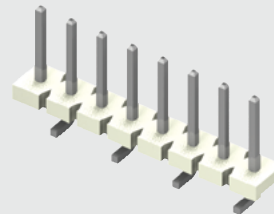
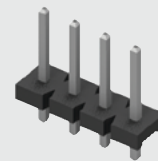


HPW-06-04-T-S-350-150



HPM-04-01-T-S



(5.08 mm) .200"

HPM, HPW SERIES

POWER HEADERS & BOARD STACKERS

HPM & HPW Mates with:
HPF

SPECIFICATIONS

For complete specifications see www.samtec.com?HPM or www.samtec.com?HPW

Insulator Material:
HPM = Glass Filled Polyester (Through-hole),
Natural Liquid Crystal Polymer (Surface Mount)
HPW = Liquid Crystal Polymer

Terminal Material:
Copper Alloy

Plating:
Sn over 50 μ " (1.27 μ m) Ni

Operating Temp Range:
-55 °C to +105 °C

Voltage Rating:
HPM = 850 VAC/1200 VDC

Standard Creepage:
(3.94 mm) .155"

Standard Clearance:
(3.94 mm) .155"

RoHS Compliant:
Yes

PROCESSING

Lead-Free Solderable:
HPM Surface Mount = Yes
HPM TH & RA = Wave only
HPW = Yes

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*
*(.004" stencil solution may be available; contact IPG@samtec.com)

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



FILE NO. E111594

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

TYPE STRIP

NO. PINS

LEAD STYLE

PLATING OPTION

S

TAIL OPTION

OTHER OPTION

HPM
= High Temp
High Power Header

HPF/HPM	
PINS	CURRENT RATING (PER CONTACT)
1	16.6 A
2	14.4 A
3	13.2 A
4	12.7 A
20	8.9 A

-T
= Matte Tin

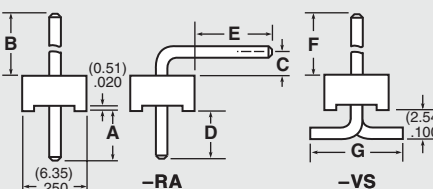
Leave blank for
Through-hole

-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)

Specify LEAD STYLE
from chart below.



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	—	—	—	—	—

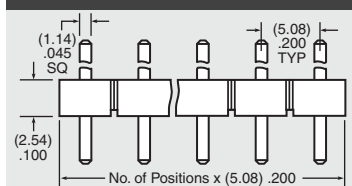
CREEPAGE AND CLEARANCE



Selectively loading contacts achieves customer specific creepage and clearance requirements.

Contact asp@samtec.com

01 thru 20



No. of Positions x (5.08) .200

TYPE STRIP

NO. PINS

04

PLATING OPTION

S

STACK HEIGHT

POST HEIGHT

TAIL OPTION

HPW
= High Temp
High Power

-T
= Matte Tin

-“XXX”
= Stacker Height (in inches)
(0.13 mm) .005" increments
Example: -250 =
(6.35 mm) .250"

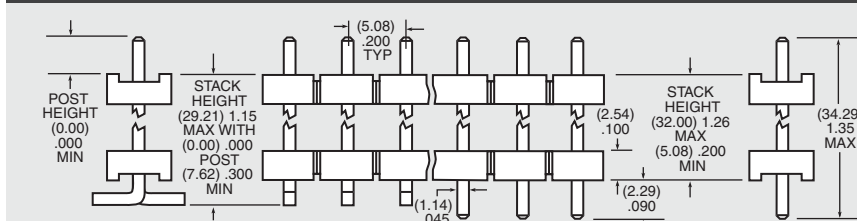
-“XXX”
= Post Height
(in inches)

Leave
blank for
Through-hole

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

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

02 thru 20



Due to technical progress, all designs, specifications and components are subject to change without notice.

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.

