

.100" HEADER & HOUSING SETS

.100" [2.54] CENTERLINE SINGLE & DUAL ROW
LHA, LHS, MTA, MTS & HHS SERIES

INTRODUCTION:

Adam Tech's Latching Header & Housing sets were designed to attach wires to a PCB. This series features a friction locking header which mates to a polarized wire housing with crimp contacts. This set provides a secure, easy to mate connection with superior electrical characteristics.

FEATURES:

Precision .025" sq. posts
Secure friction lock
Polarized anti-vibration design
Available in 2 - 20 positions

MATING CONNECTORS:

All industry standard .100 centerline compatible latching headers and housings

SPECIFICATIONS:

Material:

Insulator: Nylon 66, rated UL94V-2
Insulator Color: White
Contacts: Phosphor bronze and Brass

Contact Plating:

Tin over copper underplate overall

Electrical:

Operating voltage: 250V AC max.
Current rating: 3 Amps max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 500V AC for 1 minute

Mechanical:

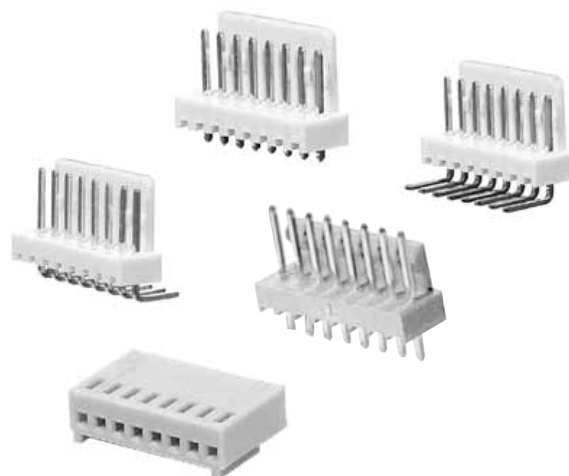
Recommended wire size: 22 to 28 Awg with .059" O.D. insulation max.
Temperature Rating:
Operating temperature: -25°C to +85°C

PACKAGING:

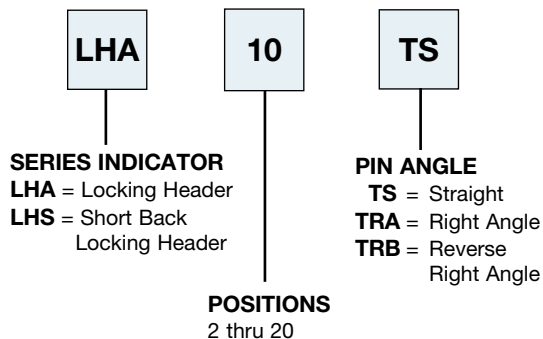
Anti-ESD plastic bags

SAFETY AGENCY APPROVALS:

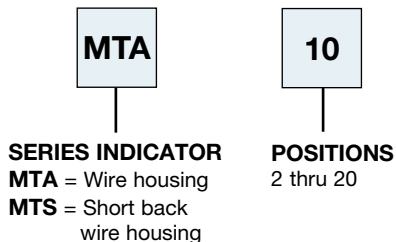
UL Recognized & CSA Certified, File no. E224053



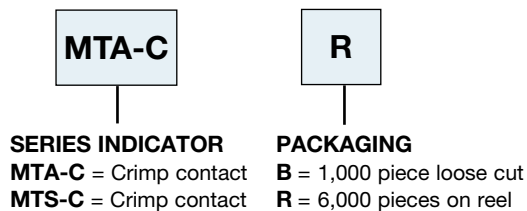
ORDERING INFORMATION FRICTION LOCK HEADER



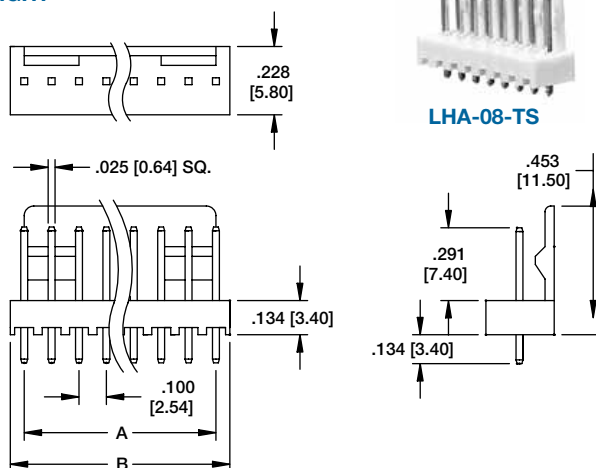
HOUSING



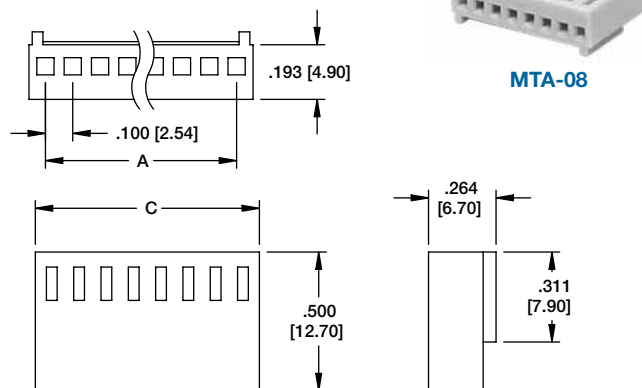
CRIMP CONTACT



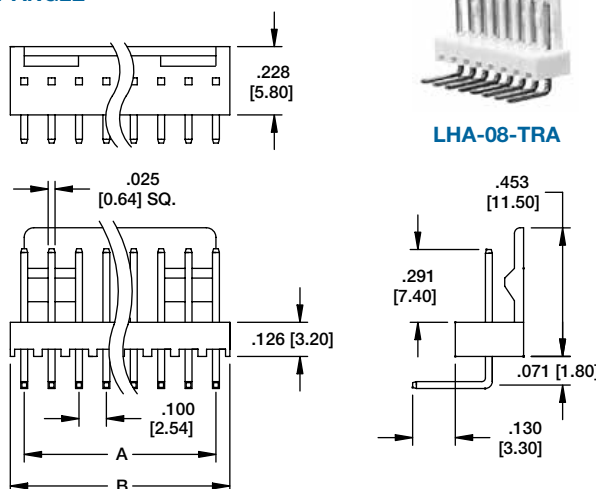
LHA STRAIGHT



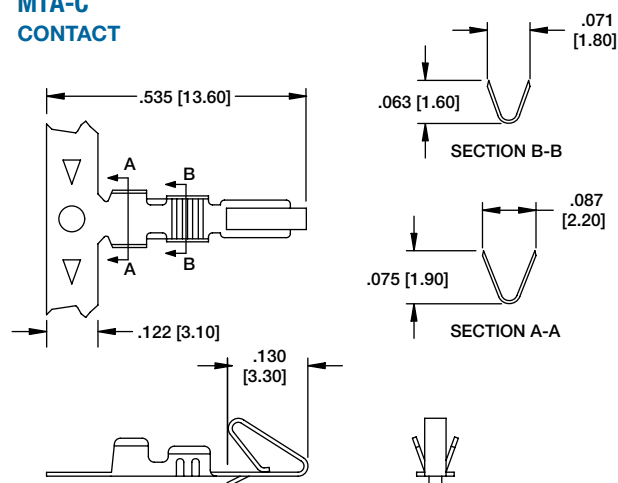
MTA HOUSING



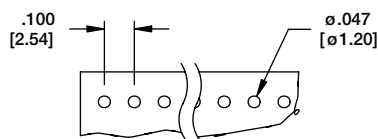
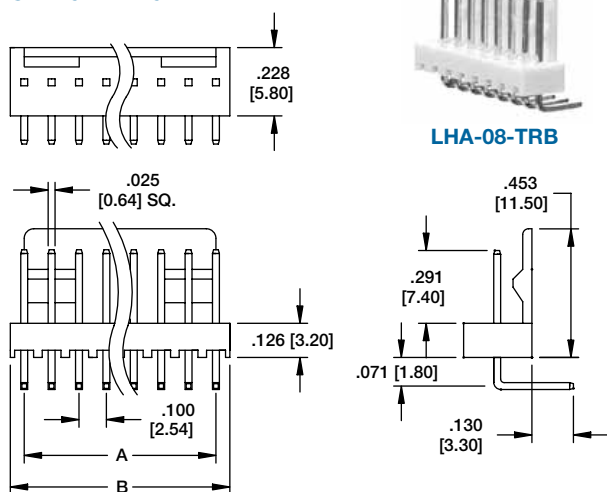
LHA RIGHT ANGLE



MTA-C CONTACT



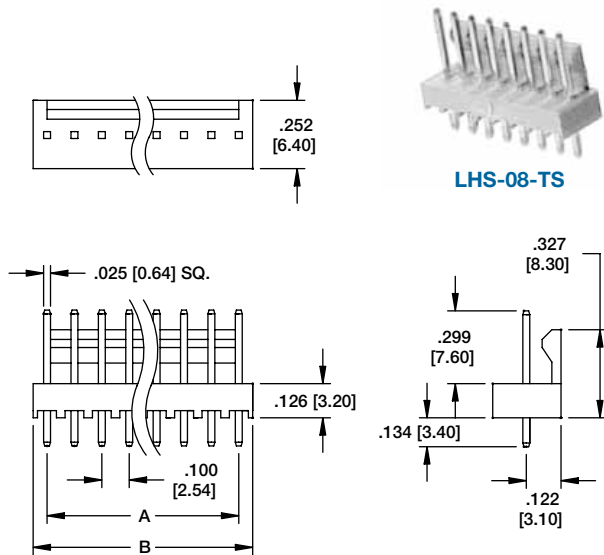
LHA REVERSE RIGHT ANGLE



Recommended PCB Layout

A = .100 [2.54] x No. of Spaces
B = .100 [2.54] X No. of Spaces + .100 [2.54]
C = .100 [2.54] X No. of Spaces + .122 [3.11]

LHS STRAIGHT PCB MOUNT

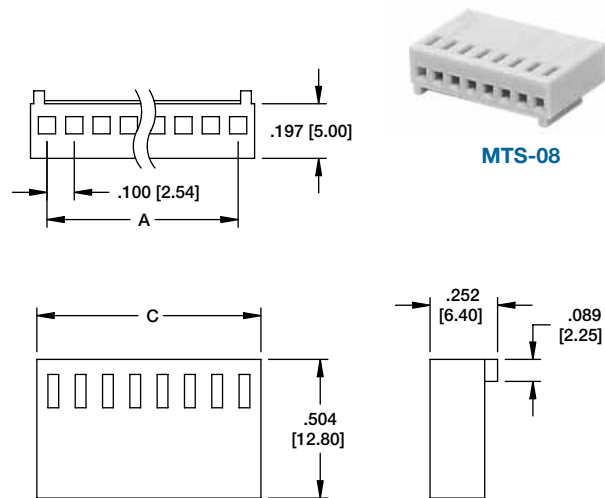


LHS-08-TS

$$A = .100 [2.54] \times \text{No. of Spaces}$$

$$B = .100 [2.54] \times \text{No. of Spaces} + .104 [2.65]$$

MTS HOUSING

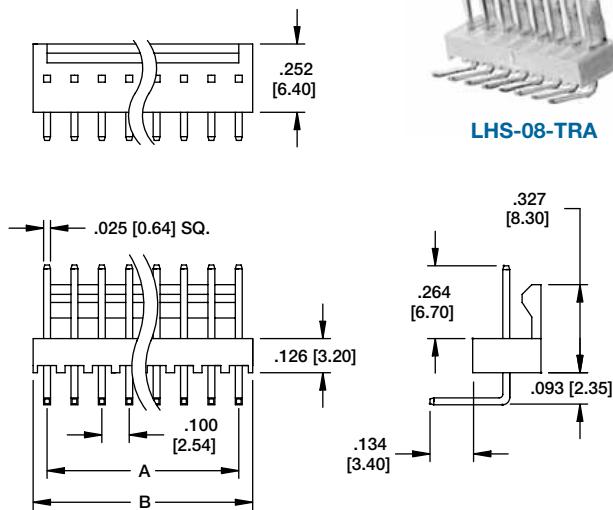


MTS-08

$$A = .100 [2.54] \times \text{No. of Spaces}$$

$$B = .100 [2.54] \times \text{No. of Spaces} + .104 [2.65]$$

LHS RIGHT ANGLE PCB MOUNT

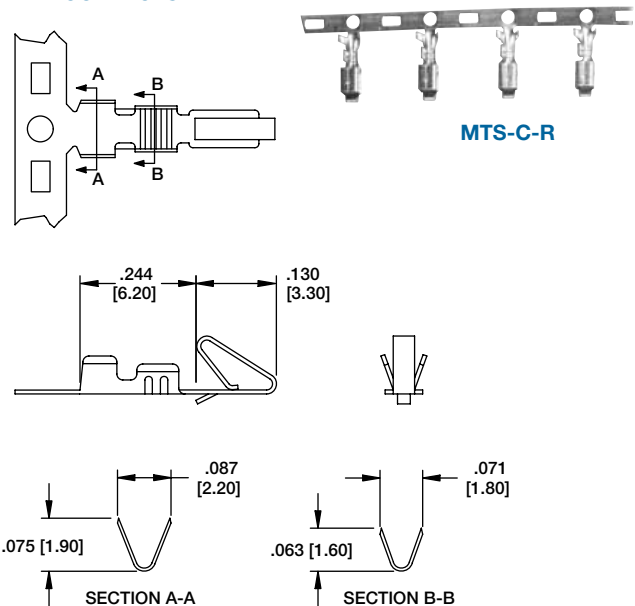


LHS-08-TRA

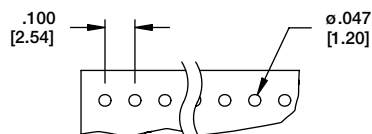
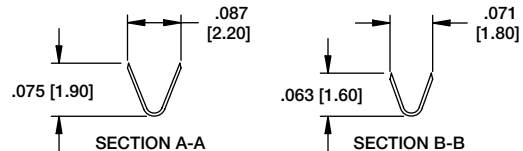
$$A = .100 [2.54] \times \text{No. of Spaces}$$

$$B = .100 [2.54] \times \text{No. of Spaces} + .104 [2.65]$$

MTS-C CRIMP CONTACTS



MTS-C-R



$$A = .100 [2.54] \times \text{No. of Spaces}$$

$$B = .100 [2.54] \times \text{No. of Spaces} + .104 [2.65]$$

Recommended PCB Layout

INTRODUCTION:

Adam Tech .156" Headers and Housings are two matched sets of Crimp Wire Housings and PCB mounted Latching Headers available in Straight and Right Angle orientation. This system is available with a front locking header, a rear locking header or without a locking feature. Each of the locking types are polarized to fit in only one direction with the housing. This system provides a sturdy, high current, high reliability connection with or without the polarized locking option.

