

JW-13-04-T-S-550-150

FWJ-08-01-T-S

FWJ-05-02-T-S-RA

(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](http://www.samtec.com?FWJ), [www.samtec.com?HFWJ](http://www.samtec.com?HFWJ) or [www.samtec.com?JW](http://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) Ni

**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 = Wave only  
HFWJ, JW = Yes

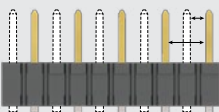
**SMT Lead Coplanarity:**  
(0.20 mm) .008" max (02-16)  
(0.25 mm) .010" max (17-24)

## RECOGNITIONS

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



## CREEPAGE AND CLEARANCE



Selectively loading contacts achieves customer specific creepage and clearance requirements.  
Contact [asp@samtec.com](mailto: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																		
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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) .005" increments Example: -250 = (6.35 mm) .250"		Leave blank for Through-hole
						-“XXX” = Post Height (in inches)	-VS = Surface Mount (2 pins/row minimum)
							-P = Pick & Place Pad (3 Pos. min.) (6.98 mm) .275" min. post height (-VS only)

**02 thru 24**

POST HEIGHT (0.00) .000 MIN  
STACKER HEIGHT (29.21) 1.15 MAX WITH (0.00) .000 POST (8.89) .350 MIN  
STACKER HEIGHT (27.43) 1.080 MAX WITH (0.00) .000 POST (6.35) .250 MIN  
(3.18) .125  
(2.29) .090  
(1.14) .045 SQ

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

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All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.