

.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,

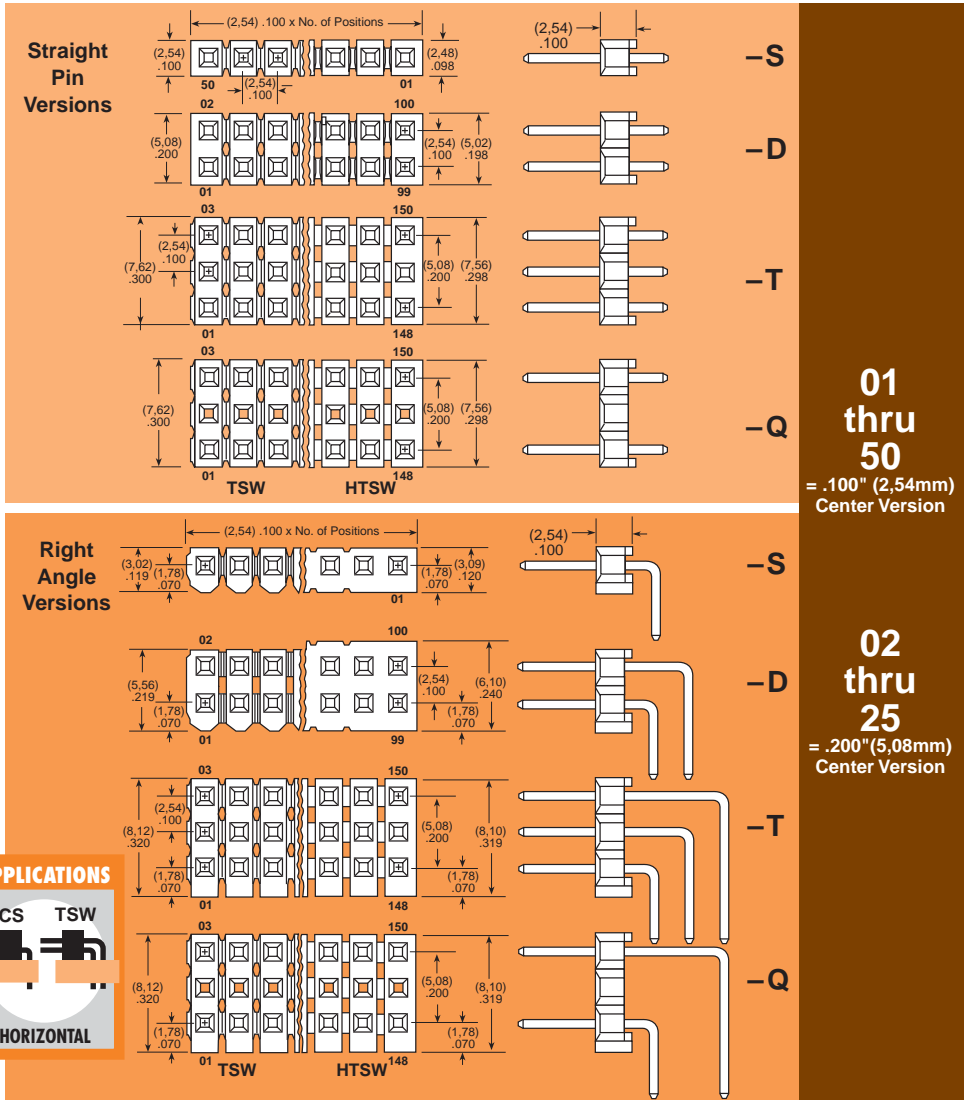
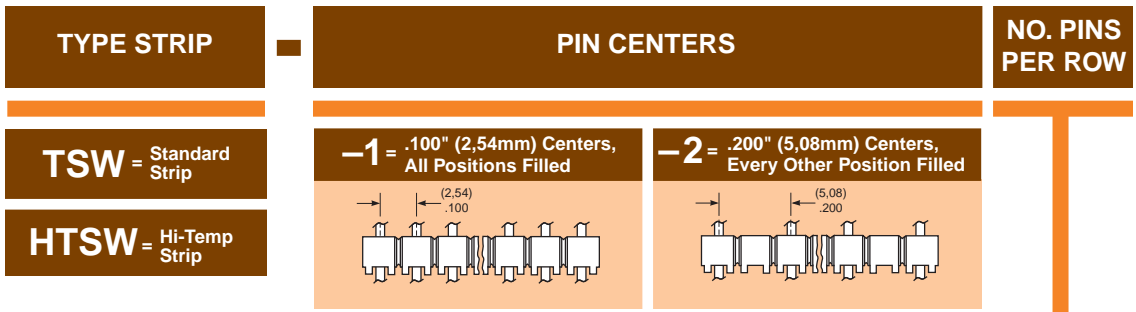
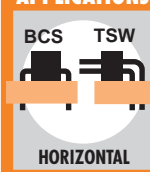
or 260°C for 20 seconds 3x