FEATURES:

Matched Latching Housing & Header system
Straight, Right Angle mounting Headers
Choice of Two Latching Types
Housings feature High pressure, Low insertion force contacts

MATING CONNECTORS:

Adam Tech MTB series and all industry standard latching type
.156 [3.96mm] centers

SPECIFICATIONS:

Material:

Insulator: Nylon 66, rated UL94V-2
Insulator Color: Natural
Contacts: Phosphor bronze and Brass
Contact Plating:
Tin over copper underplate overall

Electrical:

Operation voltage: 250V AC max.
Current rating: 5 Amp max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:

Recommended wire size: 18 to 24 Awg

Environmental:

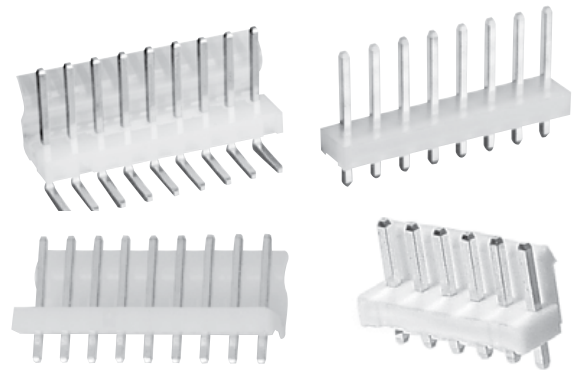
Operating temperature: -25°C to +85°C

PACKAGING:

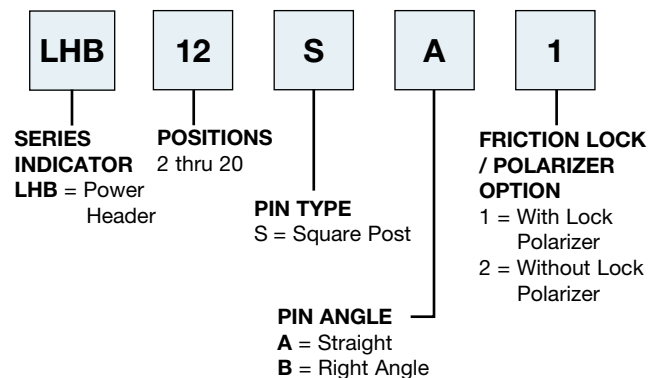
Anti-static plastic bags

APPROVALS AND CERTIFICATIONS:

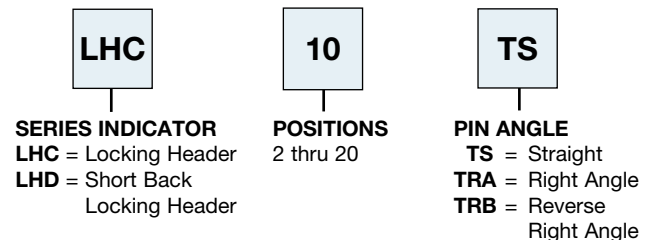
UL Recognized & CSA Certified, File no. E224053



POWER HEADER



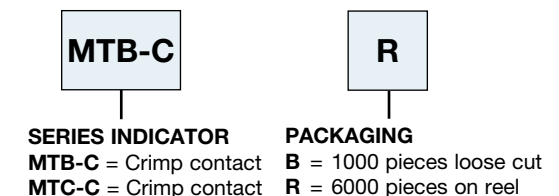
POWER HEADER

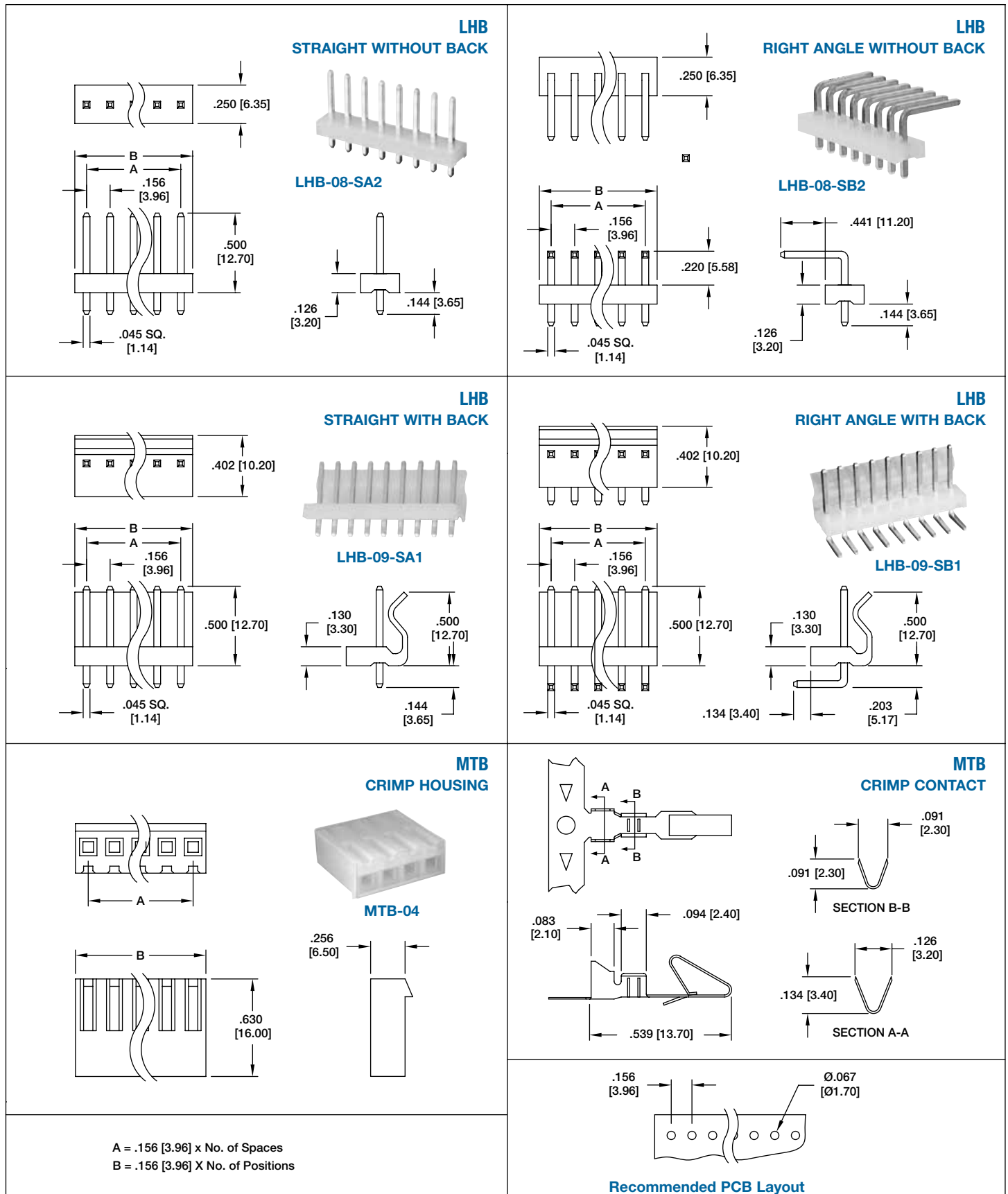


HOUSING

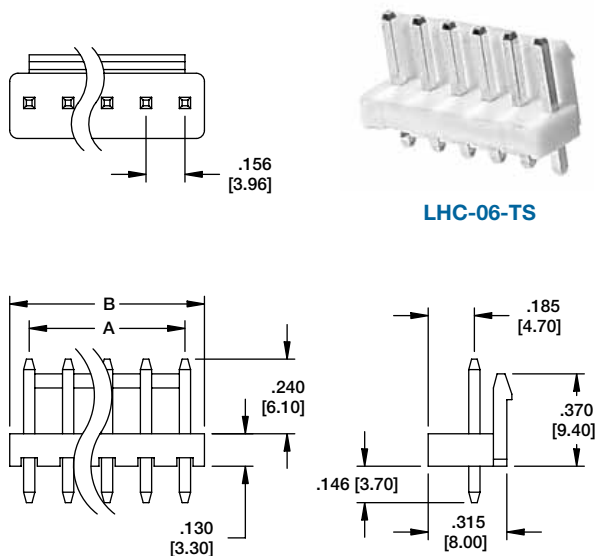


CRIMP CONTACT

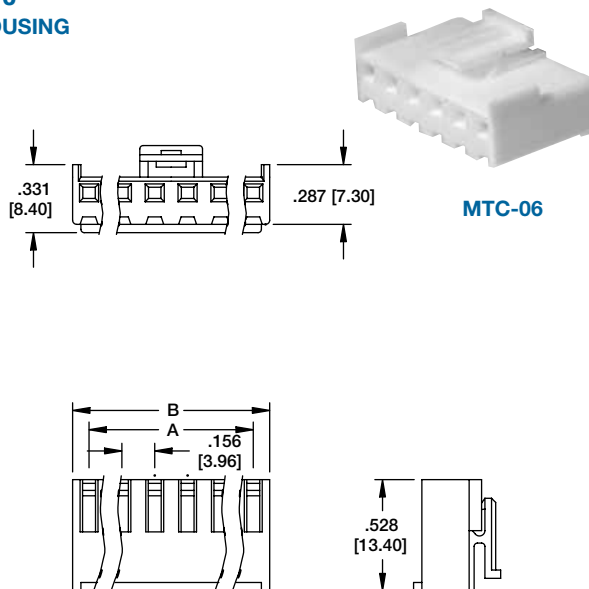




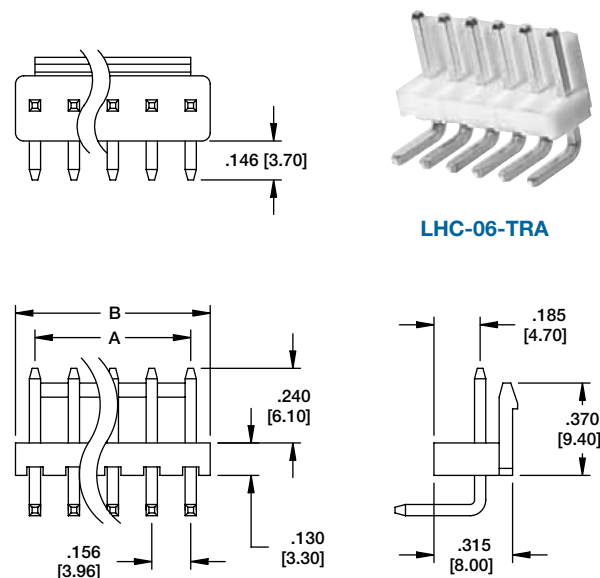
LHC STRAIGHT WITH REAR LOCK



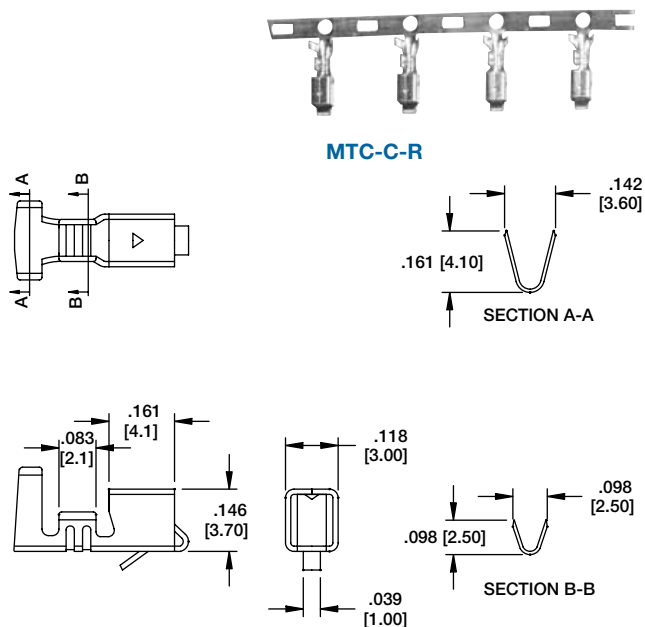
MTC HOUSING



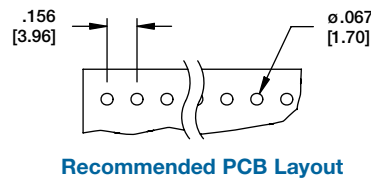
LHC RIGHT ANGLE WITH REAR LOCK



MTC-C CRIMP CONTACTS

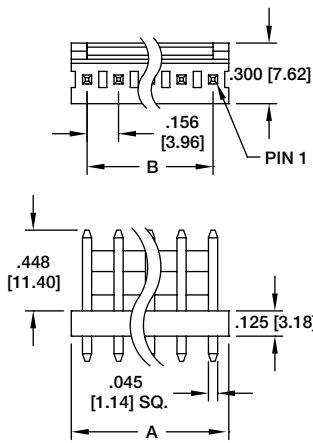


A = .156 [3.96] x No. of Spaces
B = .156 [3.96] X No. of Spaces + .156 [3.96]

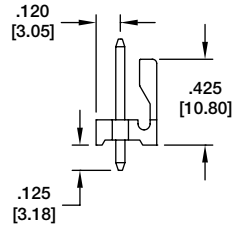


A = .156 [3.96] x No. of Positions
B = .156 [3.96] x No. of Spaces

LHD STRAIGHT PBC MOUNT

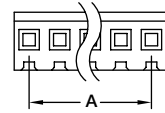


LHD-06-TS

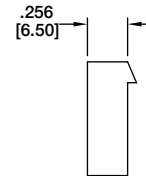


A = .156 [3.96] x No. of Positions
B = .156 [3.96] x No. of Spaces

MTB HOUSING

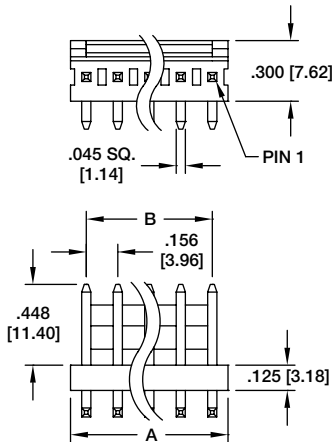


MTB-08

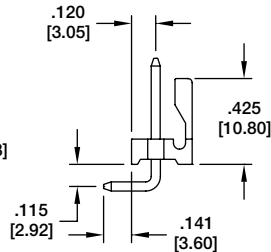


A = .156 [3.96] x No. of Positions
B = .156 [3.96] x No. of Spaces

LHD RIGHT ANGLE PCB MOUNT

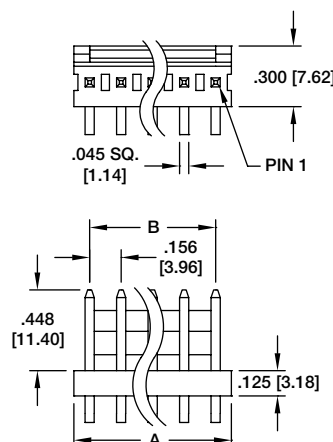


LHD-06-TRA

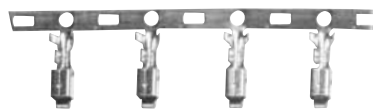
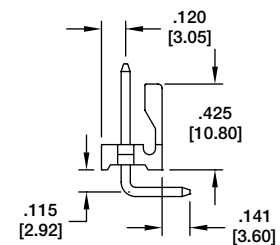


A = .156 [3.96] x No. of Positions
B = .156 [3.96] x No. of Spaces

LHD REVERSE RIGHT ANGLE PCB MOUNT

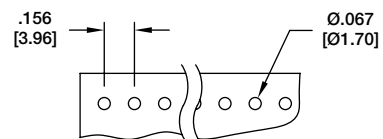
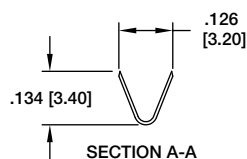
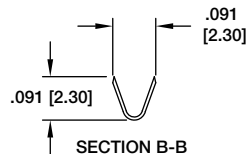
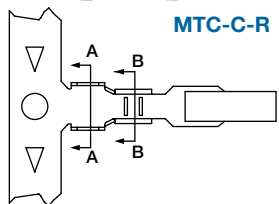


LHD-06-TRB



MTC-C CRIMP CONTACT

MTC-C-R



Recommended PCB Layout

INTRODUCTION:

Adam Tech's Mini-Flex series of connectors include cable to board, wire to board and board to board choices. This series is designed with a dual contact point mating system and an array of locating posts and PCB pegs for positive alignment and friction lock mating. Rigid, staggered solder tails provide excellent stability for rugged use and feature kinked tails for PCB retention.

FEATURES:

Fine .050" Pitch for Hi-Density connection
Flat heavy gauge contact blades for positive connectivity
Equipped with Polarizing posts and locating pegs
Positive Friction Locking mating
Kinked solder tails for PCB retention

SPECIFICATIONS:

Material:

Insulator: Polyester, glass filled, rated UL94V-0

Insulator Color: Red

Contacts: Phosphor Bronze or Brass

PLATING:

Tin over Copper underplate overall

ELECTRICAL:

Operating Voltage: 250V AC

Current Rating: 1.2 Amps Max.

Contact Resistance: 10 mΩ Max.

Insulation Resistance: 1000 MΩ Min.

