

FWJ-08-01-T-S

FWJ-05-02-T-S-RA

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

(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, www.samtec.com?HFWJ or 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 μ m (1.27 μ m) 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)*

*(.004" stencil solution

may be available; contact

IPG@samtec.com)

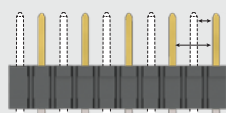
RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



FILE NO. E111594

CREEPAGE AND CLEARANCE



Selectively loading contacts achieves customer specific creepage and clearance requirements.

Contact 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																			
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1		13.1 A																	
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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) .175	(10.46) .412			
-02	(12.70) .500		(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
						-“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

STACK HEIGHT (29.21) 1.15 MAX WITH (0.00) .000 POST (8.89) .350 MIN

(1.14) .045 SQ

(3.96) .156 TYP

STACK HEIGHT (27.43) 1.08 MAX (6.35) .250 MIN

(3.18) .125

(2.29) .090

(31.75) 1.25 MAX

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

WWW.SAMTEC.COM

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.