

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: -40°C to +105°C
Soldering process temperature: 260°C

PACKAGING:

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

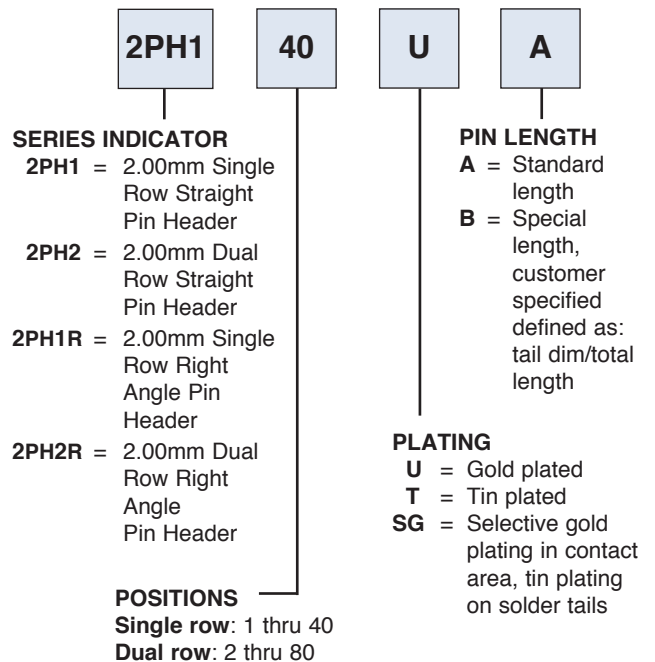
APPROVALS AND CERTIFICATIONS:

UL Recognized & CSA Certified,
File no. E224053

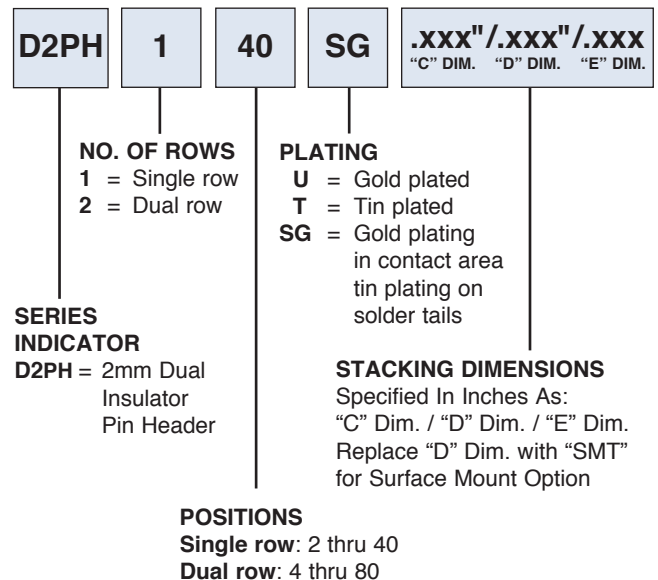
HI-TEMP
INSULATOR
AVAILABLE



ORDERING INFORMATION

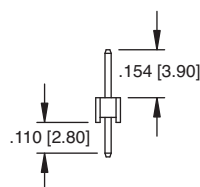
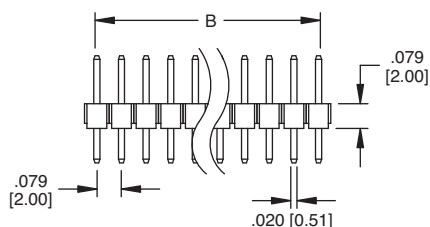
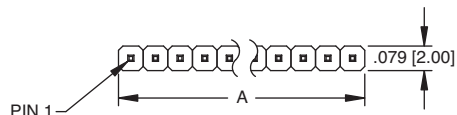