Dielectric Withstanding Voltage: 750V AC for 1 Minute

TEMPERATURE RATING:

Operation Temperature: -25°C ~ +105°C

PACKAGING:

Anti ESD plastic trays or Tubes

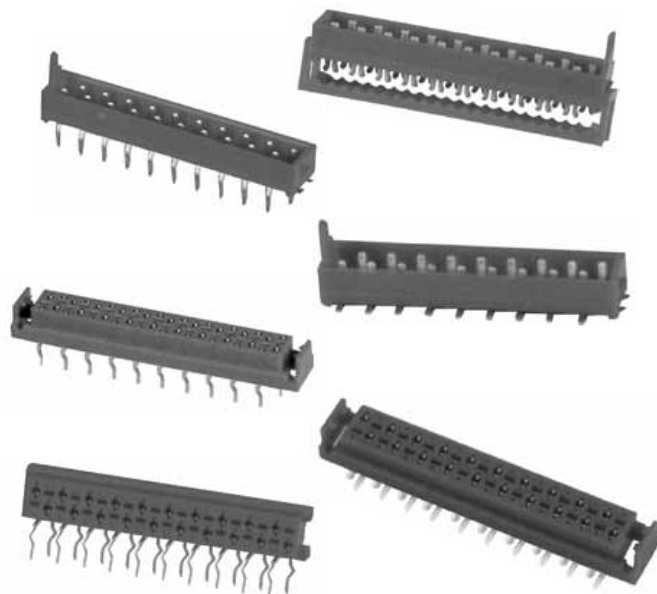
SAFETY AGENCY APPROVALS:

UL Recognized

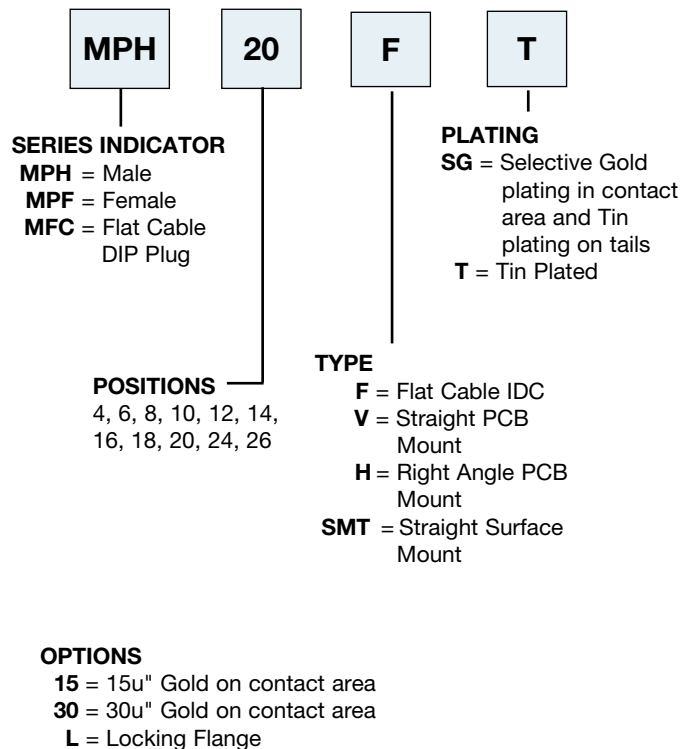
CSA Certified

APPROVALS AND CERTIFICATIONS:

UL Recognized & CSA Certified, File no. E224053

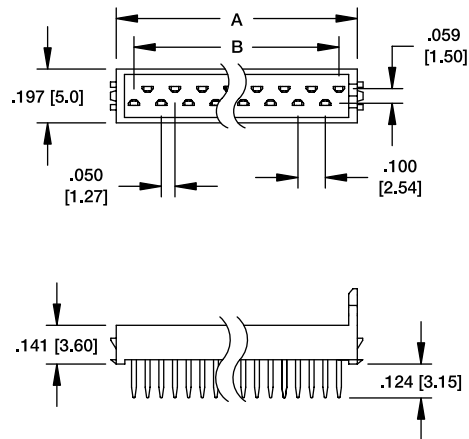


ORDERING INFORMATION

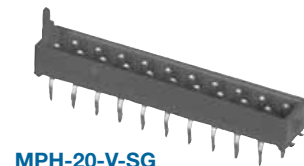
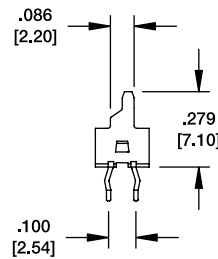


MPH

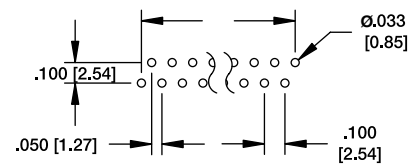
PCB MALE HEADER



A = .050 [1.27] X # of positions + .120 [3.05]
B = .050 [1.27] X # of spaces



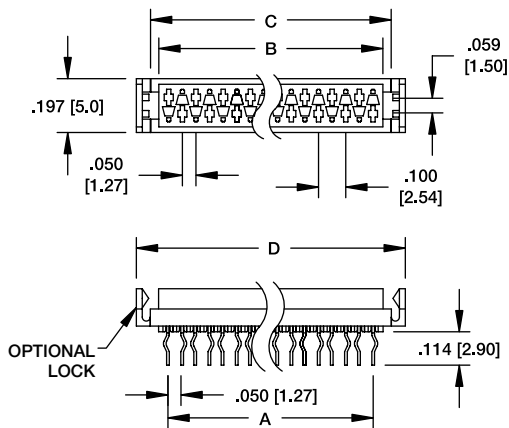
MPH-20-V-SG



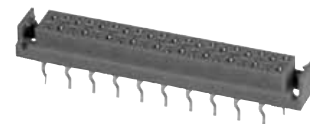
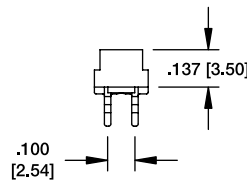
Recommended PCB Layout

MPF

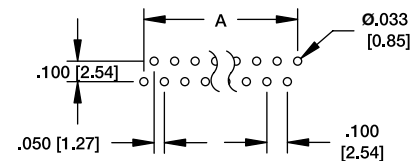
PCB FEMALE HEADER



A = .050 [1.27] X # of spaces
B = .050 [1.27] X # of positions + .020 [0.52]
C = .050 [1.27] X # of positions + .078 [2.00]
D = .050 [1.27] X # of positions + .181 [4.60]



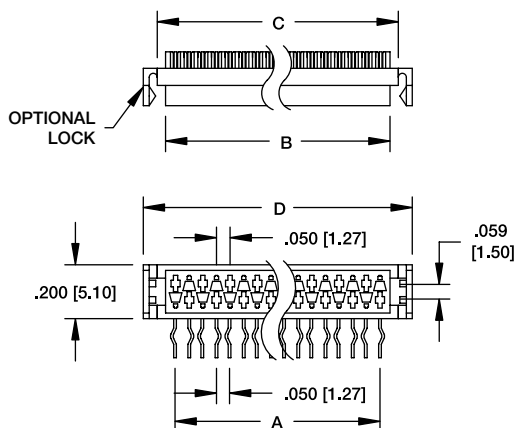
MPF-20-V-SG-L



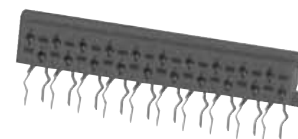
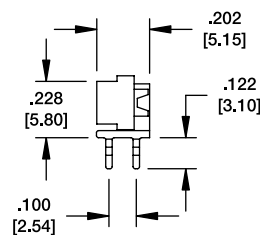
Recommended PCB Layout

MPF

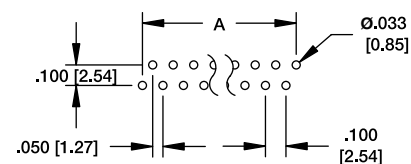
PCB FEMALE HEADER RIGHT ANGLE



A = .050 [1.27] X # of spaces
B = .050 [1.27] X # of positions + .020 [0.52]
C = .050 [1.27] X # of positions + .078 [2.00]
D = .050 [1.27] X # of positions + .181 [4.60]

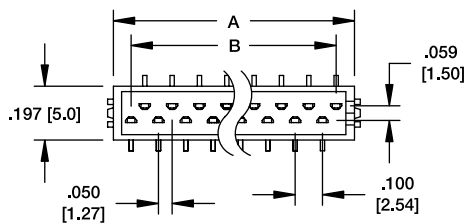


MPF-20-H-SG

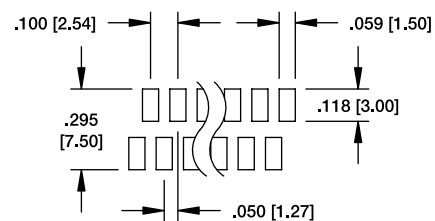
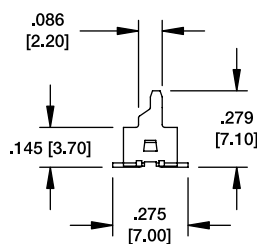


Recommended PCB Layout

MPH PCB MALE HEADER SMT



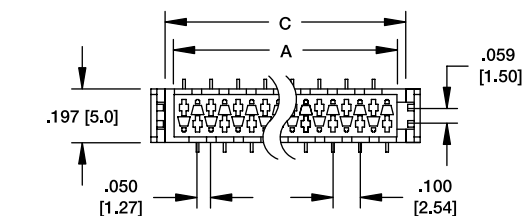
MPH-20-SMT-SG



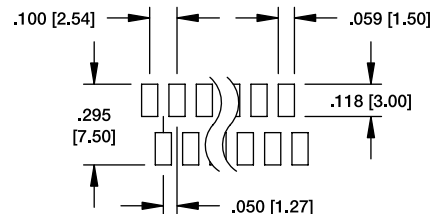
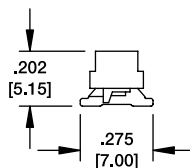
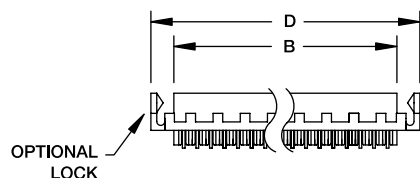
Recommended PCB Layout

A = .050 [1.27] X # of positions + .120 [3.05]
B = .050 [1.27] X # of spaces

MPF PCB FEMALE HEADER SMT



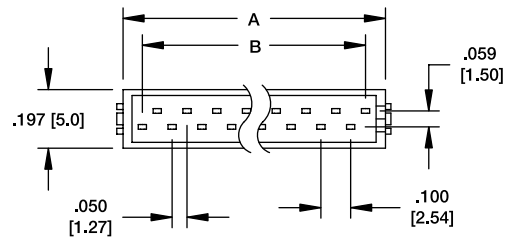
MPF-20-SMT-SG



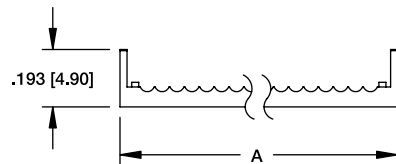
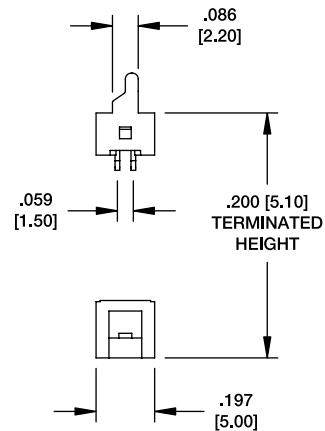
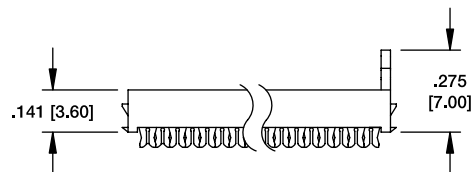
Recommended PCB Layout

A = .050 [1.27] X # of spaces
B = .050 [1.27] X # of positions + .020 [0.52]
C = .050 [1.27] X # of positions + .078 [2.00]
D = .050 [1.27] X # of positions + .181 [4.60]

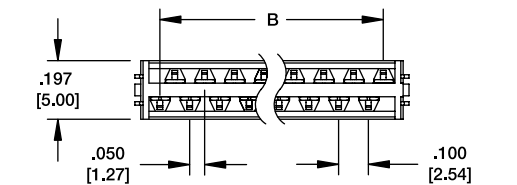
MPH IDC MALE PLUG



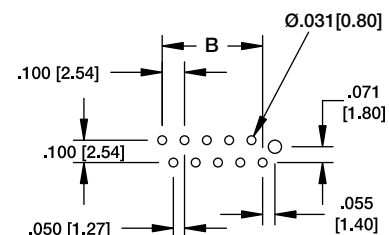
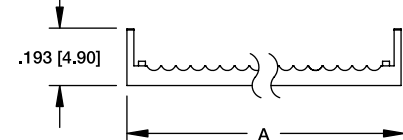
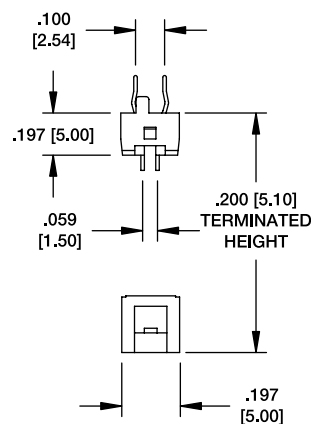
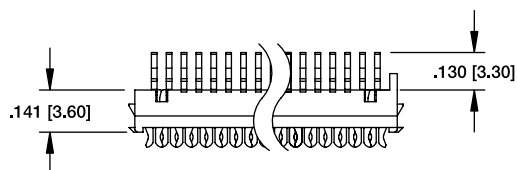
MPH-20-F-SG



MFC FLAT CABLE TO PCB PLUG



MFC-20-F-SG



Recommended PCB Layout

A = .050 [1.27] X # of positions + .120 [3.05]
B = .050 [1.27] X # of spaces

INTRODUCTION:

Adam Tech's Memory Connector series is a complete range of memory sockets for most memory card applications including Compact Flash, PCMCIA, Memory Stick and Secure Digital. Our advanced designs are focused on their ease of use, mating accuracy, card retention and cycle life. Precision engineered, extremely durable mating contacts and PCB leads contribute to a solid, high reliability, long life design.

FEATURES:

Multitude of sockets to satisfy most applications
Precision, compact designs
Fine pitched, heavy duty contacts
Sockets conform to CFA, JEIDA, PCMCIA & JEDEC

MATING OPTIONS:

All industry standard memory cards

SPECIFICATIONS:

Material:

Insulator: PA9 or LCP, glass reinforced, rated UL94V-0
Contacts: Phosphor Bronze
Frame / shield: Brass, nickel plated

Contact Plating:

Gold over nickel underplate on contact area, tin over copper underplate on tails.

Electrical:

Operation voltage: 250V AC max.
Current rating: 0.5 and 1 Amps max.
Contact resistance: 40 mΩ max. initial
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:

Mating durability: 10,000 cycles min.

Temperature Rating:

Operating temperature: -20°C to +85°C

PACKAGING:

Anti-ESD plastic trays

SAFETY AGENCY APPROVALS:

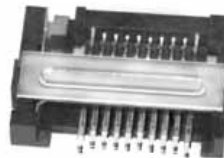
UL Recognized & CSA Certified, File no. E224053



MEMORY SOCKETS

MEMORY STICK, SMART MEDIA,
SECURE DIGITAL & PCMCIA
COMPACT FLASH

Memory Stick



MS-10-A-SG
Pg 276

Micro Secure Digital (Push-Push Type)



MCSP-08-C-SG (Reverse Type)
Pg 276

Mini Secure Digital



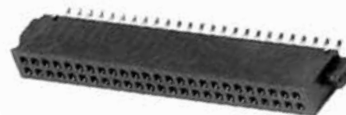
MSD-11-B-SG (Standard Type)
Pg 278

Compact Flash



CFA-50-A-SG-B-1
Pg 280-281

Compact Flash



CFA-50-A-SMT-A
Pg 279

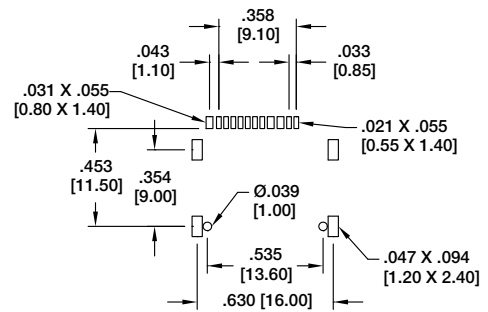
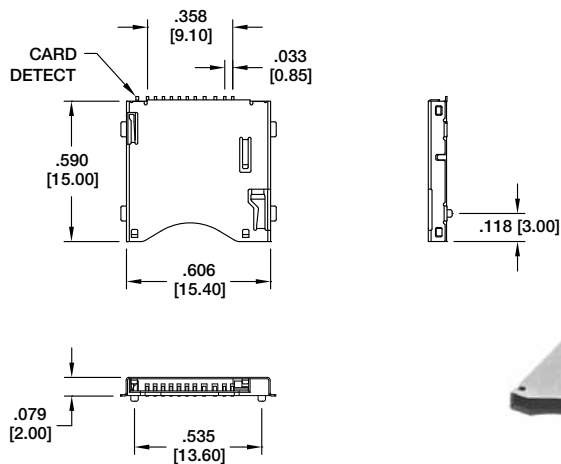
OPTIONS:

Add designator(s) to end of part number
30 = 30 μin gold plating in contact area

MICRO STICK, MEMORY STICK & SIM CARD SOCKET

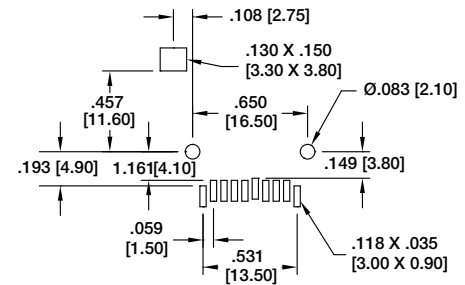
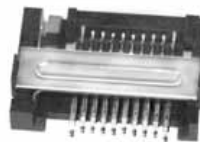
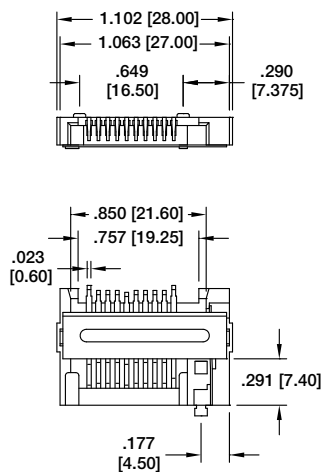
MEMORY SOCKETS

