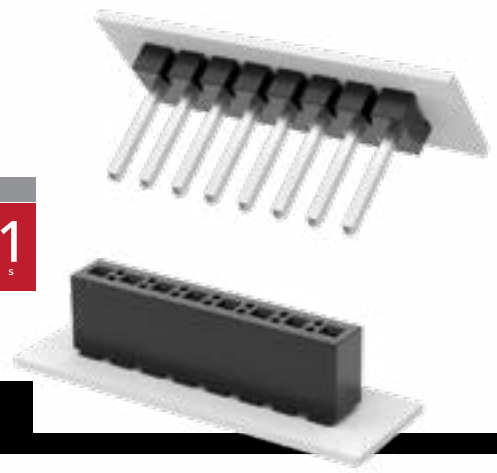


POWER HEADERS, STACKERS & SOCKETS

MAX
13.1
A m p s



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

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 μ" (1.27 μm) 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

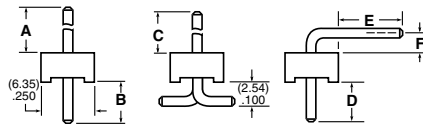
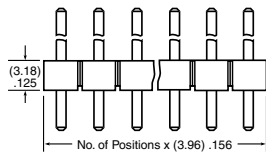
Lead-Free Solderable:
FWJ = No, Lead Wave only
HFWJ, JW, FHP = Yes

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)

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

SERIES	NO. OF PINS	LEAD STYLE	PLATING OPTION	S	OTHER OPTIONS
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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)
HFWJ High Temp Header					



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
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02 thru 24

-T
= Matte Tin

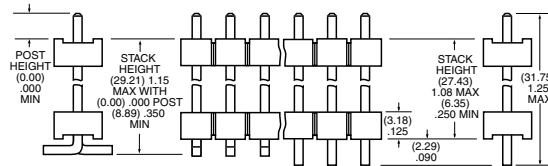
-“XXX”
= Stacker Height (in inches) (0.13 mm) .005" increments

-“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)



Example: -250 = (6.35 mm) .250"

FHP	NO. OF PINS	LEAD STYLE	PLATING OPTION	S	OTHER OPTIONS
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02 thru 24

-01
= Through-hole

-T
= Matte Tin

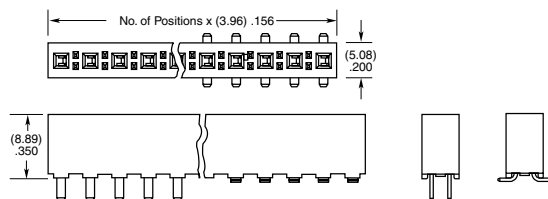
-02
= Surface Mount

-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)



-01 -02

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](#)