Mouser Electronics

Authorized Distributor

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

Samtec:

[HPW-02-04-T-S-645-275](#) [HPW-03-04-T-S-375-090](#) [HPW-03-04-T-S-419-300](#) [HPW-04-04-T-S-200-235](#) [HPW-10-04-T-S-630-110-VS](#) [HPW-10-04-T-S-630-250-VS](#) [HPW-06-04-T-S-400-310](#) [HPW-12-04-T-S-400-325](#) [HPW-05-04-T-S-350-250](#) [HPW-05-04-T-S-650-300](#) [HPW-06-04-T-S-420-275](#) [HPW-04-04-T-S-200-100](#) [HPW-04-04-T-S-380-110-VS](#) [HPW-04-04-T-S-655-110](#) [HPW-14-04-T-S-225-235](#) [HPW-07-04-T-S-500-150](#) [HPW-08-04-T-S-635-236](#) [HPW-06-04-T-S-500-150](#) [HPW-08-04-T-S-419-300](#) [HPW-12-04-T-S-650-300](#) [HPW-03-04-T-S-450-300](#) [HPW-10-04-T-S-262-217](#) [HPW-10-04-T-S-380-300](#) [HPW-04-04-T-S-420-275](#) [HPW-04-04-T-S-655-110-VS](#) [HPW-20-04-T-S-650-250](#) [HPW-04-04-T-S-650-250](#) [HPW-06-04-T-S-250-285](#) [HPW-08-04-T-S-380-250](#) [HPW-02-04-T-S-755-235](#) [HPW-04-04-T-S-416-275](#) [HPW-06-04-T-S-265-270](#) [HPW-08-04-T-S-375-300](#) [HPW-08-04-T-S-650-300](#) [HPW-12-04-T-S-200-250](#) [HPW-20-04-T-S-300-300-VS](#) [HPW-02-04-T-S-750-100](#) [HPW-04-04-T-S-380-250](#) [HPW-04-04-T-S-655-275](#) [HPW-10-04-T-S-820-250](#) [HPW-04-04-T-S-550-215-VS](#) [HPW-04-04-T-S-635-236](#) [HPW-02-04-T-S-625-090](#) [HPW-02-04-T-S-630-190](#) [HPW-04-04-T-S-630-190](#) [HPW-06-04-T-S-400-150](#) [HPW-07-04-T-S-650-170](#) [HPW-14-04-T-S-250-300](#) [HPW-15-04-T-S-800-200](#) [HPW-03-04-T-S-635-110](#) [HPW-10-04-T-S-500-250](#) [HPW-10-04-T-S-540-250](#) [HPW-10-04-T-S-550-250](#) [HPW-03-04-T-S-295-090](#) [HPW-03-04-T-S-505-470](#) [HPW-04-04-T-S-312-150](#) [HPW-05-04-T-S-650-270](#) [HPW-05-04-T-S-750-225](#) [HPW-04-04-T-S-275-275](#) [HPW-05-04-T-S-750-300](#) [HPW-05-04-T-S-750-350](#) [HPW-09-04-T-S-420-150-VS](#) [HPW-02-04-T-S-240-250](#) [HPW-03-04-T-S-200-315](#) [HPW-04-04-T-S-420-150-VS](#) [HPW-06-04-T-S-380-250](#) [HPW-08-04-T-S-295-090](#) [HPW-12-04-T-S-225-300](#) [HPW-20-04-T-S-200-200](#) [HPW-03-04-T-S-205-250](#) [HPW-04-04-T-S-470-275](#) [HPW-04-04-T-S-650-150](#) [HPW-04-04-T-S-650-300](#) [HPW-06-04-T-S-385-285](#) [HPW-10-04-T-S-800-200](#) [HPW-02-04-T-S-250-090](#) [HPW-02-04-T-S-720-235](#) [HPW-04-04-T-S-550-250](#) [HPW-06-04-T-S-400-110](#) [HPW-06-04-T-S-472-512](#) [HPW-07-04-T-S-750-300](#) [HPW-12-04-T-S-250-090](#) [HPW-14-04-T-S-600-100](#) [HPW-04-04-T-S-280-240](#) [HPW-04-04-T-S-332-225-VS](#) [HPW-06-04-T-S-500-000](#) [HPW-20-04-T-S-820-200](#) [HPW-03-04-T-S-510-620](#) [HPW-04-04-T-S-390-150](#) [HPW-04-04-T-S-725-450](#) [HPW-07-04-T-S-380-325](#) [HPW-08-04-T-S-820-000](#) [HPW-02-04-TM-S-750-100](#) [HPW-02-04-T-S-500-500](#) [HPW-03-04-T-S-515-465](#) [HPW-04-04-T-S-375-175](#) [HPW-04-04-T-S-755-245](#) [HPW-05-04-T-S-400-250](#) [HPW-05-04-T-S-785-315](#) [HPW-07-04-T-S-380-245](#)