

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



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

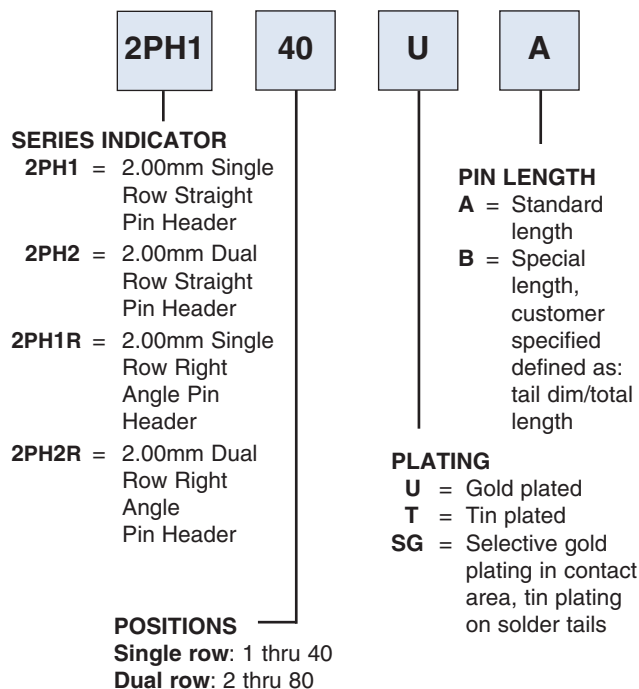
(Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)

