**-"XXX"**

= Polarized Position

**OTHER SOLUTIONS**

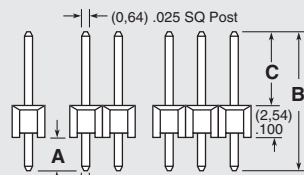
- Elevated Right Angle option
- Shunts
- Contact Samtec

**Straight Pin Versions**

(Specify "LEAD STYLE" from chart)

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

\* Available with -LL (Locking Lead) Option



Specify -07 for best mate with IDXX Series IDC Cable

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

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

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

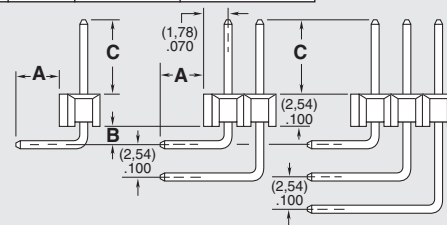
**Right Angle Versions**

(Specify "LEAD STYLE" from chart and select -RA or -RE from other options)

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

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

\* Available with -LA (Locking Lead) Option



LEAD STYLE	B
-RA	(1,52)
	.060
-RE	(4,06)
	.160