ADAM TECH
Adam Technologies, Inc.

0.80mm SUB-MICRO HEADERS
1.00mm MICRO HEADERS
.031" [0.80] & .039" [1.00] CENTERLINE
MPH & SPH / MRS & SRS

INTRODUCTION:
Adam Tech 0.8mm and 1.00mm Pin Header and Female Header series is a fine pitch, low profile, dual row, PCB mounted connector set intended for limited space applications or where total weight is a factor. Our specially tooled insulators and contacts maintain consistent high quality through our automated production processes. Each series is available in thru-hole PCB or SMT mounting and plated tin, gold or selective gold as specified.

FEATURES:
0.8mm and 1.0mm versions
Pin Header and Female Header set
Lightweight and Compact
Hi Temp Insulators

MATING OPTIONS:
Mates with all industry standard 0.8mm & 1.0mm pitch headers and female headers

SPECIFICATIONS:

Material:
Standard Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze

Plating:
U = Gold flash (30u" optional) over nickel underplate
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: 500 cycles min.

Temperature Ratings:
Operating temperature: -40°C to +105°C
Max process temp: 230°C for 30 ~ 60 seconds
(260°C for 10 seconds)
Soldering process temperature: 260°C

PACKAGING:
Anti-ESD plastic bags or tubes

APPROVALS AND CERTIFICATIONS:
UL Recognized File No. E224053
CSA Certified File No. LR1578596

RoHS COMPLIANT
HI-TEMP INSULATOR AVAILABLE

0.8mm MALE ORDERING INFORMATION

SPH2 — 20 — SG — SMT

SERIES INDICATOR
SPH2 = 0.8mm Dual Row Header

POSITIONS
04 thru 80

PLATING
U = Gold plated
SG = Selectively gold plated
T = Tin plated

MOUNTING
Blank = Thru-hole
SMT = Surface mount

0.8mm FEMALE ORDERING INFORMATION

SRS2 — 20 — SG — SMT

SERIES INDICATOR
SRS2 = 0.8mm Dual Row Female Header

POSITIONS
04 thru 80

PLATING
U = Gold plated
SG = Selectively gold plated
T = Tin plated

MOUNTING
Blank = Thru-hole
SMT = Surface mount

1.0mm MALE ORDERING INFORMATION

MPH2 — 20 — SG — SMT

SERIES INDICATOR
MPH2 = 1.0mm Dual Row Pin Header

POSITIONS
04 thru 80

PLATING
U = Gold plated
SG = Selectively gold plated
T = Tin plated

MOUNTING
Blank = Thru-hole
SMT = Surface mount

1.0mm FEMALE ORDERING INFORMATION

MRS2 — 20 — SG — SMT

SERIES INDICATOR
MRS2 = 1.0mm Dual Row Female Header

POSITIONS
04 thru 80

PLATING
U = Gold plated
SG = Selectively gold plated
T = Tin plated

MOUNTING
Blank = Thru-hole
SMT = Surface mount

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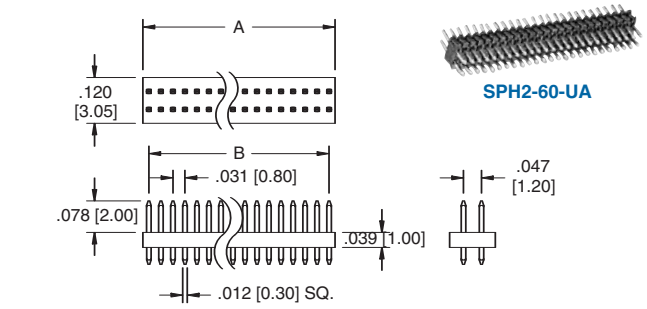
0.8mm SUB-MICRO HEADERS
1.00mm MICRO HEADERS
.031" [0.8] & .039" [1.00] CENTERLINE
MPH & SPH / MRS & SRS

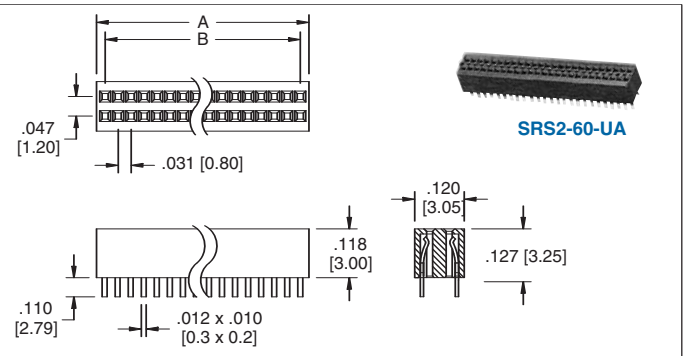
0.8mm SUB-MICRO HEADERS



SPH2-60-UA

A = .031 [.80] X No of Positions Per Row
B = .031 [.80] X No of Spaces Per Row

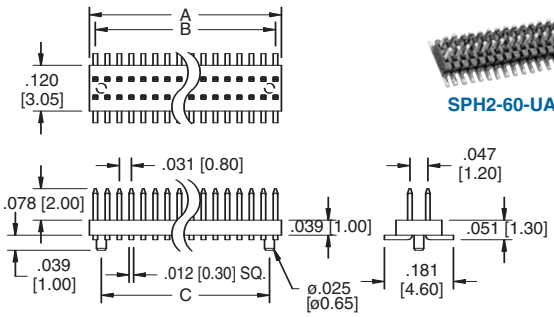
0.8mm Male Header
SPH2 Series



SRS2-60-UA

A = .031 [.80] X No of Positions Per Row
B = .031 [.80] X No of Spaces Per Row

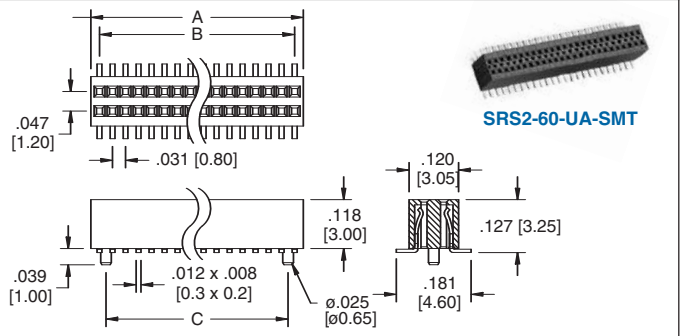
0.8mm Female Header
SRS2 Series



SPH2-60-UA-SMT

A = .031 [.80] X No of Positions Per Row
B = .031 [.80] X No of Spaces Per Row
C = .031 [.80] X No of Spaces - 1

0.8mm SMT Male Header
SPH2 SMT Series

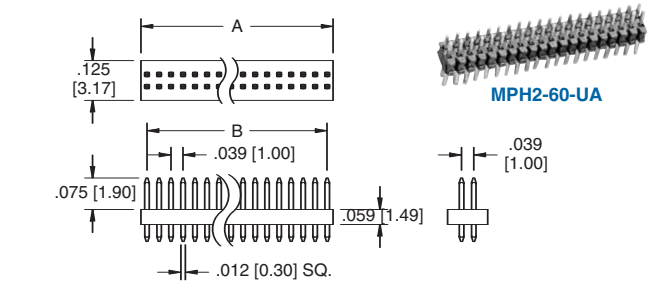


SRS2-60-UA-SMT

A = .031 [.80] X No of Positions Per Row
B = .031 [.80] X No of Spaces Per Row
C = .031 [.80] X No of Spaces - 1