L = Low profile 1.5mm insulator thickness

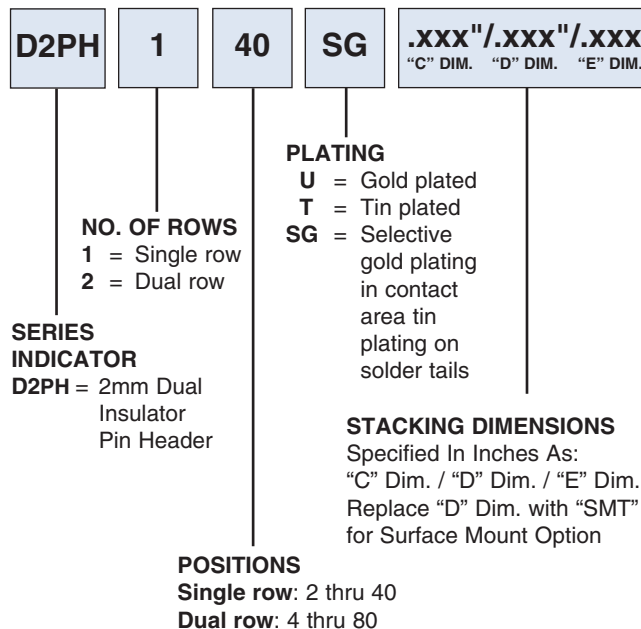
P = Locating pegs

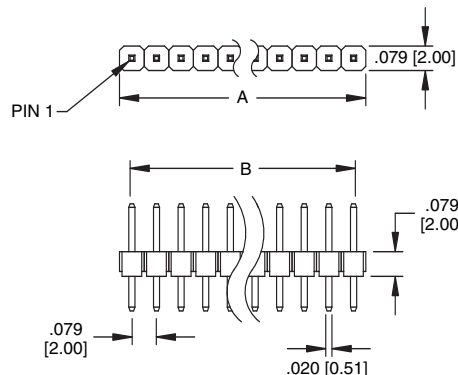
BR = Board retention sold

ORDERING INFORMATION



ORDERING INFORMATION DUAL INSULATOR HEADERS

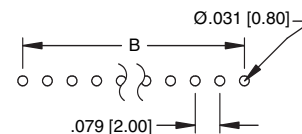




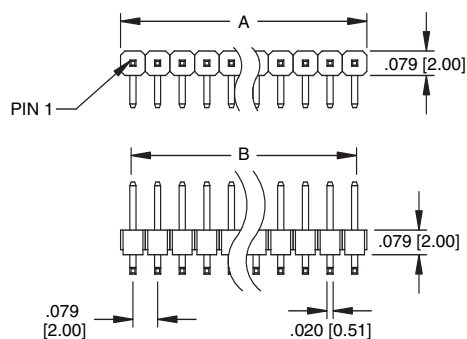
2PH1



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



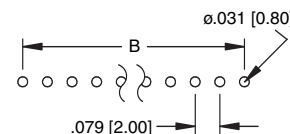
Recommended PCB Layout



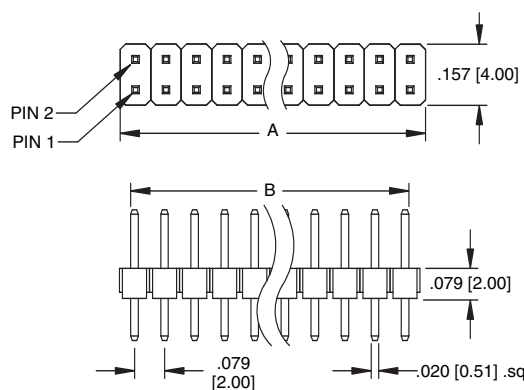
2PH1R



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



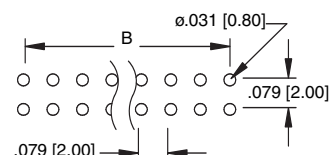
Recommended PCB Layout



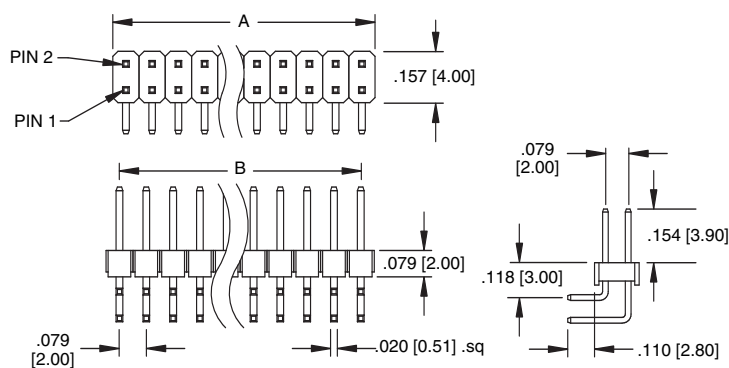
2PH2



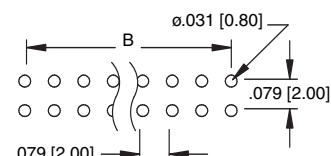
A = .079" [2.00] x No. of positions
B = .079" [2.00] x No. of spaces



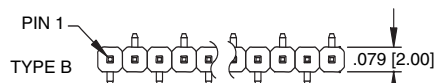
Recommended PCB Layout



2PH2R

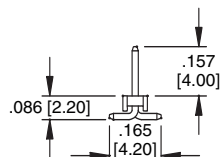
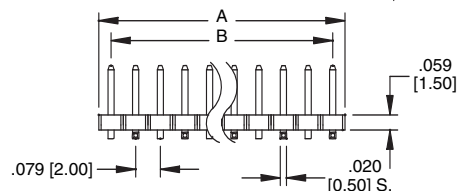
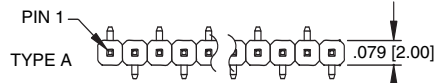


Recommended PCB Layout

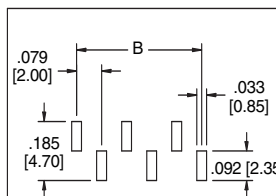


A = .079" [2.00] x No. of positions
B = .079" [2.00] x No. of spaces

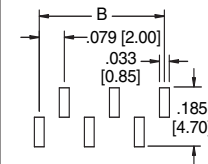
2PH1 (SMT)



