



(2.54 mm) .100"

THROUGH-HOLE .025" SQ POST HEADER

Board Mates:
SSW, SSQ, SSM, ESW, ESQ, BCS, BSW, CES, SLW

Cable Mates:
IDSD, IDSS

SPECIFICATIONS

For complete specifications see www.samtec.com?TSW or 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 50 μm (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:
HTSW: Yes
TSW: No, Lead 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
2 POSITIONS POWERED						

RECOGNITIONS

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



ALSO AVAILABLE
(MOQ Required)

- Other platings

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

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

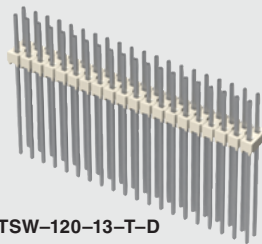
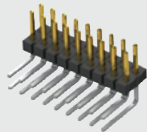
Right-Angle Versions

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

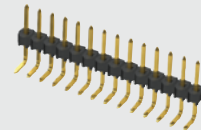
02 thru 25
= .200" (5.08 mm) Center Version

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

TSW-109-10-F-D-RA

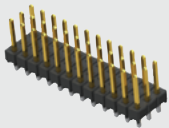


HTSW-120-13-T-D



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

= 10 μ" (0.25 μm) Gold on post, Matte Tin on tail

-G

= 10 μ" (0.25 μm) Gold on post, Gold flash on balance

-T

= Matte Tin

-S

= Single Row

-D

= Double Row

-T

= Triple Row

-Q

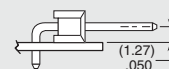
= Double Row (5.08 mm) .200" row space

-RA or -RE

= Right-angle

-NA

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



-LL

= Locking Lead



-LC

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



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

-LA

= -RA Option with -LL Option

-“XXX”

= Polarized Position

OTHER SOLUTIONS

- Elevated Right-angle option
- Shunts

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

* 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		(12.15) .490	(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	(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)
	A	C	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	
-28	(17.53) .690		(17.53) .690	
-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



LEAD STYLE	B
-RA	(1.52) .060
-RE	(4.06) .160

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

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Headers & Wire Housings](#) category:

Click to view products by [Samtec](#) manufacturer:

Other Similar products are found below :

[95000-104TRLF](#) [10135584-644402LF](#) [DF62W-EP2022PCA](#) [95000-106TRLF](#) [DF62W-2022SCA](#) [DF62W-EP2022PC](#) [2203348](#) [DF62W-2022SC](#) [1084018](#) [1029039](#) [1084017](#) [802-10-012-10-002000](#) [1112640](#) [1112639](#) [000-34000](#) [0009482033](#) [0009507031](#) [57102-S06-03LF](#) [57202-S52-04LF](#) [PCN6-15S-2.5E](#) [0039019024](#) [58102-G61-06LF](#) [582553-1](#) [0009485154](#) [0009508121](#) [0022285053](#) [0050291907](#) [018731A](#) [LY20-4P-DT1-P1E-BR](#) [02.125.8002.8](#) [60101931](#) [60598-1 \(Cut Strip\)](#) [M1625-3R/100](#) [61062-3](#) [61082-181009](#) [636-1427](#) [638009-1](#) [641938-9](#) [641991-4](#) [644168-1](#) [647662-1](#) [65039-019ELF](#) [65817-002LF](#) [65817-015LF](#) [65863-015LF](#) [66207-023LF](#) [67016-026LF](#) [67046-001LF](#) [67095-007LF](#) [67230-005LF](#)