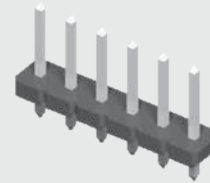


SW-10-04-T-S-350-150



FWS-06-01-T-S

(5.08 mm) .200"

FWS, HFWS, SW SERIES

# POWER TERMINAL STRIP

FWS, HFWS Mates with:  
PSS, HPF

SW Mates with:  
PSS, HPF

## SPECIFICATIONS

For complete specifications  
see [www.samtec.com?FWS](http://www.samtec.com?FWS)  
[www.samtec.com?HFWS](http://www.samtec.com?HFWS) or  
[www.samtec.com?SW](http://www.samtec.com?SW)

### Insulator Material:

Glass Filled  
Polyester (FWS, SW-TH)  
Liquid Crystal  
Polymer (HFWS, SW-VS)

### Terminal Material:

Phosphor Bronze

### Plating:

Sn over 50  $\mu$ " (1.27  $\mu$ m) Ni

### Current Rating (FWS/PSS):

11.4 A per pin

(1 pin powered)

### Operating Temp Range:

-55 °C to +105 °C

### Voltage Rating:

500 VAC mated with PSS

### RoHS Compliant:

Yes

## PROCESSING

### Lead-Free Solderable

(HFWS-VS, SW-VS):

Yes

### SMT Lead Coplanarity

(FWS, HFWS):

(0.20 mm) .008" max (02-15)\*

(0.25 mm) .010" max (16-20)\*

### SMT Lead Coplanarity (SW):

(0.25 mm) .010" max\*

\*(.004" stencil solution

may be available; contact

IPG@samtec.com)

## RECOGNITIONS

For complete scope  
of recognitions see  
[www.samtec.com/quality](http://www.samtec.com/quality)



