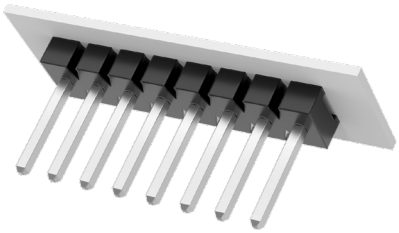
POWER HEADERS, STACKERS & SOCKETS

MAX 13.1 Amps



(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/849 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

FWJ
Standard Header

HFWJ
High Temp Header

01 thru 24

Specify LEAD STYLE from chart below

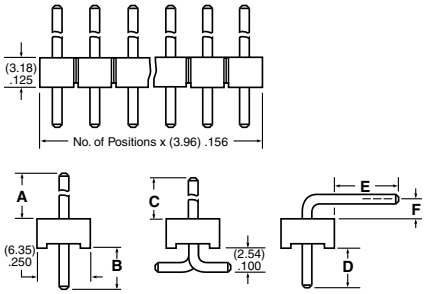
–T
= Matte Tin

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

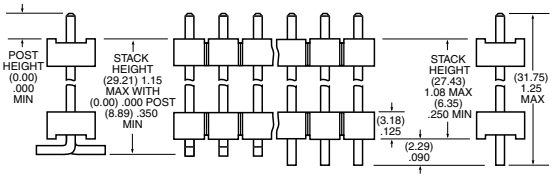
Example: –250 = (6.35 mm) .250"

–"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

–02
= Surface Mount

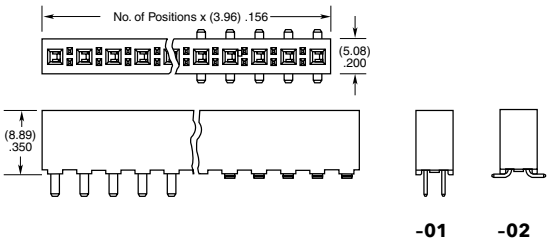
–T
= Matte Tin

–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)



samtec.com?FWJ, samtec.com?HFWJ, samtec.com?JW or samtec.com?FHP

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.