2.00mm PIN HEADERS

.079" [2.00] CENTERLINE

2PH SERIES

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)

HI-TEMP INSULATOR AVAILABLE

APPROVALS AND CERTIFICATIONS:

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

RoHS COMPLIANT

ORDERING INFORMATION

2PH1 | 40 | U | A

SERIES INDICATOR
2PH1 = 2.00mm Single Row Straight Pin Header
2PH2 = 2.00mm Dual Row Straight Pin Header
2PH1R = 2.00mm Single Row Right Angle Pin Header
2PH2R = 2.00mm Dual Row Right Angle Pin Header

POSITIONS
Single row: 1 thru 40
Dual row: 2 thru 80

PLATING
U = Gold plated
T = Tin plated
SG = Selective gold plating in contact area, tin plating on solder tails

PIN LENGTH
A = Standard length
B = Special length, customer specified defined as: tail dim/total length

ORDERING INFORMATION
DUAL INSULATOR HEADERS

D2PH | 1 | 40 | SG | .xxx"/.xxx"/.xxx
"C" DIM. "D" DIM. "E" DIM.

SERIES INDICATOR
D2PH = 2mm Dual Insulator Pin Header

NO. OF ROWS
1 = Single row
2 = Dual row

POSITIONS
Single row: 2 thru 40
Dual row: 4 thru 80

PLATING
U = Gold plated
T = Tin plated
SG = Selective gold plating in contact area tin plating on solder tails

STACKING DIMENSIONS
Specified In Inches As:
"C" Dim. / "D" Dim. / "E" Dim.
Replace "D" Dim. with "SMT" for Surface Mount Option

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

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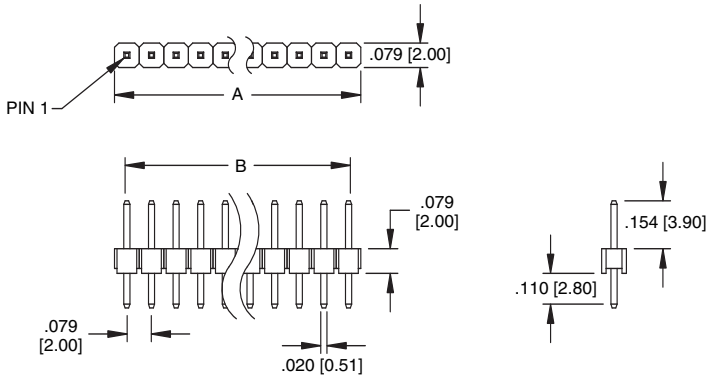
2PH1



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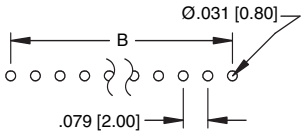
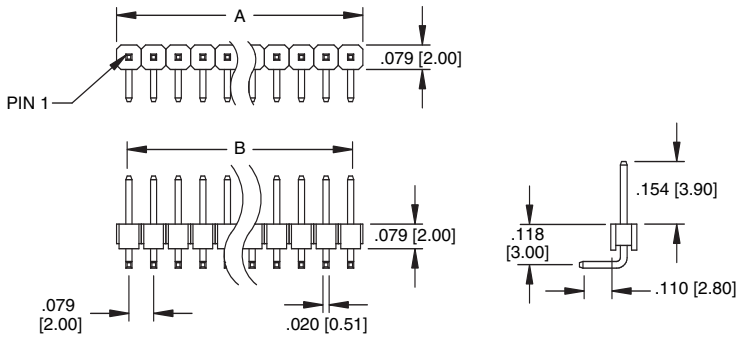


Recommended PCB Layout

2PH1R



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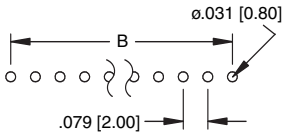
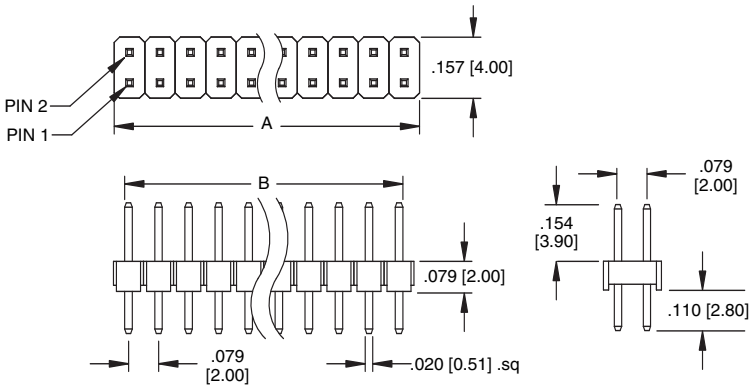