Lead-Free Solderable:

Yes



APPLICATIONS



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

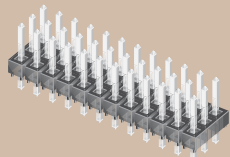
02 thru 25
= .200" (5,08mm) Center Version

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

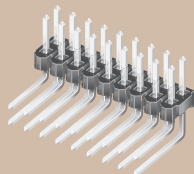
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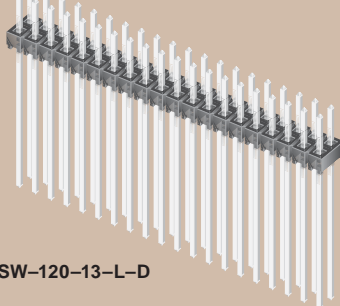
TSW-109-09-F-D-RA



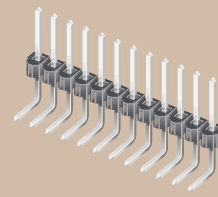
TSW-112-07-G-T



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

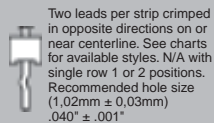


Note: Other Gold plating options available. Contact Samtec.

- S**
= Single Row
- D**
= Double Row
- T**
= Triple Row
- Q**
= Double Row (5,08mm) .200" row space

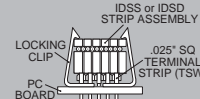
-RA or -RE
= Right Angle

-LL = Locking Lead



-LA
= -RA Option with -LL Option

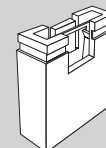
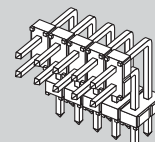
-LC
= Locking Clip (Styles -08 thru -13 & -22 only)



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

-“XXX”
= Polarized Position

Elevated Right Angle option. Call Samtec.

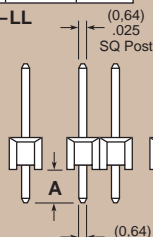


Shunts. See SNT Series

Straight Pin Versions
(Specify "LEAD STYLE" from chart)

