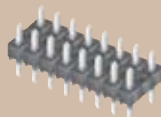




(2,54mm) .100"

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:

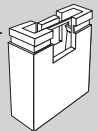
Insulator Material:

Natural Liquid Crystal
Polymer



ALSO AVAILABLE

Shunts.
See
SNT
Series



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

APPLICATIONS

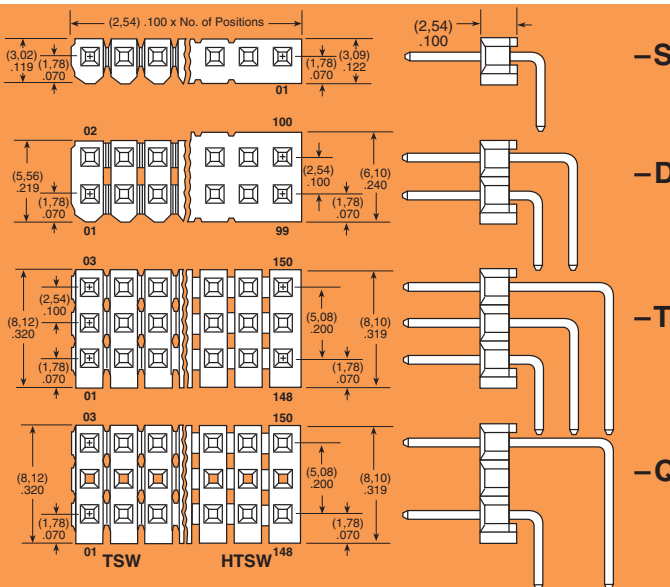


HORIZONTAL

Straight Pin Versions



Right Angle Versions



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

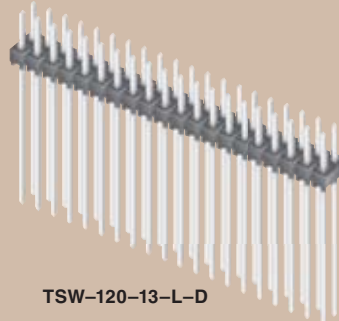
WWW.SAMTEC.COM

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

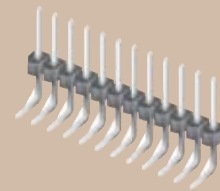
TSW-109-10-F-D-RA



TSW-112-07-G-T



TSW-120-13-L-D



TSW-112-16-T-S-RE

LEAD
STYLEPLATING
OPTIONROW
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

-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)

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

Note: Other Gold plating options available. Contact Samtec.

-S

= Single Row

-D

= Double Row

-T

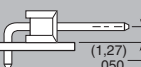
= Triple Row

-Q

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

-RA or -RE

= Right Angle



(1,27) .050

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"

PC BOARD

LOCKING CLIP

IDSS or IDSD STRIP ASSEMBLY

.025" SQ TERMINAL STRIP (TSW)

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

-LA

= -RA Option with -LL Option

-“XXX”

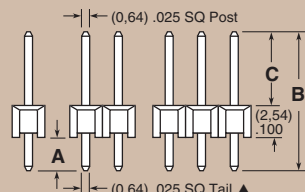
= Polarized Position

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	(23,62) .930	(5,84) .230
-11	(15,24) .600	(26,16) .930	
-12	(17,78) .700	(28,70) .930	
-13	(22,86) .900	(31,24) .930	
-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) .930	(20,83) .820
* -20		(31,24) .930	(25,91) .930
* -21		(36,32) .930	(30,99) .930
* -22	(7,62) .300	(16,00) .630	(5,84) .230
* -23	(2,92) .115	(11,30) .445	(6,73) .265
* -24	(5,33) .210	(16,00) .630	(8,13) .320
* -25	(3,20) .126	(11,58) .456	
* -26	(25,40) .930	(33,78) .930	(5,84) .230
* -27	(20,32) .800	(28,70) .930	
* -28	(23,11) .910	(33,78) .930	(8,13) .320
* -29	(18,03) .710	(28,70) .930	
* -30	(0,89) .035	(9,27) .365	(5,84) .230
* -41+	(1,27) .050	(11,94) .470	(8,13) .320
* -42+			

+ 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)

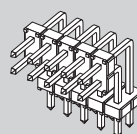
-RA LEAD STYLE	SINGLE (-S)	DOUBLE (-D)	TRIPLE (-T & -Q)
	A	A	A
-08	(2,29) .090	(2,29) .090	(2,29) .090
-09	(7,37) .290	(7,37) .290	(7,37) .290
-10	(9,91) .390	(9,91) .390	(9,91) .390
-11	(12,45) .490	(12,45) .490	(12,45) .490
-12	(14,99) .590	(14,99) .590	(14,99) .590
-13	(20,07) .790	(20,07) .790	N/A
-16	(5,08) .200	(8,13) .320	(5,08) .200
-21	(25,15) .990	(5,84) .230	N/A
-22	(4,83) .190	(4,83) .190	(4,83) .190
-25	(2,54) .100	(8,13) .320	(2,54) .100
-27	(22,61) .890	(5,84) .230	N/A
-28	(17,53) .690	(17,53) .690	N/A
-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	
-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

ALSO
AVAILABLE

Elevated Right Angle option. Call Samtec.



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.

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