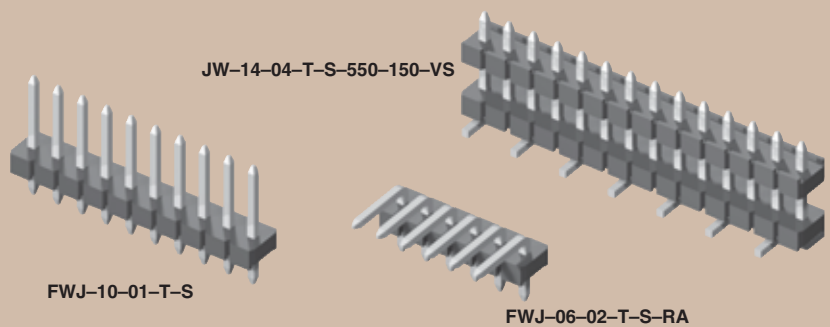




.156" POWER HEADERS FWJ, HFWJ, JW SERIES

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:

Max Processing Temp:

230°C for 60 seconds,

or 260°C for 20 seconds 3x

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>18.8A</td> <td>15.2A</td> </tr> <tr> <td>40°C</td> <td>16.5A</td> <td>13.1A</td> </tr> <tr> <td>60°C</td> <td>13.5A</td> <td>10.8A</td> </tr> <tr> <td>75°C</td> <td>11A</td> <td>8.7A</td> </tr> </tbody> </table>	CURRENT RATING			AMBIENT TEMP	2 PINS	4 PINS	20°C	18.8A	15.2A	40°C	16.5A	13.1A	60°C	13.5A	10.8A	75°C	11A	8.7A	<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></td> </tr> <tr> <td>-04</td> <td>(20,55) .809</td> <td>(3,96) .156</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		-04	(20,55) .809	(3,96) .156	-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

(3,18) .125

(1,14) .045 SQ TYP

(3,96) .156 TYP

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:

Max Processing Temp:

230°C for 60 seconds,

or 260°C for 20 seconds 3x

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

(3,18) .125

(1,14) .045 SQ TYP

(3,96) .156 TYP

POST HEIGHT (0,00) .000 MIN

STACKER HEIGHT (22,61) .890 MAX WITH (0,00) .000 POST (8,89) .350 MIN

(2,29) .090

CURRENT RATING	
AMBIENT TEMP	FHP/JW
20°C	16.9A
40°C	14.6A
60°C	12.1A
75°C	9.9A

6 POSITIONS POWERED

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

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