

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

FWJ, HFWJ, JW SERIES

POWER HEADERS & BOARD STACKERS

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" (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

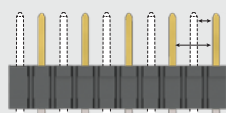
Lead-Free Solderable:
FWJ = Wave only
HFWJ, JW = Yes
SMT Lead Coplanarity:
(0.20 mm) .008" max (02-16)*
(0.25 mm) .010" max (17-24)*
*(.004" stencil solution
may be available; contact
IPG@samtec.com)

RECOGNITIONS

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



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

HFJW
= High Temp Header

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

-RA
= Right-angle (Style -02 & -04 only)

-VS
= Surface Mount Requires HFJW (2 pins/row minimum) Style -05 not available.

-P
= Pick & Place Pad (3 Pos. min., (6.98 mm) .275" min. post height (-VS only))

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

01 thru 24

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**

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

—T
= Matte Tin

—“XXX”
= Stacker Height
(in inches) (0.13 mm) .005" increments
Example: ~250 = (6.35 mm) .250"

—VS
= Surface Mount
(2 pins/row minimum)

—“XXX”
= Post Height
(in inches)

—P
= Pick & Place Pad
(3 Pos. min.)
(6.98 mm) .275" min.
post height (—VS only)

02 thru 24

Diagram showing dimensions for the 02 thru 24 pin connector:

- POST HEIGHT (0.00) .000 MIN
- STACK HEIGHT (29.21) 1.15 MAX WITH (0.00) .000 POST (8.89) .350 MIN
- (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
- (1.14) .045 SQ

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

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*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.*