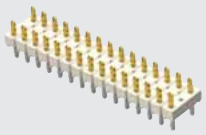
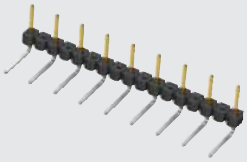
samtec

E.L.P.™
EXTENDED LIFE PRODUCT
10 year Mixed Flowing Gas with 30µ" Gold
Call Samtec for maximum mated cycles


HTSW–115–05–L–Q

HTSW–116–11–G–S


TSW–209–09–F–S–RA

(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?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:
HTSW: Yes
TSW: 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						

RECOGNITIONS

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

FILE NO. E111594
FILE NO: 090871_0_000

APPLICATIONS
BCS TSW
HORIZONTAL

ALSO AVAILABLE (MOQ Required)

- Other platings
  Contact Samtec.

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

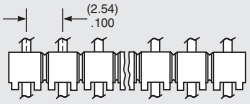
TYPE STRIP

TSW = Standard Strip

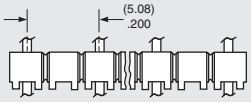
HTSW = Hi-Temp Strip

PIN CENTERS

–1 = .100" (2.54 mm) Centers, All Positions Filled

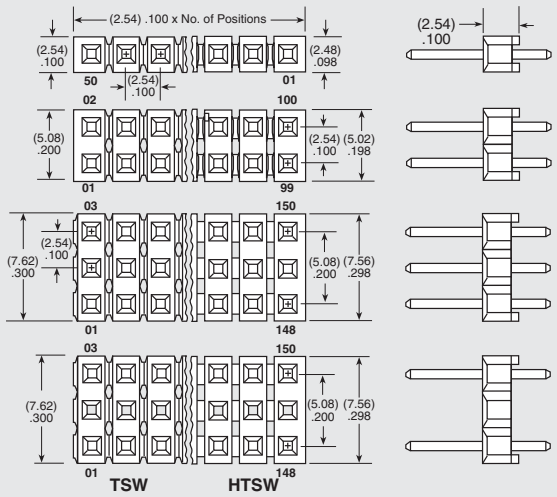


–2 = .200" (5.08 mm) Centers, Every Other Position Filled



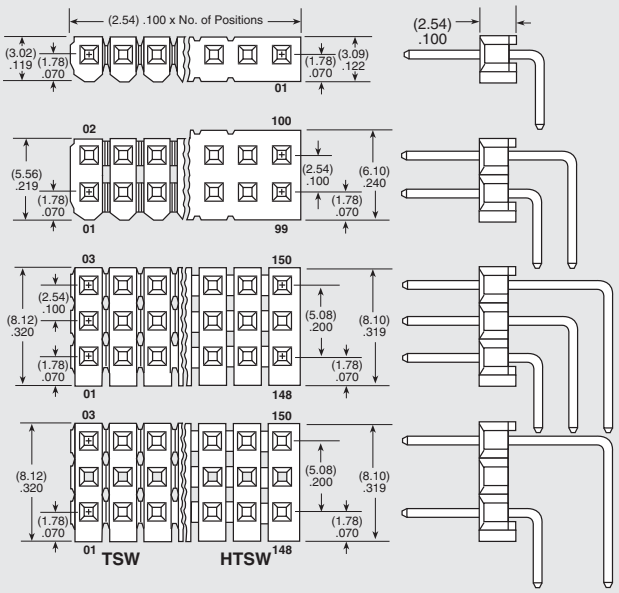
NO. PINS PER ROW

Straight Pin Versions



–S
–D
–T
–Q

Right Angle Versions

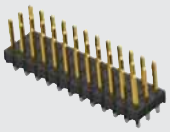


–S
–D
–T
–Q

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

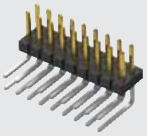
02 thru 25
= .200" (5.08 mm) Center Version

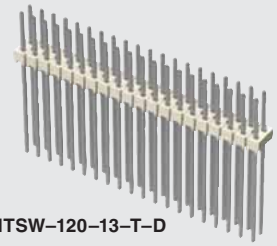
Due to technical progress, all designs, specifications and components are subject to change without notice.



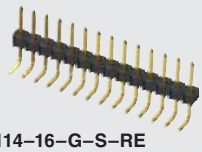
TSW–112–07–G–T

TSW–109–10–F–D–RA





HTSW–120–13–T–D



TSW–114–16–G–S–RE

LEAD STYLE

PLATING OPTION

–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

ROW OPTION

–S
= Single Row

–D
= Double Row

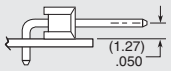
–T
= Triple Row

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

OTHER OPTIONS

– RA or –RE
= Right Angle

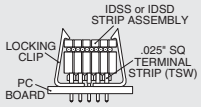
–NA
= Right Angle (using straight body for coplanar mating with SSW-RA series)



–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)



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)

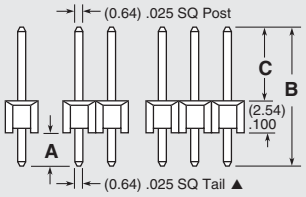
	STYLE	A	B	C
*	– 05	(3.30) .130	(8.51) .335	(2.67) .105
*	– 06	(2.41) .095	(7.62) .300	(2.67) .105
*	– 07	(2.54) .100	(10.92) .430	(5.84) .230
*	– 08	(5.08) .200	(13.46) .530	
	– 09	(10.16) .400	(18.54) .730	
	– 10	(12.70) .500	(21.08) .830	
	– 11	(15.24) .600	(23.62) .930	
	– 12	(17.78) .700	(26.16) 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

	STYLE	A	B	C
*	– 18	(2.79) .110	(23.62) .930	(18.29) .720
*	– 19		(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) .480	(6.73) .265
*	– 25	(5.33) .210	(16.00) .630	(8.13) .320
▲	– 26	(3.20) .126	(11.58) .456	(5.84) .230
	– 27	(25.40) 1.000	(33.78) 1.330	
	– 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



Specify -07 for best mate with IDXX Series IDC Cable

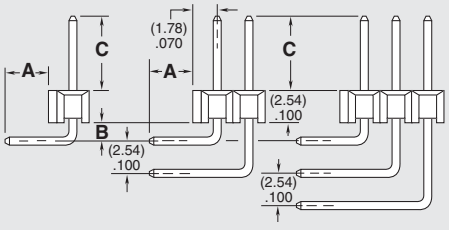
Right Angle Versions
(Specify "LEAD STYLE" from chart and select –RA or –RE from other options)

	–RA LEAD STYLE	SINGLE (–S) A	SINGLE (–S) C	DOUBLE (–D) A	TRIPLE (–T & –Q) A
	– 08	(2.29) .090	(5.84) .230	(2.29) .090	(2.29) .090
	– 09	(7.37) .290		(7.37) .290	(7.37) .290
	– 10	(9.91) .390		(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	
	– 29	(20.32) .800	(8.13) .320	N/A	
	– 30	(15.24) .600		(15.24) .600	

– RE LEAD STYLE	SINGLE A	C
– 09	(4.83) .190	(5.84) .230
– 10	(7.37) .290	
– 11	(9.91) .390	
– 12	(12.45) .490	
– 13	(17.53) .690	
– 16	(2.54) .100	(8.13) .320
– 21	(22.61) .890	(5.84) .230
– 22	(2.29) .090	
– 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



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