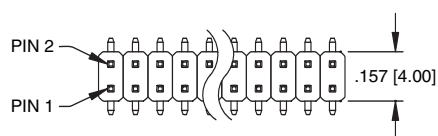
Recommended PCB Layout



SMT-A

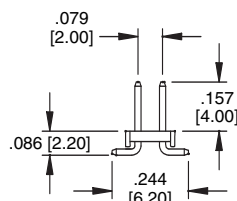
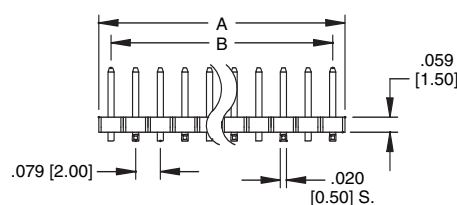


SMT-B

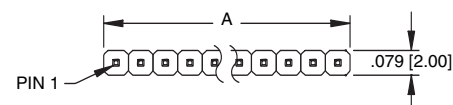
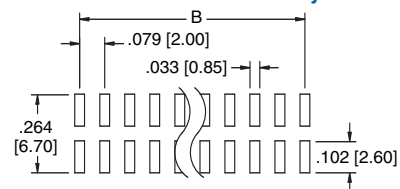


A = .079" [2.00] x No. of positions
B = .079" [2.00] x No. of spaces

2PH2 (SMT)

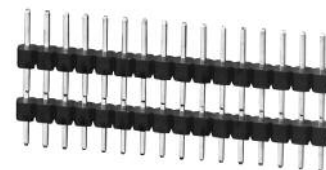
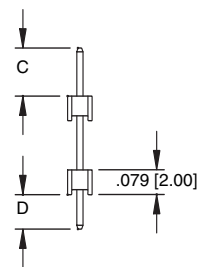
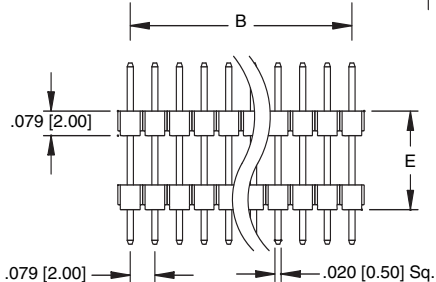


Recommended PCB Layout

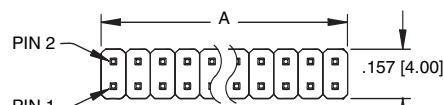
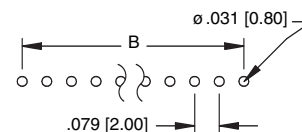


A = .079" [2.00] x No. of positions
B = .079" [2.00] x No. of spaces

D2PH-1

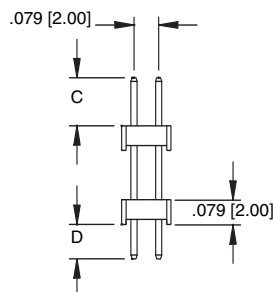
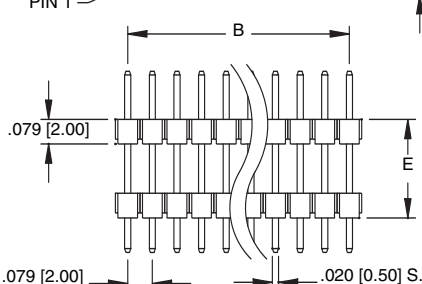


Recommended PCB Layout

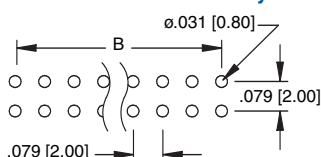


A = .079 [2.00] x No. of positions
B = .079 [2.00] x No. of spaces

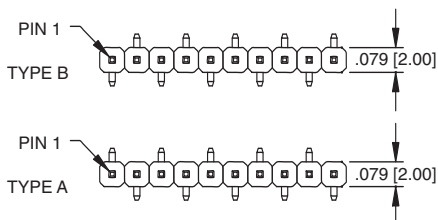
D2PH-2



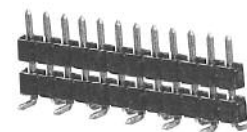
Recommended PCB Layout



D2PH-1 (SMT)

