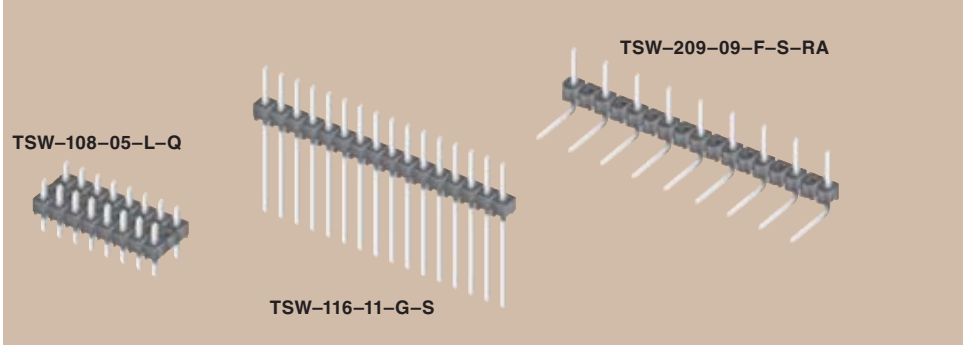
samtec



(2,54mm) .100"

TSW, HTSW SERIES

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

TSW

Insulator Material:
Black Glass Filled Polyester
Terminal Material:
Phosphor Bronze
Plating:
Au or Sn over 50µ" (1,27µm) 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
RoHS Compliant:
Yes
Lead–Free Solderable:
Wave Only

FILE NO. E111594

CURRENT RATING						
AMBIENT TEMP	TSW mated with					
	ESW	SSW	SLW	SSQ	SSM	BCS
20°C	6.9A	6.9A	7.1A	7.6A	6.9A	5.9A
40°C	6A	6.1A	6.2A	6.9A	6A	5.2A
60°C	5.3A	5.3A	5.8A	5.9A	5.3A	4.7A
95°C	3.5A	3.5A	3.7A	3.9A	3.5A	3A
6 POSITIONS (2x3) POWERED						

SPECIFICATIONS

For complete specifications see www.samtec.com?HTSW

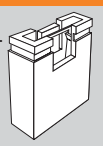
HTSW

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

FILE NO. E111594

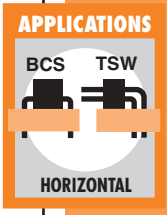
ALSO AVAILABLE

Shunts. See SNT Series



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

APPLICATIONS

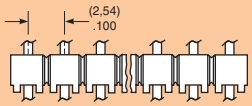


TYPE STRIP – **PIN CENTERS** – **NO. PINS PER ROW**

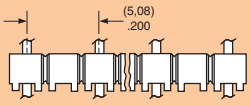
TSW = Standard Strip

HTSW = Hi-Temp Strip

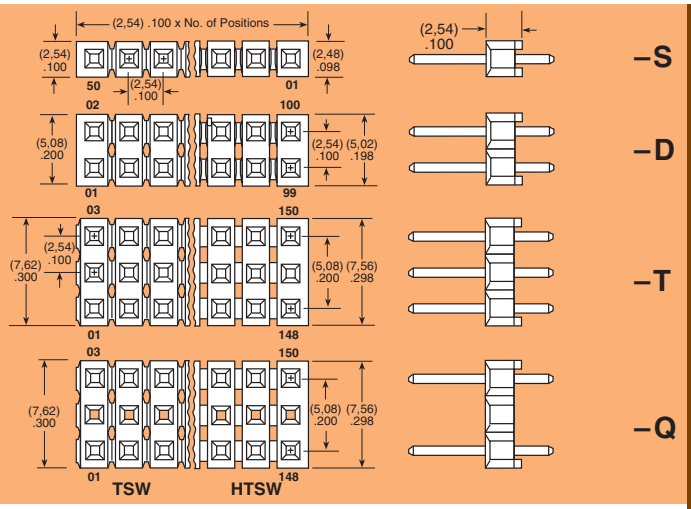
–1 = .100" (2,54mm) Centers, All Positions Filled



