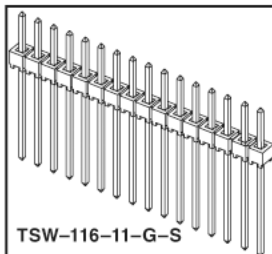
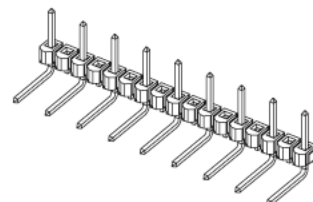
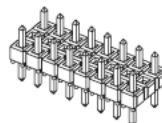


samtec



TSW-116-11-G-S

TSW-108-05-S-Q



TSW-209-09-S-S-RA



.025"sq TERMINAL STRIPS TSW SERIES

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

CURRENT RATING

AMBIENT TEMPERATURE	TSW mated with SSW
20°C	7A
40°C	6A
60°C	4A
80°C	3A

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

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

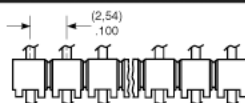
TYPE STRIP

TSW = Standard
Strip

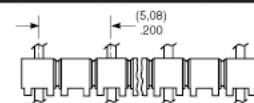
HTSW = Hi-Temp
Strip

PIN CENTERS

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

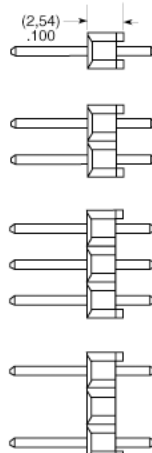
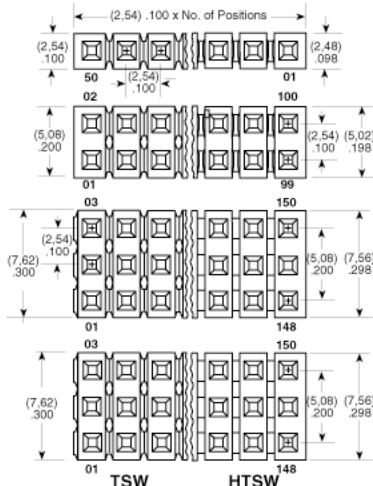


-2 = .200" (5,08mm) Centers,
Every Other Position Filled



NO. PINS PER ROW

Straight Pin Versions



-S

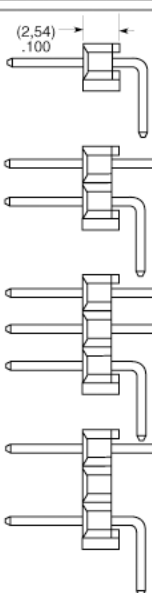
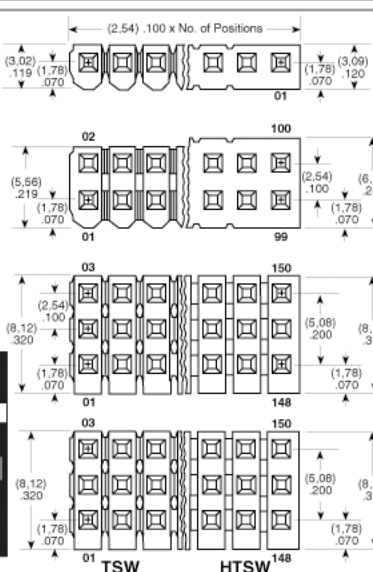
-D

-T

-Q

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

Right Angle Versions



-S

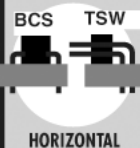
-D

-T

-Q

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

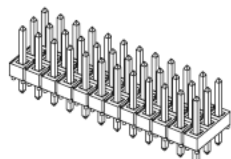
APPLICATIONS



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

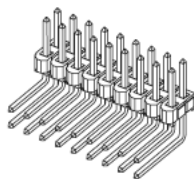
WWW.SAMTEC.COM

SAMTEC USA • Tel: 1-800-SAMTEC-9 or 812-944-6733 • Fax: 812-948-5047
SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0 • Fax: +49 (0) 89 / 89460-299
SAMTEC SCANDINAVIA • Tel: +46-84477280 • Fax: +46-847420413
SAMTEC ASIA PACIFIC • Tel: 65 6745-5955 • Fax: 65 6841-1502
SAMTEC HONG KONG • Tel: 852-26904858 • Fax: 852-26904842
SAMTEC JAPAN • Tel: 045-475-1385 • Fax: 045-475-1340
SAMTEC KOREA • Tel: 82-31-717-5685 • Fax: 82-31-717-5681
SAMTEC SILICON VALLEY • Tel: 408-395-5900 • Fax: 408-395-1520
SAMTEC FRANCE • Tel: 01 60 95 06 60 • Fax: 01 60 95 06 61
SAMTEC ISRAEL • Tel: 972-3-7526600 • Fax: 972-3-7526690
SAMTEC CHINA • Tel: 86-21-61103766 • Fax: 86-21-53854047
SAMTEC SOUTH AFRICA • Tel: 27 11 4528112 • Fax: 27 86 6714432
SAMTEC UK • Tel: 01236 739292 • Fax: 01236 727113
SAMTEC ITALY • Tel: 39 039 6890337 • Fax: 39 039 6890315
SAMTEC INDIA • Tel: 91 80 306 21 612 • Fax: 91 80 4152 8187
SAMTEC TAIWAN • Tel: 886 02 2698-3367 • Fax: 886 02 8698-2159
SAMTEC ANZ • Tel: 613 9512 7747 • Fax: 613 9512 7745

