

(3.96 mm) .156"

FWJ, HFWJ, JW SERIES

POWER HEADERS & BOARD STACKERS

Mates with:
FHP

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?FWJ, www.samtec.com?HFWJ or www.samtec.com?JW

Insulator Material:
FWJ = Black Glass Filled Polyester
HFWJ, JW = Natural Liquid Crystal Polymer
Terminal Material:
Phosphor Bronze

Plating:
Sn over 50 μm (1.27 μm)
Operating Temp Range:
-55 °C to +105 °C

Voltage Rating:
600 VAC/845 VDC
Standard Creepage:
FWJ: (2.82 mm) .111"
HFWJ, JW: (3.92 mm) .154"
Standard Clearance:
(2.82 mm) .111

RoHS Compliant:
Yes

PROCESSING

Lead-Free Solderable:
FWJ = No, Lead Wave only
HFWJ, JW = Yes

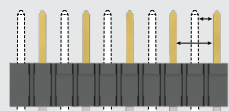
SMT Lead Coplanarity:
(0.20 mm) .008" max (02-16)*
(0.25 mm) .010" max (17-24)*
*(.004" stencil solution may be available; contact IPG@samtec.com)

RECOGNITIONS

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



CREEPAGE AND CLEARANCE



Selectively loading contacts achieves customer specific creepage and clearance requirements. Contact asp@samtec.com

| TYPE STRIP | NO. OF PINS | LEAD STYLE | PLATING OPTION | S | OTHER OPTION | | | | | | | | | | | | | | |
|----------------------------|--|------------|----------------|------|--|---|--------|---|--------|---|--------|---|-------|----|-------|-------------------|--|--|------------------------------|
| FWJ = Standard Header | <table border="1"> <thead> <tr> <th colspan="2">FHP/HFWJ</th> </tr> <tr> <th>PINS</th> <th>CURRENT RATING (PER CONTACT)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>13.1 A</td> </tr> <tr> <td>2</td> <td>11.2 A</td> </tr> <tr> <td>3</td> <td>10.3 A</td> </tr> <tr> <td>4</td> <td>9.2 A</td> </tr> <tr> <td>24</td> <td>6.7 A</td> </tr> </tbody> </table> | FHP/HFWJ | | PINS | CURRENT RATING (PER CONTACT) | 1 | 13.1 A | 2 | 11.2 A | 3 | 10.3 A | 4 | 9.2 A | 24 | 6.7 A | -T = Matte Tin | | | Leave blank for Through-hole |
| FHP/HFWJ | | | | | | | | | | | | | | | | | | | |
| PINS | CURRENT RATING (PER CONTACT) | | | | | | | | | | | | | | | | | | |
| 1 | 13.1 A | | | | | | | | | | | | | | | | | | |
| 2 | 11.2 A | | | | | | | | | | | | | | | | | | |
| 3 | 10.3 A | | | | | | | | | | | | | | | | | | |
| 4 | 9.2 A | | | | | | | | | | | | | | | | | | |
| 24 | 6.7 A | | | | | | | | | | | | | | | | | | |
| HFWJ = High Temp Header | | | | | -RA = Right-angle (Style -02 & -04 only) | | | | | | | | | | | | | | |
| | | | | | -VS = Surface Mount Requires HFWJ (2 pins/row minimum) Style -05 not available. | | | | | | | | | | | | | | |
| | | | | | -P = Pick & Place Pad (3 Pos. min.) (6.98 mm) .275" min. post height (-VS only) | | | | | | | | | | | | | | |

Specify LEAD STYLE from chart below.

| LEAD STYLE | A | B | C | D | E | F |
|------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------|
| -01 | (11.43) .450 | (4.45) | (10.46) .412 | | | |
| -02 | (12.70) .500 | .175 | (11.73) .462 | (4.45) .175 | (8.13) .320 | (2.54) .100 |
| -04 | (20.55) .809 | (3.96) .156 | (19.10) .752 | (3.96) .156 | (13.56) .534 | (4.95) .195 |
| *-05 | (3.81) .150 | (12.07) .475 | | | | |

*FWJ Only

| JW | NO. OF PINS | 04 | PLATING OPTION | S | STACK HEIGHT | POST HEIGHT | OTHER OPTION |
|----|-------------|----|-------------------|---|--|--|------------------------------|
| | | | -T = Matte Tin | | -“XXX” = Stacker Height (in inches) (0.13 mm) .005" increments Example: -250 = (6.35 mm) .250" | | Leave blank for Through-hole |
| | | | | | | -VS = Surface Mount (2 pins/row minimum) | |
| | | | | | | -“XXX” = Post Height (in inches) | |
| | | | | | | -P = Pick & Place Pad (3 Pos. min.) (6.98 mm) .275" min. post height (-VS only) | |

02 thru 24

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