



(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) or [www.samtec.com?HFWJ](http://www.samtec.com?HFWJ)

**Insulator Material:**  
FWJ = Black Glass Filled Polyester  
HFWJ = Natural Liquid Crystal Polymer

**Terminal Material:**  
Phosphor Bronze

**Plating:**  
Sn over 50µ" (1,27 µm) Ni

**Operating Temp Range:**  
-55°C to +105°C

**RoHS Compliant:** Yes

**Lead-Free Solderable:**  
Wave only

**Processing:**  
Lead-Free Solderable:  
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)



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>ALL</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	ALL	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																		
ALL	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	LEAD STYLE	C	LEAD STYLE	D	E	F
-01	(11,43) .450	(4,45) .175	-01	(10,46) .412	-02	(4,45) .175	(8,13) .320	(2,54) .100
-02	(12,70) .500		-02	(11,73) .462	-02	(3,96) .156	(13,56) .534	(4,95) .195
-04	(20,55) .809	(3,96) .156	-04	(19,10) .752	-04	(3,96) .156		
-05	(3,81) .150	(12,07) .475						

\*FWJ Only

**01 thru 24**

No. of Positions x (3,96) .156

Mates with:  
FHP

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?JW](http://www.samtec.com?JW)

**Insulator Material:**  
Natural Liquid Crystal Polymer

**Terminal Material:**  
Phosphor Bronze

**Plating:**  
Sn over 50µ" (1,27 µm) Ni

**RoHS Compliant:** Yes

**Processing:**  
Lead-Free Solderable: Yes

**SMT Lead Coplanarity:**  
(0,20 mm) .008" max (02-16)  
(0,25 mm) .010" max (17-24)

## RECOGNITIONS

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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
						-“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**

(1,14) .045 SQ TYP

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

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

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