

INTRODUCTION:

Adam Tech .050" HPH Series Pin Headers are a fine pitched, low profile, PCB mounted pin headers intended for limited space applications or where overall size is a factor. Our specially tooled insulators and contacts offer consistent high quality through automated production processes. This series offers an extensive range of single, dual and stacked versions. Each is available in thru-hole PCB or SMT mounting with choice of tin, gold or selective gold plating.

FEATURES:

- Single and Dual Row
- Stacked, Thru-Hole and SMT mounting
- Pin Header and Female Header sets
- Lightweight and Compact
- Hi Temp Insulator available
- Choice of plating

MATING RECEPTACLES:

Mates with all industry standard .050" (1.27mm) pitch female headers with 0.4mm Sq. pins and Low profile receptacle

SPECIFICATIONS:

Material:

Insulator: Nylon 6T or Nylon 46, rated UL94V-0
Insulator Color: Black
Contacts: Brass or Phosphor Bronze

Plating:

U = Gold flash (30u" optional) over nickel underplate
SG = Gold flash (30u" optional) over nickel underplate on contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

Electrical:

Operating voltage: 250V AC max.
Current rating: 1 Amp max
Contact resistance: 20 mΩ max. Initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:

Mating durability: 500 Cycles min.

Temperature Rating:

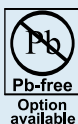
Operating temperature: -40°C to +105°C

PACKAGING:

Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:

UL Recognized File No. E224053
CSA Certified File No. LR1578596

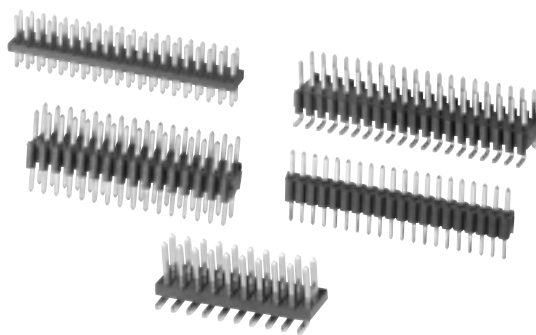


OPTIONS:

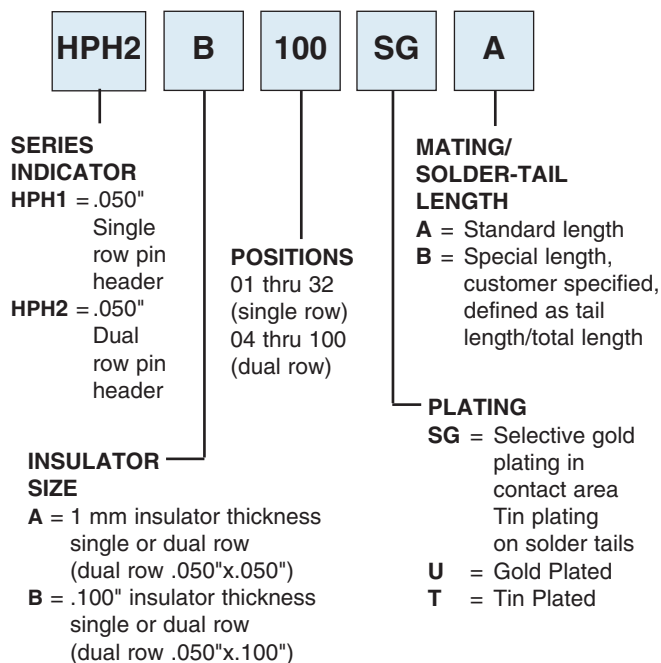
Add designator(s) to end of part number

- 15 = 15 μin gold plating
- 30 = 30 μin gold plating

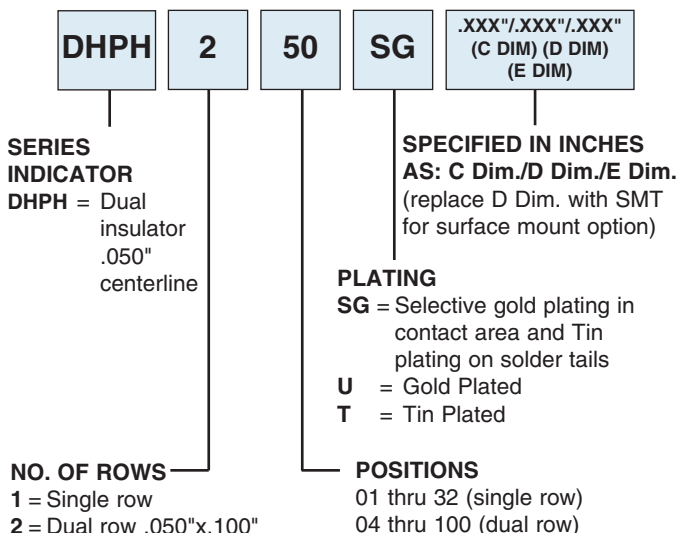
- SMT = Surface mount leads with Hi-Temp insulator
- HT = Hi-Temp insulator for Hi-Temp soldering processes
- RC = RoHS compliant lead-free product with Hi-Temp insulator



ORDERING INFORMATION



ORDERING INFORMATION



<p>Recommended PCB Layout</p>		<p>HPH1-A</p>
<p>Recommended PCB Layout</p>		<p>HPH1-B</p>
<p>Recommended PCB Layout</p>		<p>HPH2-A</p>
<p>Recommended PCB Layout</p>		<p>HPH2-B</p>
<p>Recommended PCB Layout</p>		<p>HPH1-A-SMT</p>
<p>Recommended PCB Layout</p>		<p>HPH1-B-SMT</p>