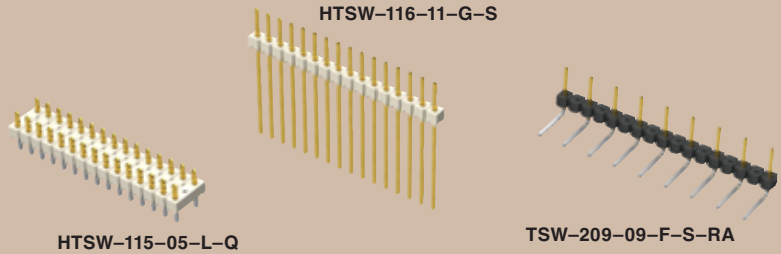




(2,54 mm) .100"



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 or www.samtec.com?TSW

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						

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

Straight Pin Versions

Dimensions: (2,54) .100 x No. of Positions, (2,48) .098, (5,08) .200, (7,62) .300, (2,54) .100, (5,02) .198, (7,56) .298, (5,08) .200, (7,56) .298.

Pin Configurations: -S, -D, -T, -Q

Material: TSW, HTSW

01 thru 50
= .100" (2,54 mm) Center Version

Right Angle Versions

Dimensions: (3,02) .119, (1,78) .070, (3,09) .122, (5,56) .219, (2,54) .100, (6,10) .240, (8,12) .320, (5,08) .200, (8,10) .319, (8,12) .320, (5,08) .200, (8,10) .319.

Pin Configurations: -S, -D, -T, -Q

Material: TSW, HTSW

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

RECOGNITIONS
For complete scope of recognitions see www.samtec.com/quality



APPLICATIONS

BCS TSW

HORIZONTAL

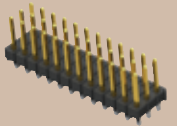
ALSO AVAILABLE (MOQ Required)

- Other platings
- Contact Samtec.

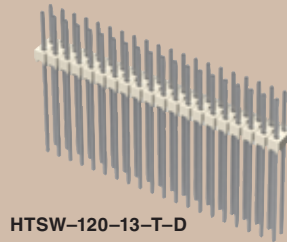
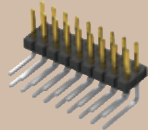
Note: Some lengths, styles and options are non-standard, non-returnable.

Due to technical progress, all designs, specifications and components are subject to change without notice.

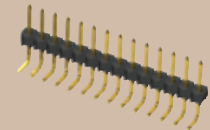
TSW-109-10-F-D-RA



TSW-112-07-G-T



HTSW-120-13-T-D



TSW-114-16-G-S-RE

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

OTHER SOLUTIONS

- Elevated Right Angle option
- Shunts
- Contact Samtec

-S

= Single Row

-D

= Double Row

-T

= Triple Row

-Q

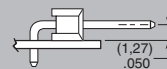
= Double Row (5,08 mm) .200" row space

-RA or -RE

= Right Angle

-NA

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



(1,27) .050

-LL

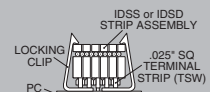
= Locking Lead



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"

-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)

-LA

= -RA Option with -LL Option

-"XXX"

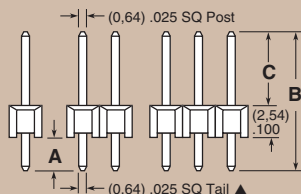
= Polarized Position

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	
-10	(12,70) .500	(21,08) .830	(5,84) .230
-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

* Available with -LL (Locking Lead) Option



Specify -07 for best mate with IDXX Series IDC Cable

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	
* -24	(5,33) .210	(12,15) .480	(6,73) .265
* -25	(3,20) .126	(16,00) 1,130	(8,13) .320
▲ -26	(25,40) 1,000	(33,78) 1,330	(5,84) .230
-27	(20,32) .800	(28,70) 1,130	
-28	(23,11) .910	(33,78) 1,330	(8,13) .320
-29	(18,03) .035	(28,70) 1,130	
-30	(0,89) .035	(9,27) .365	(5,84) .230
+ -41	(1,27) .050	(11,94) .470	(8,13) .320

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

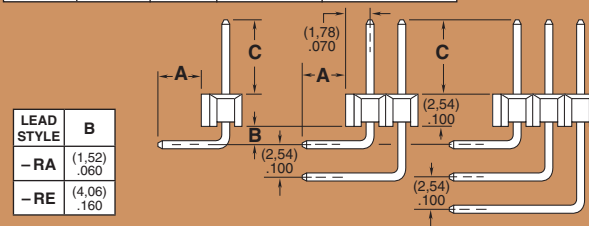
▲ Except: Style -26 (0,46) .018 DIA Tail

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

* Available with -LA (Locking Lead) Option



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

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