0.8mm SMT Female Header
SRS2 SMT Series

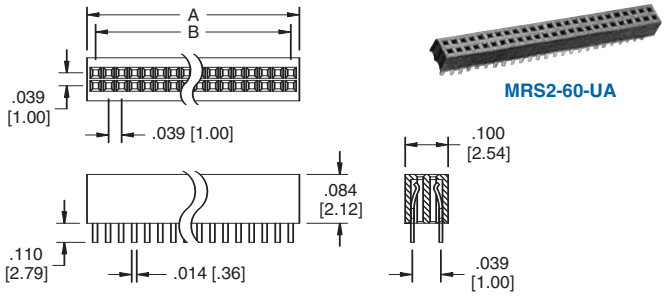
1.0mm MICRO HEADERS



MPH2-60-UA

A = .039 [1.00] X No of Positions Per Row
B = .039 [1.00] X No of Spaces Per Row

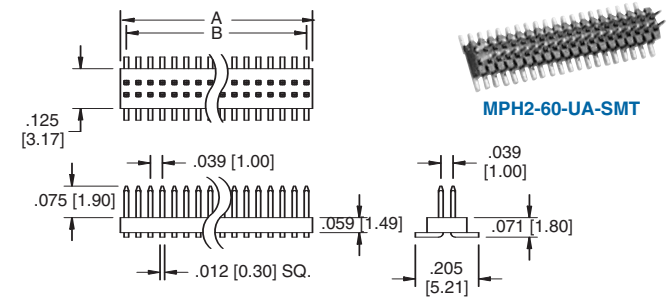
1.0mm Male Header
MPH2 Series



MRS2-60-UA

A = .039 [1.00] X No of Positions Per Row
B = .039 [1.00] X No of Spaces Per Row

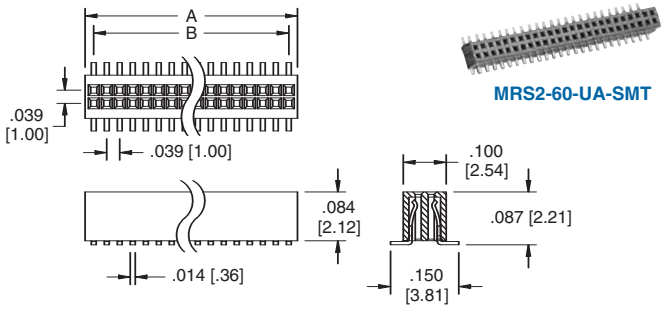
1.0mm Female Header
MRS2 Series



MPH2-60-UA-SMT

A = .039 [1.00] X No of Positions Per Row
B = .039 [1.00] X No of Spaces Per Row

1.0mm SMT Male Header
MPH2-SMT Series



MRS2-60-UA-SMT

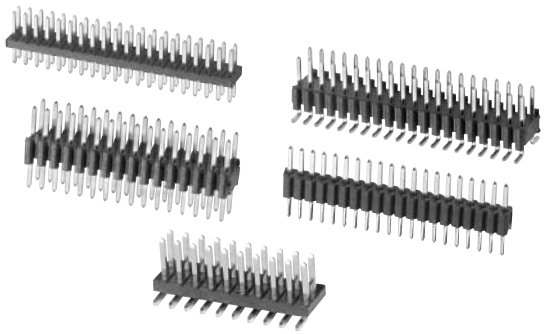
A = .039 [1.00] X No of Positions Per Row
B = .039 [1.00] X No of Spaces Per Row

1.0mm SMT Female Header
MRS2-SMT Series

.050" PIN HEADERS

.050" [1.27] CENTERLINE

HPH SERIES



INTRODUCTION:
Adam Tech .050" HPH Series Pin Headers are fine pitched, low profile, PCB mounted pin headers intended for limited space applications or where overall size is a factor. Our specially tooled insulators and contacts offer consistent high quality through automated production processes. This series offers an extensive range of single, dual and stacked versions. Each is available in thru-hole PCB or SMT mounting with choice of tin, gold or selective gold plating.

FEATURES:
Single and Dual Row
Stacked, Thru-Hole and SMT mounting
Pin Header and Female Header sets
Lightweight and Compact
Hi Temp Insulator available
Choice of plating

MATING OPTIONS:
Mates with all industry standard .050" [1.27mm] pitch female headers designed for use with 0.4mm Sq. pins and Low profile receptacle

SPECIFICATIONS:

Material:

Standard Hi-Temp insulator: Nylon 6T or Nylon 46, rated UL94V-0
Insulator Color: Black
Contacts: Brass or Phosphor Bronze

Plating:

U = Gold flash over nickel underplate overall
SG = Gold flash 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: 500 Cycles min.

Temperature Rating:

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

PACKAGING:
Anti-ESD plastic bags

APPROVALS AND CERTIFICATIONS:
UL Recognized File No. E224053
CSA Certified File No. LR1578596

RoHS COMPLIANT

HI-TEMP INSULATOR AVAILABLE

OPTIONS:
Add designator(s) to end of part number
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)
SMT = Dual Row Surface Mount leads with Hi-Temp insulator for Hi-Temp soldering processes up to 260°C
SMT-A = Single Row Surface Mount Leads Type A
SMT-B = Single Row Surface Mount Leads Type B

ORDERING INFORMATION

HPH2	B	100	SG	A

SERIES INDICATOR
HPH1 = 050" Single row Pin Header
HPH2 = .050" Dual Row Pin Header

INSULATOR SIZE
A = .039" mm insulator thickness single or dual row (dual row .050"x.050")
B = .100" insulator thickness single or dual row (dual row .050"x.100")

POSITIONS
01 thru 32 (single row)
04 thru 100 (dual row)

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

MATING/ SOLDER-TAIL LENGTH
A = Standard length
B = Special length, customer specified, defined as tail length/total length

ORDERING INFORMATION

DHPH	2	50	SG	.XXX"/.XXX"/.XXX" (C DIM) (D DIM) (E DIM)

SERIES INDICATOR
DHPH = Dual insulator .050" centerline Pin Header

NO. OF ROWS
1 = Single row .050"
2 = Dual row .050"x.100"

POSITIONS
01 thru 50 (single row)
04 thru 100 (dual row)

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

SPECIFIED IN INCHES
AS: C Dim./D Dim./E Dim.
(replace D Dim. with SMT for surface mount option)

.050" PIN HEADERS

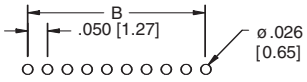
.050" [1.27] CENTERLINE

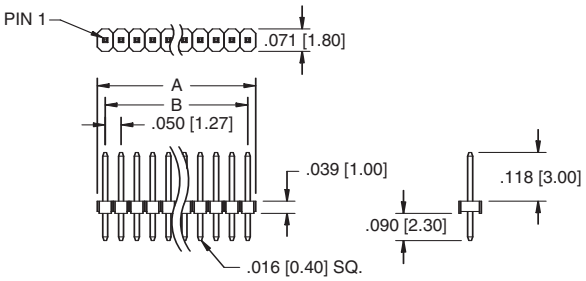
HPH SERIES

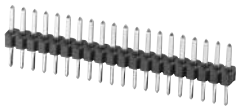
HPH1-A
SINGLE ROW STRAIGHT WITH 1.00mm INSULATOR

A = .050 [1.27] X No. of Positions
B = .050 [1.27] X No. of Spaces

Recommended PCB Layout





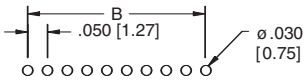


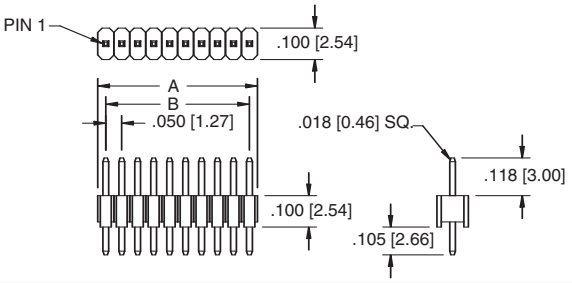
HPH1-A-20-UA

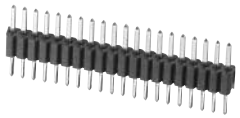
HPH1-B
SINGLE ROW STRAIGHT WITH .100" INSULATOR

A = .050 [1.27] X No. of Positions
B = .050 [1.27] X No. of Spaces

Recommended PCB Layout





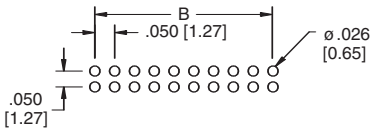


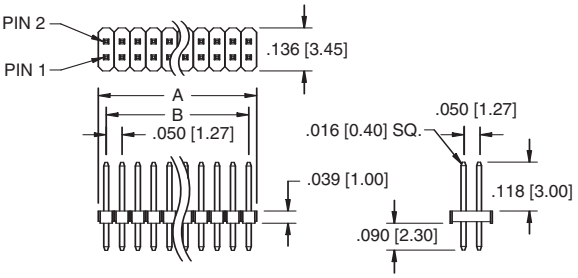
HPH1-B-20-UA

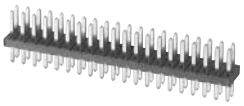
HPH2-A
DUAL ROW STRAIGHT WITH 1.00mm INSULATOR

A = .050 [1.27] X No. of Positions per row
B = .050 [1.27] X No. of Spaces

Recommended PCB Layout





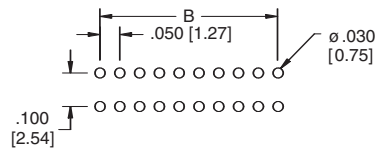


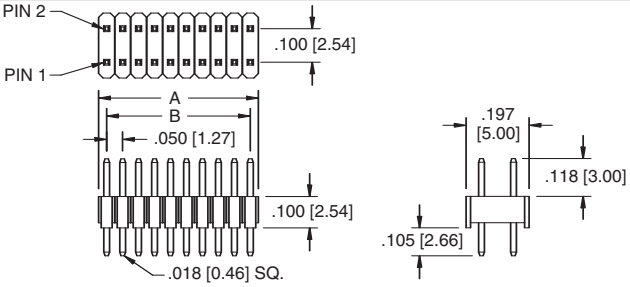
HPH2-A-40-UA

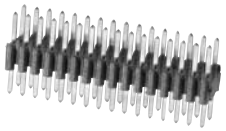
HPH2-B
DUAL ROW STRAIGHT WITH .100" INSULATOR