MICRO MEMORY STICK MMSP-11-A-SG



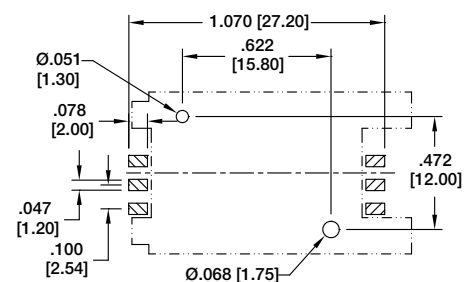
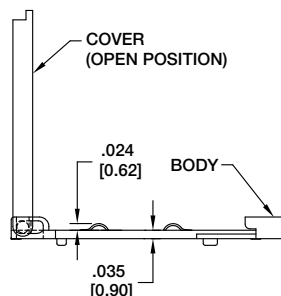
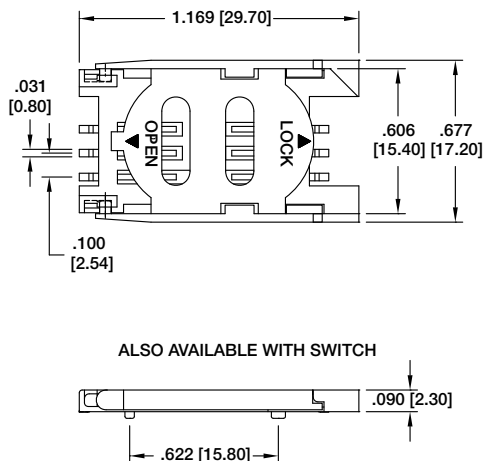
Recommended PCB Layout

MEMORY STICK MS-10-A-SG (NORMAL TYPE)



Recommended PCB Layout

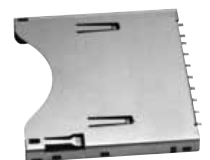
SIM CARD SOCKET SCC-06-SG-HC-NS



Recommended PCB Layout



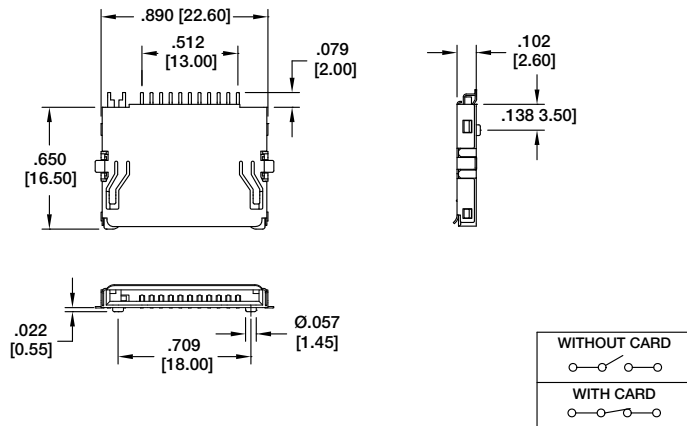
Recommended PCB Layout



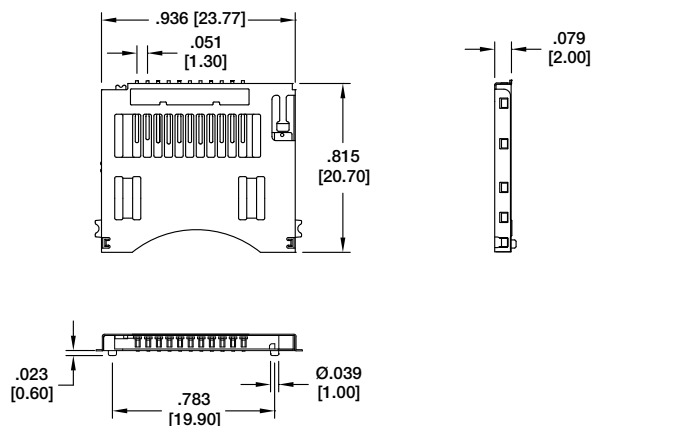
Recommended PCB Layout

MINI & MICRO SECURE DIGITAL SOCKETS MEMORY CONNECTORS

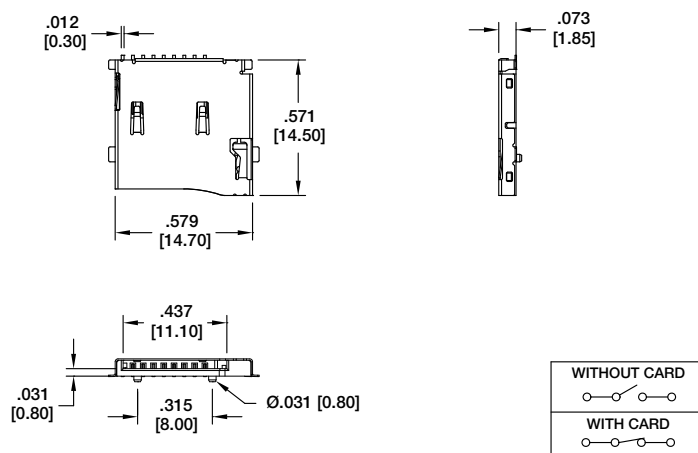
MINI SECURE DIGITAL
MSD-11-B-SG (STANDARD TYPE)



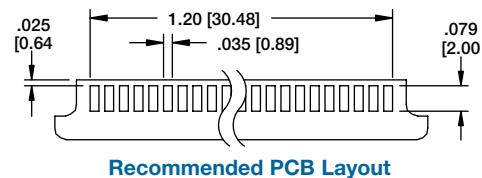
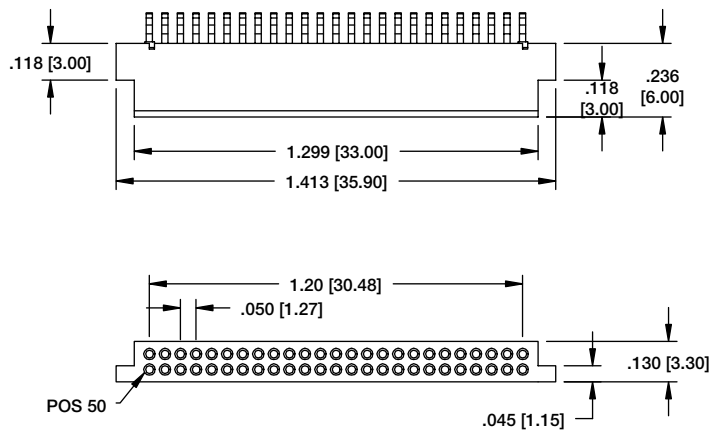
MINI SECURE DIGITAL
(PUSH - PUSH TYPE)
MSDPR-11-B-SG (REVERSE TYPE)



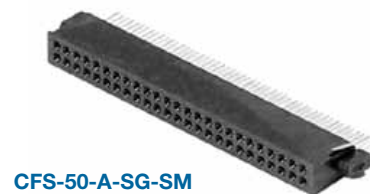
MICRO SECURE DIGITAL
(PUSH - PUSH TYPE)
MCSP-08-C-SG



50 PIN COMPACT FLASH SOCKET STRADDLE MOUNT

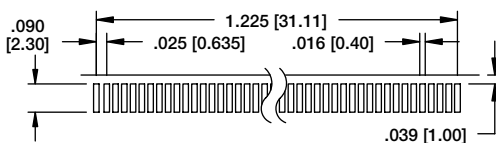
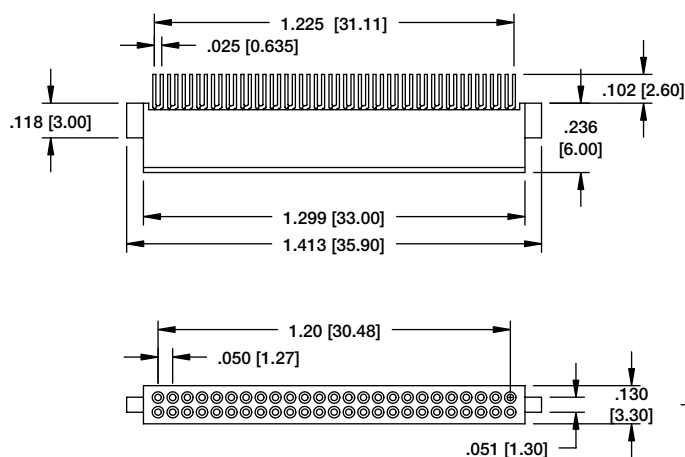


Recommended PCB Layout

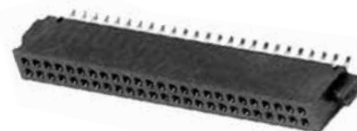


CFS-50-A-SG-SM

50 PIN COMPACT FLASH SOCKET SURFACE MOUNT



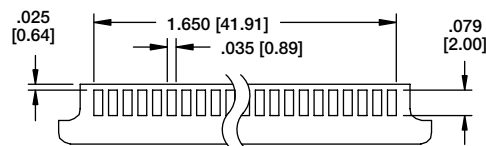
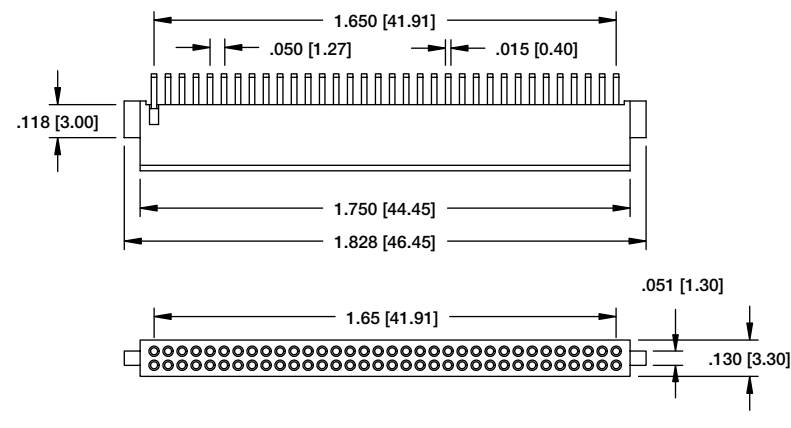
Recommended PCB Layout



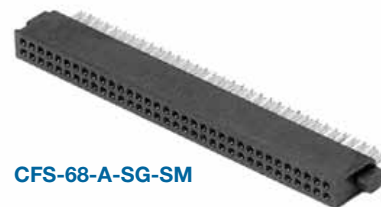
CFS-50-A-SMT-B

ADAM TECH PART NO.	"X" OFFSET
CFS-50-A-SMT-B	.012 [0.30]
CFS-50-A-SMT-C	.023 [0.60]
CFS-50-A-SMT-D	.035 [0.95]

68 PIN COMPACT FLASH SOCKET STRADDLE MOUNT

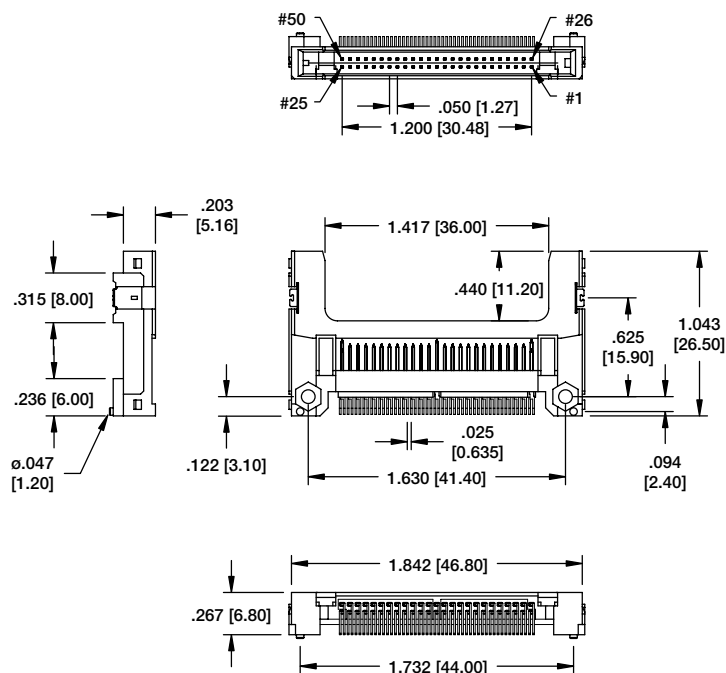


Recommended PCB Layout

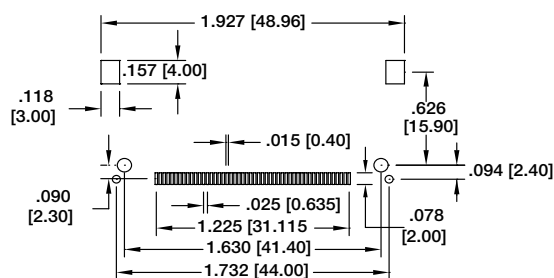


CFS-68-A-SG-SM

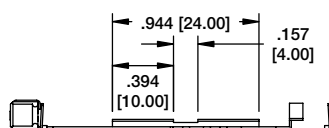
50 PIN COMPACT FLASH, TYPE 1



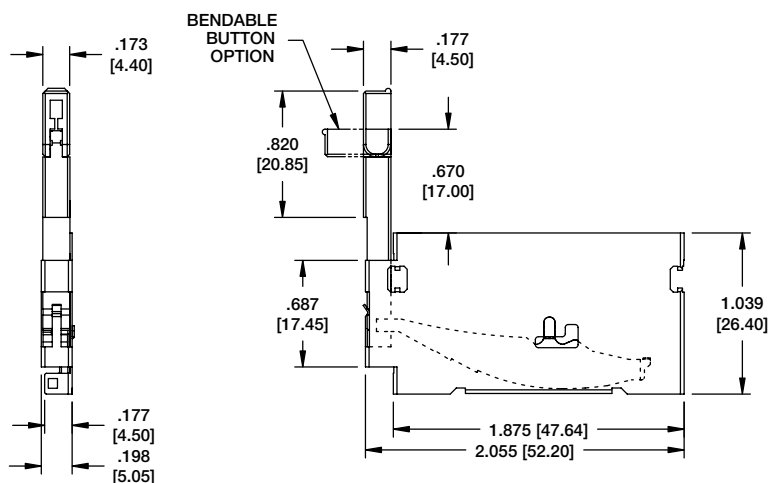
Part Nos. Available
CF1-50-A-SG (Standard Type)
CF1R-50-A-SG (Reverse Type) Not Shown

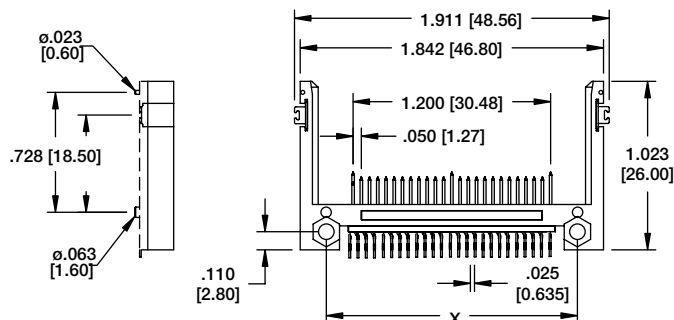
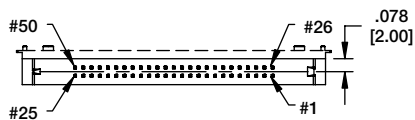


50 PIN COMPACT FLASH, EJECTOR (FOR USE WITH CF1 AND CF1R SERIES SOCKETS)

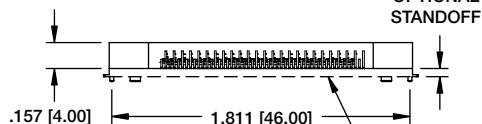


Part Nos. Available
CFE-50-L15 (15.0mm long Ejector button)
CFE-50-L20 (20.0mm long Ejector button)
CFE-50-L22 (22.0mm long Ejector button)





DIM X
1.581 [40.16]
1.525 [38.74]



