

(2,54mm) .100"

TSW, HTSW SERIES

TSW-108-05-L-Q

TSW-116-11-G-S

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



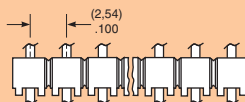
TYPE STRIP

TSW = Standard Strip

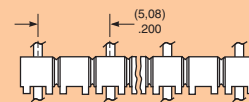
HTSW = Hi-Temp Strip

PIN CENTERS

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



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



NO. PINS PER ROW

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:

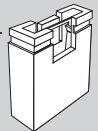
Insulator Material:

Natural Liquid Crystal
Polymer



ALSO AVAILABLE

Shunts.
See
SNT
Series



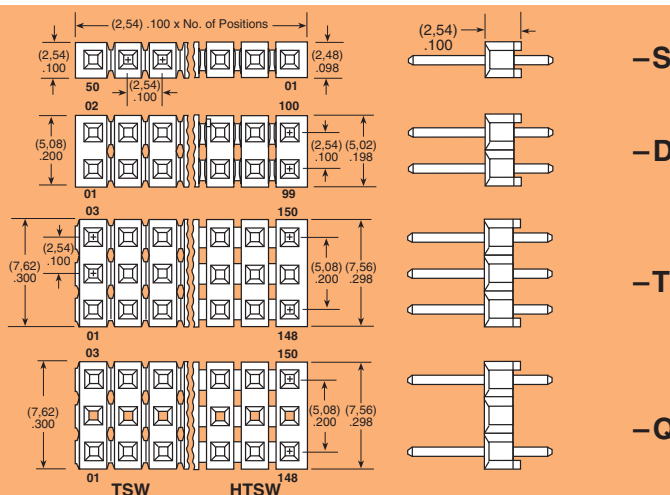
Note: Some lengths,
styles and options are
non-standard, non-returnable.

APPLICATIONS



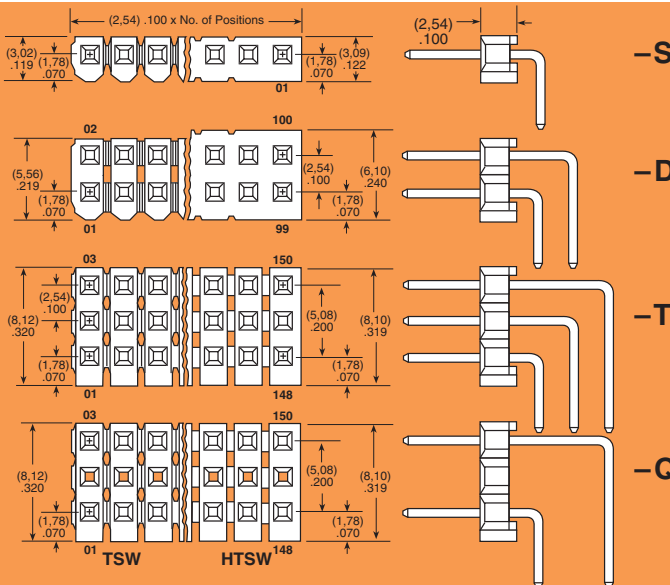
HORIZONTAL

Straight Pin Versions



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

Right Angle Versions

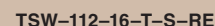
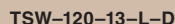
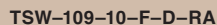
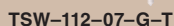


02
thru
25
= .200" (5,08mm)
Center Version

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

WWW.SAMTEC.COM

SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 SAMTEC NORTHERN CALIFORNIA • Tel: 408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: 1-800-726-8329
SAMTEC AMERICA LATINA COMERCIO EXTERIOR LTDA • Tel: (+55 31) 3786 3227 SAMTEC UNITED KINGDOM • Tel: 44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0
SAMTEC FRANCE • Tel: 33 01 60 95 06 60 SAMTEC ITALY • Tel: 39 039 6890337 SAMTEC NORDIC/BALTIC • Tel: +46-84477280 SAMTEC BENELUX • Tel: 44 01236 739292
SAMTEC ISRAEL • Tel: 972-3-7526600 SAMTEC INDIA • Tel: +91-80-3272 1612 SAMTEC ASIA PACIFIC • Tel: 65 6745-5955 SAMTEC JAPAN • Tel: 045-475-1385 SAMTEC CHINA • Tel: 86-21-6083 3766
SAMTEC TAIWAN • Tel: 886-2-2735-6109 SAMTEC HONG KONG • Tel: 852-26904858 SAMTEC KOREA • Tel: 82-31-717-5685 SAMTEC ANZ • Tel: 613 9580 0683



PLATING OPTION

ROW OPTION

OTHER OPTIONS

= Gold flash on post, Matte Tin on tail

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

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

= Matte Tin

**= 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

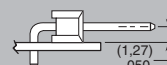
-D
= Double Bow

-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)

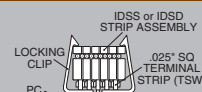


-LL
Locking Lead



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 $\pm$ 0.03mm) .040" $\pm$.001"

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



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

**= -RA Option
with -LL Option**

– “XXX”
= Polarized Position

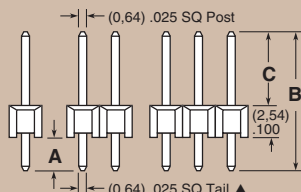
**Specify
-SS for
cost-effective
heavy Gold
where it
counts!**

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	(2,72) .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
*	-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) .045	(11,94) .465	(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						
	-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	(2,29) .090	(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	(14,99) .590	
	-27	(22,61) .890	(5,84) .230	N/A					
	-28	(17,53) .690		(17,53) .690	N/A				
	-29	(20,32) .800		N/A					
	-30	(15,24) .600	(8,13) .320	(15,24) .600					

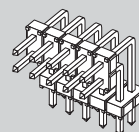
*Available with -LA
(Locking Lead) Option

**ALSO
AVAILABLE**

*Available with –LA
(Locking Lead) Option

**ALSO
AVAILABLE**

Elevated Right
Angle option.
Call Samtec.



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

WWW.SAMTEC.COM

SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 **SAMTEC NORTHERN CALIFORNIA** • Tel: 408-395-5900 **SAMTEC SOUTHERN CALIFORNIA** • Tel: 1-800-726-8329
SAMTEC AMERICA LATINA COMERCIO EXTERIOR LTDA • Tel: +55 31 3786 3227 **SAMTEC UNITED KINGDOM** • Tel: +44 01236 739292 **SAMTEC GERMANY** • Tel: +49 (0) 89 89460-0
SAMTEC FRANCE • Tel: 33 01 60 95 06 60 **SAMTEC ITALY** • Tel: 39 039 6890337 **SAMTEC NORDIC/BALTIC** • Tel: +46 84477280 **SAMTEC BENELUX** • Tel: +44 01236 739292
SAMTEC ISRAEL • Tel: 972-3-7526600 **SAMTEC INDIA** • Tel: +91-800-3272 1612 **SAMTEC ASIA PACIFIC** • Tel: 65 6745-5955 **SAMTEC JAPAN** • Tel: 045-475-1385 **SAMTEC CHINA** • Tel: 86-21-6083 3766
SAMTEC TAIWAN • Tel: 886-2-2735-6109 **SAMTEC HONG KONG** • Tel: 852-26064858 **SAMTEC KOREA** • Tel: 82-31-717-5685 **SAMTEC ANZ** • Tel: 613 9580 0683