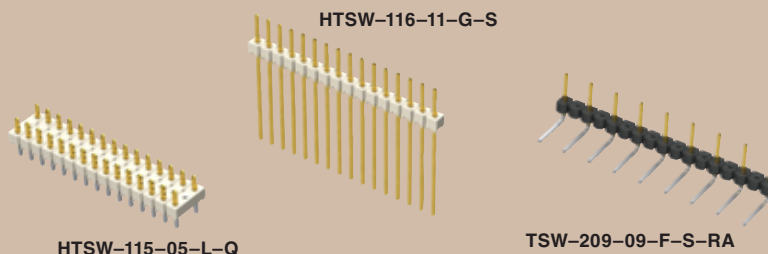


(2,54 mm) .100"



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
or www.samtec.com?TSW

Insulator Material:

TSW: Black Glass Filled Polyester

HTSW: Natural Liquid

Crystal Polymer

Terminal Material:

Phosphor Bronze

Plating:

Au or Sn over 50µ"

(1,27 µm) 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

400 VAC mated with CES

RoHS Compliant: Yes

Lead-Free Solderable:

Wave Only

CURRENT RATING (PER PIN)

TSW mated with

ESW	SSW	SLW	SSQ	SSM	BCS	SNT
5.2 A	5.7 A	5.2 A	6.3 A	5.2 A	4.6 A	4.3 A

1 POSITION POWERED PER ROW

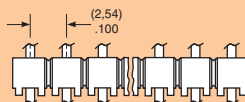
TYPE STRIP

TSW = Standard Strip

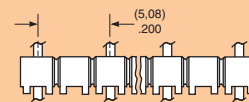
HTSW = Hi-Temp Strip

PIN CENTERS

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

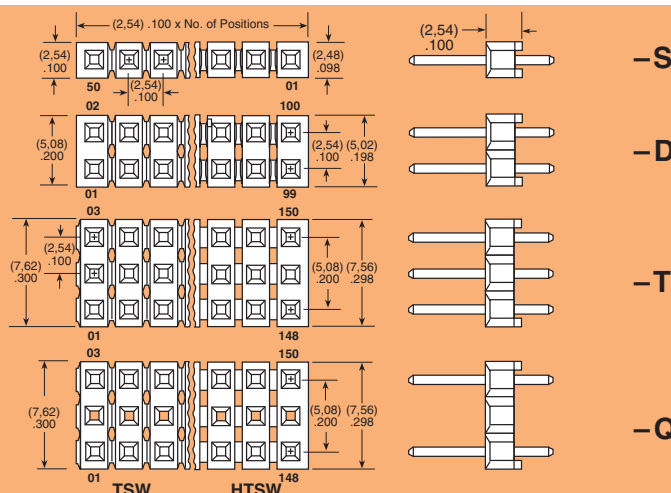


-2 = .200" (5,08 mm) Centers,
Every Other Position Filled



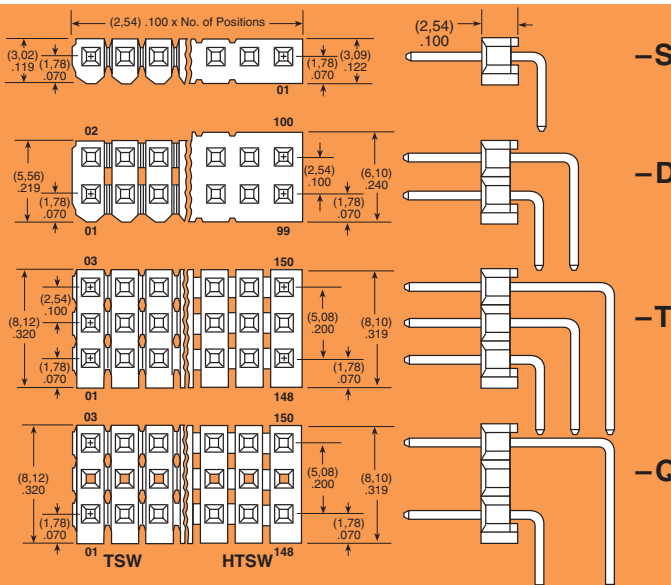
NO. PINS PER ROW

Straight Pin Versions



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

Right Angle Versions



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

RECOGNITIONS

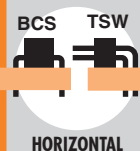
For complete scope
of recognitions see
www.samtec.com/quality



