

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

HPM-04-01-T-S

(5,08 mm) .200"

HPM, HPW SERIES

# POWER HEADERS & BOARD STACKERS

## SPECIFICATIONS

For complete specifications see [www.samtec.com?HPM](http://www.samtec.com?HPM)

**Insulator Material:**  
Glass Filled Polyester (TH)  
Natural Liquid Crystal Polymer (SMT)

**Terminal Material:**  
Copper Alloy

**Plating:**  
Sn over 50µ" (1,27 µm) Ni  
**Operating Temp Range:**  
-55°C to +105°C

**RoHS Compliant:**  
Yes

### Processing:

**Lead-Free Solderable:**

Surface Mount: Yes

Through-hole & Right angle:  
Wave only

**SMT Lead Coplanarity:**  
(0,20 mm) .008" max (02-15)  
(0,25 mm) .010" max (16-20)

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



FILE NO. E111594

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

## TYPE STRIP

## HPM

= High Temp  
High Power Header

**Mates with:**  
HPF

| PINS | HPF/HPM<br>CURRENT RATING<br>(PER CONTACT) |
|------|--------------------------------------------|
| 1    | 16.6 A                                     |
| 2    | 14.4 A                                     |
| 3    | 13.2 A                                     |
| 4    | 12.7 A                                     |
| ALL  | 8.9 A                                      |

## NO. PINS

## LEAD STYLE

## PLATING OPTION

## S

## TAIL OPTION

## OTHER OPTION

-T  
= Matte Tin

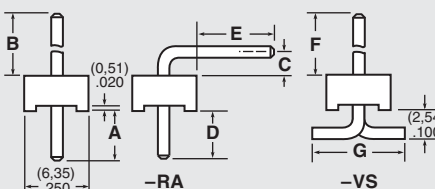
Leave blank for  
Through-hole

-P  
= Pick & Place Pad  
(3 Pos. min.)  
(-VS only)  
(Not Available with -05 lead style)

-RA  
= Right Angle  
(-02 & -04 lead style only)

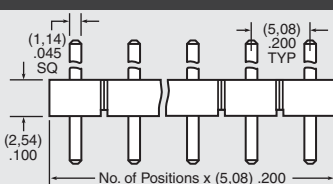
-VS  
= Surface Mount  
(2 pins/row minimum)  
(-01 & -02 lead style only)

## Specify LEAD STYLE from chart below.



| LEAD STYLE | A              | B               | C              | D              | E               | F               | G              |
|------------|----------------|-----------------|----------------|----------------|-----------------|-----------------|----------------|
| -01        | (4,57)<br>.180 | (11,94)<br>.470 | —              | —              | —               | (10,72)<br>.422 | (8,64)<br>.340 |
| -02        | (4,57)<br>.180 | (13,21)<br>.520 | (2,54)<br>.100 | (4,57)<br>.180 | (8,08)<br>.318  | (12,24)<br>.482 | (8,38)<br>.330 |
| -04        | (4,09)<br>.161 | (21,06)<br>.829 | (4,95)<br>.195 | (3,96)<br>.156 | (13,82)<br>.544 | —               | —              |
| -05        | (4,57)<br>.180 | (3,81)<br>.150  | —              | —              | —               | —               | —              |

## 01 thru 20



## SPECIFICATIONS

For complete specifications see [www.samtec.com?HPW](http://www.samtec.com?HPW)

**Insulator Material:**  
Liquid Crystal Polymer

**Terminal Material:**  
Copper Alloy

**Plating:**  
Sn over 50µ" (1,27 µm) Ni  
**Operating Temp Range:**  
-55°C to +105°C

**RoHS Compliant:** Yes

### Processing:

**Lead-Free Solderable:** Yes

**SMT Lead Coplanarity:**  
(0,20 mm) .008" max.

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



FILE NO. E111594



FILE NO. 99007 0 000

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

## TYPE STRIP

## HPW

= High Temp  
High Power

**Mates with:**  
HPF

## NO. PINS

## 04

## PLATING OPTION

## S

## STACK HEIGHT

## POST HEIGHT

## TAIL OPTION

-“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

