

### INTRODUCTION

Adam Tech 2PH & D2PH Series 2.0mm Pin Headers offer a full range of fine pitched headers in a variety of configurations including Single, Dual and Three rows, Straight & Right Angle in Thru-Hole or SMT mounting. Their close tolerance .020" sq. posts are smoothly finished and taper tipped to eliminate insertion damage to the PCB or mating connector. Adam Tech 2.0mm Pin Headers can be easily cut into exact sizes as required. Options include stacked insulator versions and choice of tin, gold or selective gold plating. This series is compatible with all industry standard 2.0mm pitch mating connectors.

### FEATURES:

- Single, Dual or Three Row
- Tin, gold or selective gold plating options
- Thru-hole or SMT mounting
- Stacked and Custom length versions available
- Versatile Breakaway design
- Hi Temp Insulator available

### MATING RECEPTACLES:

Mates with all industry standard .050" pitch female headers

### SPECIFICATIONS:

#### Material:

Standard insulator: PBT, glass reinforced, rated UL94V-0  
 Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0  
 Insulator Color: Black  
 Contacts: Brass

#### Plating:

U = Gold flash (30u" optional) over nickel underplate overall  
 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: 1,000 cycles

#### Temperature Rating:

Operating temperature: -55°C to +105°C  
 Soldering process temperature: 260°C

#### PACKAGING:

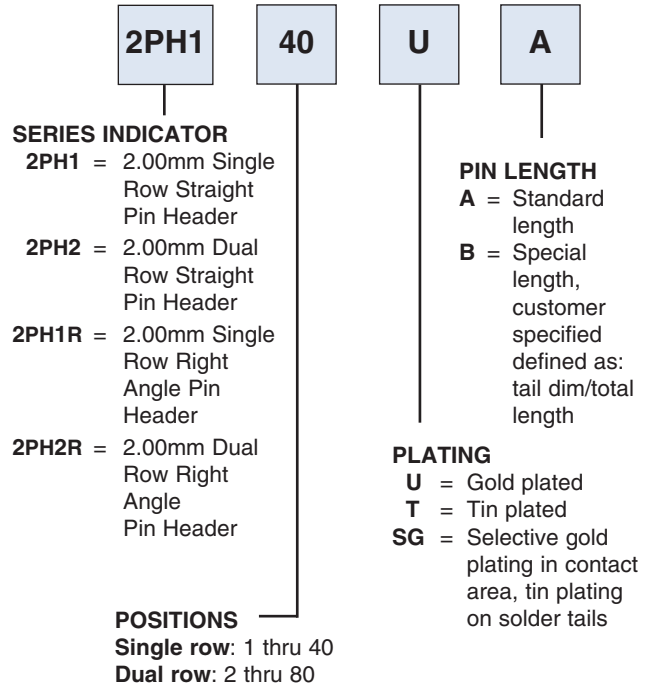
Anti-ESD plastic bags  
 (Tape and Reel available for SMT option)

#### APPROVALS AND CERTIFICATIONS:

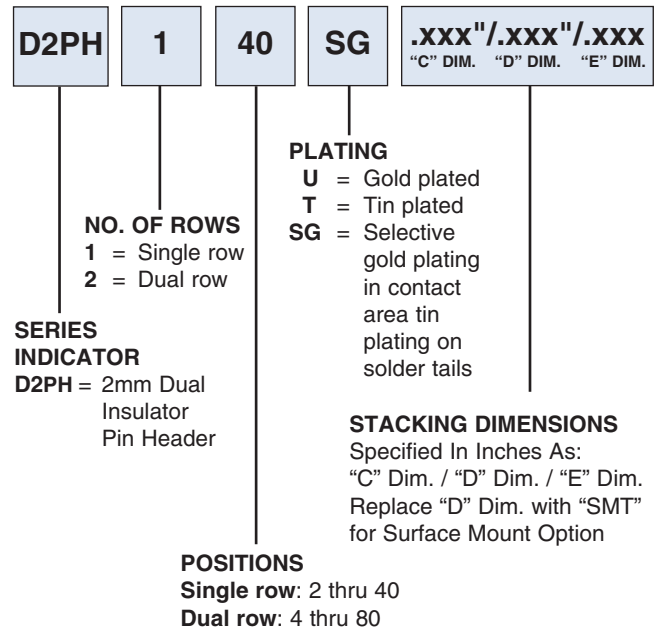
UL Recognized File No. E224053  
 CSA Certified File No. LR1578596



### ORDERING INFORMATION



### ORDERING INFORMATION DUAL INSULATOR HEADERS



### OPTIONS: Add designator(s) to end of part number

- SMT** = Surface Mount leads Dual Row
- SMT-A** = Surface Mount leads Type A
- SMT-B** = Surface Mount Leads Type B
- HT** = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C  
 (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)
- L** = Low profile 1.5mm insulator thickness
- P** = Locating pegs
- BR** = Board retention sold