OPTIONAL STANDOFF
 .047 [1.20] STANDARD TYPE
 .055 [1.40] REVERSE TYPE

ALSO AVAILABLE WITH EJECTOR

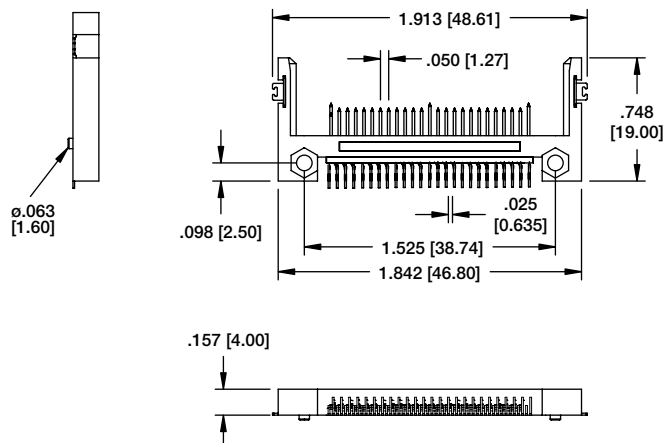
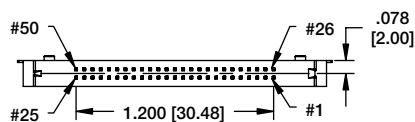
**50 PIN COMPACT FLASH,
SLIM TYPE (FITS CF TYPE 1 AND 2)**



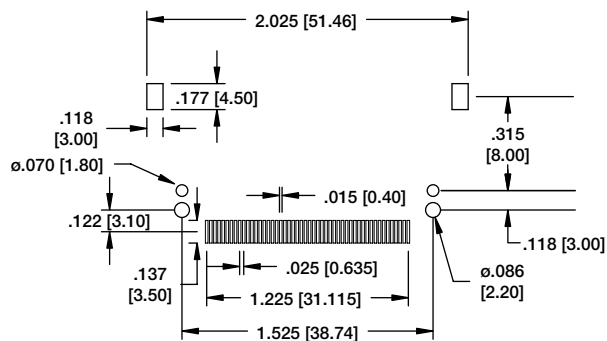
CFA-50-A-SG-B-1

CFA-50-A-SG-1 (Standard Type, 40.16mm)
CFR-50-A-SG-C-1 (Reverse Type, 40.16mm, Standoff 1.4mm)
CFA-50-A-SG-2 (Standard Type, 38.74mm)
CFR-50-A-SG-2 (Reverse Type, 38.74mm)

**50 PIN COMPACT FLASH,
SHORT SLIDE TYPE (FITS TYPE 2)**



CF-50-C-SG



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 over nickel underplate
SG = Gold 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:

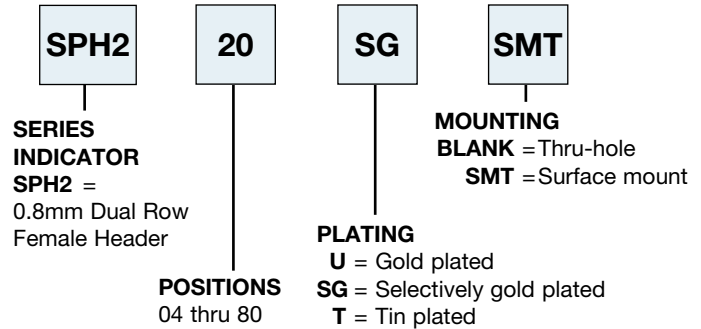
Anti-ESD plastic bags or tubes

APPROVALS AND CERTIFICATIONS:

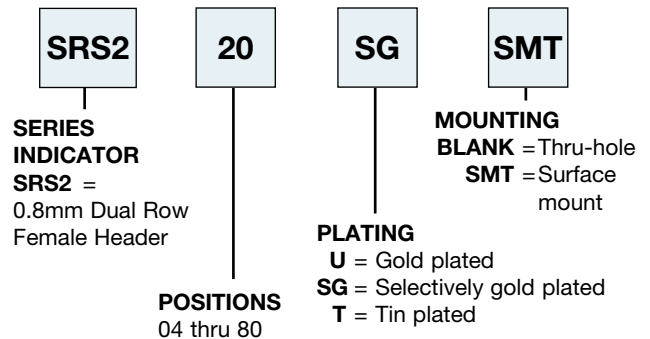
UL Recognized & CSA Certified, File no. E224053



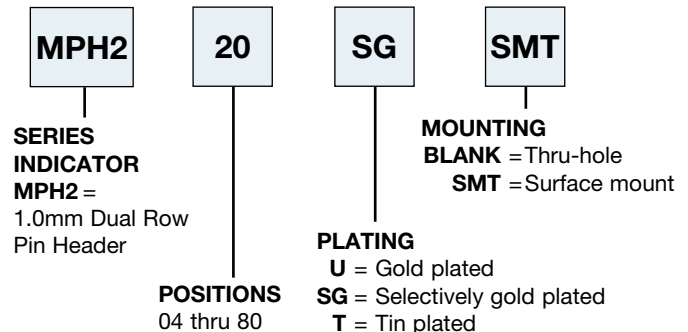
0.8mm MALE ORDERING INFORMATION



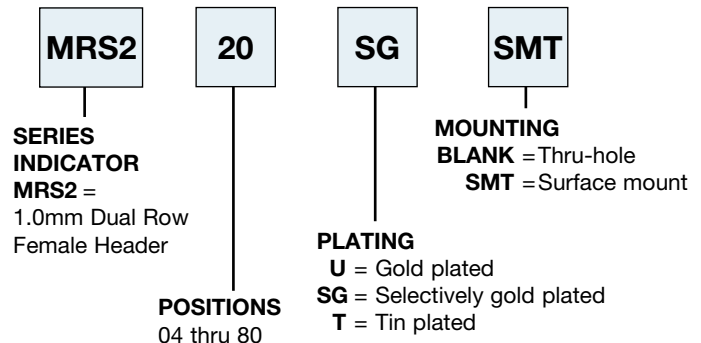
0.8mm FEMALE ORDERING INFORMATION



1.0mm MALE ORDERING INFORMATION



1.0mm FEMALE ORDERING INFORMATION



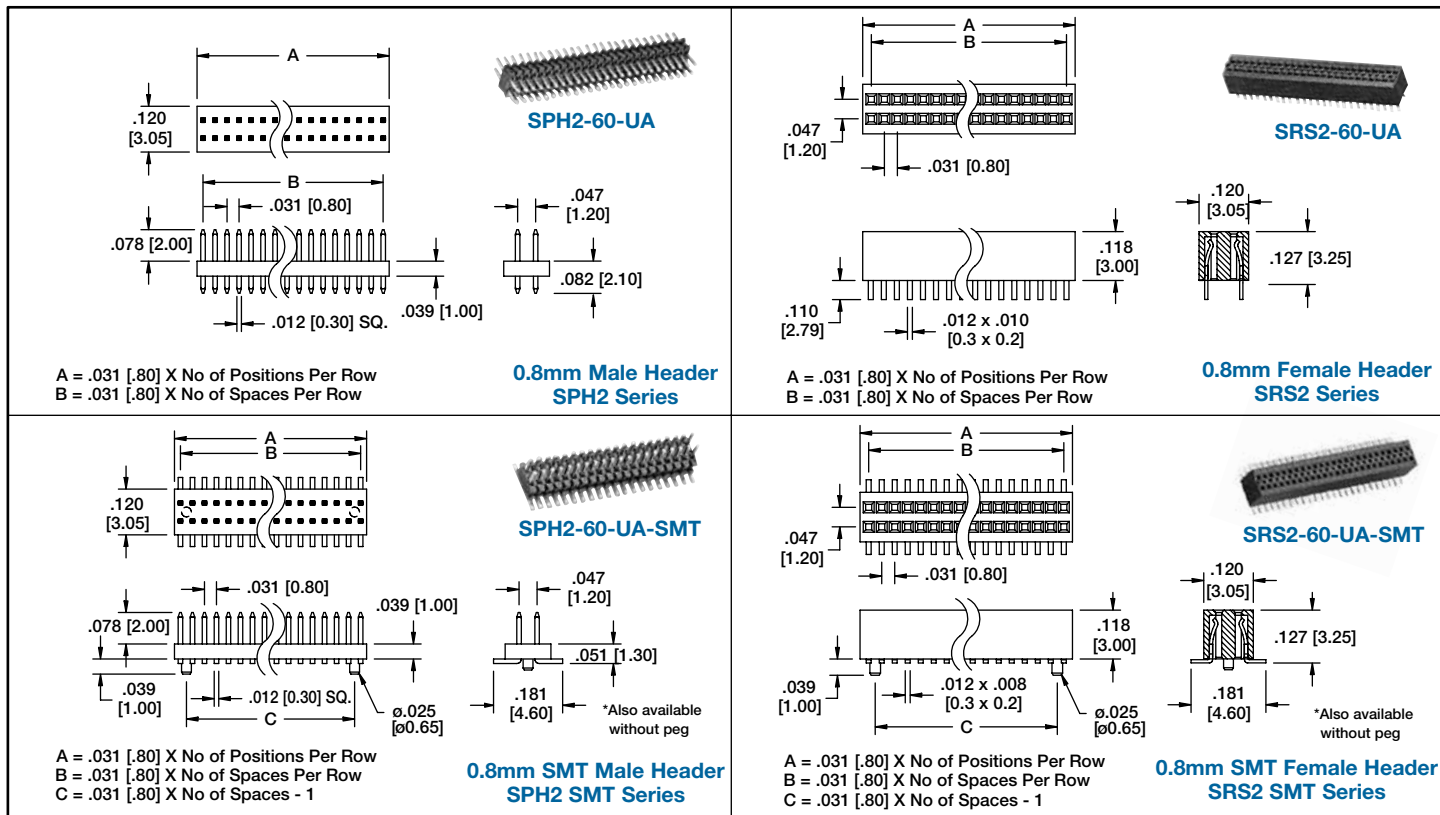
0.8mm SUB-MICRO HEADERS

1.00mm MICRO HEADERS

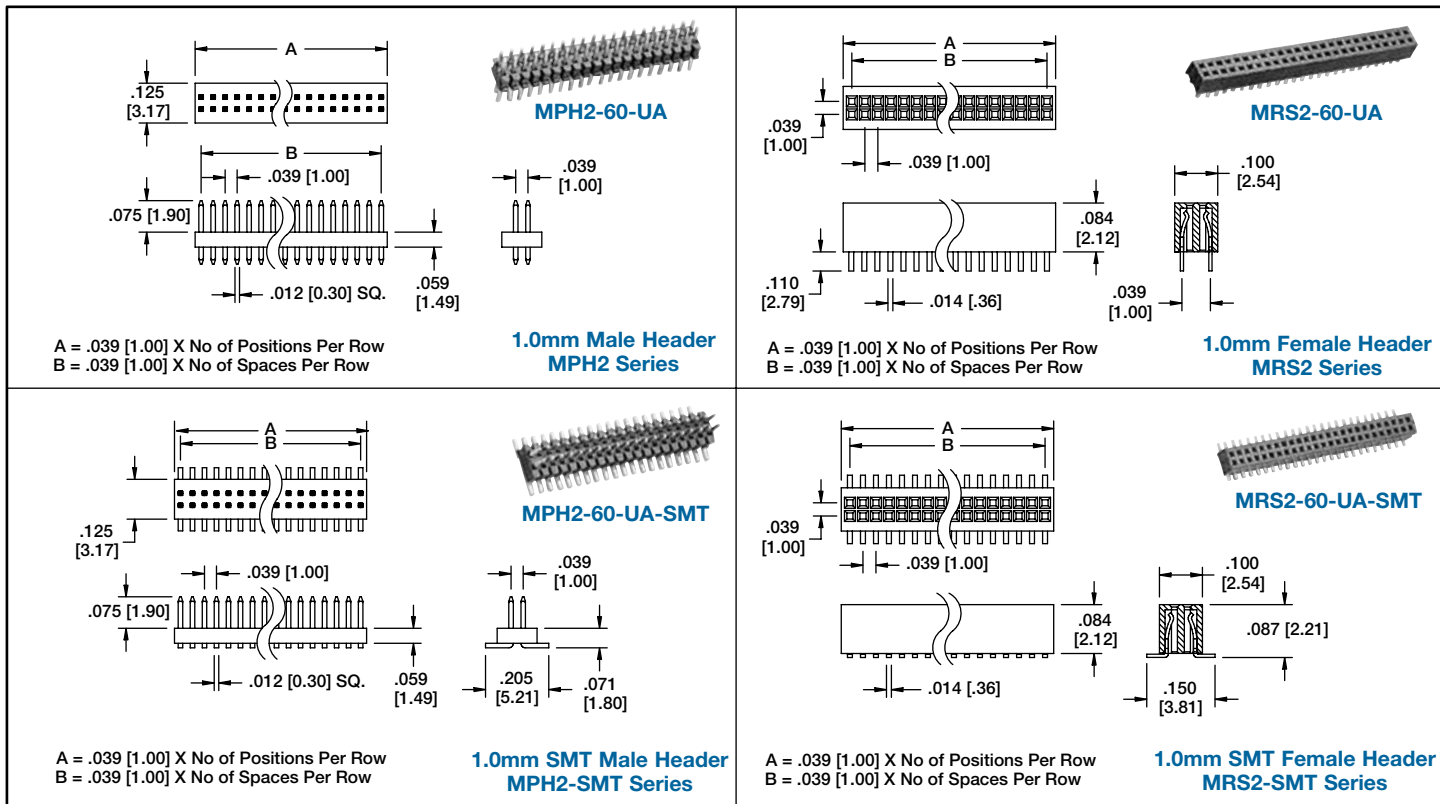
.031" [0.8] & .039" [1.00] CENTERLINE

MPH & SPH / MRS & SRS

0.8mm SUB-MICRO HEADERS



1.0mm MICRO HEADERS



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 over nickel underplate overall
SG = Gold 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 & CSA Certified, File no. E224053

**HI-TEMP
INSULATOR
AVAILABLE**



OPTIONS:

Add designator(s) to end of part number

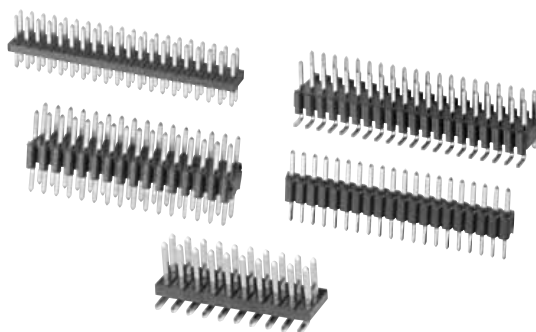
HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C
(Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)

SMT = Dual Row Surface Mount leads with Hi-Temp insulator for Hi-Temp soldering processes up to 260°C

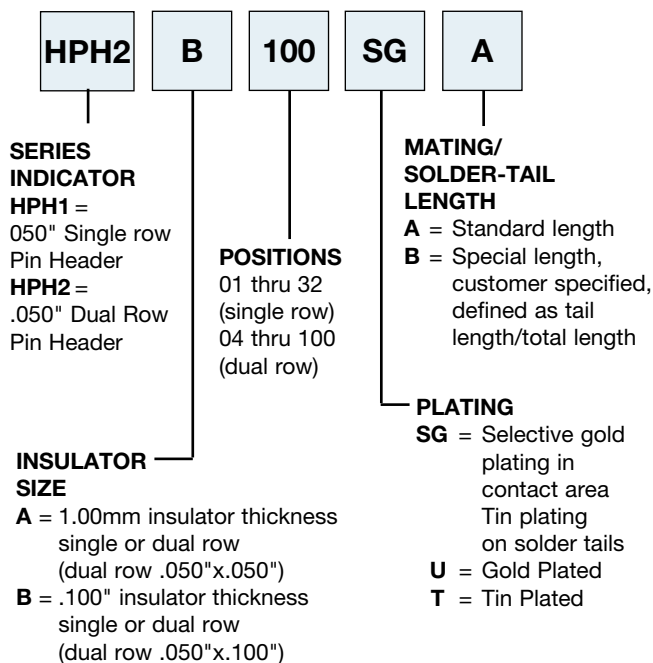
SMT-A = Single Row Surface Mount Leads Type A

SMT-B = Single Row Surface Mount Leads Type B

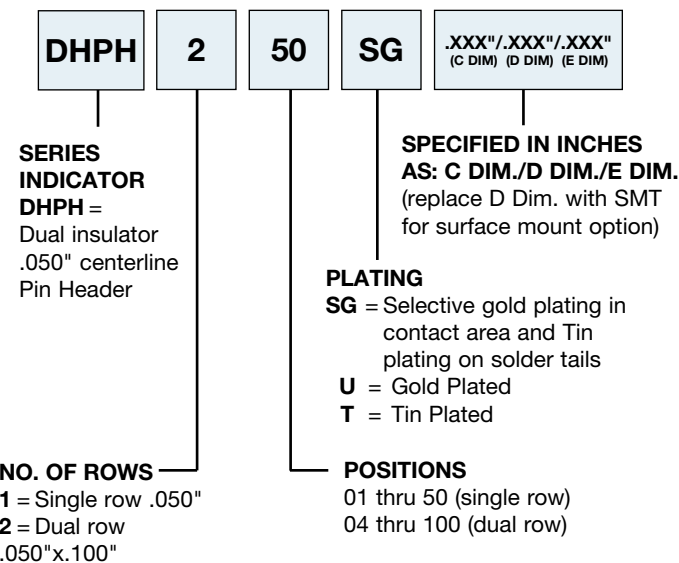
P = Optional locating peg

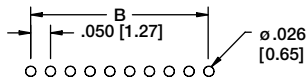
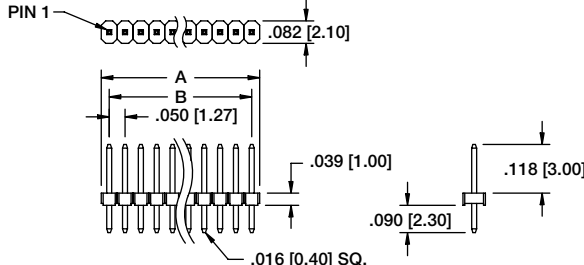