A = .050 [1.27] X No. of Positions per row
B = .050 [1.27] X No. of Spaces

Recommended PCB Layout





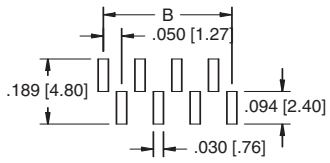


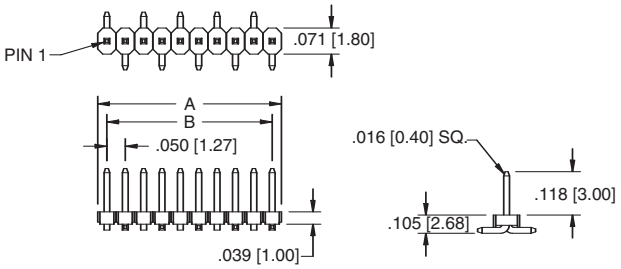
HPH2-B-40-UA

HPH1-A (SMT)
SINGLE ROW STRAIGHT SMT WITH 1.00mm INSULATOR

A = .050 [1.27] X No. of Positions
B = .050 [1.27] X No. of Spaces

Recommended PCB Layout



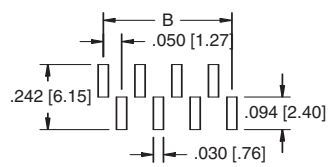


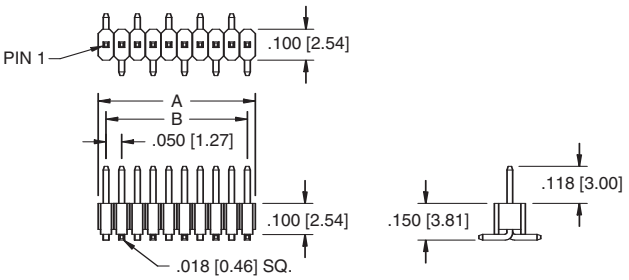
HPH1-A-20-UA-SMT

HPH1-B (SMT)
SINGLE ROW STRAIGHT SMT WITH .100" INSULATOR

A = .050 [1.27] X No. of Positions
B = .050 [1.27] X No. of Spaces

Recommended PCB Layout





HPH1-B-20-UA-SMT

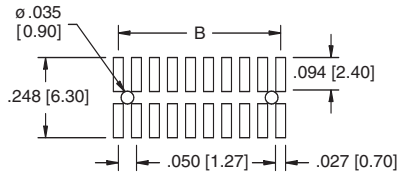
.050" PIN HEADERS

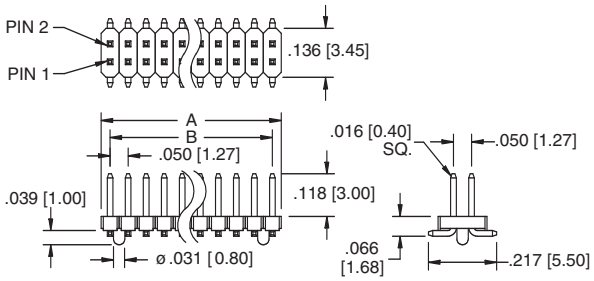
.050" [1.27] CENTERLINE

HPH SERIES

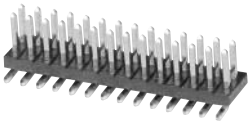
A = .050 [1.27] X No. of Positions per row
B = .050 [1.27] X No. of Spaces

Recommended PCB Layout





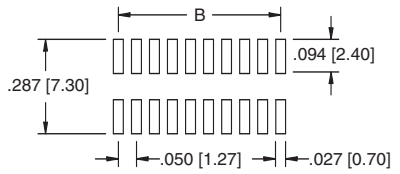
HPH2-A (SMT)

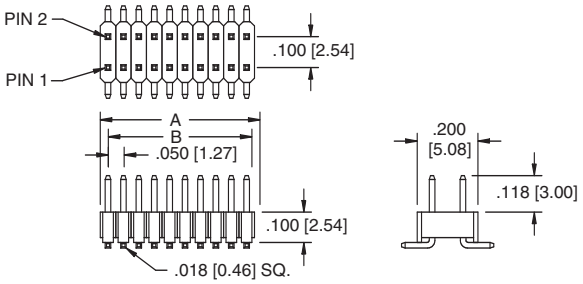


HPH2-A-40-UA-SMT

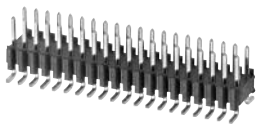
A = .050 [1.27] X No. of Positions per row
B = .050 [1.27] X No. of Spaces

Recommended PCB Layout





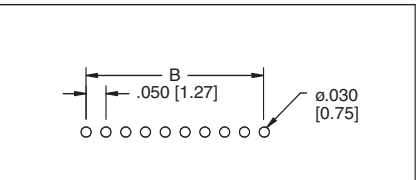
HPH2-B (SMT)

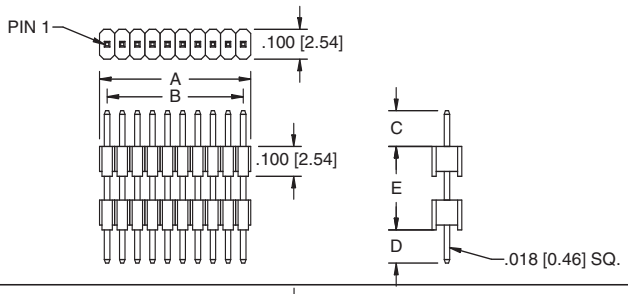


HPH2-B-40-UA-SMT

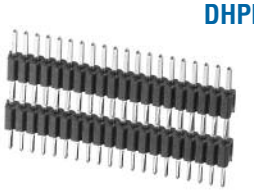
A = .050 [1.27] X No. of Positions
B = .050 [1.27] X No. of Spaces

Recommended PCB Layout





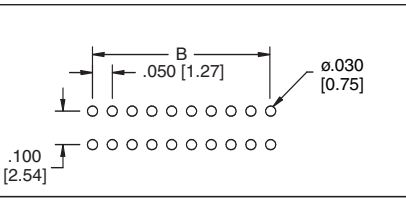
DHPH-1

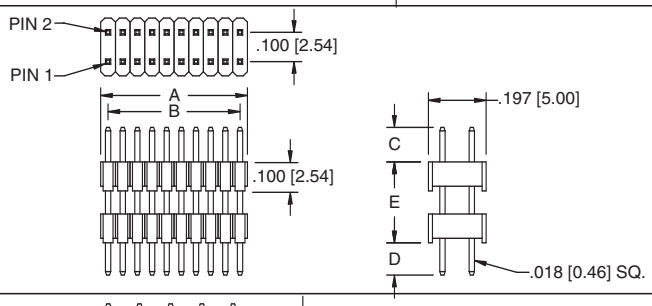


DHPH-1-20-U-.079/.079/.354

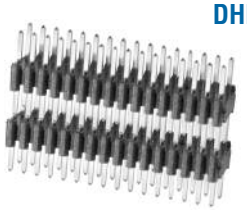
A = .050 [1.27] X No. of Positions per row
B = .050 [1.27] X No. of Spaces

Recommended PCB Layout





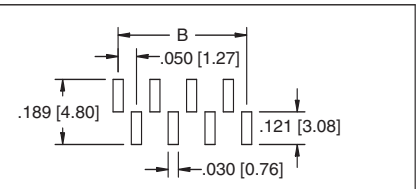
DHPH-2

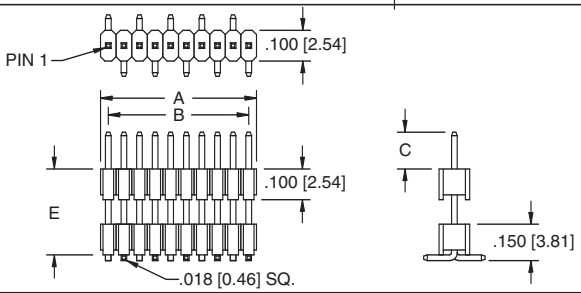


DHPH-2-32-U-.079/.079/.354

A = .050 [1.27] X No. of Positions
B = .050 [1.27] X No. of Spaces

Recommended PCB Layout



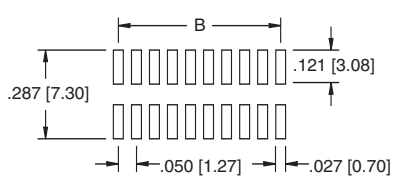


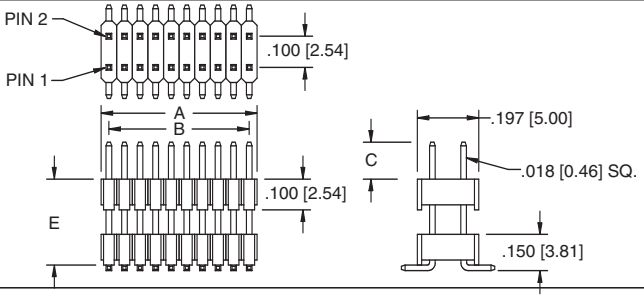
DHPH-1 (SMT)

