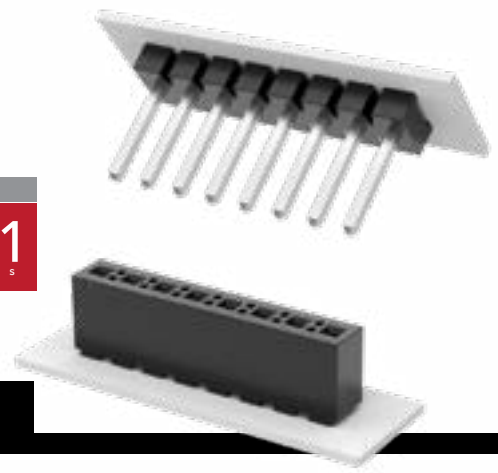


# POWER HEADERS, STACKERS & SOCKETS

(3.96 mm) .156" PITCH • FWJ, HFWJ, JW, FHP SERIES

MAX  
13.1  
A m p s



## FWJ, HFWJ, JW Board Mates:

FHP

## FHP

Board Mates:

FWJ, HFWJ, JW

## SPECIFICATIONS

### Insulator Material:

FWJ = Black Glass Filled Polyester  
HFWJ, JW = Natural Liquid Crystal Polymer  
FHP = Black LCP

### Terminal Material

(FWJ, HFWJ, JW):

Phosphor Bronze

Contact Material (FHP):

BeCu

### Plating:

Sn over 50  $\mu$ " (1.27  $\mu$ m) Ni

Operating Temp Range:

-55 °C to +105 °C

### Voltage Rating:

600 VAC/845 VDC

### Insertion Depth (FHP):

(3.57 mm) .140" to

(8.76 mm) .345" or

pass-through from top

Wiping Distance (FHP):

(0.38 mm) .015"

## PROCESSING

### Lead-Free Solderable:

FWJ = No, Lead Wave only

HFWJ, JW, FHP = Yes

### SMT Lead Coplanarity:

HFWJ, FWJ, JW = (0.20 mm)

.008" max (02-16)\*

(0.25 mm) .010" max (17-24)\*

FHP = (0.15 mm) .006" max\*

\*(.004" stencil solution

may be available; contact

ipg@samtec.com)

SERIES	NO. OF PINS	LEAD STYLE	PLATING OPTION	S	OTHER OPTIONS
--------	-------------	------------	----------------	---	---------------

FWJ  
Standard Header

01 thru 24

Specify  
LEAD  
STYLE  
from  
chart  
below

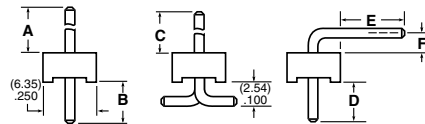
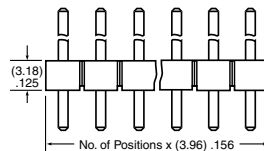
-T  
= Matte Tin

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.)  
(6.98 mm) .275" min. post height  
(-VS only)



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 OPTIONS
----	-------------	----	----------------	---	--------------	-------------	---------------

02 thru 24

-T  
= Matte Tin

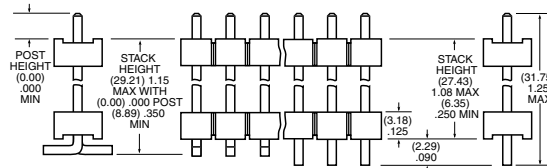
- "XXX"  
= Stacker Height  
(in inches)  
(0.13 mm) .005" increments

- "XXX"  
= Post Height  
(in inches)

Leave blank for Through-hole

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

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



FHP	NO. OF PINS	LEAD STYLE	PLATING OPTION	S	OTHER OPTIONS
-----	-------------	------------	----------------	---	---------------

02 thru 24

-01  
= Through-hole

-T  
= Matte Tin

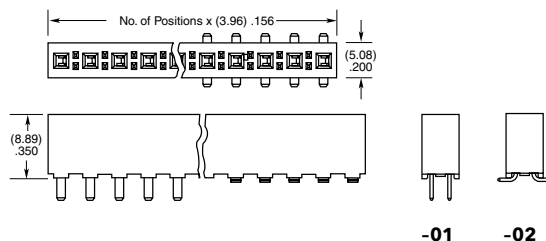
-02  
= Surface Mount

-LC  
= Locking Clip  
(Manual placement required)  
(-02 lead style only)

-TR  
= Tape & Reel Packaging  
(Available on positions 2-18)  
(-02 lead style only)

-K  
= (6.50 mm) .256" DIA  
Polyimide film  
Pick & Place Pad  
(2-4 positions require -"X"R)  
(-02 lead style only)

