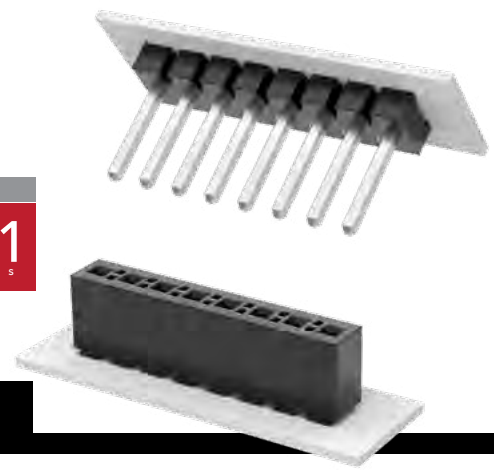


POWER HEADERS, STACKERS & SOCKETS

(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 μ " (1.27 μ 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
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FWJ
Standard
Header

01 thru 24

Specify
LEAD
STYLE
from
chart
below

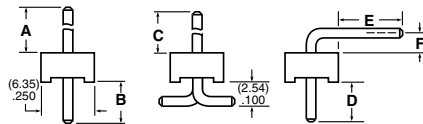
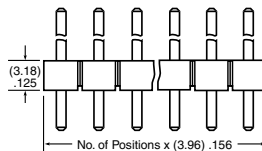
-T
= Matte Tin

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)



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

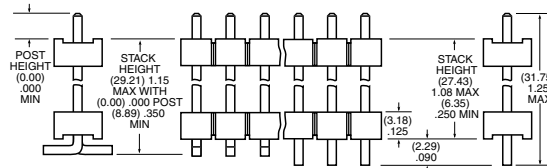
- "XXX"
= Stacker
Height
(in inches)
(0.13 mm) .005"
increments

- "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)



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

-01
= Through-hole

-T
= Matte Tin

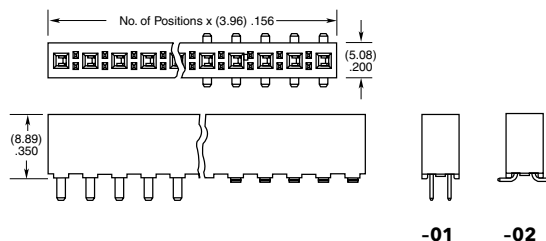
-02
= Surface Mount

-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)



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

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

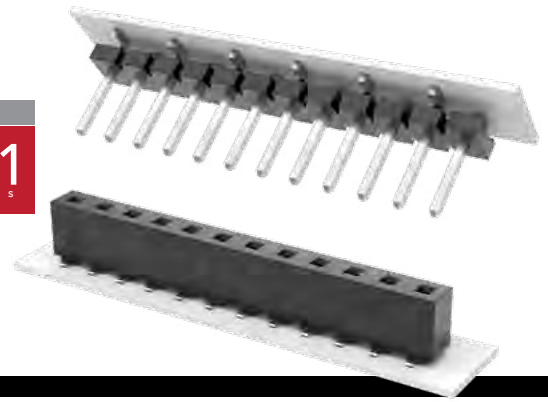
F-221 (Rev 11FEB21)

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.

POWER HEADERS, STACKERS & SOCKETS

(5.08 mm) .200" PITCH • HPM, HPW, HPF SERIES

MAX
16.1
A m p s



HPM, HPW
Board Mates:
HPF

HPF
Board Mates:
HPM, HPW

SPECIFICATIONS

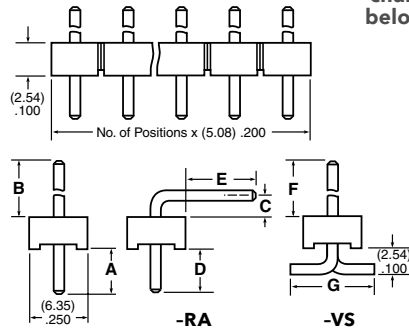
Insulator Material:
HPW/HPM = Glass Filled Polyester (Through-hole), Natural Liquid Crystal Polymer (Surface Mount)
HPF = Black LCP
Terminal Material (HPM/HPW):
Copper Alloy
Contact Material (HPF):
BeCu
Plating:
Sn over 50 μ " (1.27 μ m) Ni
Operating Temp Range:
-55 °C to +105 °C
Voltage Rating:
HPM/HPF = 850 VAC/1200 VDC
Insertion Depth (HPF):
(3.68 mm) .145" to (8.26 mm) .325" (.368" (9.35 mm) plus board thickness minimum for bottom entry)
Wiping Distance (HPF):
(0.38 mm) .015"

PROCESSING

Lead-Free Solderable:
HPW-VS, HPM-VS, HPF = Yes
HPM -TH, HPM -RA & HPW -TH = No, Lead Wave only
SMT Lead Coplanarity:
HPM = (0.20 mm) .008" max (02-15)*
HPM = (0.25 mm) .010" max (16-20)*
HPW = (0.20 mm) .008" max* (02-10)*
HPF = (0.15 mm) .006" max (02-10)*
(0.20 mm) .008" max (11-20)*
*(.004" stencil solution may be available; contact ipg@samtec.com)

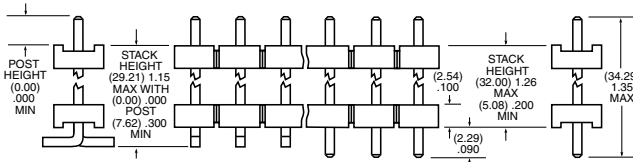
Note:
Some lengths, styles and options are non-standard, non-returnable.

HPM	NO. OF PINS	LEAD STYLE	PLATING OPTION	S	TAIL OPTION	OTHER OPTION
High Temp High Power Header	01 thru 20	Specify LEAD STYLE from chart below	-T = Matte Tin		Leave blank for Through-hole -RA = Right-angle (-02 & -04 lead style only) -VS = Surface Mount (2 pins/row minimum) (-01 & -02 lead style only)	-P = Pick & Place Pad (3 Pos. min.) (-VS only) (Not Available with -05 lead style)



LEAD STYLE	A	B	C	D	E	F	G
-01	(4.57) .180	(11.94) .470	-	-	-	(10.72) .422	(8.64) .340
-02	(4.57) .180	(13.21) .520	(2.54) .100	(4.57) .180	(8.08) .318	(12.24) .482	(8.38) .330
-04	(4.09) .161	(21.06) .829	(4.95) .195	(3.96) .156	(13.82) .544	-	-
-05	(4.57) .180	(3.81) .150	-	-	-	-	-

HPW	NO. OF PINS	PLATING OPTION	S	STACK HEIGHT	POST HEIGHT	OTHER OPTIONS
High Temp High Power	02 thru 20	-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)



HPF	NO. OF PINS	LEAD STYLE	PLATING OPTION	S	OTHER OPTIONS
	02 thru 20	-01 = Through-hole -02 = Surface Mount	-T = Matte Tin		-LC = Locking Clip (Manual placement required) (-02 lead style only) -TR = Tape & Reel Packaging (14 positions max.) (Style -02 only) -FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (14 positions max.) (Style -02 only) -K = (6.50 mm) .256" DIA Polyimide film Pick & Place Pad