Recommended PCB Layout

2PH2



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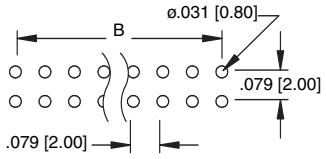
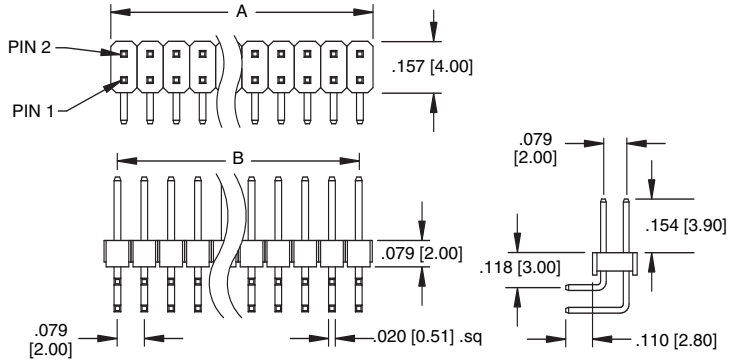
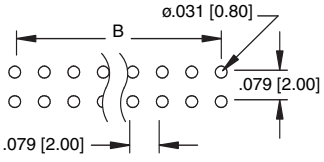


Recommended PCB Layout

2PH2R





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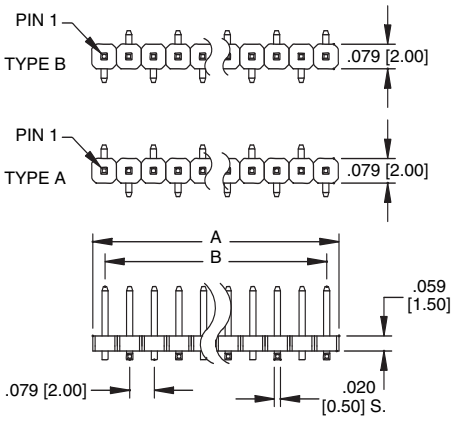
2PH1 (SMT)



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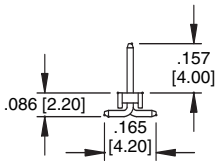
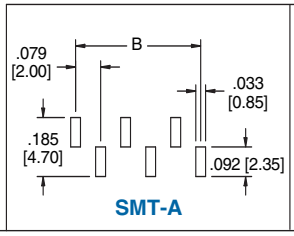
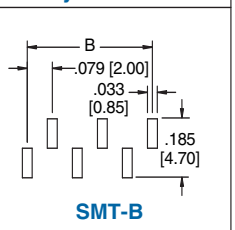
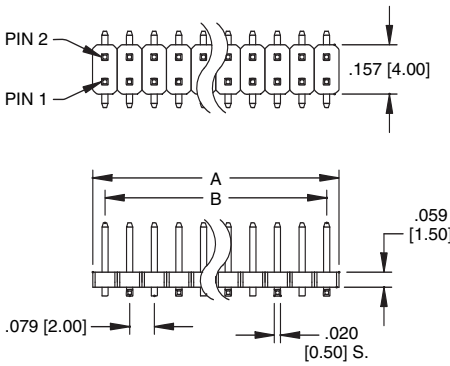


Recommended PCB Layout





2PH2 (SMT)



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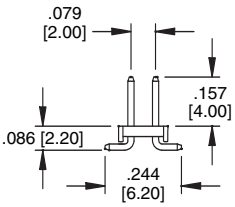

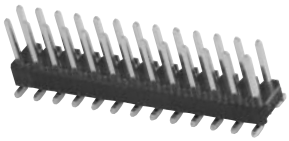

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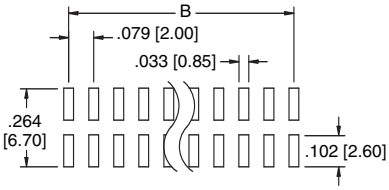
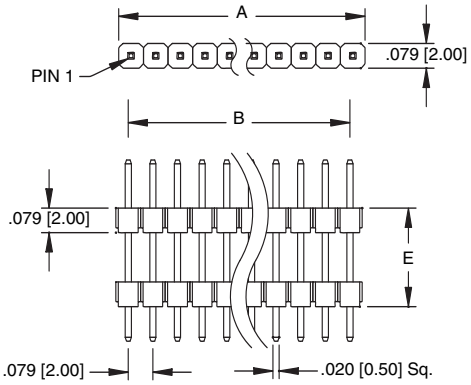


D2PH-1



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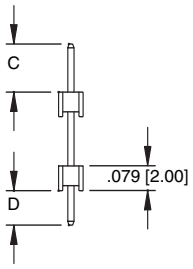

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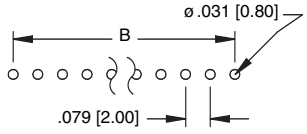
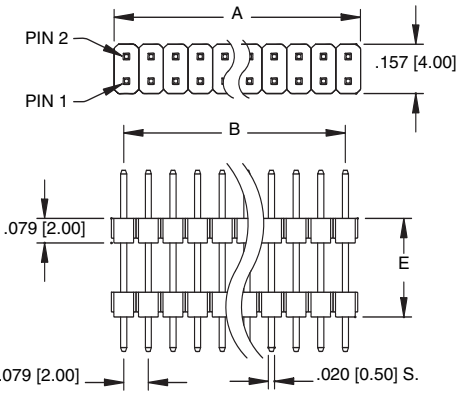


D2PH-2



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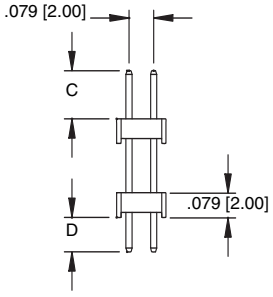

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