ORDERING INFORMATION DUAL INSULATOR HEADERS



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

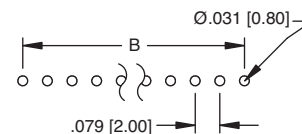


A = .079" [2.00] x No. of positions
B = .079" [2.00] x No. of spaces

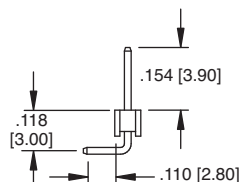
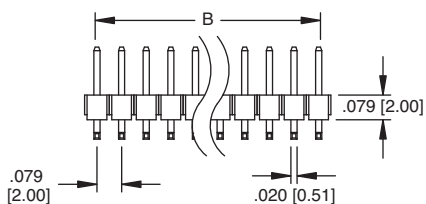
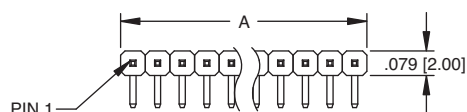


2PH1-16-UA

2PH1



Recommended PCB Layout

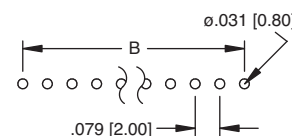


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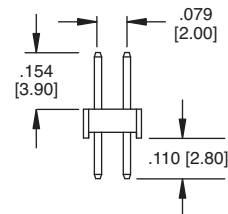
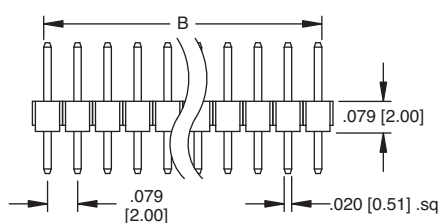
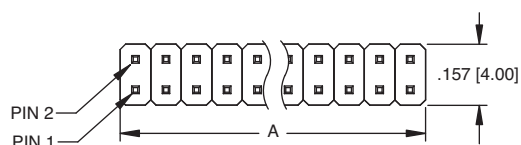


2PH1R-16-UA

2PH1R



Recommended PCB Layout

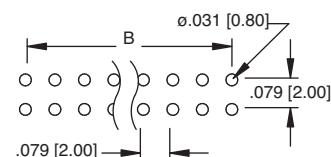


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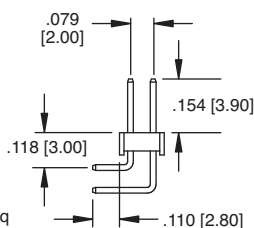
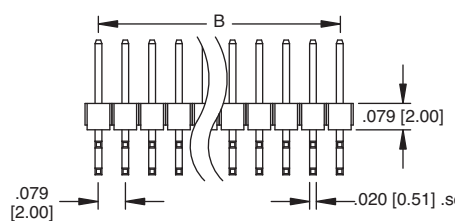
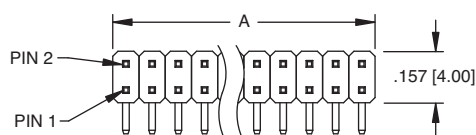


2PH2-32-UA

2PH2



Recommended PCB Layout

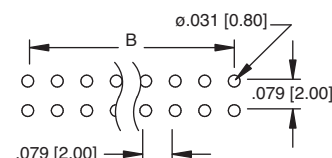


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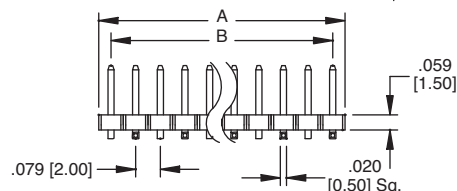
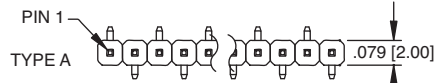
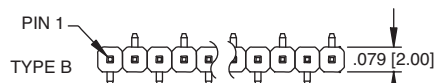


2PH2R-32-UA

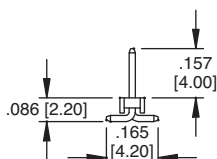
2PH2R



Recommended PCB Layout



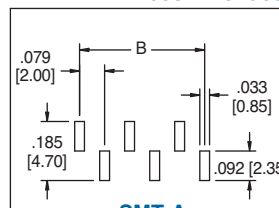
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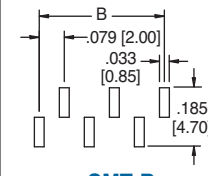
2PH1 (SMT)