FILE NO. E111594

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

| TYPE STRIP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | NO. PINS       | LEAD STYLE      | PLATING OPTION    | S              | TAIL OPTION     | OTHER OPTION    |                |   |   |   |   |   |   |   |     |                |                 |   |   |   |                 |                |     |                |                 |                |                |                |                 |                |     |                |                 |                |                |                 |   |   |     |                |                |   |   |   |   |   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------|-------------------|----------------|-----------------|-----------------|----------------|---|---|---|---|---|---|---|-----|----------------|-----------------|---|---|---|-----------------|----------------|-----|----------------|-----------------|----------------|----------------|----------------|-----------------|----------------|-----|----------------|-----------------|----------------|----------------|-----------------|---|---|-----|----------------|----------------|---|---|---|---|---|
| FWS<br>= Standard Header                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                 |                   |                |                 |                 |                |   |   |   |   |   |   |   |     |                |                 |   |   |   |                 |                |     |                |                 |                |                |                |                 |                |     |                |                 |                |                |                 |   |   |     |                |                |   |   |   |   |   |
| HFWS<br>= High Temp Header                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |                 |                   |                |                 |                 |                |   |   |   |   |   |   |   |     |                |                 |   |   |   |                 |                |     |                |                 |                |                |                |                 |                |     |                |                 |                |                |                 |   |   |     |                |                |   |   |   |   |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                 | -T<br>= Matte Tin |                |                 |                 |                |   |   |   |   |   |   |   |     |                |                 |   |   |   |                 |                |     |                |                 |                |                |                |                 |                |     |                |                 |                |                |                 |   |   |     |                |                |   |   |   |   |   |
| Specify LEAD STYLE from chart below.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                 |                   |                |                 |                 |                |   |   |   |   |   |   |   |     |                |                 |   |   |   |                 |                |     |                |                 |                |                |                |                 |                |     |                |                 |                |                |                 |   |   |     |                |                |   |   |   |   |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                 |                   |                |                 |                 |                |   |   |   |   |   |   |   |     |                |                 |   |   |   |                 |                |     |                |                 |                |                |                |                 |                |     |                |                 |                |                |                 |   |   |     |                |                |   |   |   |   |   |
| <table border="1"> <thead> <tr> <th>LEAD STYLE</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>F</th> <th>G</th> </tr> </thead> <tbody> <tr> <td>-01</td> <td>(4.57)<br/>.180</td> <td>(11.94)<br/>.470</td> <td>—</td> <td>—</td> <td>—</td> <td>(10.72)<br/>.422</td> <td>(8.64)<br/>.340</td> </tr> <tr> <td>-02</td> <td>(4.57)<br/>.180</td> <td>(13.21)<br/>.520</td> <td>(2.54)<br/>.100</td> <td>(4.57)<br/>.180</td> <td>(8.08)<br/>.318</td> <td>(12.24)<br/>.482</td> <td>(8.38)<br/>.330</td> </tr> <tr> <td>-04</td> <td>(4.09)<br/>.161</td> <td>(21.06)<br/>.829</td> <td>(4.95)<br/>.195</td> <td>(3.96)<br/>.156</td> <td>(13.82)<br/>.544</td> <td>—</td> <td>—</td> </tr> <tr> <td>-05</td> <td>(4.57)<br/>.180</td> <td>(3.81)<br/>.150</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> </tbody> </table> |                |                 |                   |                |                 |                 | LEAD STYLE     | A | B | C | D | E | F | G | -01 | (4.57)<br>.180 | (11.94)<br>.470 | — | — | — | (10.72)<br>.422 | (8.64)<br>.340 | -02 | (4.57)<br>.180 | (13.21)<br>.520 | (2.54)<br>.100 | (4.57)<br>.180 | (8.08)<br>.318 | (12.24)<br>.482 | (8.38)<br>.330 | -04 | (4.09)<br>.161 | (21.06)<br>.829 | (4.95)<br>.195 | (3.96)<br>.156 | (13.82)<br>.544 | — | — | -05 | (4.57)<br>.180 | (3.81)<br>.150 | — | — | — | — | — |
| LEAD STYLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | A              | B               | C                 | D              | E               | F               | G              |   |   |   |   |   |   |   |     |                |                 |   |   |   |                 |                |     |                |                 |                |                |                |                 |                |     |                |                 |                |                |                 |   |   |     |                |                |   |   |   |   |   |
| -01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (4.57)<br>.180 | (11.94)<br>.470 | —                 | —              | —               | (10.72)<br>.422 | (8.64)<br>.340 |   |   |   |   |   |   |   |     |                |                 |   |   |   |                 |                |     |                |                 |                |                |                |                 |                |     |                |                 |                |                |                 |   |   |     |                |                |   |   |   |   |   |
| -02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (4.57)<br>.180 | (13.21)<br>.520 | (2.54)<br>.100    | (4.57)<br>.180 | (8.08)<br>.318  | (12.24)<br>.482 | (8.38)<br>.330 |   |   |   |   |   |   |   |     |                |                 |   |   |   |                 |                |     |                |                 |                |                |                |                 |                |     |                |                 |                |                |                 |   |   |     |                |                |   |   |   |   |   |
| -04                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (4.09)<br>.161 | (21.06)<br>.829 | (4.95)<br>.195    | (3.96)<br>.156 | (13.82)<br>.544 | —               | —              |   |   |   |   |   |   |   |     |                |                 |   |   |   |                 |                |     |                |                 |                |                |                |                 |                |     |                |                 |                |                |                 |   |   |     |                |                |   |   |   |   |   |
| -05                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | (4.57)<br>.180 | (3.81)<br>.150  | —                 | —              | —               | —               | —              |   |   |   |   |   |   |   |     |                |                 |   |   |   |                 |                |     |                |                 |                |                |                |                 |                |     |                |                 |                |                |                 |   |   |     |                |                |   |   |   |   |   |
| <div>01 thru 20</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |                 |                   |                |                 |                 |                |   |   |   |   |   |   |   |     |                |                 |   |   |   |                 |                |     |                |                 |                |                |                |                 |                |     |                |                 |                |                |                 |   |   |     |                |                |   |   |   |   |   |
| <div>-VS-P<br/>= Surface Mount with Pick &amp; Place Pad (3 Pos. min.) (6.98 mm) .275" min. post height</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |                 |                   |                |                 |                 |                |   |   |   |   |   |   |   |     |                |                 |   |   |   |                 |                |     |                |                 |                |                |                |                 |                |     |                |                 |                |                |                 |   |   |     |                |                |   |   |   |   |   |
| Leave blank for Through-hole                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                |                 |                   |                |                 |                 |                |   |   |   |   |   |   |   |     |                |                 |   |   |   |                 |                |     |                |                 |                |                |                |                 |                |     |                |                 |                |                |                 |   |   |     |                |                |   |   |   |   |   |
| -RA<br>= Right-angle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                 |                   |                |                 |                 |                |   |   |   |   |   |   |   |     |                |                 |   |   |   |                 |                |     |                |                 |                |                |                |                 |                |     |                |                 |                |                |                 |   |   |     |                |                |   |   |   |   |   |
| -VS<br>= Surface Mount (2 pins/row minimum) Requires HFWS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                 |                   |                |                 |                 |                |   |   |   |   |   |   |   |     |                |                 |   |   |   |                 |                |     |                |                 |                |                |                |                 |                |     |                |                 |                |                |                 |   |   |     |                |                |   |   |   |   |   |

|                          |          |    |                   |   |                                                                                                      |             |                                                                                               |
|--------------------------|----------|----|-------------------|---|------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------|
| TYPE STRIP               | NO. PINS | 04 | PLATING OPTION    | S | STACK HEIGHT                                                                                         | POST HEIGHT | TAIL OPTION                                                                                   |
| SW<br>= Standard Stacker |          |    |                   |   |                                                                                                      |             |                                                                                               |
|                          |          |    | -T<br>= Matte Tin |   | -“XXX”<br>= Stacker Height (in inches) (0.13 mm) .005" increments<br>Example: -250 = (6.35 mm) .250" |             |                                                                                               |
|                          |          |    |                   |   |                                                                                                      |             | Leave blank for Through-hole                                                                  |
|                          |          |    |                   |   |                                                                                                      |             | -VS<br>= Surface Mount (2 pins/row minimum)                                                   |
|                          |          |    |                   |   |                                                                                                      |             | -VS-P<br>= Surface Mount with Pick & Place Pad (3 Pos. min.) (6.98 mm) .275" max. post height |
| <div>02 thru 20</div>    |          |    |                   |   |                                                                                                      |             | -“XXX”<br>= Post Height (in inches)                                                           |

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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

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Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

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