DHPH-1-10-U-.079/SMT-A/.3.54

A = .050 [1.27] X No. of Positions per row
B = .050 [1.27] X No. of Spaces

Recommended PCB Layout





DHPH-2 (SMT)

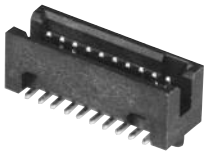
DHPH-2-40-U-.079/SMT/.3.54

.050" HEADER SET

.050" X .050" [1.27 X 1.27] CENTERLINE

HSH & HFH SERIES

MALE HEADER



ORDERING INFORMATION

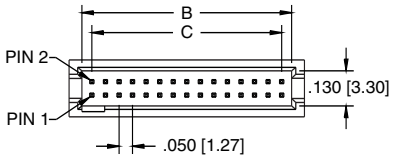
HSH	50	G

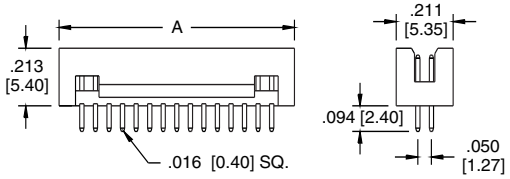
SERIES INDICATOR
HSH = .050" Shrouded header

TOTAL POSITIONS
10 thru 100

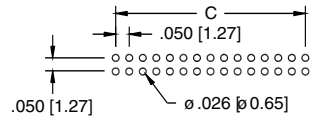
PLATING
G = Gold plated
T = Tin plated
SG = Gold plating in contact area, tin plated solder tails

OPTIONS:
SMT = Surface mount leads with Hi-Temp insulator
P = Peg option (thru hole only)





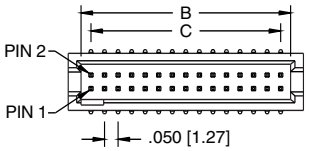
Recommended PCB Layout

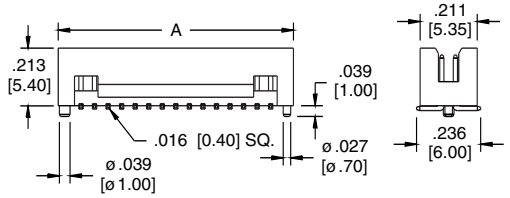


Standard: With key & without peg

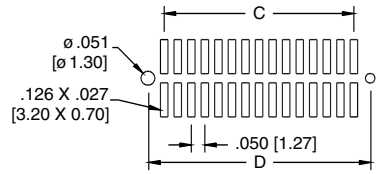
A = .050 X No. of Spaces + .168 [4.27]
B = .050 X No. of Spaces + .074 [1.87]
C = .050 X No. of Spaces

HSH SERIES
SHROUDED MALE HEADER





Recommended PCB Layout

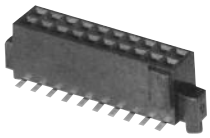


Standard: With key & with peg

A = .050 X No. of Spaces + .168 [4.27]
B = .050 X No. of Spaces + .074 [1.87]
C = .050 X No. of Spaces
D = .050 X No. of Spaces + .120 [3.05]

HSH-SMT SERIES
SHROUDED MALE HEADER

FEMALE HEADER



ORDERING INFORMATION

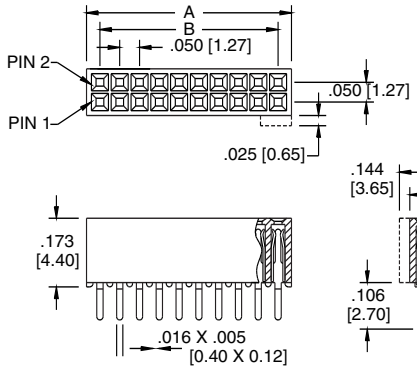
HFH	50	G

SERIES INDICATOR
HFH = .050" Female header

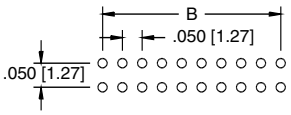
TOTAL POSITIONS
10 thru 100

PLATING
G = Gold plated
T = Tin plated
SG = Gold plating in contact area, tin plated solder tails

OPTIONS:
SMT = Surface mount leads with Hi-Temp insulator
NP = No peg
NK = No Key
P = Peg option (thru hole only)



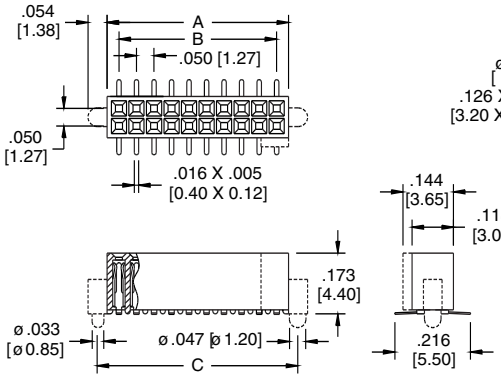
Recommended PCB Layout



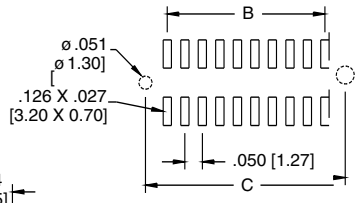
Standard: With key & without peg

A = .050 X No. of Spaces + .068 [1.73]
B = .050 X No. of Spaces
C = .050 X No. of Spaces + .120 [3.05]

HFH SERIES
SHROUDED FEMALE HEADER



Recommended PCB Layout



Standard: With key & with peg

A = .050 X No. of Spaces + .068 [1.73]
B = .050 X No. of Spaces
C = .050 X No. of Spaces + .120 [3.05]

HFH-SMT SERIES
SHROUDED FEMALE HEADER

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

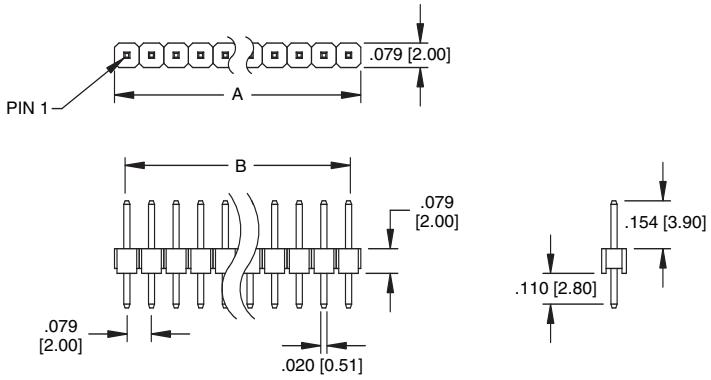
PLATING
U = Gold plated
T = Tin plated
SG = Selective gold plating in contact area tin plating on solder tails

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

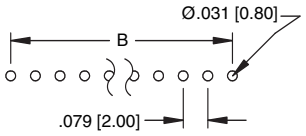
OPTIONS: Add designator(s) to end of part number
SMT = Surface Mount leads Dual Row
SMT-A = Surface Mount leads Type A
SMT-B = Surface Mount Leads Type B
HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C
(Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)
L = Low profile 1.5mm insulator thickness
P = Locating pegs
BR = Board retention sold