| STYLE | A | B | C | STYLE | A | B | C |
|-------|-----------------|------------------|-----------------|--------|------------------|------------------|------------------|
| * -05 | (3,30) .130 | (8,51) .335 | (2,67) .105 | * -18 | | (23,62) .930 | (18,29) .720 |
| * -06 | (2,41) .095 | (7,62) .300 | (2,67) .105 | * -19 | (2,79) .110 | (26,16) 1.030 | (20,83) .820 |
| * -07 | (2,54) .100 | (10,92) .430 | | * -20 | | (31,24) 1.230 | (25,91) 1.020 |
| * -08 | (5,08) .200 | (13,46) .530 | | * -21 | | (36,32) 1.430 | (30,99) 1.220 |
| * -09 | (10,16) .400 | (18,54) .730 | | * -22 | (7,62) .300 | (16,00) .630 | (11,30) .445 |
| * -10 | (12,70) .500 | (21,08) .830 | (5,84) .230 | * -23 | (2,92) .115 | (12,15) .480 | (6,73) .265 |
| * -11 | (15,24) .600 | (23,62) .930 | | * -24 | (5,33) .210 | (16,00) .630 | (8,13) .320 |
| * -12 | (17,78) .700 | (26,16) 1.030 | | * -25 | (5,33) .210 | (16,00) .630 | (8,13) .320 |
| * -13 | (22,86) .900 | (31,24) 1.230 | | * -26 | (3,20) .126 | (11,58) .456 | |
| * -14 | (2,79) .110 | (13,46) .530 | (8,13) .320 | * -27 | (25,40) 1.000 | (33,76) 1.330 | (5,84) .230 |
| * -15 | | (18,54) .730 | (13,21) .520 | * -28 | (20,32) .800 | (28,70) 1.130 | |
| * -16 | (7,87) .310 | | (8,13) .320 | * -29 | (23,11) .910 | (33,76) 1.330 | (8,13) .320 |
| * -17 | (2,79) .110 | (21,08) .830 | (15,74) .620 | * -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 |

*Available with -LL (Locking Lead) Option



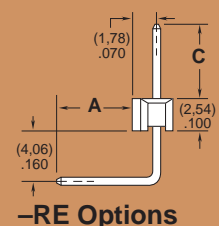
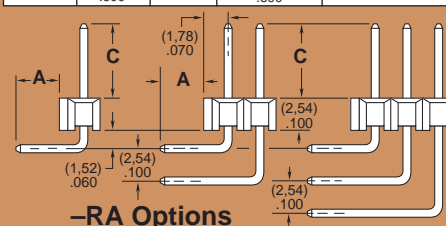
+ Style -41 & -42 available with HTSW only.

**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) | -RE LEAD STYLE | SINGLE A | C |
|----------------|-----------------|-----------------|-----------------|------------------|----------------|-----------------|----------------|
| | A | C | | | | | |
| * -08 | (2,29) .090 | (2,29) .090 | (2,29) .090 | (2,29) .090 | * -09 | (4,83) .190 | |
| * -09 | (7,37) .290 | (7,37) .290 | (7,37) .290 | (7,37) .290 | * -10 | (7,37) .290 | |
| * -10 | (9,91) .390 | (9,91) .390 | (9,91) .390 | (9,91) .390 | * -11 | (9,91) .390 | (5,84) .230 |
| * -11 | (12,45) .490 | (12,45) .490 | (12,45) .490 | (12,45) .490 | * -12 | (12,45) .490 | |
| * -12 | (14,99) .590 | (14,99) .590 | (14,99) .590 | (14,99) .590 | * -13 | (17,53) .690 | |
| * -13 | (20,07) .790 | (20,07) .790 | (20,07) .790 | N/A | * -16 | (2,54) .100 | (8,13) .320 |
| * -16 | (5,08) .200 | (5,08) .200 | (5,08) .200 | (5,08) .200 | * -21 | (22,61) .890 | (8,13) .320 |
| * -21 | (25,15) .990 | (25,15) .990 | N/A | N/A | * -22 | (2,29) .090 | (5,84) .230 |
| * -22 | (4,83) .190 | (4,83) .190 | (4,83) .190 | (4,83) .190 | * -27 | (20,07) .790 | |
| * -25 | (2,54) .100 | (2,54) .100 | (2,54) .100 | (2,54) .100 | * -28 | (17,53) .690 | |
| * -27 | (22,61) .890 | (22,61) .890 | N/A | N/A | * -29 | (20,32) .800 | |
| * -28 | (17,53) .690 | (17,53) .690 | (17,53) .690 | N/A | * -30 | (15,24) .600 | |
| * -29 | (20,32) .800 | (20,32) .800 | N/A | N/A | | | |
| * -30 | (15,24) .600 | (15,24) .600 | (15,24) .600 | (15,24) .600 | | | |

*Available with -LA (Locking Lead) Option



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