



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](http://www.samtec.com?HPM) or [www.samtec.com?HPW](http://www.samtec.com?HPW)

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

**Terminal Material:**  
Copper Alloy

**Plating:**  
Sn over 50 μ" (1.27 μm) 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:**  
HPW & HPM Surface Mount = Yes

HPM -TH, HPM -RA & HPW -TH = 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\*

\*(.004" stencil solution may be available; contact

IPG@samtec.com)

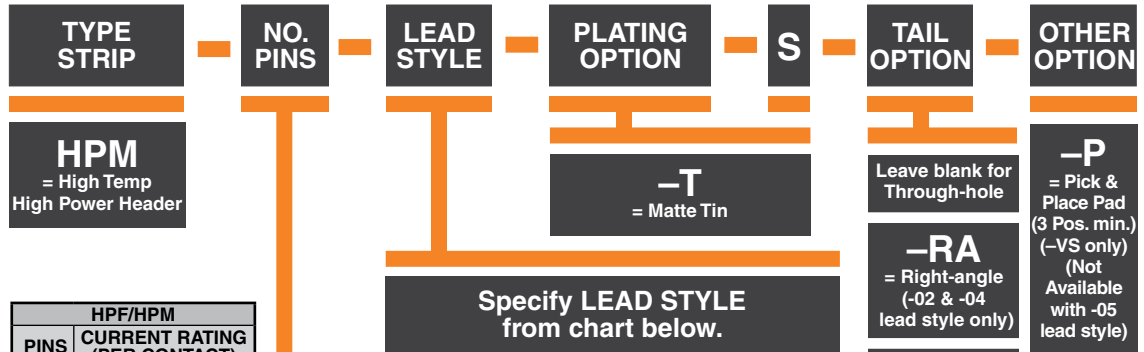
## RECOGNITIONS

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.



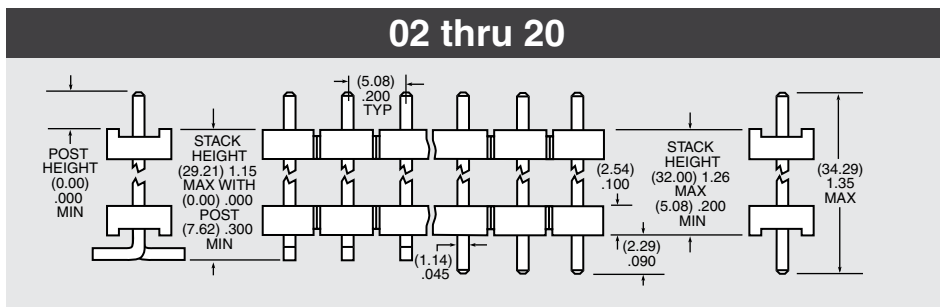
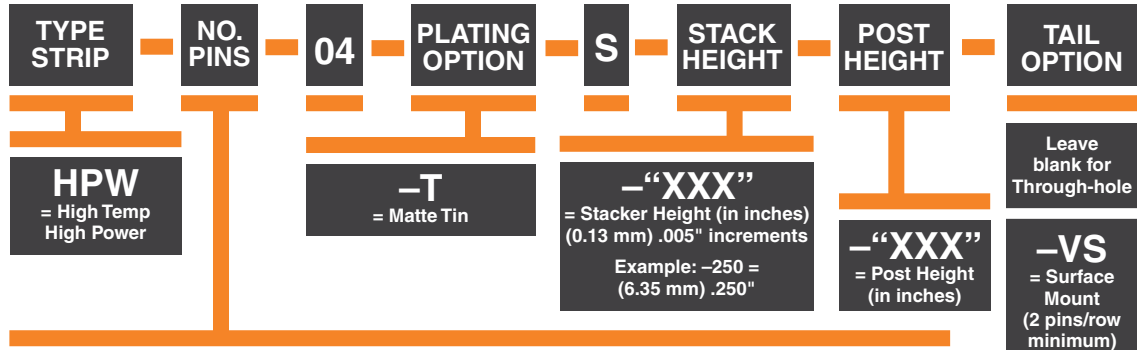
HPF/HPM	
PINS	CURRENT RATING (PER CONTACT)
1	16.6 A
2	14.4 A
3	13.2 A
4	12.7 A
20	8.9 A

**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](mailto:asp@samtec.com)



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