

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 over nickel underplate overall
SG = Gold 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: -40°C to +105°C
Soldering process temperature: 260°C

PACKAGING:

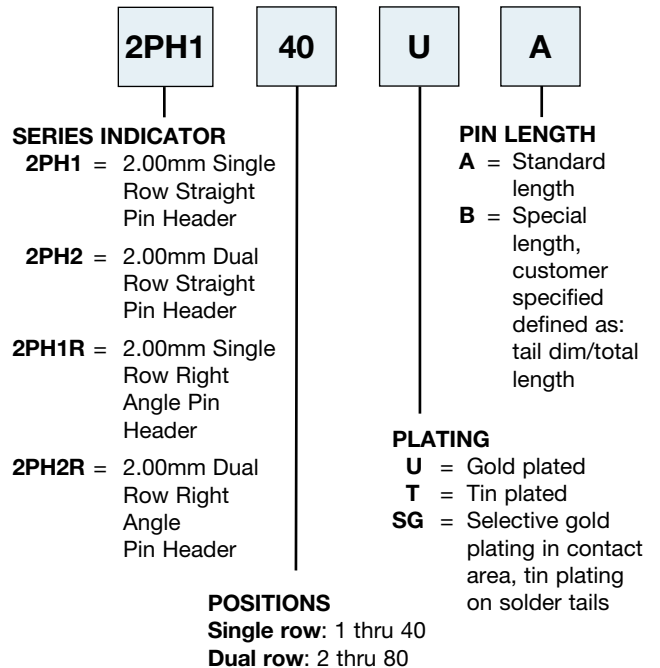
Anti-ESD plastic bags
(Tape and Reel available for SMT option)

APPROVALS AND CERTIFICATIONS:

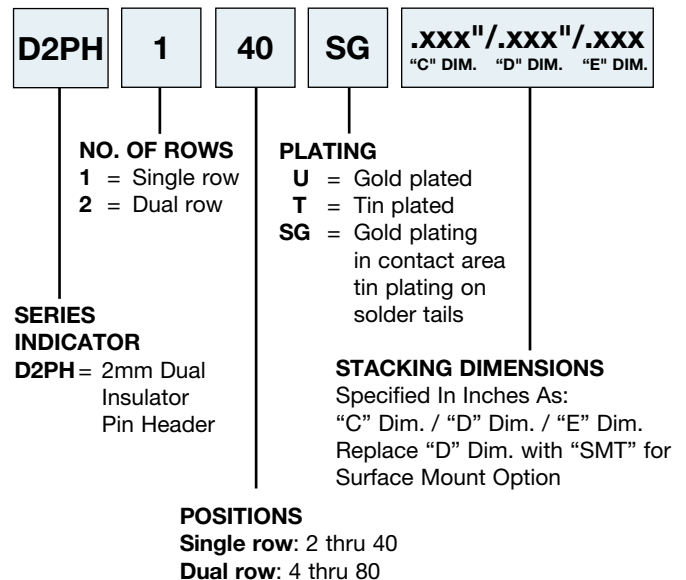
UL Recognized & CSA Certified,
File no. E224053



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 solder tails

<p>A = .079" [2.00] x No. of positions B = .079" [2.00] x No. of spaces</p>	<p>2PH1 2PH1-16-UA</p>	<p>Recommended PCB Layout</p>
<p>A = .079" [2.00] x No. of positions B = .079" [2.00] x No. of spaces</p>	<p>2PH1R 2PH1R-16-UA</p>	<p>Recommended PCB Layout</p>
<p>A = .079" [2.00] x No. of positions B = .079" [2.00] x No. of spaces</p>	<p>2PH2 2PH2-32-UA</p>	<p>Recommended PCB Layout</p>
<p>A = .079" [2.00] x No. of positions B = .079" [2.00] x No. of spaces</p>	<p>2PH2R 2PH2R-32-UA</p>	<p>Recommended PCB Layout</p>

<p>PIN 1</p> <p>TYPE B</p> <p>PIN 1</p> <p>TYPE A</p> <p>A = .079" [2.00] x No. of positions B = .079" [2.00] x No. of spaces</p> <p>.079 [2.00]</p> <p>.059 [1.50]</p> <p>.079 [2.00]</p> <p>.020 [0.50] Sq.</p> <p>.086 [2.20]</p> <p>.165 [4.20]</p> <p>.157 [4.00]</p>	<p>A = .079" [2.00] x No. of positions B = .079" [2.00] x No. of spaces</p>	<p>2PH1 (SMT)</p> <p>2PH1-15-UA-SMT</p> <p>Recommended PCB Layout</p> <p>SMT-A</p> <p>SMT-B</p>
<p>PIN 2</p> <p>PIN 1</p> <p>A = .079" [2.00] x No. of positions B = .079" [2.00] x No. of spaces</p> <p>.157 [4.00]</p> <p>.059 [1.50]</p> <p>.079 [2.00]</p> <p>.020 [0.50] Sq.</p> <p>.086 [2.20]</p> <p>.244 [6.20]</p> <p>.157 [4.00]</p>	<p>A = .079" [2.00] x No. of positions B = .079" [2.00] x No. of spaces</p>	<p>2PH2 (SMT)</p> <p>2PH-26-UA-SMT</p> <p>Recommended PCB Layout</p>
<p>PIN 1</p> <p>A = .079" [2.00] x No. of positions B = .079" [2.00] x No. of spaces</p> <p>.079 [2.00]</p> <p>.020 [0.50] Sq.</p> <p>C</p> <p>D</p> <p>.079 [2.00]</p>	<p>A = .079" [2.00] x No. of positions B = .079" [2.00] x No. of spaces</p>	<p>D2PH-1</p> <p>D2PH1-16-UA-.235 / .100 / .400</p> <p>Recommended PCB Layout</p> <p>ø.031 [0.80]</p> <p>.079 [2.00]</p>
<p>PIN 2</p> <p>PIN 1</p> <p>A = .079" [2.00] x No. of positions B = .079" [2.00] x No. of spaces</p> <p>.157 [4.00]</p> <p>.079 [2.00]</p> <p>.020 [0.50] Sq.</p> <p>C</p> <p>D</p> <p>.079 [2.00]</p>	<p>A = .079" [2.00] x No. of positions B = .079" [2.00] x No. of spaces</p>	<p>D2PH-2</p> <p>D2PH2-32-UA-.235 / .100 / .400</p> <p>Recommended PCB Layout</p> <p>ø.031 [0.80]</p> <p>.079 [2.00]</p>

D2PH-1 (SMT)

A = .079" [2.00] x No. of positions
B = .079" [2.00] x No. of spaces

D2PH-1-12-U-.100/SMT/.240

Recommended PCB Layouts

SMT-A

SMT-B

D2PH-2 (SMT)

A = .079" [2.00] x No. of positions
B = .079" [2.00] x No. of spaces

D2PH-2-16-U-.145/SMT/.360

Recommended PCB Layouts

MS2A

MS2B

MS2C

MS2H-1 RIGID SHORT HANDLE

MS2H-2 FLEXIBLE LONG HANDLE