2.00mm PIN HEADERS
.079" [2.00] CENTERLINE
2PH SERIES

2PH1

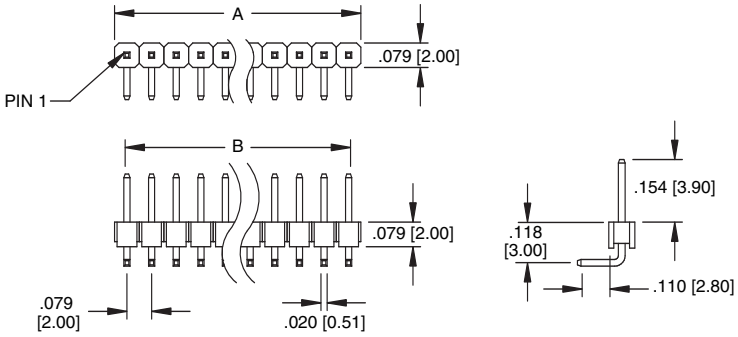


A = .079" [2.00] x No. of positions
B = .079" [2.00] x No. of spaces

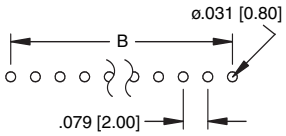


Recommended PCB Layout

2PH1R

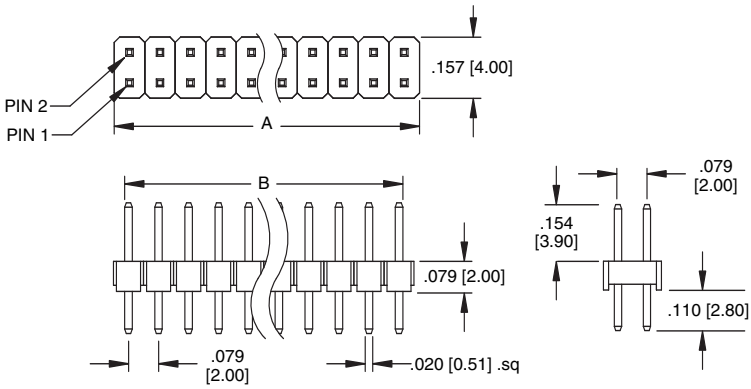


A = .079" [2.00] x No. of positions
B = .079" [2.00] x No. of spaces

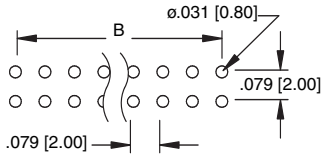


Recommended PCB Layout

2PH2

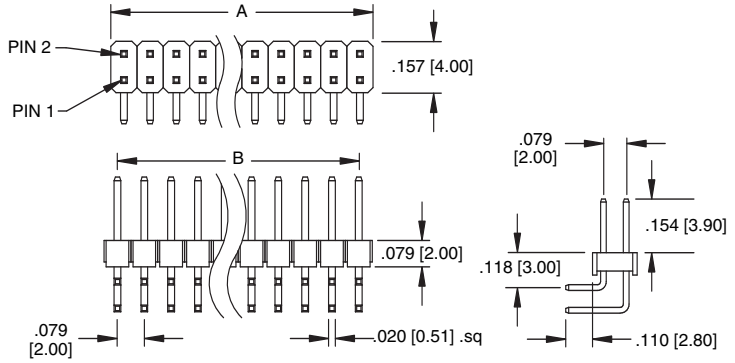


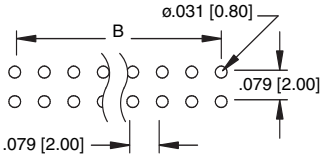
A = .079" [2.00] x No. of positions
B = .079" [2.00] x No. of spaces



Recommended PCB Layout

2PH2R





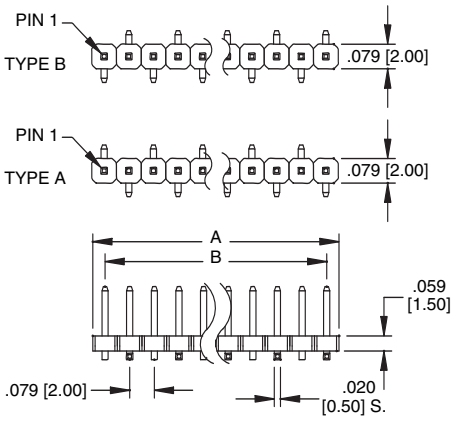
Recommended PCB Layout

2.00mm PIN HEADERS

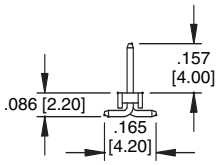
.079" [2.00] CENTERLINE

2PH SERIES

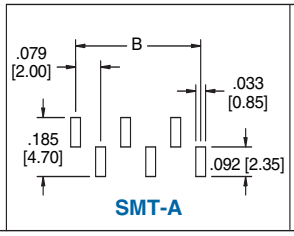
2PH1 (SMT)

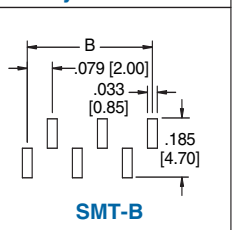


A = .079" [2.00] x No. of positions
B = .079" [2.00] x No. of spaces

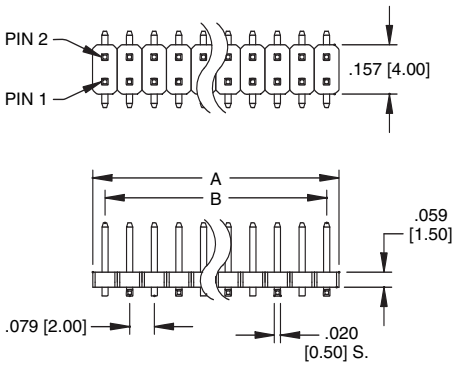


Recommended PCB Layout

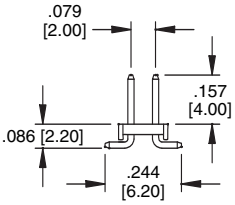


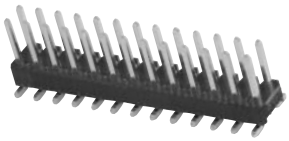


2PH2 (SMT)

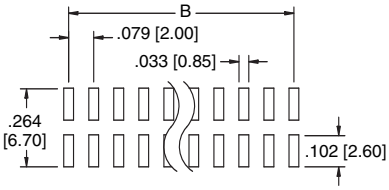


A = .079" [2.00] x No. of positions
B = .079" [2.00] x No. of spaces

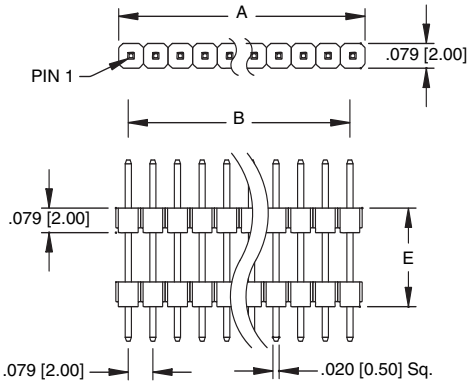




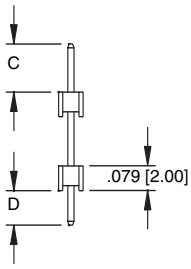
Recommended PCB Layout

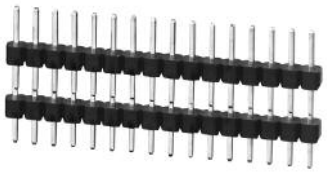


D2PH-1

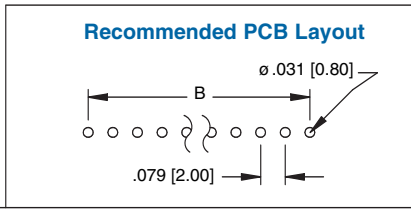


A = .079" [2.00] x No. of positions
B = .079" [2.00] x No. of spaces

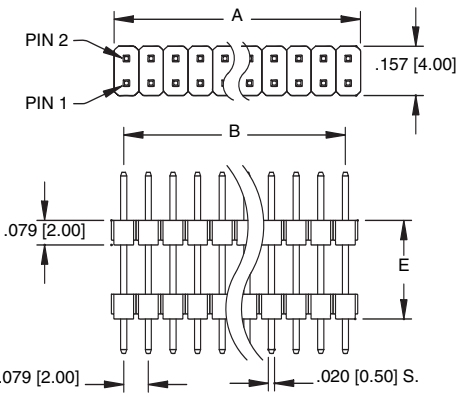




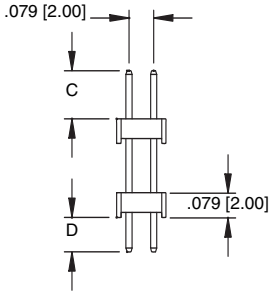
Recommended PCB Layout



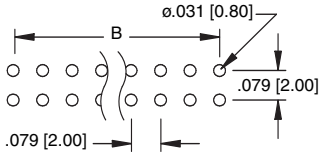
D2PH-2



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



Recommended PCB Layout

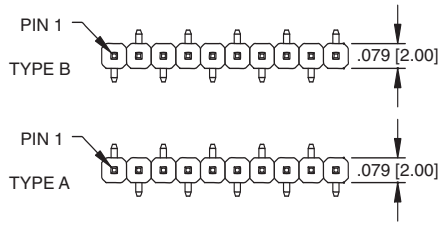


2.00mm HEADERS & SHUNTS

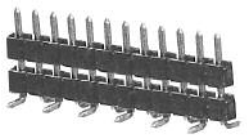
.079" [2.00] CENTERLINE

2PH SERIES

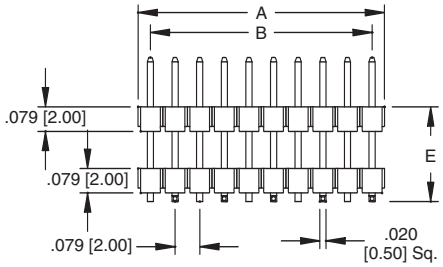
D2PH-1 (SMT)

