

(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 μm (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:
HPM Surface Mount = Yes
HPM TH & RA = Wave only
HPW = Yes

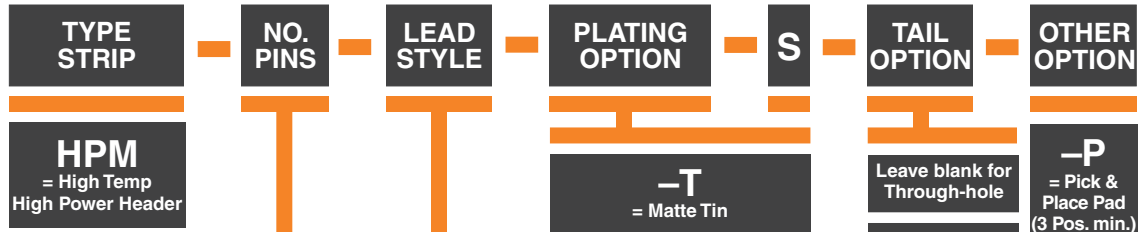
SMT Lead Coplanarity:
HPM = (0.20 mm)
.008" max (02-15)*
HPM = (0.25 mm)
.010" max (16-20)*
HPW = (0.20 mm) .008" max*
*(.004" stencil solution may be available; contact IPG@samtec.com)

RECOGNITIONS

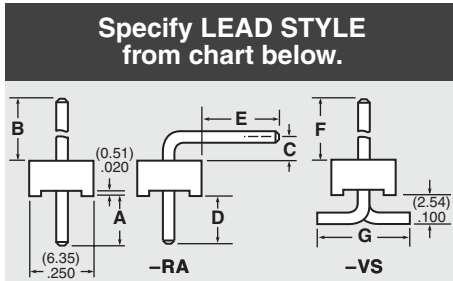
For complete scope of recognitions see www.samtec.com/quality



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

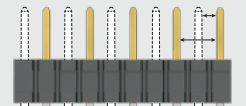


Specify LEAD STYLE from chart below.

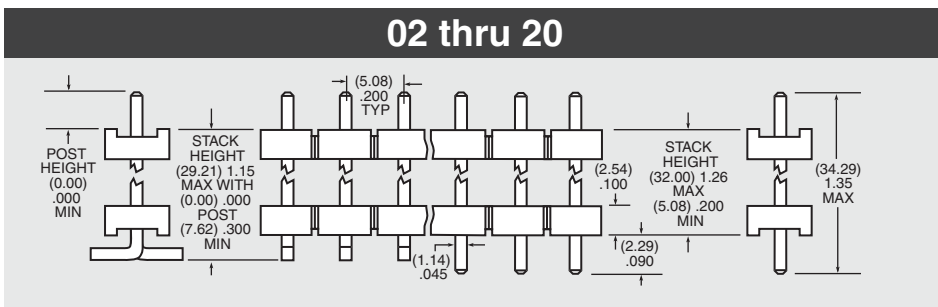
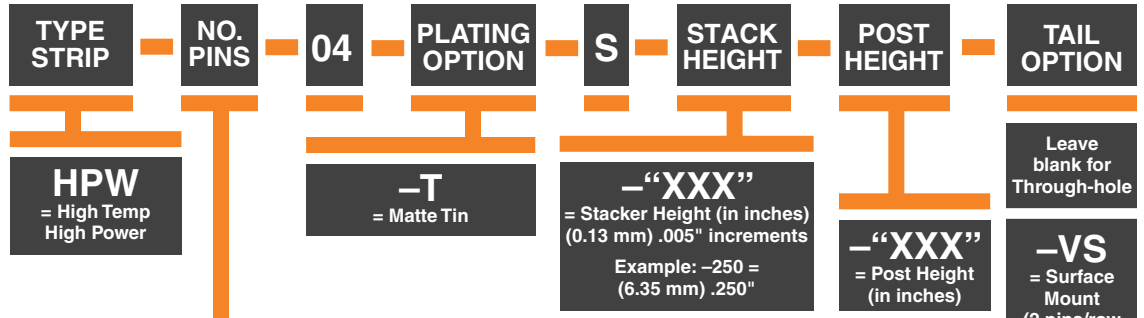
LEAD STYLE	A	B	C	D	E	F	G
-01	(4.57) .180	(11.94) .470	—	—	—	(10.72) .422	(8.64) .340
-02	(4.57) .180	(13.21) .520	(2.54) .100	(4.57) .180	(8.08) .318	(12.24) .482	(8.38) .330
-04	(4.09) .161	(21.06) .829	(4.95) .195	(3.96) .156	(13.82) .544	—	—
-05	(4.57) .180	(3.81) .150	—	—	—	—	—

- 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)

CREEPAGE AND CLEARANCE



Selectively loading contacts achieves customer specific creepage and clearance requirements.
Contact asp@samtec.com



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.