2PH1-15-UA-SMT

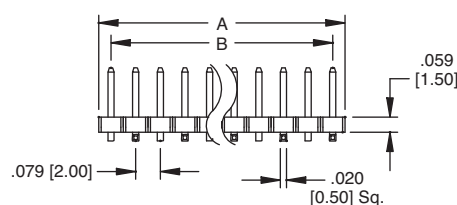
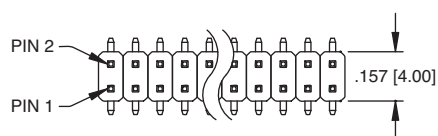
Recommended PCB Layout



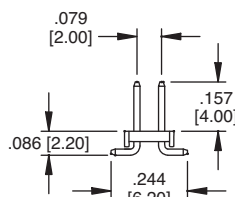
SMT-A



SMT-B



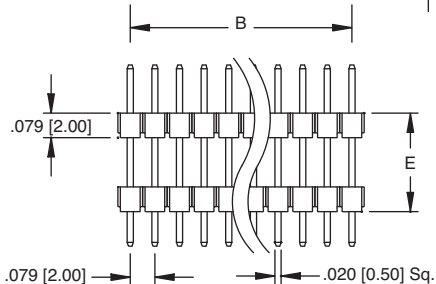
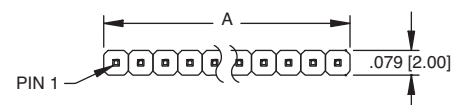
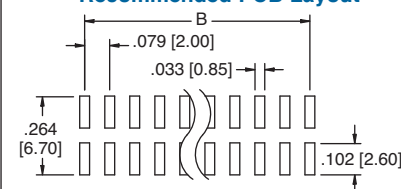
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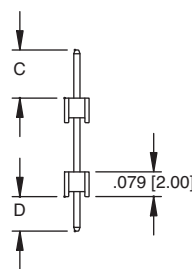
2PH2 (SMT)

2PH-26-UA-SMT

Recommended PCB Layout



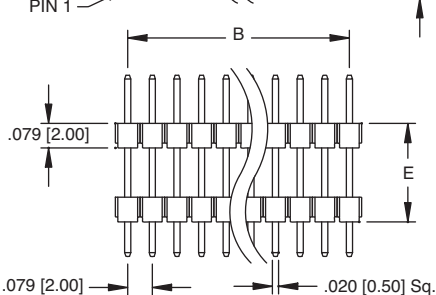
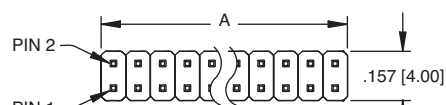
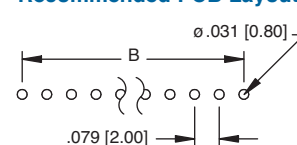
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B = .079" [2.00] x No. of spaces



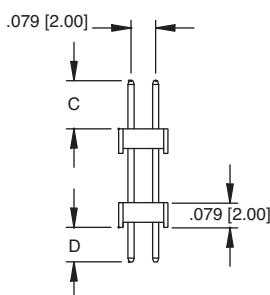
D2PH-1

D2PH1-16-UA-.235 / .100 / .400

Recommended PCB Layout



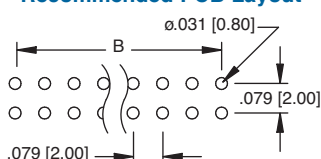
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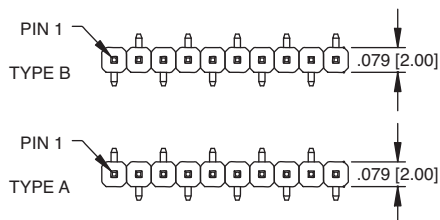
D2PH-2