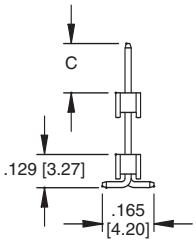


A = .079" [2.00] x No. of positions
B = .079" [2.00] x No. of spaces

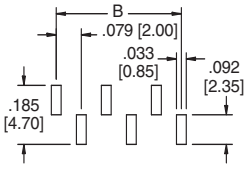


D2PH-1-12-U-.100/SMT/.240

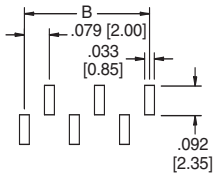




Recommended PCB Layout

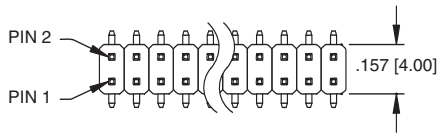


SMT-A

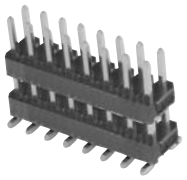


SMT-B

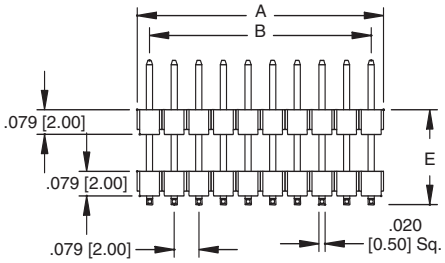
D2PH-2 (SMT)

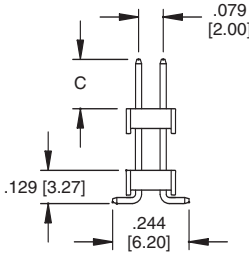


A = .079" [2.00] x No. of positions
B = .079" [2.00] x No. of spaces

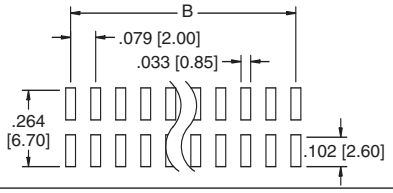


D2PH-2-16-U-.145/SMT/.360

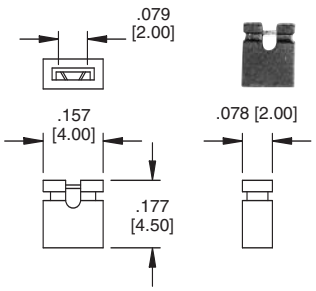




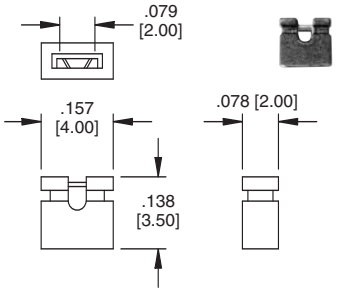
Recommended PCB Layout



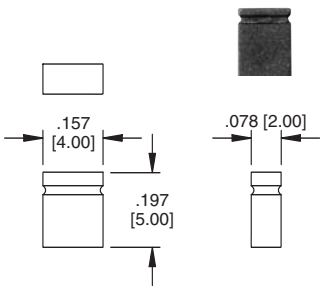
MS2A



MS2B

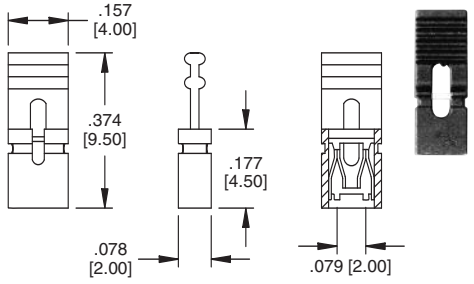


MS2C



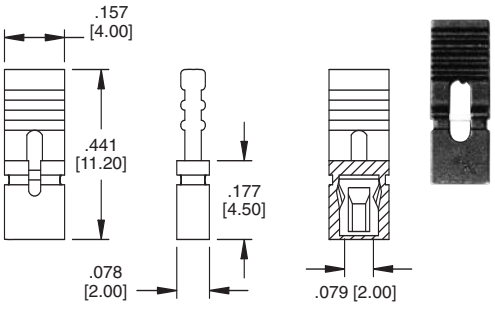
MS2H-1

WITH RIGID SHORT HANDLE



MS2H-2

WITH FLEXIBLE LONG HANDLE



.100" PIN HEADERS

.100" [2.54] CENTERLINE

PH SERIES

INTRODUCTION:
Adam Tech PH Series .100" Pin Headers offer a full range headers in a variety of configurations including Single, Dual and Three rows, Straight or Right Angle in Thru-Hole or SMT mounting. Their close tolerance .025" sq. posts are smoothly finished and taper tipped to eliminate insertion damage to the PCB or mating connector. Adam Tech 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 .100" pitch pin headers.

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

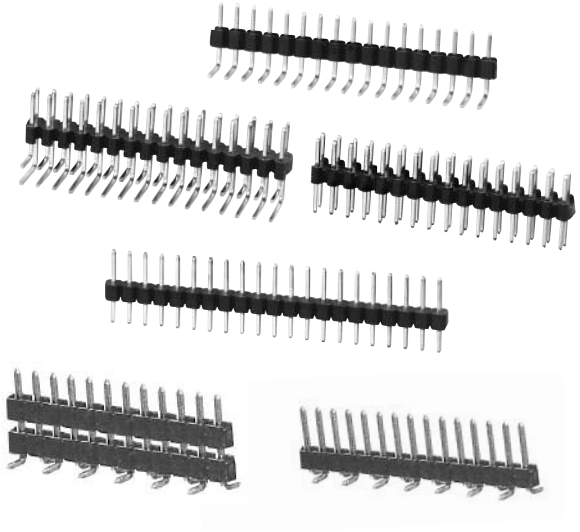
MATING RECEPTACLES:
Mates with all industry standard receptacles accepting a .025" square post on .100" [2.54mm] centerlines

SPECIFICATIONS:
Material:
Insulator: PBT, glass reinforeced, 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
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: 3 Amps max
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute
Mechanical:
Insertion force: 2 oz lbs max.
Withdrawal force: .75 oz lbs min
Mating durability: 1000 cycles min.
Temperature Rating:
Operating temperature: -55°C to +105°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PACKAGING:
Anti-ESD plastic bags

SAFETY AGENCY APPROVALS:
UL Recognized File No. E224053
CSA Certified File No. LR1578596

RoHS COMPLIANT
HI-TEMP INSULATOR AVAILABLE



ORDERING INFORMATION

PH1	40	U	A

SERIES INDICATOR
PH1 = Single Row, Straight
PH1RA = Single Row, Right Angle, High Profile
PH1RB = Single Row, Right Angle, Low Profile
PH2 = Dual Row, Straight
PH2RA = Dual Row, Right Angle
PH3 = Three Row, Straight
PH3RA = Three Row, Right Angle

POSITIONS
PH1: 1 thru 40
PH2: 2 thru 80
PH3: 3 thru 120

MATING/TAIL LENGTH
A = Mating Length ("C" dim.) = .235" Solder Tail ("D" dim.) = .120"
B = Mating Length ("C" dim.) = .318" Solder Tail Length ("D" dim.) = .120"
Special lengths available contact factory

PLATING
U = Gold flash overall
V = 15 µin gold on mating area 100 µin tin on solder tail
W = 30 µin gold on mating area 100 µin tin on solder tail
T = 100 µin tin overall
SG = Gold flash on mating area 100 µin tin lead on solder tail

OPTIONS:
Add designator(s) to end of part number
SMT = Surface mount leads Dual row with Hi-Temp insulator
SMT-A = Surface mount leads Type A with Hi-Temp insulator
SMT-B = Surface mount leads Type B with Hi-Temp insulator
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)*

