

(2,54mm) .100"

TSW, HTSW SERIES

TSW-116-11-G-S

TSW-108-05-L-Q

THROUGH-HOLE .025" SQ POST HEADER

Mates with:

SSW, SSQ, ESW, ESQ,
BCS, BSW, IDSD, IDSS,
CES, SLW

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



AMBIENT TEMP	CURRENT RATING 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

Processing:

Lead-Free Solderable:

Wave Only

SPECIFICATIONS

For complete specifications
see www.samtec.com?HTSW

HTSW

Same as TSW

except:

Insulator Material:

Natural Liquid Crystal
Polymer



Processing:

Max Processing Temp:

230°C for 30 to 60 seconds,

or 260°C for 20 seconds 3x

Lead-Free Solderable:

Yes

APPLICATIONS



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

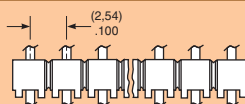
TYPE STRIP

TSW = Standard
Strip

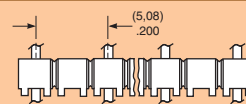
HTSW = Hi-Temp
Strip

PIN CENTERS

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

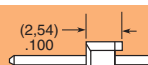
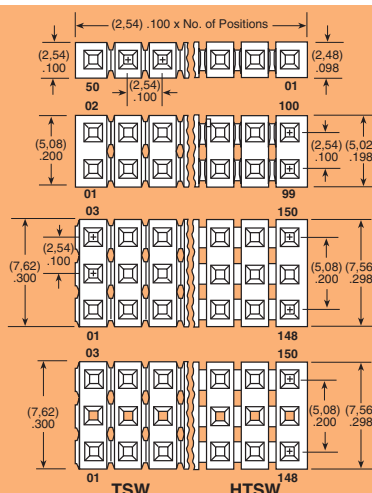


-2 = .200" (5,08mm) Centers,
Every Other Position Filled



NO. PINS PER ROW

Straight Pin Versions



-S



-D



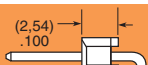
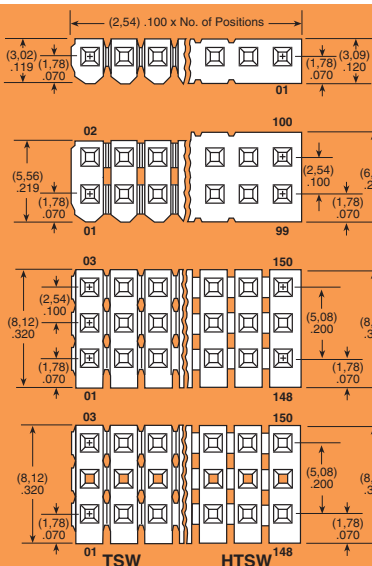
-T



-Q

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

Right Angle Versions



-S



-D



-T



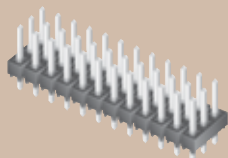
-Q

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

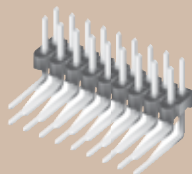
Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM

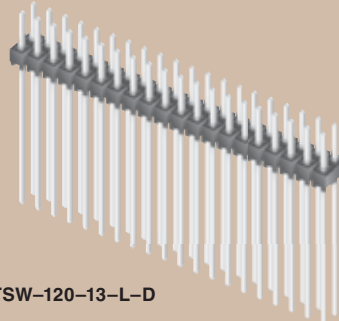
SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 SAMTEC SILICON VALLEY • Tel: 408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: 1-800-726-8329 SAMTEC UK • Tel: 44 01236 739292
SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0 SAMTEC FRANCE • Tel: 33 01 60 95 06 60 SAMTEC ITALY • Tel: 39 039 6890337 SAMTEC NORDIC/BALTIC • 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: 86-21-61103766
SAMTEC TAIWAN • Tel: 886-2-2735-6109 SAMTEC HONG KONG • Tel: 852-26904858 SAMTEC KOREA • Tel: 82-31-717-5685 SAMTEC SOUTH AFRICA • Tel: 27 11 452 8112 SAMTEC ANZ • Tel: 613 9512 7747