-FR  
= Full Reel  
Tape & Reel  
(must order max. quantity per reel; contact Samtec for quantity breaks)  
(Available on positions 2-18)  
(-02 lead style only)



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

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Samtec:](#)

[FHP-07-01-T-S](#) [FHP-16-01-T-S](#) [FHP-03-02-T-S](#) [FHP-05-01-T-S](#) [FHP-03-01-T-S](#) [FHP-15-01-T-S](#) [FHP-20-01-T-S](#)  
[FHP-14-01-T-S](#) [FHP-09-01-T-S](#) [FHP-02-02-T-S-K-TR](#) [FHP-08-01-T-S](#) [FHP-11-01-T-S](#) [FHP-10-02-T-S](#) [FHP-04-01-T-S](#)  
[FHP-06-01-T-S](#) [FHP-02-01-T-S](#) [FHP-02-02-T-S](#) [FHP-10-01-T-S](#) [FHP-21-01-T-S](#) [FHP-12-01-T-S](#) [FHP-04-02-T-S](#)  
[FHP-13-01-T-S](#) [FHP-08-02-T-S](#) [FHP-03-01-TM-S](#) [FHP-04-02-T-S-LC](#) [FHP-04-02-T-S-K-TR](#) [FHP-02-02-T-S-TR](#)  
[FHP-03-02-T-S-LC](#) [FHP-06-01-T-S-TR](#) [FHP-02-02-T-S-LC](#) [FHP-21-02-T-S](#) [FHP-03-02-T-S-LC-TR](#) [FHP-10-02-T-S-K](#)  
[FHP-10-02-T-S-LC-TR](#) [FHP-11-02-T-S-LC](#) [FHP-08-02-T-S-LC-K](#) [FHP-12-02-T-S](#) [FHP-20-02-T-S](#) [FHP-06-02-T-S](#)  
[FHP-16-02-T-S](#) [FHP-18-01-T-S](#) [FHP-05-02-T-S-K](#) [FHP-22-01-T-S](#) [FHP-06-02-T-S-K](#) [FHP-22-02-T-S](#) [FHP-08-02-T-S-LC](#)  
[FHP-09-02-T-S-K](#) [FHP-24-01-T-S](#) [FHP-14-02-T-S-LC](#) [FHP-24-02-T-S](#) [FHP-02-02-T-S-LC-K-TR](#) [FHP-06-02-TM-S-LC-TR](#)  
[FHP-03-02-T-S-A](#) [FHP-05-02-T-S-K-TR](#) [FHP-05-02-T-S-LC-K-TR](#) [FHP-06-02-T-S-LC-TR](#) [FHP-08-02-TM-S-A](#)  
[FHP-03-02-T-S-TR](#) [FHP-07-01-TM-S](#) [FHP-07-02-T-S-LC](#) [FHP-12-01-TM-S](#) [FHP-12-02-TM-S-LC](#) [FHP-18-02-T-S-LC](#)  
[FHP-04-01-T-S-TR](#) [FHP-04-02-T-S-A](#) [FHP-19-01-T-S](#) [FHP-03-02-TM-S](#) [FHP-10-01-TM-S](#) [FHP-10-02-T-S-LC-K-TR](#)  
[FHP-12-02-TM-S-LC-TR](#) [FHP-12-02-T-S-K-TR](#) [FHP-23-01-T-S](#) [FHP-02-02-TM-S-LC-K-TR](#) [FHP-08-02-TM-S](#)  
[FHP-09-02-T-S-A-K-TR](#) [FHP-12-02-T-S-TR](#) [FHP-16-02-T-S-A-K-TR](#) [FHP-16-02-T-S-LC](#) [FHP-02-02-TM-S-K-TR](#)  
[FHP-06-02-T-S-K-TR](#) [FHP-08-01-TM-S](#) [FHP-16-02-T-S-K](#) [FHP-17-01-T-S](#) [FHP-24-02-TM-S](#) [FHP-05-02-T-S-LC](#)  
[FHP-18-02-T-S](#) [FHP-15-02-T-S-K](#) [FHP-09-02-T-S-K-TR](#) [FHP-10-02-T-S-K-TR](#) [FHP-10-02-T-S-TR](#) [FHP-06-02-T-S-LC](#)  
[FHP-17-02-T-S-LC](#) [FHP-04-01-TM-S](#) [FHP-04-02-TM-S-LC](#) [FHP-04-02-T-S-LC-K-TR](#) [FHP-12-02-TM-S-K](#) [FHP-12-02-TM-S-K-TR](#)  
[FHP-02-02-T-S-A](#) [FHP-02-02-T-S-LC-TR](#) [FHP-06-01-TM-S](#)