

(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 = No, Lead Wave only  
HFWJ, JW = Yes

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

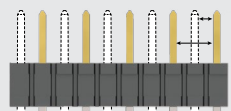
\*(.004" stencil solution may be available; contact IPG@samtec.com)

## RECOGNITIONS

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

**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)  -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.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Samtec:

[JW-02-04-T-S-630-345](#) [JW-02-04-T-S-490-280](#) [JW-08-04-T-S-435-100](#) [JW-02-04-T-S-435-100](#) [JW-04-04-T-S-400-290](#) [JW-06-04-T-S-635-105](#) [JW-07-04-T-S-280-420](#) [JW-08-04-T-S-350-300-VS-P](#) [JW-04-04-T-S-785-105-VS](#) [JW-06-04-T-S-400-250](#) [JW-06-04-T-S-625-009](#) [JW-12-04-T-S-250-090](#) [JW-04-04-T-S-585-100-VS](#) [JW-05-04-T-S-510-275](#) [JW-12-04-T-S-585-100-VS](#) [JW-04-04-T-S-580-100-VS](#) [JW-20-04-T-S-395-156-VS](#) [JW-05-04-T-S-500-090](#) [JW-06-04-T-S-455-275](#) [JW-08-04-T-S-455-275](#) [JW-12-04-T-S-580-100-VS](#) [JW-02-04-T-S-450-090](#) [JW-04-04-T-S-510-275](#) [JW-06-04-T-S-635-185](#) [JW-24-04-T-S-395-156-VS](#) [JW-04-04-T-S-600-290-VS](#) [JW-10-04-T-S-280-250](#) [JW-14-04-T-S-400-290](#) [JW-02-04-T-S-420-305-VS](#) [JW-10-04-T-S-250-090](#) [JW-10-04-T-S-300-500](#) [JW-14-04-T-S-600-290-VS](#) [JW-06-04-T-S-625-090](#) [JW-05-04-T-S-635-185](#) [JW-06-04-T-S-290-200](#) [JW-05-04-T-S-635-105](#) [JW-06-04-T-S-400-100](#) [JW-10-04-T-S-400-250](#) [JW-10-04-T-S-500-225](#) [JW-10-04-T-S-650-110](#) [JW-11-04-T-S-250-090](#) [JW-04-04-T-S-437-270](#) [JW-04-04-T-S-600-290](#) [JW-08-04-T-S-455-275-VS-P](#) [JW-09-04-T-S-280-250](#) [JW-12-04-T-S-380-250](#) [JW-02-04-T-S-500-100](#) [JW-12-04-T-S-400-250](#) [JW-07-04-T-S-450-250](#) [JW-11-04-TM-S-405-170](#) [JW-14-04-T-S-280-450](#) [JW-20-04-T-S-350-225](#) [JW-03-04-T-S-320-500](#) [JW-04-04-T-S-400-200](#) [JW-03-04-TM-S-450-250-VS](#) [JW-03-04-T-S-280-250](#) [JW-03-04-T-S-350-140](#) [JW-05-04-T-S-540-300](#) [JW-05-04-T-S-750-150](#) [JW-06-04-TM-S-430-160](#) [JW-08-04-T-S-400-150](#) [JW-02-04-T-S-650-150](#) [JW-03-04-TM-S-450-250](#) [JW-04-04-T-S-300-450](#) [JW-04-04-T-S-650-250](#) [JW-06-04-T-S-315-410](#) [JW-03-04-T-S-634-195](#) [JW-04-04-T-S-305-300](#) [JW-04-04-T-S-650-150](#) [JW-11-04-T-S-405-250](#) [JW-20-04-T-S-400-300](#) [JW-03-04-T-S-820-090](#) [JW-10-04-T-S-250-190](#) [JW-17-04-T-S-395-500-VS](#) [JW-03-04-T-S-350-140-VS](#) [JW-06-04-TM-S-430-260](#) [JW-08-04-T-S-400-250](#) [JW-14-04-T-S-600-290](#) [JW-16-04-T-S-388-150](#) [JW-16-04-T-S-738-150](#) [JW-09-04-T-S-300-160](#) [JW-02-04-T-S-490-090](#) [JW-04-04-T-S-634-195](#) [JW-06-04-T-S-482-300](#) [JW-06-04-T-S-680-300](#) [JW-10-04-T-S-460-440](#) [JW-06-04-T-S-380-200](#) [JW-04-04-T-S-390-120](#) [JW-12-04-T-S-350-300-VS-P](#) [JW-02-04-T-S-250-235](#) [JW-03-04-T-S-525-250](#) [JW-12-04-T-S-650-300](#) [JW-02-04-T-S-515-150](#) [JW-04-04-T-S-485-120](#) [JW-06-04-T-S-555-310](#) [JW-06-04-T-S-605-325](#) [JW-14-04-T-S-680-300](#) [JW-18-04-T-S-300-160](#) [JW-04-04-T-S-382-298](#) [JW-08-04-T-S-435-235](#)