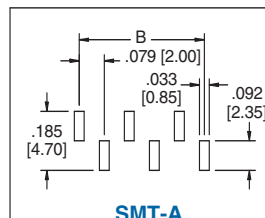
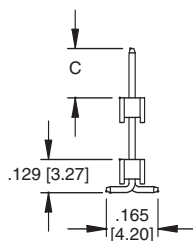
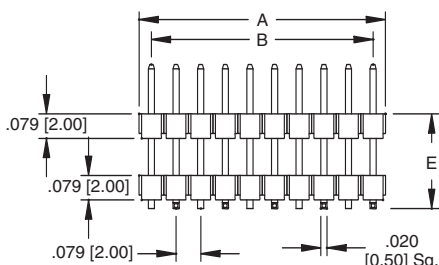


A = .079" [2.00] x No. of positions
B = .079" [2.00] x No. of spaces

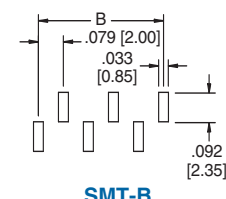


D2PH-1-12-U-100/SMT/240

Recommended PCB Layout

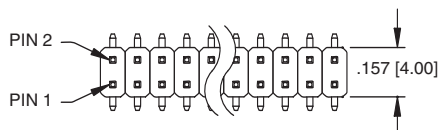


SMT-A

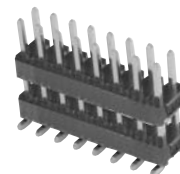


SMT-B

D2PH-2 (SMT)

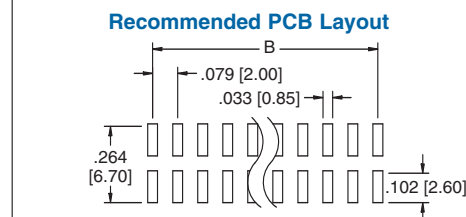
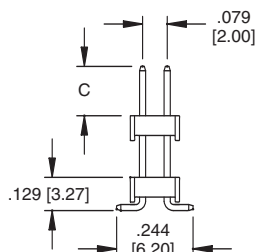
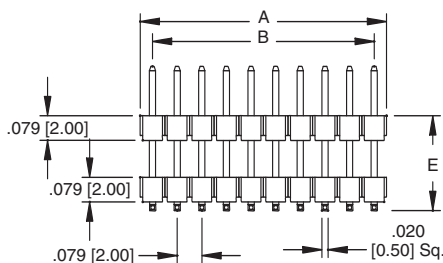


A = .079" [2.00] x No. of positions
B = .079" [2.00] x No. of spaces

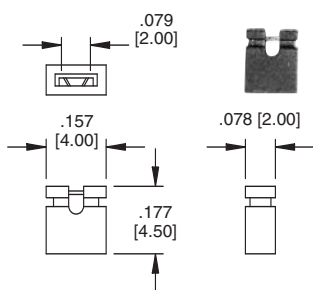


D2PH-2-16-U-145/SMT/360

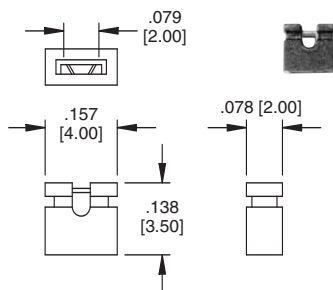
Recommended PCB Layout



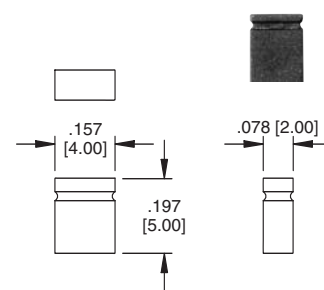
MS2A



MS2B

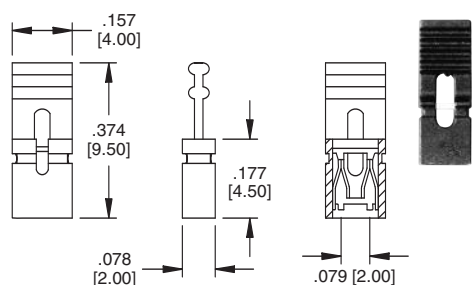


MS2C



MS2H-1

WITH RIGID SHORT HANDLE



MS2H-2

WITH FLEXIBLE LONG HANDLE