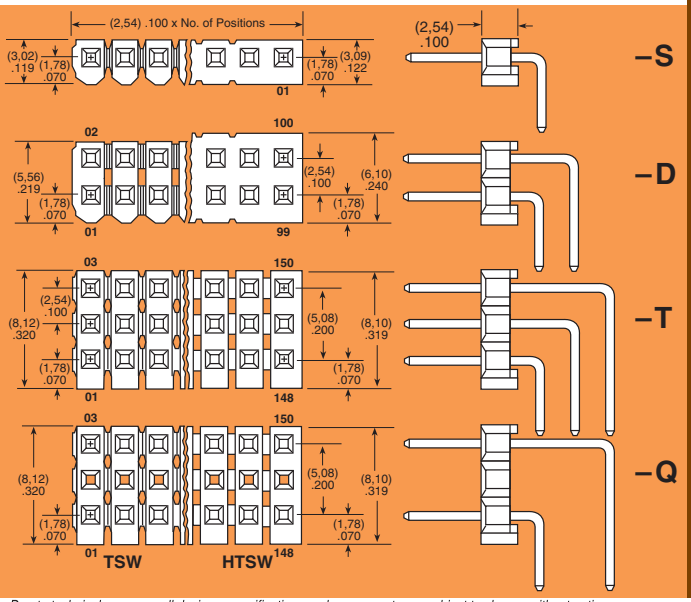
–2 = .200" (5,08mm) Centers, Every Other Position Filled



Straight Pin Versions



Right Angle Versions



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

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

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

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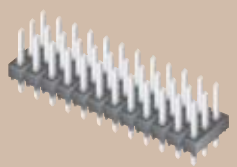
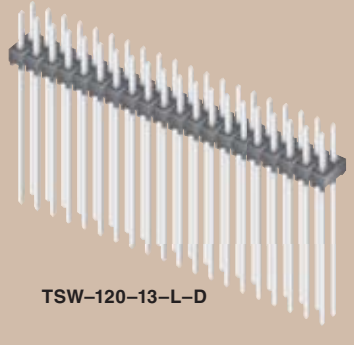
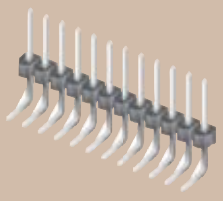


TSW–112–07–G–T

TSW–109–10–F–D–RA



TSW–120–13–L–D



TSW–112–16–T–S–RE

LEAD STYLE – PLATING OPTION – ROW OPTION – OTHER OPTIONS

–F
= Gold flash on post, Matte Tin on tail

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

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

–T
= Matte Tin

Specify –SS for cost-effective heavy Gold where it counts!

–SS
= 30µ" (0,76µm) Gold stripe on contact area, Gold flash to tip, Matte Tin on tail
(Mates with SSW, SSQ, SSM, ESW, ESQ, BCS only)
(Straight lead styles -07, -08, -09 and Right Angle (-RA) -08 only)

Note: Other Gold plating options available. Contact Samtec.

–S
= Single Row

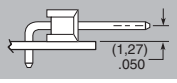
–D
= Double Row

–T
= Triple Row

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

– RA or –RE
= Right Angle

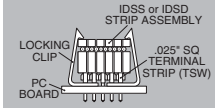
–NA
= Right Angle (using straight body for coplanar mating with SSW-RA series)



–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 (1,02mm ± 0,03mm) .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)

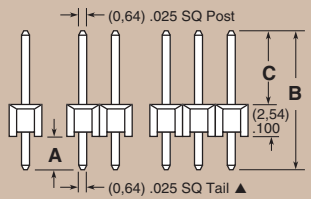
	STYLE	A	B	C
*	– 05	(3,30) .130	(8,51) .335	(2,67) .105
*	– 06	(2,41) .095	(7,62) .300	(2,67) .105
*	– 07	(2,54) .100	(10,92) .430	(5,84) .230
*	– 08	(5,08) .200	(13,46) .530	
	– 09	(10,16) .400	(18,54) .730	
	–10	(12,70) .500	(21,08) .830	
	–11	(15,24) .600	(23,62) .930	
	–12	(17,78) .700	(26,16) 1.030	
	–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

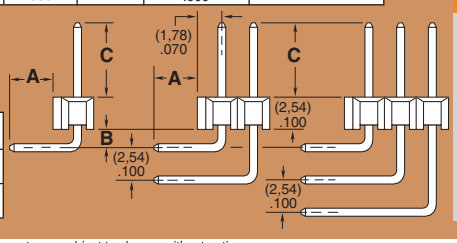
Right Angle Versions
(Specify "LEAD STYLE" from chart and select –RA or –RE from other options)

–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	

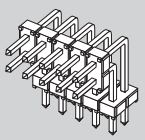
*Available with –LA (Locking Lead) Option

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



ALSO AVAILABLE

Elevated Right Angle option. Call Samtec.



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