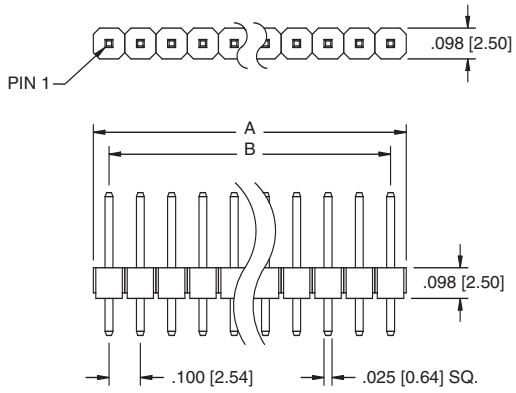
.100" PIN HEADERS

.100" [2.54] CENTERLINE

PH SERIES

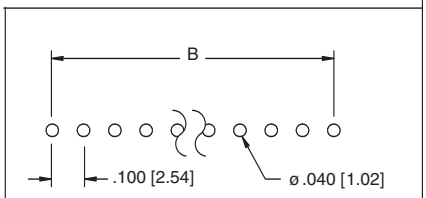
PH1
SINGLE ROW

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



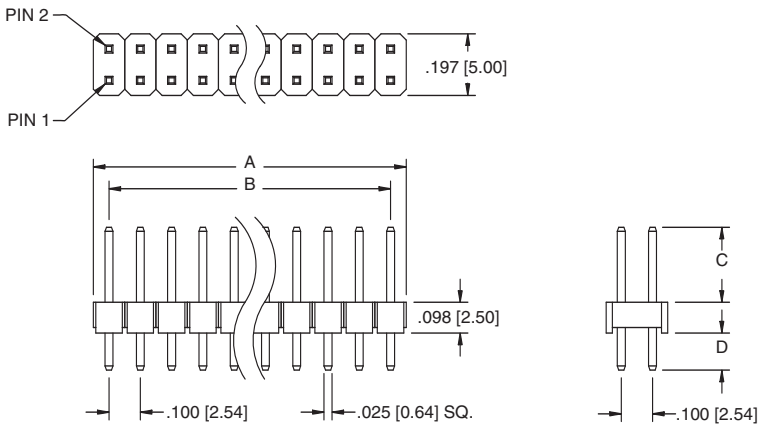
PH1-16-UA

Recommended PCB Layout



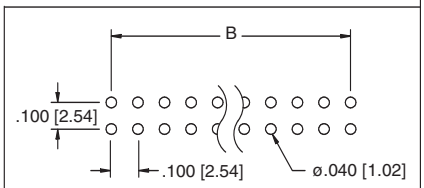
PH2
DUAL ROW

A = .100 [2.54] X No. of Positions per row.
B = .100 [2.54] X No. of Spaces.



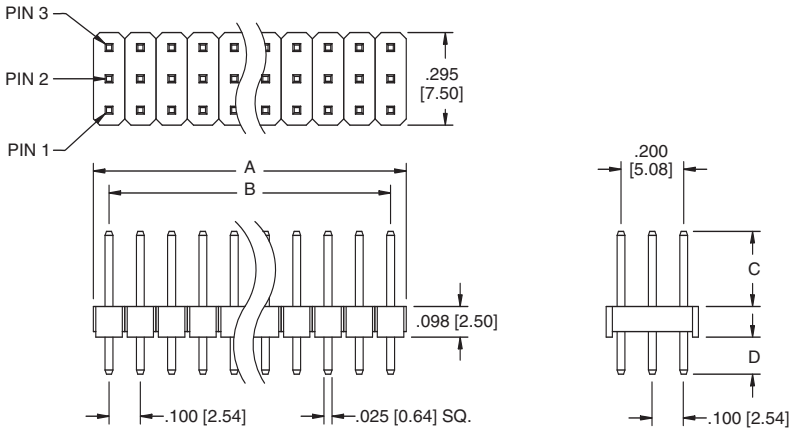
PH2-32-UA

Recommended PCB Layout



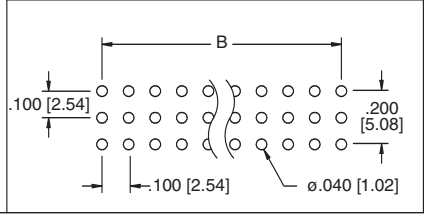
PH3
TRIPLE ROW

A = .100 [2.54] X No. of Positions per row.
B = .100 [2.54] X No. of Spaces.



PH3-48-UA

Recommended PCB Layout

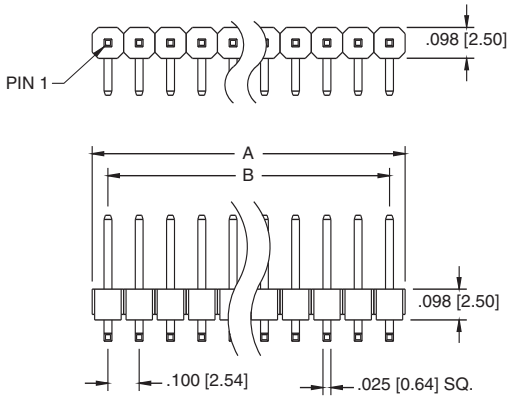


.100" PIN HEADERS

.100" [2.54] CENTERLINE

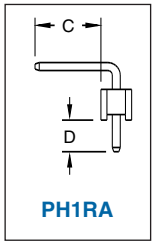
PH SERIES

PH1RB
SINGLE ROW



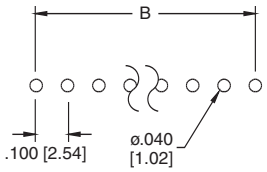
A = .100 [2.54] X No. of Positions.
B = .100 [2.54] X No. of Spaces.

PH1RB-16-UA



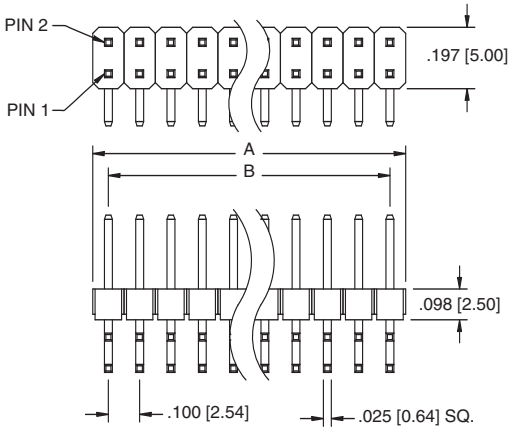
PH1RA

Recommended PCB Layout



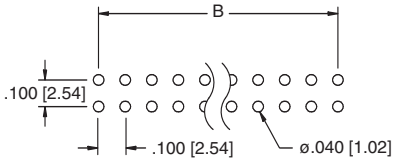
PH2RA
DUAL ROW

A = .100 [2.54] X No. of Positions per row.
B = .100 [2.54] X No. of Spaces.



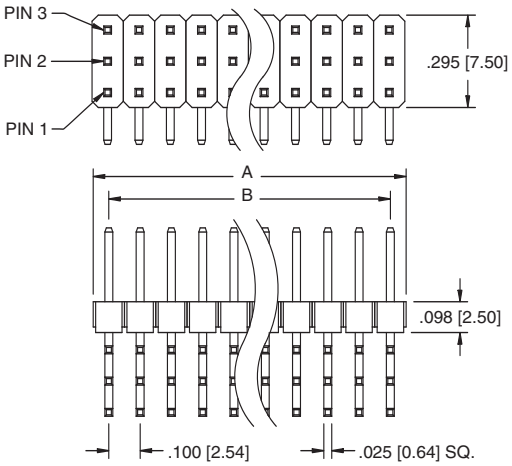
PH2RA-32-UA

Recommended PCB Layout



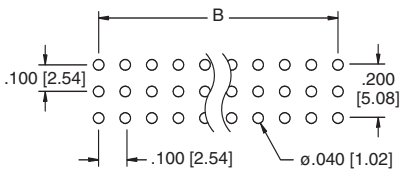
PH3RA
TRIPLE ROW

A = .100 [2.54] X No. of Positions per row.
B = .100 [2.54] X No. of Spaces.



PH3RA-48-UA

Recommended PCB Layout

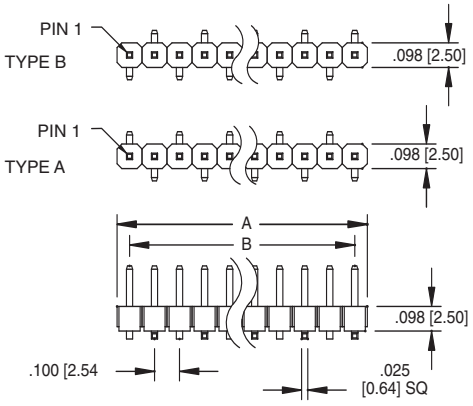


.100" PIN HEADERS

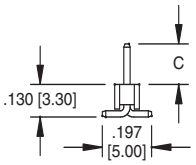
.100" [2.54] SURFACE MOUNT

PH SERIES

PH1
SMT-SINGLE ROW

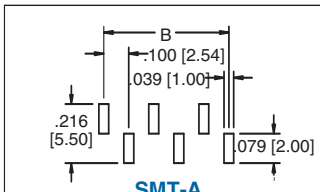


A = .100 [2.54] X No. of Positions.
B = .100 [2.54] X No. of Spaces.

