

(3,96mm) .156"

FWJ, HFWJ, JW SERIES

FWJ-08-01-T-S

FWJ-05-02-T-S-RA

POWER HEADERS & BOARD STACKERS

Mates with:
FHP

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?FWJ

FWJ

Insulator Material:
Black Glass Filled
Polyester

Terminal Material:
Phosphor Bronze
Plating:

Sn over 50µ" (1,27µm) Ni
Operating Temp Range:
-55°C to +105°C

RoHS Compliant:
Yes

Lead-Free Solderable:
Wave only

HFWJ

For complete specifications and recommended PCB layouts see www.samtec.com?HFWJ

Same as FWJ except:
Insulator Material:
Natural Liquid Crystal
Polymer

Processing:

Lead-Free Solderable:
Yes

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



TYPE STRIP	NO. OF PINS	LEAD STYLE	PLATING OPTION	S	OTHER OPTION																																																					
FWJ = Standard Header	<table border="1"> <thead> <tr> <th colspan="3">CURRENT RATING</th> </tr> <tr> <th>AMBIENT TEMP</th> <th>2 PINS</th> <th>4 PINS</th> </tr> </thead> <tbody> <tr> <td>20°C</td> <td>19.5A</td> <td>15.5A</td> </tr> <tr> <td>40°C</td> <td>17A</td> <td>14A</td> </tr> <tr> <td>60°C</td> <td>14A</td> <td>11.5A</td> </tr> <tr> <td>75°C</td> <td>11.2A</td> <td>9.2A</td> </tr> </tbody> </table>	CURRENT RATING			AMBIENT TEMP	2 PINS	4 PINS	20°C	19.5A	15.5A	40°C	17A	14A	60°C	14A	11.5A	75°C	11.2A	9.2A	<table border="1"> <thead> <tr> <th>LEAD STYLE</th> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>-01</td> <td>(11,43) .450</td> <td>(4,45) .175</td> </tr> <tr> <td>-02</td> <td>(12,70) .500</td> <td>(3,96) .156</td> </tr> <tr> <td>-04</td> <td>(20,55) .809</td> <td>(12,07) .475</td> </tr> <tr> <td>-05</td> <td>(3,81) .150</td> <td>(12,07) .475</td> </tr> </tbody> </table>	LEAD STYLE	A	B	-01	(11,43) .450	(4,45) .175	-02	(12,70) .500	(3,96) .156	-04	(20,55) .809	(12,07) .475	-05	(3,81) .150	(12,07) .475	<table border="1"> <thead> <tr> <th>LEAD STYLE</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>-01</td> <td>(10,46) .412</td> </tr> <tr> <td>-02</td> <td>(11,73) .462</td> </tr> <tr> <td>-04</td> <td>(19,10) .752</td> </tr> </tbody> </table>	LEAD STYLE	C	-01	(10,46) .412	-02	(11,73) .462	-04	(19,10) .752	<table border="1"> <thead> <tr> <th>LEAD STYLE</th> <th>D</th> <th>E</th> <th>F</th> </tr> </thead> <tbody> <tr> <td>-02</td> <td>(4,45) .175</td> <td>(8,13) .320</td> <td>(2,54) .100</td> </tr> <tr> <td>-04</td> <td>(3,96) .156</td> <td>(13,56) .534</td> <td>(4,95) .195</td> </tr> </tbody> </table>	LEAD STYLE	D	E	F	-02	(4,45) .175	(8,13) .320	(2,54) .100	-04	(3,96) .156	(13,56) .534	(4,95) .195	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.) (6,98mm) .275" min. post height (-VS only)
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HFWJ = High Temp Header																																																										

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

Specify LEAD STYLE from chart below.

01 thru 24

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

*FWJ Only

Mates with:
FHP

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?JW

Insulator Material:
Natural Liquid Crystal
Polymer

Terminal Material:
Phosphor Bronze
Plating:

Sn over 50µ" (1,27µm) Ni
RoHS Compliant:
Yes

Processing:

Lead-Free Solderable:
Yes

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



JW	NO. ROW	04	PLATING OPTION	S	STACK HEIGHT	POST HEIGHT	OTHER OPTION
			-T = Matte Tin		-“XXX” = Stacker Height (in inches) (0,13mm) .005" increments Example: -250 = (6,35mm) .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.) (6,98mm) .275" min. post height (-VS only)

02 thru 24

(1,14) .045 SQ TYP

(3,96) .156 TYP

(27,43) 1.080 MAX WITH (0,00) .000 POST (6,35) .250 MIN

(3,18) .125

(2,29) .090

Note: This Series is non-standard, non-returnable.

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

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