FILE NO. E111594

FILE NO. 990871_0_000

APPLICATIONS



ALSO AVAILABLE (MOQ Required)

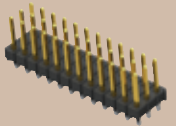
- Other platings
- Contact Samtec.

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

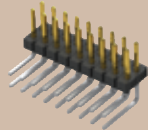
Due to technical progress, all designs, specifications and components are subject to change without notice.

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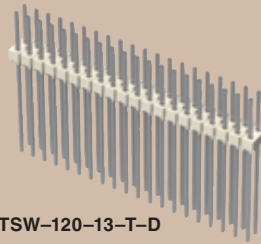
TSW-109-10-F-D-RA



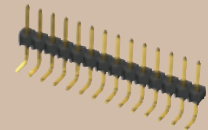
TSW-112-07-G-T



HTSW-120-13-T-D



TSW-114-16-G-S-RE



TSW, HTSW SERIES

LEAD STYLE

PLATING OPTION

ROW OPTION

OTHER OPTIONS

-F

= Gold flash on post, Matte Tin on tail

-L

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

-G

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

-T

= Matte Tin

OTHER SOLUTIONS

- Elevated Right Angle option
- Shunts
- Contact Samtec

-S

= Single Row

-D

= Double Row

-T

= Triple Row

-Q

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

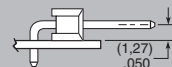
-RA or -RE

= Right Angle

-NA

= Right Angle

(using straight body for coplanar mating with SSW-RA series)



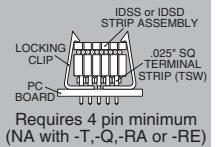
-LL

= 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 (1,02 mm ± 0,03 mm) .040" ± .001"

-LC

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

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

-LA

= -RA Option
with -LL Option

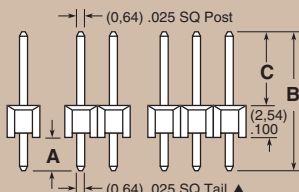
-“XXX”

= 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	(23,62) .930	
-12	(17,78) .700	(26,16) .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

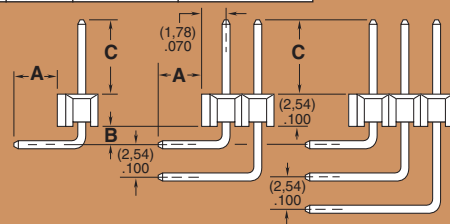
STYLE	A	B	C
* -18		(23,62) .930	(18,29) .720
* -19	(2,79) .110	(26,16) .1030	(20,83) .820
* -20		(31,24) .1230	(25,91) .1020
* -21		(36,32) .1430	(30,99) .1220
* -22	(7,62) .300	(16,00) .630	(5,84) .230
* -23	(2,92) .115	(11,30) .445	(6,73) .265
* -24	(5,33) .210	(16,00) .630	(8,13) .320
* -25	(3,20) .126	(11,58) .456	
-26	(25,40) .1000	(33,78) .1330	(5,84) .230
-27	(20,32) .800	(28,70) .1130	
-28	(23,11) .910	(33,78) .1330	(8,13) .320
-29	(18,03) .035	(28,70) .1130	
-30	(9,27) .365	(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)		-RE LEAD STYLE	SINGLE A	C
	A	C	A		A				
-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		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				

* Available with -LA
(Locking Lead) Option

LEAD STYLE	B
-RA	(1,52) .060
-RE	(4,06) .160

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