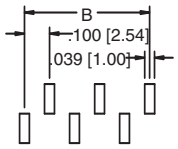


PH1-15-UA-SMT-B

Recommended PCB Layout

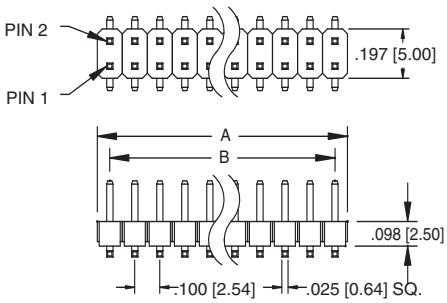


SMT-A

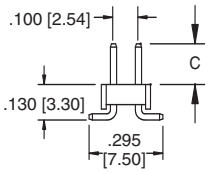


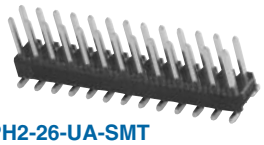
SMT-B

PH2
SMT-DUAL ROW

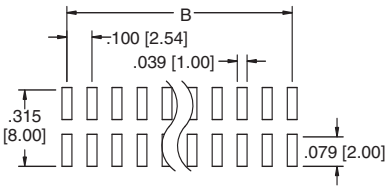


A = .100 [2.54] X No. of Positions per row.
B = .100 [2.54] X No. of Spaces.



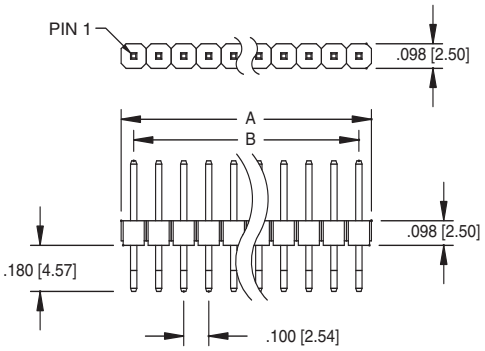


PH2-26-UA-SMT

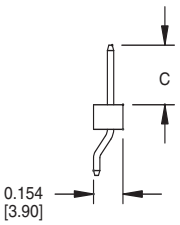


Recommended PCB Layout

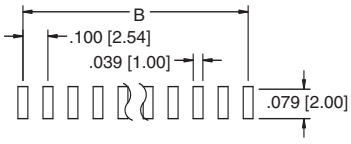
PH1RB
SMT-SINGLE ROW



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

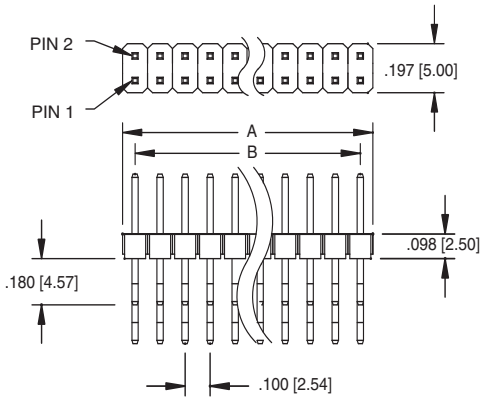


PH1RB-10-UA-SMT

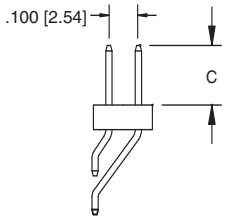


Recommended PCB Layout

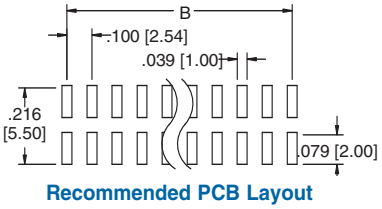
PH2RA
SMT-DUAL ROW



A = .100 [2.54] X No. of Positions per row.
B = .100 [2.54] X No. of Spaces.



PH2RA-20-UA-SMT



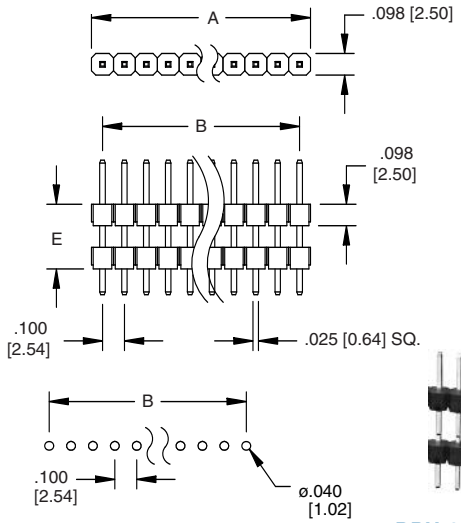
Recommended PCB Layout

.100" PIN HEADERS

DUAL INSULATOR .100" [2.54] CENTERLINE

DPH SERIES

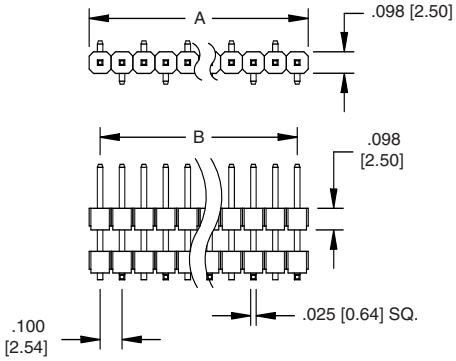
DPH-1

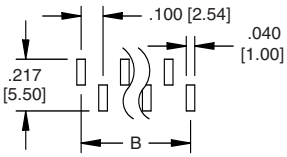


Recommended PCB Layout

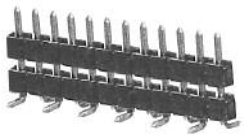
DPH-1-10-U-.220/.100/.350

DPH-1-SMT



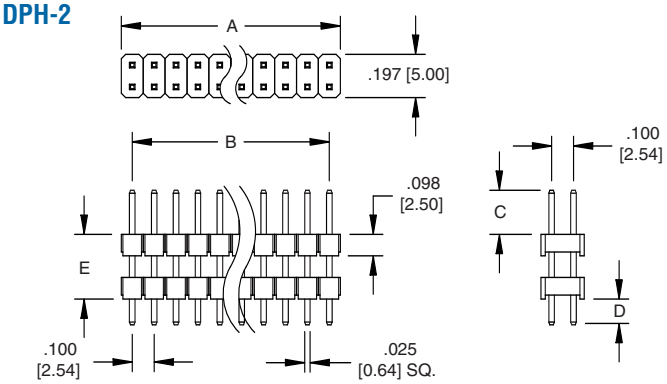


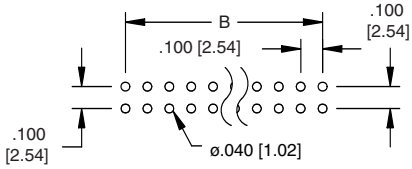
Recommended PCB Layout



DPH-1-12-U-.200/SMT/.220-A

DPH-2

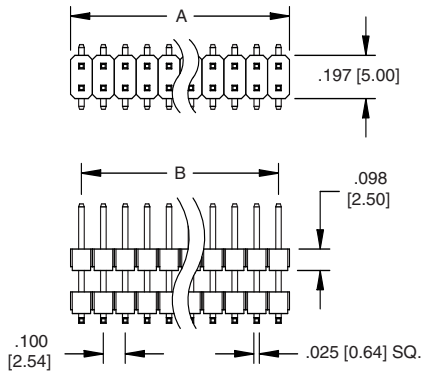


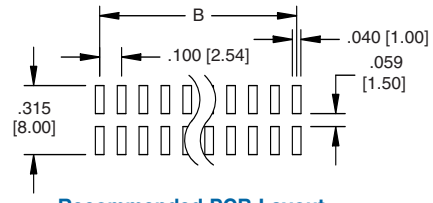


Recommended PCB Layout

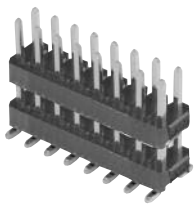
DPH-2-22-U-.220/.100/.350

DPH-2-SMT





Recommended PCB Layout



DPH-2-16-U-.250/SMT/.300

ORDERING INFORMATION

DPH	2	20	SG	.XXX"/.XXX"/.XXX" (C DIM) (D DIM) (E DIM)

SERIES INDICATOR
DPH = Dual insulator .100" centerline

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

POSITIONS
1 thru 40 (single row)
4 thru 80 (dual row)
3 thru 120 (triple row)

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

SPECIFIED IN INCHES AS:
C Dim. / D Dim. / E Dim.
(replace D Dim. with SMT for surface mount option)