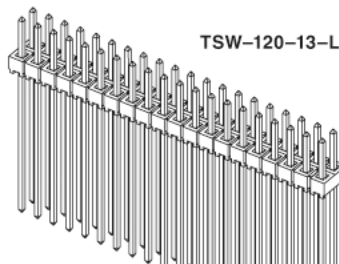


TSW-112-07-G-T

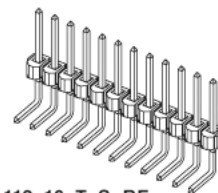
TSW-109-09-S-D-RA



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

-G
= 10μ" (0,25μm) Gold on contact
area, Gold flash on balance

-T
= Matte Tin

-S
= 30μ" (0,76μm) Gold on contact area,
Matte Tin on tail



-S
= Single
Row

-D
= Double
Row

-T
= Triple
Row

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

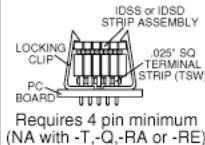
-RA or -RE
= Right Angle

-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"

-LA
= -RA Option
with -LL Option

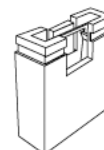
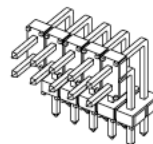
-LC
= Locking Clip
(Styles -08 thru
-13 & -22 only)



Requires 4 pin minimum
(N/A with -T, -Q, -RA or -RE)

-“XXX”
= Polarized Position

Elevated Right
Angle option.
Call Samtec.

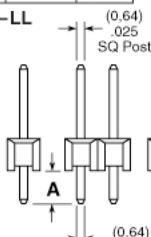


Shunts See
SNT Series

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) .1,030	
-12	(17,78) .700	(31,24) .1,230	
-13	(22,86) .900	(36,32) .1,430	
* -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		(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		(12,15) .480	(8,13) .320
* -25	(5,33) .210	(16,00) .630	
-26	(3,20) .126	(11,58) .456	
-27	(25,40) .1,000	(33,78) .1,330	(5,84) .230
-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.

Specify -07 for
best mate with
IDXX Series
IDC Cable

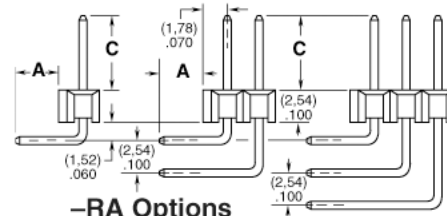
**Except: Style -26 (0,46) .018 DIA Tail

Right Angle Versions (Specify "LEAD STYLE" from chart)

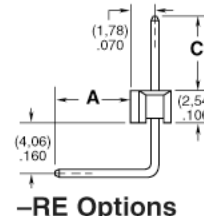
-RA LEAD STYLE	SINGLE (-S)		DOUBLE (-D)	TRIPLE (-T & -Q)
	A	C	A	A
* -08	(2,29) .090		(2,29) .090	(2,29) .090
* -09	(7,37) .290		(7,37) .290	(7,37) .290
-10	(9,91) .390	(5,84) .230	(9,91) .390	(9,91) .390
-11	(12,45) .490		(12,45) .490	(12,45) .490
-12	(14,99) .590		(14,99) .590	(14,99) .590
-13	(20,07) .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	N/A
-28	(17,53) .690		(17,53) .690	N/A
-29	(20,32) .800	(8,13) .320	N/A	N/A
-30	(15,24) .600		(15,24) .600	N/A

-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



-RA Options



-RE Options

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 • Fax: 812-948-5047
 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0 • Fax: +49 (0) 89 / 89460-299
 SAMTEC SCANDINAVIA • Tel: +46-84477280 • Fax: +46-84477281
 SAMTEC ASIA PACIFIC • Tel: 65 6745-5955 • Fax: 65 6841-1502
 SAMTEC HONG KONG • Tel: 852-26904858 • Fax: 852-26904842
 SAMTEC JAPAN • Tel: 045-475-1385 • Fax: 045-475-1340
 SAMTEC KOREA • Tel: 82-31-717-5685 • Fax: 82-31-717-5681
 SAMTEC SILICON VALLEY • Tel: 408-395-5900 • Fax: 408-395-1520
 SAMTEC FRANCE • Tel: 01 60 95 06 60 • Fax: 01 60 95 06 61
 SAMTEC CHINA • Tel: 86-21-61103766 • Fax: 86-21-53854047
 SAMTEC SOUTH AFRICA • Tel: 27 11 4528112 • Fax: 27 86 6714432
 SAMTEC UK • Tel: 01236 739292 • Fax: 01236 727113
 SAMTEC ITALY • Tel: 39 039 6890337 • Fax: 39 039 6890315
 SAMTEC INDIA • Tel: 91 80 306 21 612 • Fax: 91 80 4152 8187
 SAMTEC TAIWAN • Tel: 886 02 2698-3367 • Fax: 886 02 8698-2159
 SAMTEC ANZ • Tel: 613 9512 7747 • Fax: 613 9512 7745