

.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.

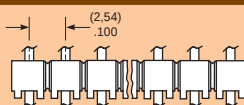
TYPE STRIP

TSW = Standard
Strip

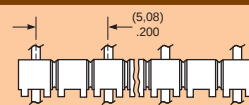
HTSW = Hi-Temp
Strip

PIN CENTERS

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

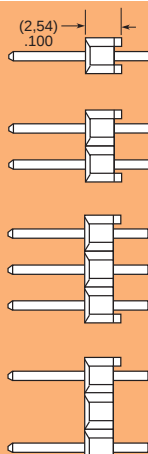
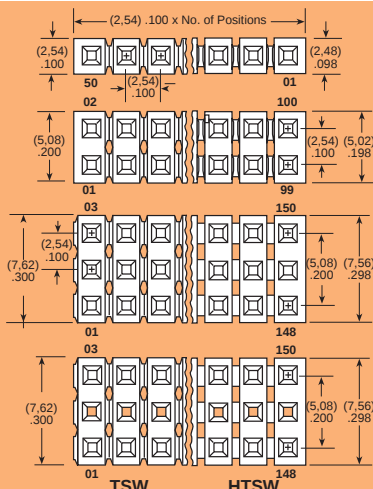


-2 = .200" (5,08mm) Centers,
Every Other Position Filled



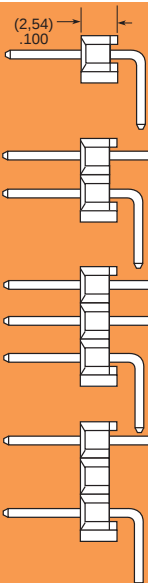
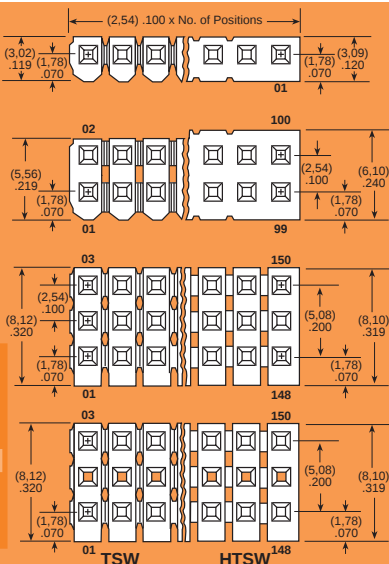
NO. PINS PER ROW

Straight Pin Versions



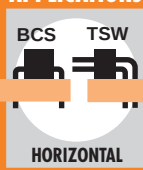
01
thru
50
= .100" (2,54mm)
Center Version

Right Angle Versions



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

APPLICATIONS

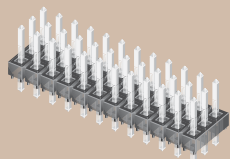


Due to technical progress, all designs, specifications and components are subject to change without notice.

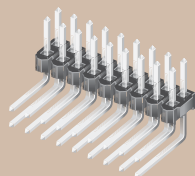
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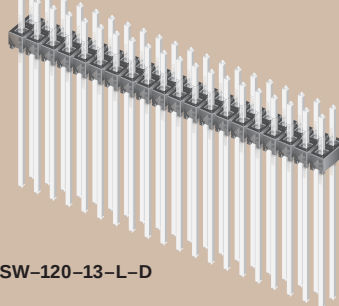
TSW-109-09-F-D-RA



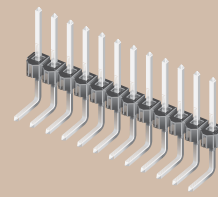
TSW-112-07-G-T



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

= 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



Note: Other Gold plating options available.
Contact Samtec.

-S
= Single
Row

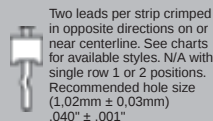
-D
= Double
Row

-T
= Triple
Row

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

-RA or -RE
= Right Angle

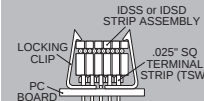
-LL = Locking
Lead



-LA
= -RA Option
with -LL Option

-LC

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

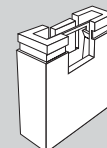
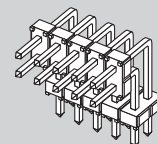


Requires 4 pin minimum
(NA with -T, -Q, -RA or -RE)

-"XXX"

= Polarized Position

Elevated Right
Angle option.
Call Samtec.



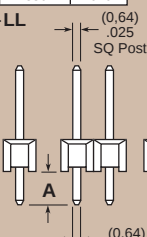
Shunts. See
SNT Series

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	
* -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



STYLE	A	B	C
* -18		(23,62) .930	(18,29) .720
* -19		(26,16) 1.030	(20,83) .820
* -20	(2,79) .110	(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	(5,33) .210	(16,00) .630	(8,13) .320
* -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

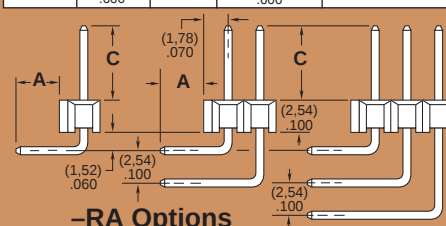
Right Angle Versions

(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.

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