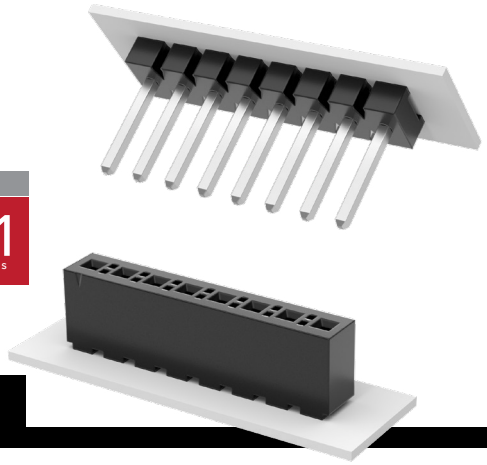
samtec

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

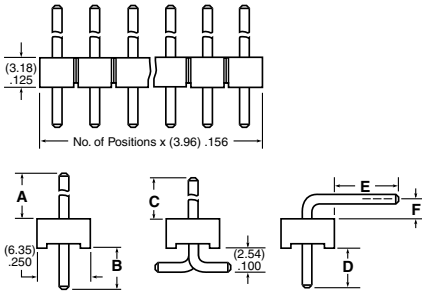
Insulator Material:
FWJ = Black Glass Filled Polyester
HFWJ, JW = Natural Liquid Crystal Polymer
FHP = Black LCP
Terminal Material (FWJ, HFWJ, JW):
Phosphor Bronze
Contact Material (FHP):
BeCu
Plating:
Sn over 50 µ" (1.27 µm) Ni
Operating Temp Range:
-55 °C to +105 °C
Voltage Rating:
600 VAC/849 VDC
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.

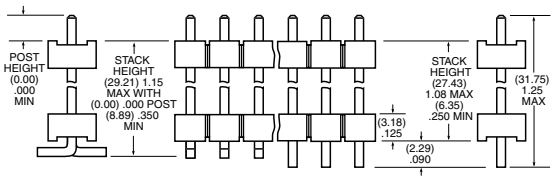
SERIES	NO. OF PINS	LEAD STYLE	PLATING OPTION	S	OTHER OPTIONS
FWJ Standard Header **HFWJ** High Temp Header	01 thru 24	Specify LEAD STYLE from chart below	–T = Matte Tin		Leave blank for Through-hole **–RA** = Right-angle (Style –02 & –04 only) **–VS** = Surface Mount Requires HFWJ (2 pins/row minimum) Style –05 not available. **–P** = Pick & Place Pad (3 Pos. min.) (6.98 mm) .275" min. post height (–VS only)



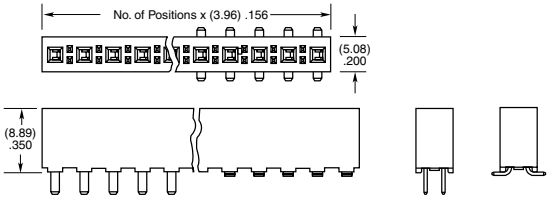
LEAD STYLE	A	B	C	D	E	F
–01	(11.43) .450	(4.45) .175	(10.46) .412	–	–	–
–02	(12.70) .500		(11.73).462	(4.45) .175	(8.13) .320	(2.54) .100
–04	(20.55) .809	(3.96) .156	(19.10) .752	(3.96) .156	(13.56) .534	(4.95) .195
–05*	(3.81) .150	(12.07) .475	–	–	–	–

*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) **–K** = (6.50 mm) .256" DIA Polyimide film Pick & Place Pad (2-4 positions require –"X"R) (–02 lead style only) **–TR** = Tape & Reel Packaging (Available on positions 2-18) (–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

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.