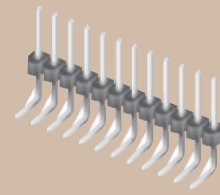
TSW-112-07-G-T



TSW-120-13-L-D



TSW-112-16-T-S-RE



LEAD STYLE

PLATING OPTION

ROW OPTION

OTHER OPTIONS

ALSO AVAILABLE

-F

= Gold flash on contact area,
Matte Tin on tail

-L

= 10 μ " (0,25 μ m) Gold on contact area,
Matte Tin on tail

-G

= 10 μ " (0,25 μ m) Gold on contact
area, Gold flash on balance

-T

= Matte Tin



Note: Other Gold plating options available.
Contact Samtec.

-S
= Single
Row

-D
= Double
Row

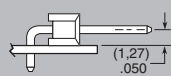
-T
= Triple
Row

-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

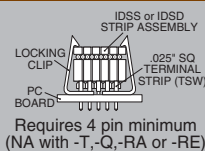
= Locking Lead



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 $\pm$ 0,03mm) .040" $\pm$.001"

-LC

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

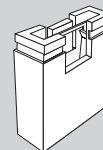
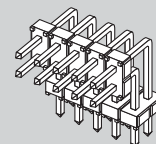


-LA

= -RA Option
with -LL Option

-“XXX”
= Polarized Position

Elevated Right
Angle option.
Call Samtec.



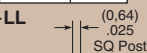
Shunts. See
SNT Series

Straight Pin Versions

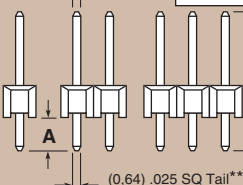
(Specify “LEAD STYLE” from chart)

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	(23,62) .930	
-11	(15,24) .600	(26,16) .930	
-12	(17,78) .700	(28,70) .1030	
-13	(22,86) .900	(31,24) .1230	
* -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



**Except: Style -26 (0,46) .018 DIA Tail

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	(6,73) .265
* -24	(5,33) .210	(12,15) .480	(8,13) .320
* -25	(3,20) .126	(11,58) .456	
-26	(25,40) 1.000	(33,78) 1.330	(5,84) .230
-27	(20,32) .800	(28,70) 1.130	
-28	(23,11) .910	(33,78) 1.330	(8,13) .320
-29	(18,03) .710	(28,70) 1.130	
-30	(0,89) .035	(9,27) .365	(5,84) .230
-41+	(1,27) .050	(11,94) .470	(8,13) .320

+ Style -41 & -42
available with
HTSW only.

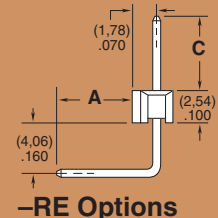
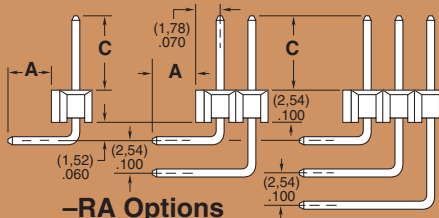
Right Angle Versions

(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	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



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 SILICON VALLEY • Tel: 408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: 1-800-726-8329 SAMTEC UK • 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: 86-21-61103766
SAMTEC TAIWAN • Tel: 886-2-2735-6109 SAMTEC HONG KONG • Tel: 852-26904858 SAMTEC KOREA • Tel: 82-31-717-5685 SAMTEC SOUTH AFRICA • Tel: 27 11 452 8112 SAMTEC ANZ • Tel: 613 9512 7747