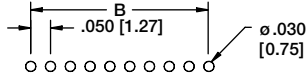
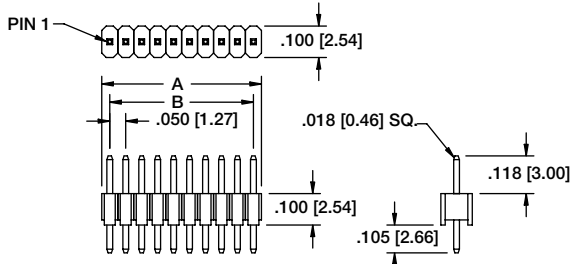
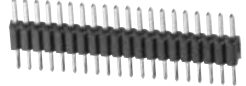
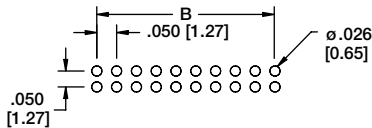
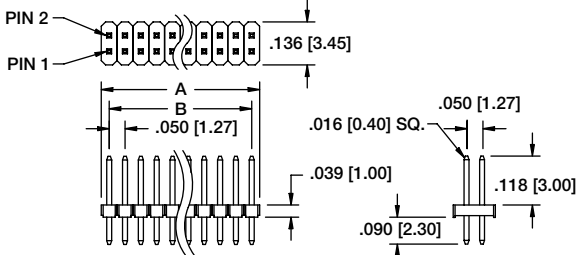

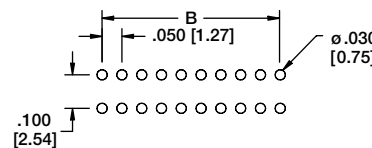
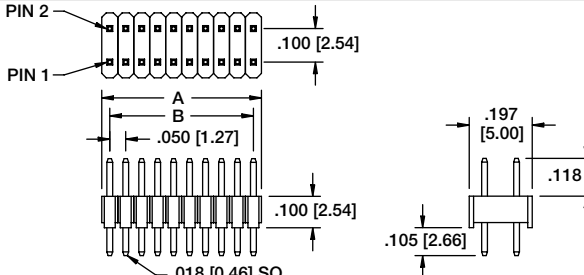

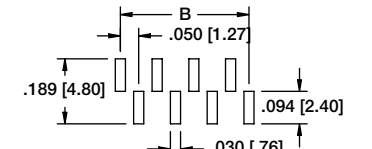
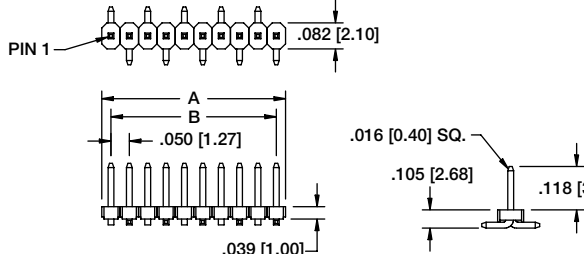

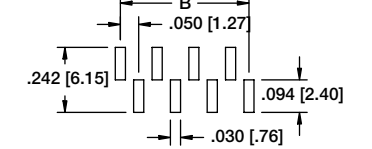
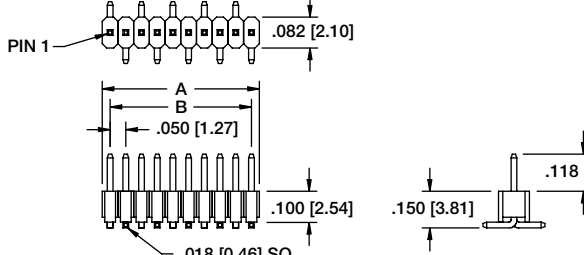



ORDERING INFORMATION



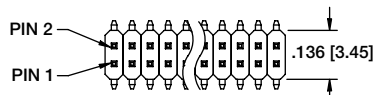
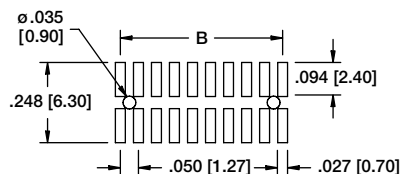
ORDERING INFORMATION



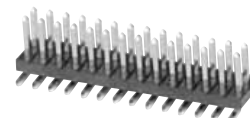
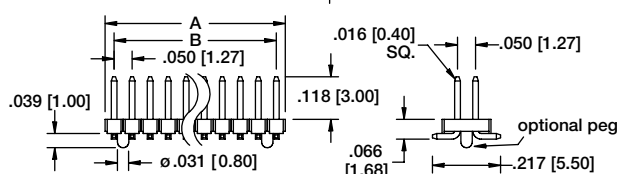
<p>A = .050 [1.27] X No. of Positions B = .050 [1.27] X No. of Spaces</p> <p>Recommended PCB Layout</p> 		<p>HPH1-A SINGLE ROW STRAIGHT WITH 1.00mm INSULATOR</p>  <p>HPH1-A-20-UA</p>
<p>A = .050 [1.27] X No. of Positions B = .050 [1.27] X No. of Spaces</p> <p>Recommended PCB Layout</p> 		<p>HPH1-B SINGLE ROW STRAIGHT WITH .100" INSULATOR</p>  <p>HPH1-B-20-UA</p>
<p>A = .050 [1.27] X No. of Positions per row B = .050 [1.27] X No. of Spaces</p> <p>Recommended PCB Layout</p> 		<p>HPH2-A DUAL ROW STRAIGHT WITH 1.00mm INSULATOR</p>  <p>HPH2-A-40-UA</p>
<p>A = .050 [1.27] X No. of Positions per row B = .050 [1.27] X No. of Spaces</p> <p>Recommended PCB Layout</p> 		<p>HPH2-B DUAL ROW STRAIGHT WITH .100" INSULATOR</p>  <p>HPH2-B-40-UA</p>
<p>A = .050 [1.27] X No. of Positions B = .050 [1.27] X No. of Spaces</p> <p>Recommended PCB Layout</p> 		<p>HPH1-A (SMT) SINGLE ROW STRAIGHT SMT WITH 1.00mm INSULATOR</p>  <p>HPH1-A-20-UA-SMT</p>
<p>A = .050 [1.27] X No. of Positions B = .050 [1.27] X No. of Spaces</p> <p>Recommended PCB Layout</p> 		<p>HPH1-B (SMT) SINGLE ROW STRAIGHT SMT WITH .100" INSULATOR</p>  <p>HPH1-B-20-UA-SMT</p>

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

Recommended PCB Layout



HPH2-A (SMT)

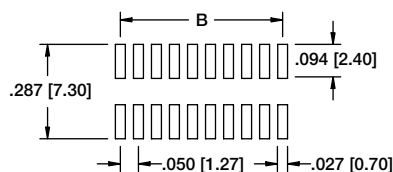


HPH2-A-40-UA-SMT

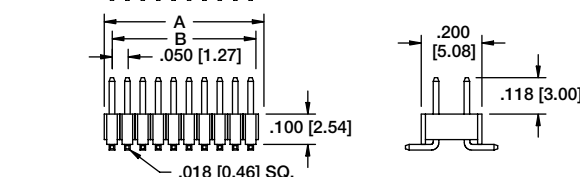
Dwg. shown with optional peg

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

Recommended PCB Layout



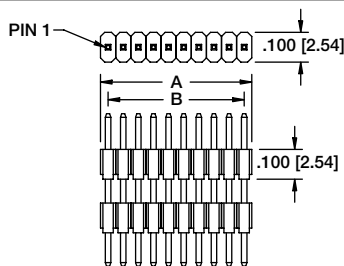
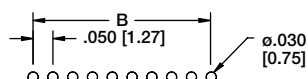
HPH2-B (SMT)



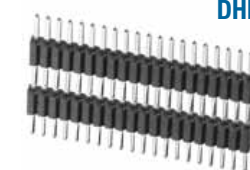
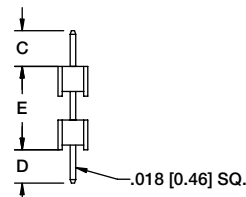
HPH2-B-40-UA-SMT

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

Recommended PCB Layout



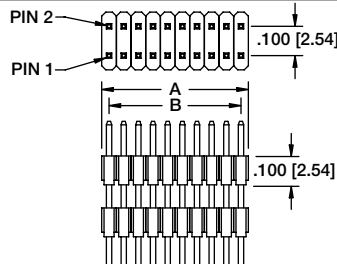
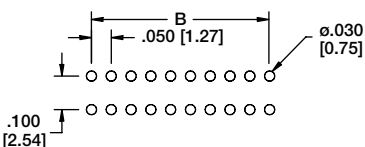
DHPH-1



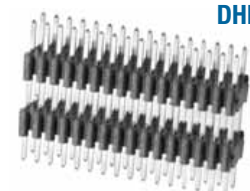
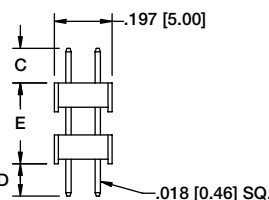
DHPH-1-20-U-.079/.079/.354

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

Recommended PCB Layout



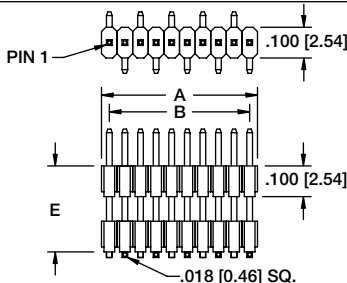
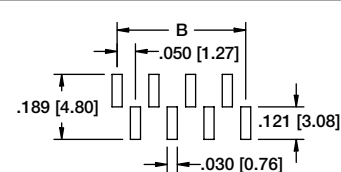
DHPH-2



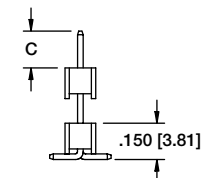
DHPH-2-32-U-.079/.079/.354

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

Recommended PCB Layout



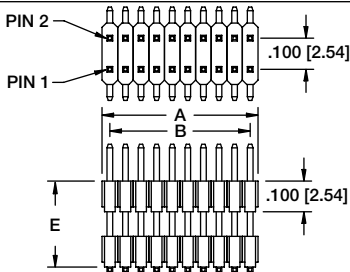
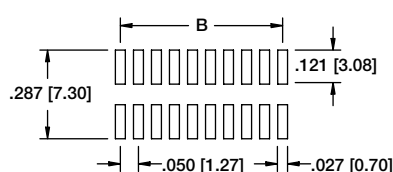
DHPH-1 (SMT)



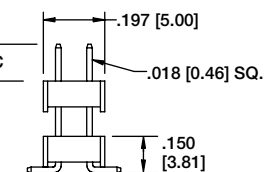
DHPH-1-10-U-.079/SMT-A/.354

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

Recommended PCB Layout

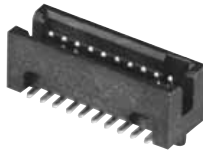


DHPH-2 (SMT)



DHPH-2-40-U-.079/SMT/.354

MALE HEADER



ORDERING INFORMATION

HSH

50

G

SERIES INDICATOR

HSH =
.050" Shrouded
Male header

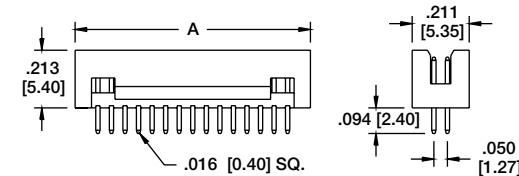
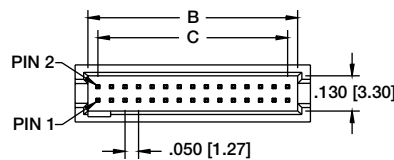
PLATING

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

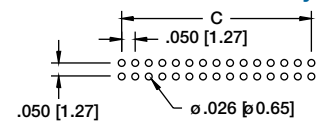
**TOTAL
POSITIONS**
10 thru 100

OPTIONS:

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



Recommended PCB Layout

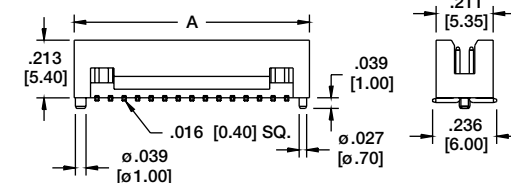
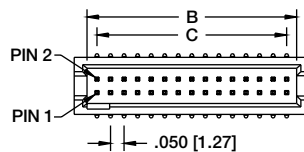


Standard: With key & without peg

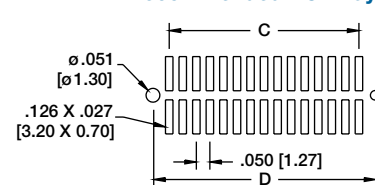
A = .050 X No. of Spaces + .168 [4.27]
B = .050 X No. of Spaces + .074 [1.87]
C = .050 X No. of Spaces

HSH SERIES

SHROUDED MALE HEADER



Recommended PCB Layout



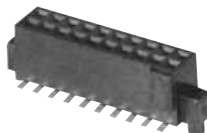
Standard: With key & with peg

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

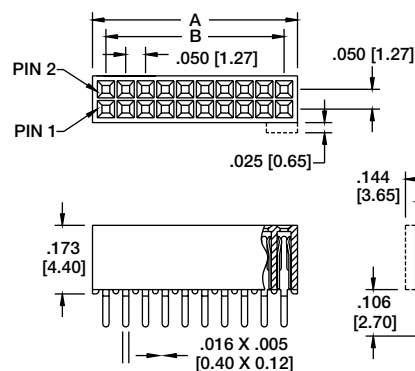
PLATING

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

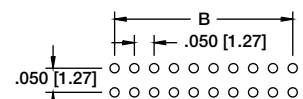
**TOTAL
POSITIONS**
10 thru 100

OPTIONS:

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



Recommended PCB Layout

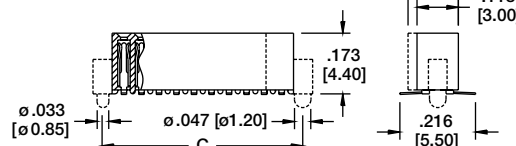
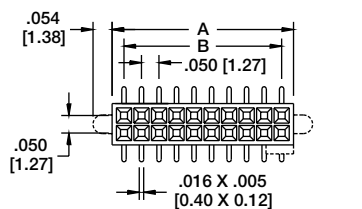


Standard: With key & without peg

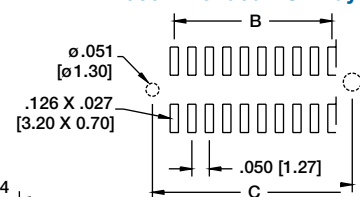
A = .050 X No. of Spaces + .068 [1.73]
B = .050 X No. of Spaces
C = .050 X No. of Spaces + .120 [3.05]

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

.050" BOX HEADERS

.050" X .050" & .050" X .100"

CENTERLINE
HBHR SERIES

HBHR SERIES

Adam Tech HBHR Series .050" Box Headers are fine pitched, dual row shrouded headers for use with dual row IDC female socket connectors. Our low profile, space saving design has a center slot for the socket's polarization bump. Adam Tech's Box Headers are available in Straight PCB Mount, Right Angle PCB Mount and SMT Mounting. Plating options include choice of Gold, Tin or Selective Gold. SMT versions are manufactured with a Hi-Temp insulator. Additional options include latches and custom pin lengths.