D2PH2-32-UA-.235 / .100 / .400

Recommended PCB Layout



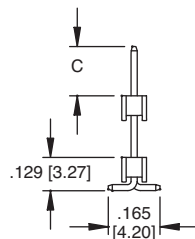
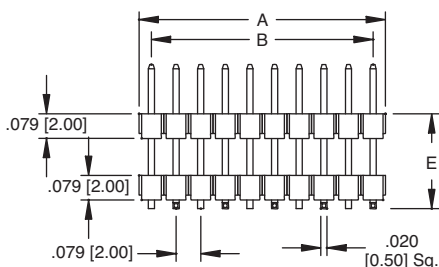
D2PH-1 (SMT)



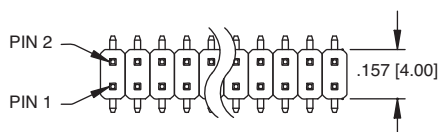
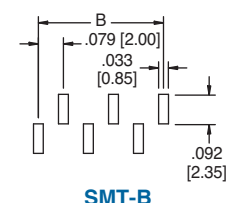
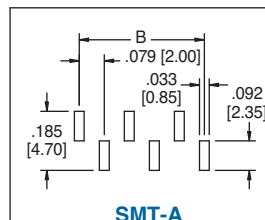
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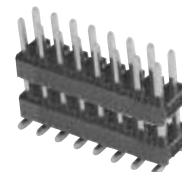
D2PH-1-12-U-100/SMT/240



Recommended PCB Layouts

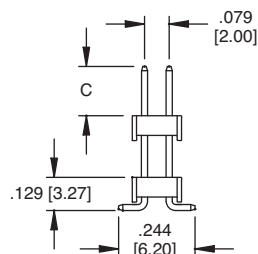
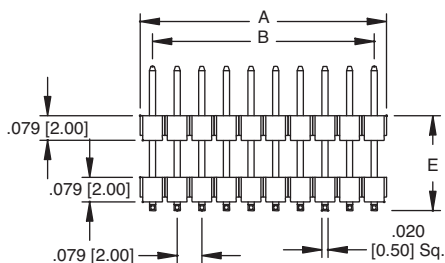


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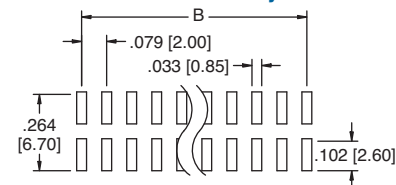


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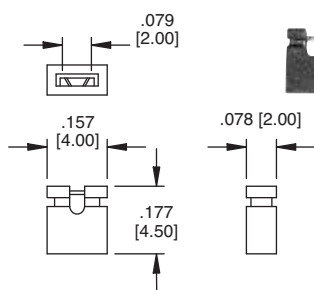
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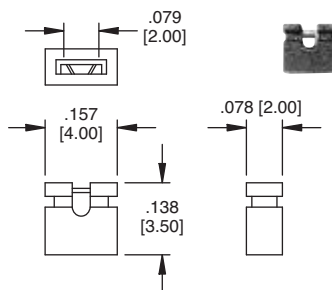
Recommended PCB Layouts



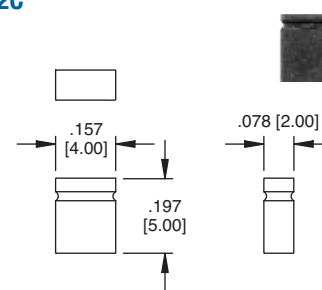
MS2A



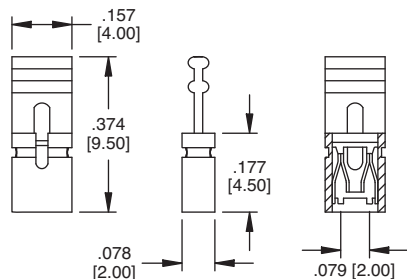
MS2B



MS2C



MS2H-1 RIGID SHORT HANDLE



MS2H-2 FLEXIBLE LONG HANDLE

