

INTRODUCTION:

Adam Tech 2PH Series 2.00mm Centerline Pin Headers are designed for compact applications where dense board-to-board or wire-to-board packaging is required. They provide fast one-step installation of multiple posts to PC boards. They mate with a wide range of our board and wire mounted products to form a variety of modular connections. This popular series is available with vertical or angled leads, a variety of contact platings and with thru-hole or surface mount options.

FEATURES:

- Low profile and compact for high density packaging
- Single and double row types
- Breakaway style insulator for added versatility
- Gold, tin or selective gold plating
- Thru-hole or surface mount leads

MATING OPTIONS:

Mates with Adam Tech 2RS and 2CH Series 2.00 mm Receptacles and MS2A and MS2B Mini-Shunts

SPECIFICATIONS:

Insulator: Polybutylene Terephthalate (PBT), glass reinforced thermoplastic, rated UL 94V-0

Contacts: Phosphor Bronze

Plating:

U = 5 µin gold nom. (optional 30 µin) to MIL-G-45204, Type II, Grade C over 50 µin nickel underplate to QQ-N-290, Class 2, Grade C

SG = 5 µin gold nom. (optional 30 µin) on mating length to MIL-G-45204, Type II, Grade C, 100 µin. tin-lead to MIL-P-81728 on solder-tails

T = 100 µin tin-lead to MIL-P-81728, Type 1 over 50 µin copper underplate to MIL-C-14550

Electrical:

Operation voltage: 250 VAC max

Current rating: 2 Amps max

Contact resistance: 20 mΩ max

Insulation resistance: 1000 MΩ min @ 650 VDC between adjacent contacts (75°F and 50% R.H.)

Dielectric withstanding voltage: 650 VDC min rms (sea level)

Mechanical:

Pin pushout force: 4 lbs. min

Mating durability: 1000 cycles min

Soldering processes: Wave, vapor-phase or IR Reflow

Environmental:

Operating temperature: -65°C to +125°C

PACKAGING:

Anti-static plastic bags

APPROVALS AND CERTIFICATIONS:

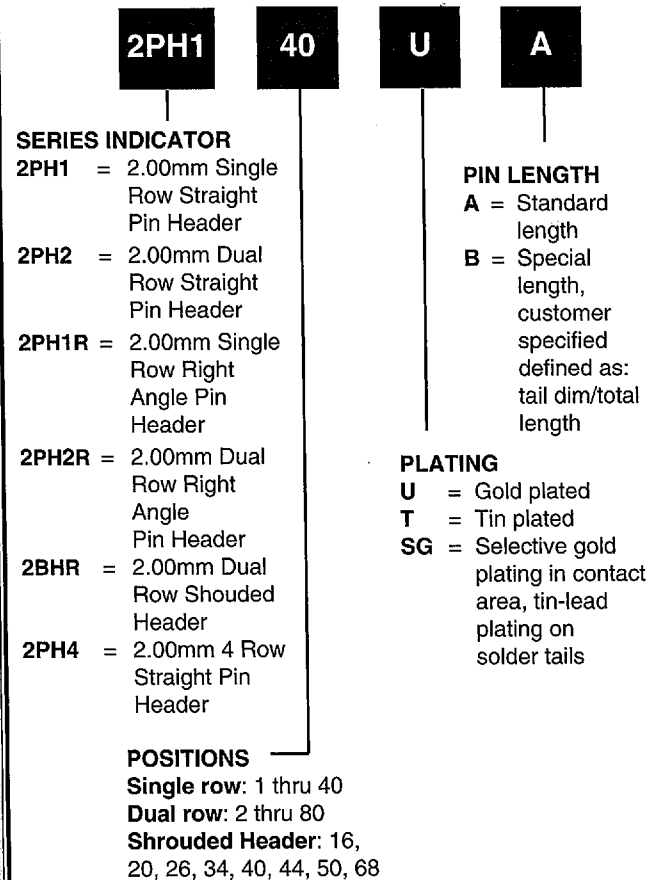
Recognized under the component program

of Underwriters Laboratories, Inc. No. E167232

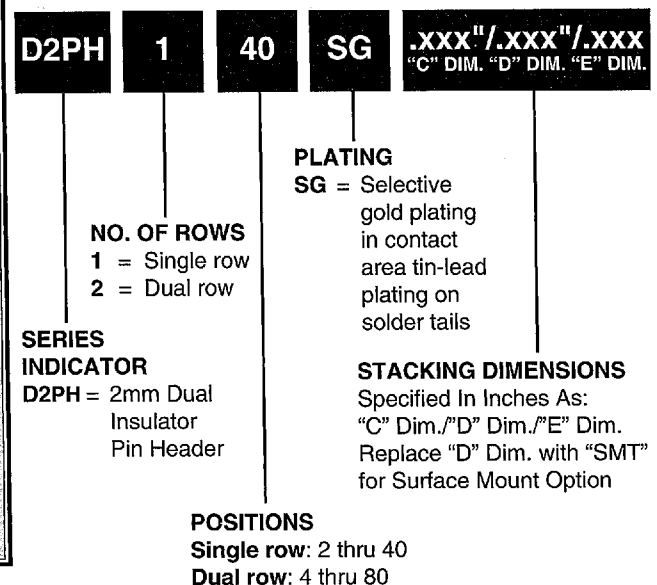
Certified by Canadian Standards Association No. LR75112



ORDERING INFORMATION



ORDERING INFORMATION DUAL INSULATOR HEADERS



OPTIONS: Add as suffix to basic part number

SMT = Surface mount leads **L** = Low profile 1.5mm insulator thickness

P = Locating pegs **BR** = Board retention solder tails

HT = Hi-Temp insulator for IR Reflow or Vapor Phase soldering processes

15 = 15 µin selective gold plating

30 = 30 µin selective gold plating

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<p>2PH1</p> <p>A = .079" [2.00] x No. of Positions B = .079" [2.00] x No. of Spaces</p>	<div data-bbox="1133 500 1476 691"> <p>PC Board Layout</p> <p>Diagrams showing pin spacing and diameter for PC board layout.</p> </div>
<p>2PH1R</p> <p>A = .079" [2.00] x No. of Positions B = .079" [2.00] x No. of Spaces</p>	<div data-bbox="1133 936 1476 1127"> <p>PC Board Layout</p> <p>Diagrams showing pin spacing and diameter for PC board layout.</p> </div>
<p>2PH2</p> <p>A = .079" [2.00] x No. of Positions Per Row B = .079" [2.00] x No. of Spaces</p>	<div data-bbox="1133 1351 1476 1564"> <p>PC Board Layout</p> <p>Diagrams showing pin spacing and diameter for PC board layout.</p> </div>
<p>2PH2R</p> <p>A = .079" [2.00] x No. of Positions Per Row B = .079" [2.00] x No. of Spaces</p>	<div data-bbox="1133 1787 1476 2000"> <p>PC Board Layout</p> <p>Diagrams showing pin spacing and diameter for PC board layout.</p> </div>

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2PH1 - SMT

A = .079 [2.00] X No. of Positions
 B = .100 [2.54] X No. of Spaces
 C = Customer Specified

Solder Pad Layout

2PH2 - SMT

A = .079 [2.00] X No. of Positions
 B = .100 [2.54] X No. of Spaces

Solder Pad Layout

2DPH - 1

2DPH - 2

MS2A

2DHP - 1 - SMT

2DHP - 2 - SMT

MS2B

BOX HEADERS/4 ROW HEADER SET

2.00mm Box Header - Straight Mount

A = .079 [2.00] X (No. of Positions/2-1)
 B = .079 [2.00] X (No. of Positions/2-1) + .315 [8.00]

2BHR

2.00mm Box Header - Right Angle Mount

A = .079 [2.00] X (No. of Positions/2-1)
 B = .079 [2.00] X (No. of Positions/2-1) + .315 [8.00]

2BHR

2.00mm 4 Row Pin Header

A = .079 [2.00] X No. of Positions Per Row

2PH4

2.00mm 4 Row Receptacle Strip

A = .079 [2.00] X No. of Positions Per Row

2RS4

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