FEATURES:

- Shrouded, insulated connection
- Superior low profile design
- Slot for IDC socket Polarization bump
- Straight PCB, Right Angle PCB and SMT versions
- Gold, Tin or Selective Gold plating
- Options include Elevated types and integral latches
- Hi-Temp insulator available

MATING RECEPTACLES:

Mates with all industry standard .050" [1.27mm] pitch dual row IDC sockets

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:

G = Gold over nickel underplate overall
SG = Gold 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: 500V AC for 1 minute

Temperature Rating:

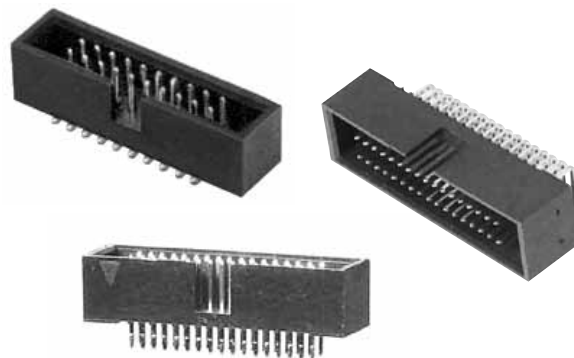
Operating temperature: -40°C to +105°C
Soldering process temperature: 260°C

PACKAGING:

Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

UL Recognized & CSA Certified, File no. E224053



ORDERING INFORMATION

HBHR-B	20	V	SG
SERIES INDICATOR HBHR-B = Box header .050" x .050" HBHR-A = Box header .050" x .100"	POSITIONS 10, 20, 30, 40, 50, 60, 70, 80, 90, 100	MOUNTING ORIENTATION V = Vertical mount H = Right angle mount	PLATING G = Gold plated SG = Selective gold plating in contact area, tin plated solder tails T = Tin plated

This series is available in an elevated version similar to our BHRE Series as shown on pgs. 322-323

OPTIONS:

Add designator(s) to end of part number

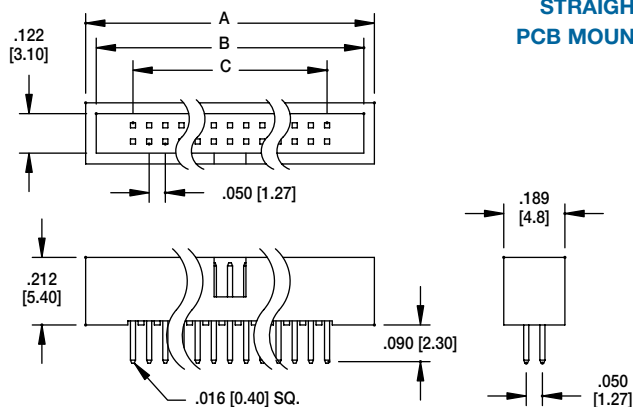
30 = 30 μin gold plating in contact area

SMT = Surface mount leads with Hi-Temp insulator for Hi-Temp soldering processes up to 260°C

HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only.)

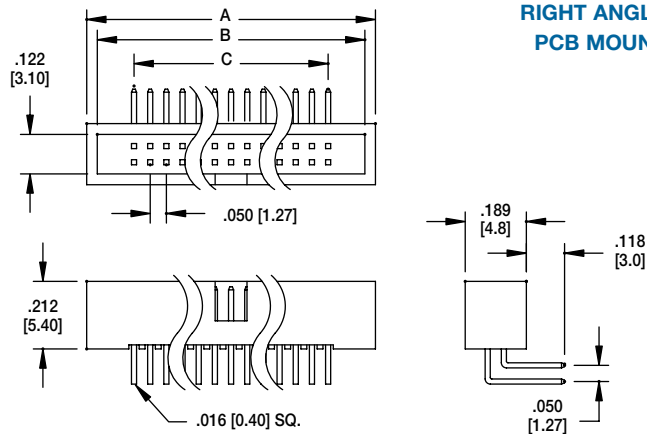
All SMT products are manufactured with Hi-Temp insulators

HBHR-B
.050" X .050"
STRAIGHT
PCB MOUNT



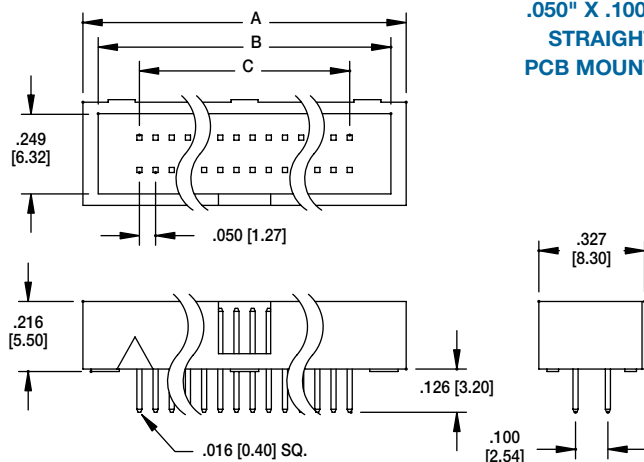
A = .050 [1.27] x No. of Spaces + .292 [7.43]
B = .050 [1.27] x No. of Spaces + .227 [5.77]
C = .050 [1.27] x No. of Spaces

HBHR-B
.050" X .050"
RIGHT ANGLE
PCB MOUNT



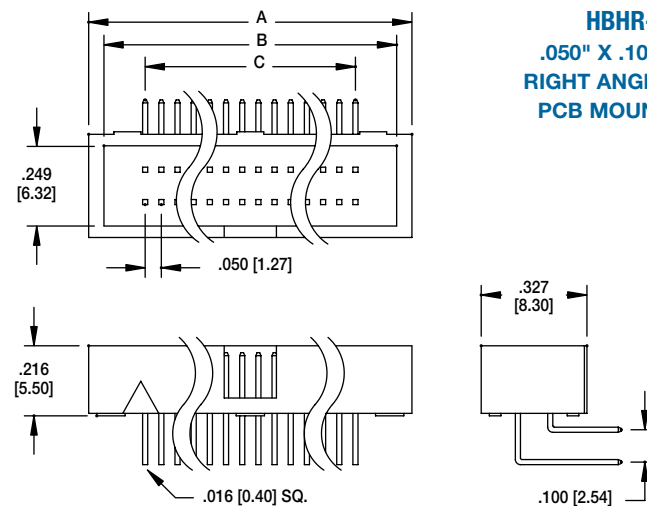
A = .050 [1.27] x No. of Spaces + .292 [7.43]
B = .050 [1.27] x No. of Spaces + .227 [5.77]
C = .050 [1.27] x No. of Spaces

HBHR-A
.050" X .100"
STRAIGHT
PCB MOUNT



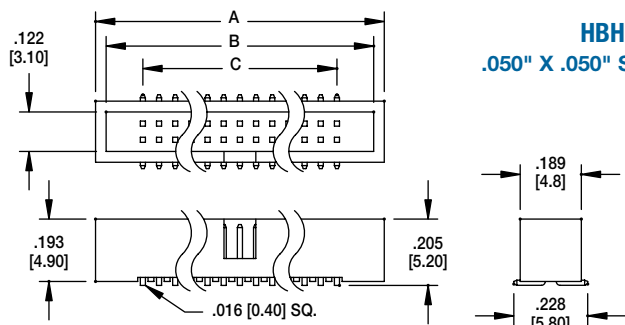
A = .050 [1.27] x No. of Spaces + .349 [8.87]
B = .050 [1.27] x No. of Spaces + .255 [6.47]
C = .050 [1.27] x No. of Spaces

HBHR-A
.050" X .100"
RIGHT ANGLE
PCB MOUNT



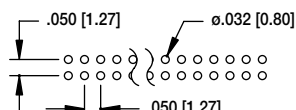
A = .050 [1.27] x No. of Spaces + .349 [8.87]
B = .050 [1.27] x No. of Spaces + .255 [6.47]
C = .050 [1.27] x No. of Spaces

HBHR-B
.050" X .050" SMT

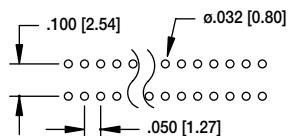


A = .050 [1.27] x No. of Spaces + .292 [7.43]
B = .050 [1.27] x No. of Spaces + .227 [5.77]
C = .050 [1.27] x No. of Spaces

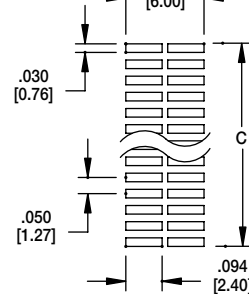
HBHR-B



HBHR-A



HBHR-A



SMT

Recommended PCB Layouts

.050" LATCH HEADERS

.050" X .050" & .050" X .100" CENTERLINE
HMHR SERIES

INTRODUCTION:

Adam Tech HMHR Series .050" Latch Headers are dual row, PCB mounted, shrouded headers with latches for use with dual row IDC female socket connectors. In addition to providing a shock and vibration proof connection the locking latches also act as ejectors to remove the mating socket. Our low profile, space saving design has a center slot for the socket's polarization bump. Adam Tech's Latch Headers are available in Straight PCB Mount, Right Angle PCB and SMT Mounting. Plating options include choice of Gold, Tin or Selective Gold

FEATURES:

Integral Latches provide Shock and Vibration Proof connection
Slot for IDC socket Polarization bump
Straight PCB, Right Angle PCB and SMT versions
Gold, Tin or Selective Gold plating
Elevated option available
Hi-Temp insulator available

MATING SOCKETS:

.050" X .050" & .050" X .100" Dual row IDC sockets

SPECIFICATIONS:

Material:

Insulator: PBT, glass reinforced, rated UL94V-0
Insulator Color: Black (Gray optional)
Contacts: Brass

Plating:

U = Gold over nickel underplate overall
SG = Gold over nickel 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: 500V AC for 1 minute

Mechanical:

Mating durability: 500 Cycles min.

Temperature Rating:

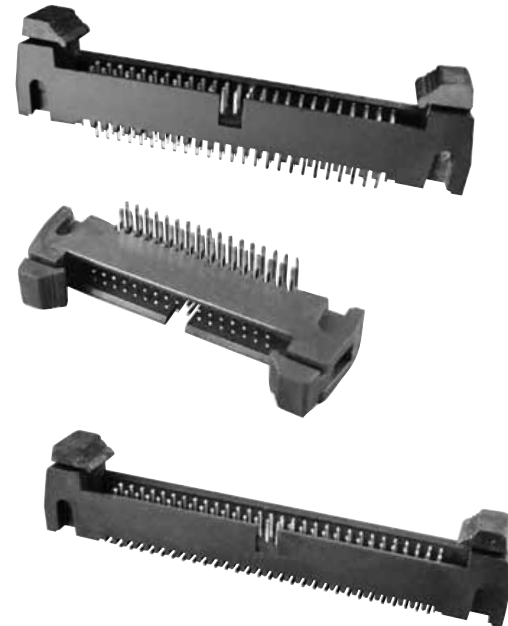
Operating temperature: -55°C to +105°C

PACKAGING:

Anti-ESD plastic trays

SAFETY AGENCY APPROVALS:

UL Recognized & CSA Certified, File no. E224053



ORDERING INFORMATION

HMHR	26	V	U	A	L
SERIES INDICATOR HMHR = .050" x .100" 2 row PCB HMHR-A = .050" x .050" 2 row PCB HMHR-B = .050" x .100" 4 row PCB	POSITIONS 10, 16, 20, 26, 30, 32, 34, 40, 44, 50, 52, 60, 64, 68, 70, 80, 100	MOUNTING ANGLE V = Straight Mount H = Right Angle Mount	PIN LENGTHS A = Standard length solder tail B = Special length, customer specified	CONTACT PLATING U = Gold plated SG = Gold plating in contact area, Tin plated solder tails T = Tin plated	LATCHING FEATURES S = Short latches (for sockets w/o strain relief) L = Long latches (for sockets w/strain relief) N = No latches

OPTIONS:

Add designator(s) to end of part number

SMT = Surface mount leads Dual row with Hi-Temp insulator

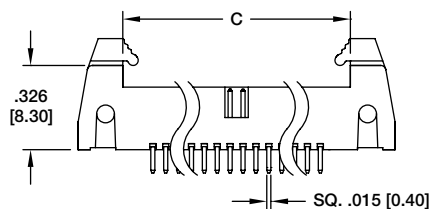
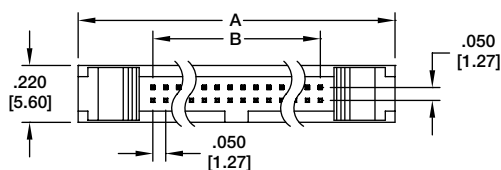
HT = High-temp insulator for high-temp soldering processes



HMHR-A

.050" X .050"

STRAIGHT PCB MOUNT



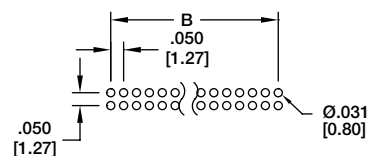
A = .050 [1.27] X No. of Spaces + .233 [5.92]

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

C = .050 [1.27] X No. of Spaces + .621 [15.77]



HMHR-A-50-VUAS

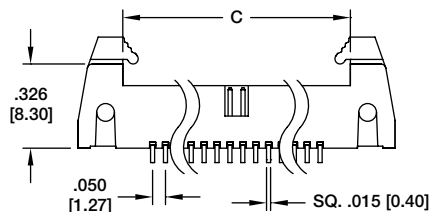
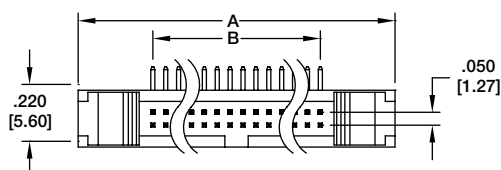


Recommended PCB Layout

HMHR-A

.050" X .050"

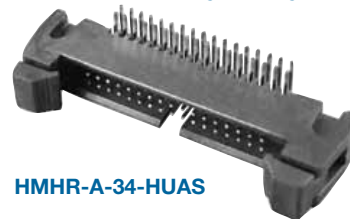
RIGHT ANGLE PCB MOUNT



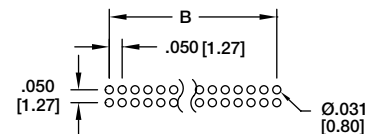
A = .050 [1.27] X No. of Spaces + .233 [5.92]

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

C = .050 [1.27] X No. of Spaces + .621 [15.77]



HMHR-A-34-HUAS

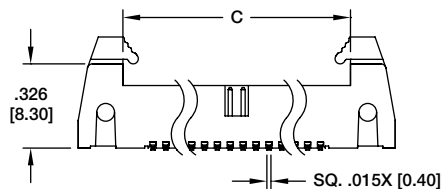
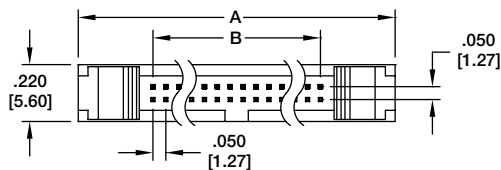


Recommended PCB Layout

HMHR-A

.050" X .050"

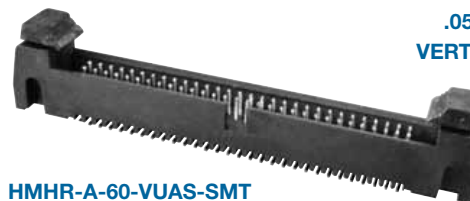
VERTICAL SMT



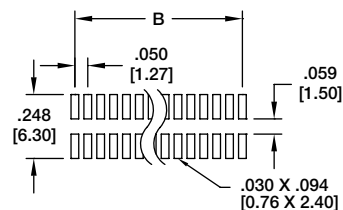
A = .050 [1.27] X No. of Spaces + .233 [5.92]

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

C = .050 [1.27] X No. of Spaces + .621 [15.77]

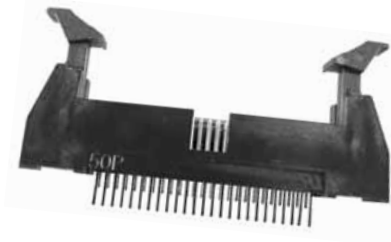
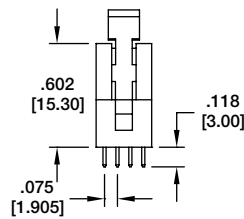
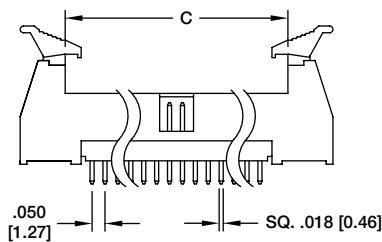
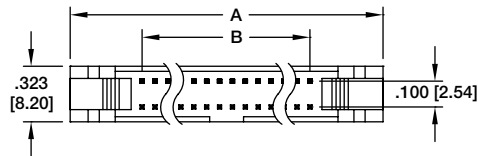


HMHR-A-60-VUAS-SMT



Recommended PCB Layout

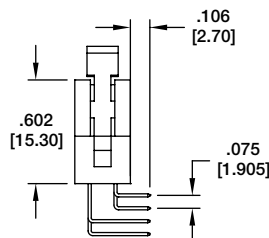
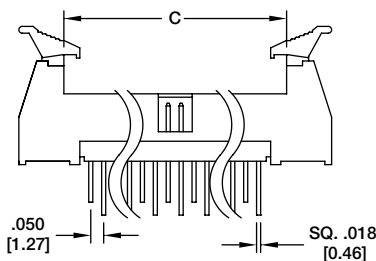
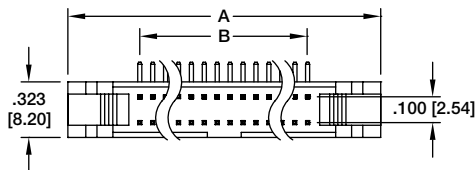
HMHR-B .050" X .100" STRAIGHT PCB MOUNT



HMHR-B-50-VUAL

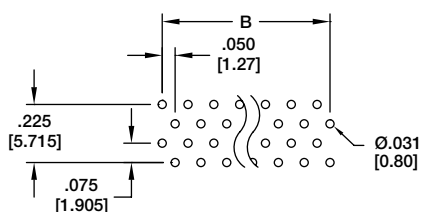
$$\begin{aligned} A &= .050 [1.27] \times \text{No. of Spaces} + .306 [7.78] \\ B &= .050 [1.27] \times \text{No. of Spaces} \\ C &= .050 [1.27] \times \text{No. of Spaces} + .829 [21.07] \end{aligned}$$

HMHR-B .050" X .100" 4 ROW RIGHT ANGLE PCB MOUNT



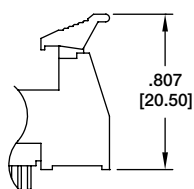
HMHR-B-60-HUAL

$$\begin{aligned} A &= .050 [1.27] \times \text{No. of Spaces} + .306 [7.78] \\ B &= .050 [1.27] \times \text{No. of Spaces} \\ C &= .050 [1.27] \times \text{No. of Spaces} + .829 [21.07] \end{aligned}$$

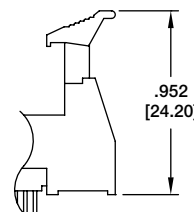


Recommended PCB Layout

Latch Options

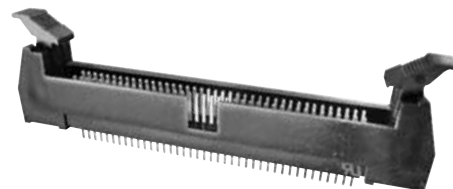
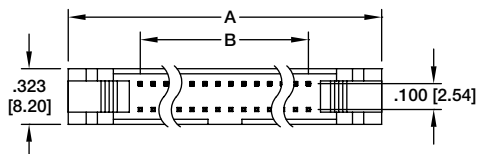


Header with
Short Ejector/Latch
for Sockets without
Strain Reliefs

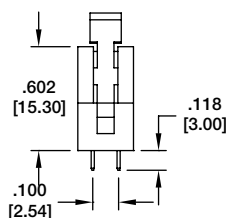
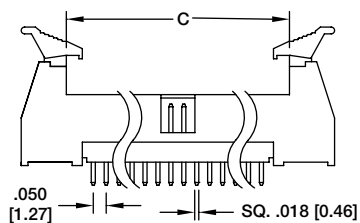


Header with
Long Ejector/Latch
for Sockets with
Strain Reliefs

HMHR .050" X .100" STRAIGHT PCB MOUNT

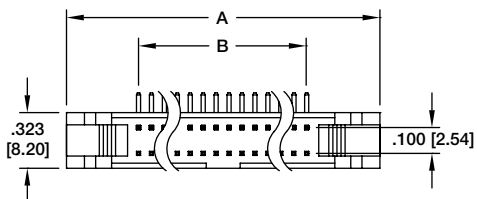


HMHR-80-VUAS

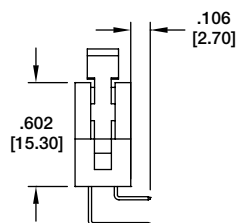
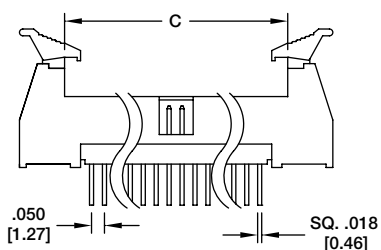


A = .050 [1.27] X No. of Spaces + .306 [7.78]
B = .050 [1.27] X No. of Spaces
C = .050 [1.27] X No. of Spaces + .829 [21.07]

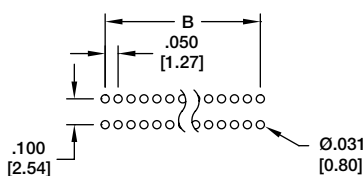
HMHR .050" X .100" RIGHT ANGLE PCB MOUNT



HMHR-50-HUAL

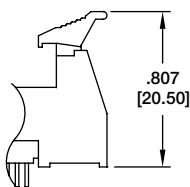


A = .050 [1.27] X No. of Spaces + .306 [7.78]
B = .050 [1.27] X No. of Spaces
C = .050 [1.27] X No. of Spaces + .829 [21.07]

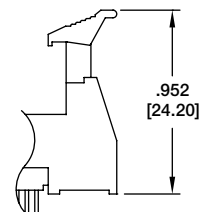


Recommended PCB Layout

Latch Options



Header with
Short Ejector/Latch
for Sockets without
Strain Reliefs



Header with
Long Ejector/Latch
for Sockets with
Strain Reliefs

INTRODUCTION:

Adam Tech HRS Series .050" Receptacle Strips are offered in a multitude of sizes and profiles designed to satisfy most .050" socket requirements. Available in Single and Dual rows they are offered in Straight, Right Angle, SMT, Bottom Entry and Pass Through PCB mounting styles. Each type has a specially designed contact system which produces a high normal force connection and is available with gold, tin or selective gold plating. All are available with standard or Hi-Temp thermoplastic insulators. Our SMT offering is available with optional pick and place pads and tape & reel packaging.

FEATURES:

Broad range of sizes and profiles
Contact systems with high normal force
Choice of contact plating
SMT pick & place option
Optional Tape & reel packaging

MATING CONNECTORS:

Adam Tech HPH headers and all industry standard .050" pitch pin headers with .016" [0.4mm] square pins

SPECIFICATIONS:

Material:

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

Contact Plating:

G = Gold over nickel underplate overall
SG = Gold 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:

Insertion force: 0.375 lbs per contact max.
Withdrawal force: 0.125 lbs per contact min.

Temperature rating:

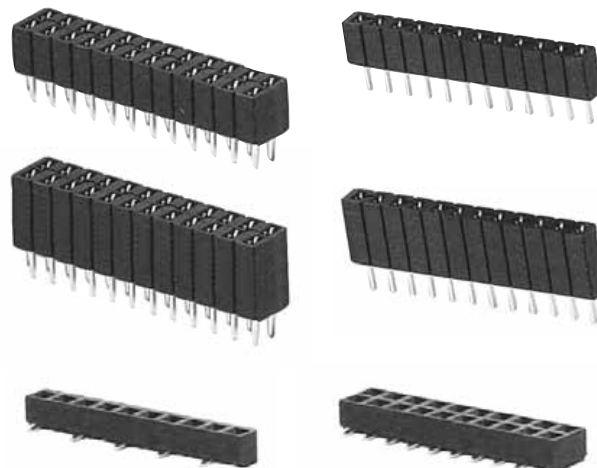
Operating temperature: -40°C to +105°C

PACKAGING:

Anti-ESD trays or tubes
(Tape and Reel optional for SMT option)

SAFETY AGENCY APPROVALS:

UL Recognized & CSA Certified, File no. E224053



ORDERING INFORMATION

HRS	1A	50	G	A
-----	----	----	---	---

SERIES INDICATOR
HRS = .050" Receptacle Strip

NO. OF ROWS / PROFILE

1A = Single Row, Standard Profile
1B = Single Row, Low Profile
1C = Single Row, .085" Height
2A = Dual Row, Standard Profile .050"x.100"
2B = Dual Row, Low Profile .050"x.100"
2C = Dual Row, Low Profile .050"x.050" (SMT) or PCB
2F = Dual Row, Low Profile .050"x.100" (SMT)
1F = Single Row (SMT) .228" Height
1G = Single Row, .079" Height, Top Entry, (SMT)
2E = Dual Row, .134" Height .050"x.050" (SMT or PCB)
2F = Dual Row, .230" Height .050"x.100"
2G = Dual Row, .085" Height .050"x.050" (SMT)

SOLDER TAIL LENGTH

A = Standard solder tail for .062"-.125" PCB thickness
SMT = Surface mount leads (2C, 2E, 2F, 2G only)
SMT-A = Surface mount leads Type A (1F, 1G only)
SMT-B = Surface mount leads Type B (1F, 1G only)

CONTACT PLATING







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

NO. OF POSITIONS

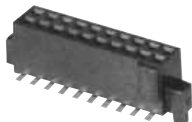
Single Row: 02 thru 40
Dual Row: 04 thru 80

OPTIONS:

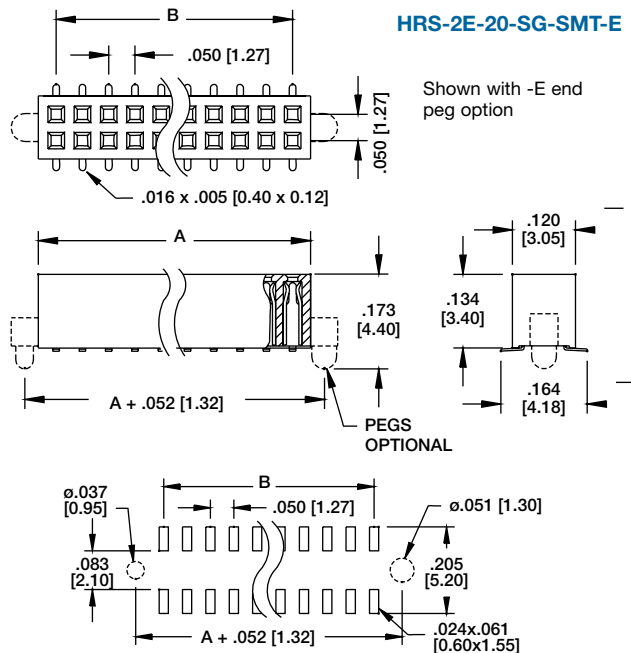
Add designator(s) to end of part number
30 = 30 μin gold plating in contact area
P = Guide Pegs
E = End Pegs
HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)

<p>HRS-1B</p>  <p>HRS-1B-12-GA</p>	<p>HRS-2B</p>  <p>HRS-2B-24-GA</p>
<p>HRS-1A</p>  <p>HRS-1A-12-GA</p>	<p>HRS-2A</p>  <p>HRS-2A-24-GA</p>
<p>HRS-1G-SMT TOP ENTRY</p>  <p>HRS-1G-10-SG-SMT-B</p>	<p>HRS-2G-SMT TOP ENTRY</p>  <p>HRS-2G-20-SG-SMT-P</p>

HRS-2E SMT W/ OPTIONAL PEG



HRS-2E-20-SG-SMT-E



Recommended PCB Layout

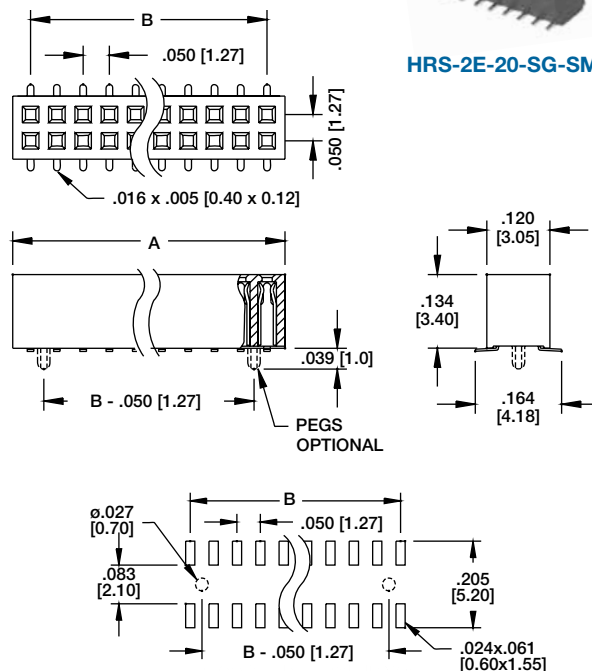
A = .050 [1.27] X No. of Positions per row + .018 [0.46]
B = .050 [1.27] X No. of Spaces

HRS-2E SMT

Ordering Information pg. 276



HRS-2E-20-SG-SMT



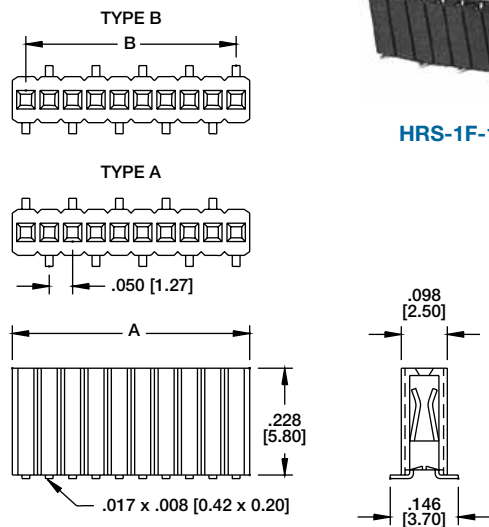
Recommended PCB Layout

A = .050 [1.27] X No. of Positions per row + .018 [0.46]
B = .050 [1.27] X No. of Spaces

HRS-1F-SMT



HRS-1F-12-SG-SMT-B

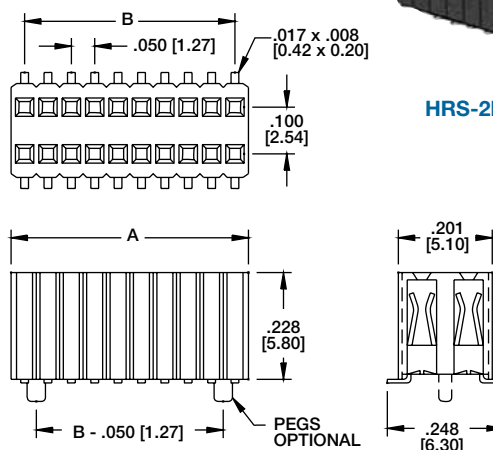


A = .050 [1.27] X No. of Positions + .008 [0.20]
B = .050 [1.27] X No. of Spaces

HRS-2F-SMT

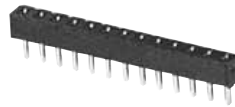


HRS-2F-24-SG-SMT

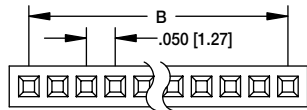


A = .050 [1.27] X No. of Positions per row + .008 [0.20]
B = .050 [1.27] X No. of Spaces

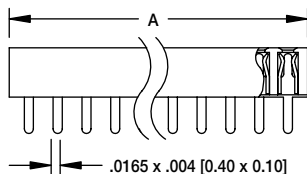
HRS-1C SINGLE ROW



HRS-1C-13-GA



A = .050 [1.27] X No. of Pos. + .018 [0.46]
B = .050 [1.27] X No. of Spaces

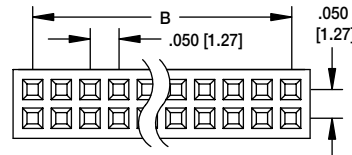


HRS-2C DUAL ROW

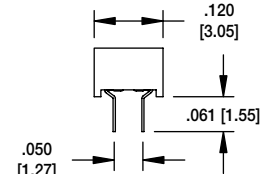
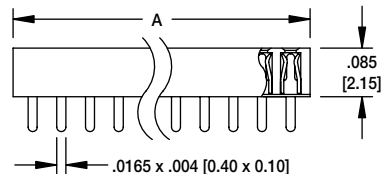
Ordering Information
pg. 294



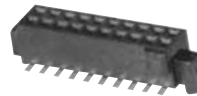
HRS-2C-26-GA



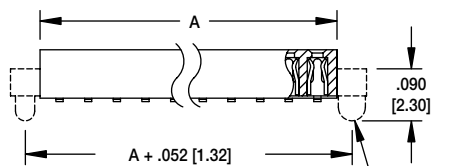
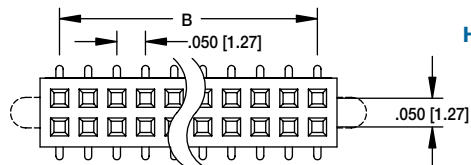
A = .050 [1.27] X No. of Pos. + .018 [0.46]
B = .050 [1.27] X No. of Spaces



HRS-2C-SMT DUAL ROW WITH END PEGS



HRS-2C-20-SG-SMT-E



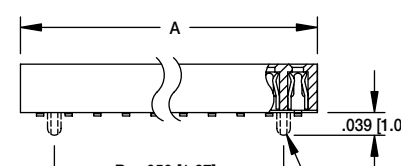
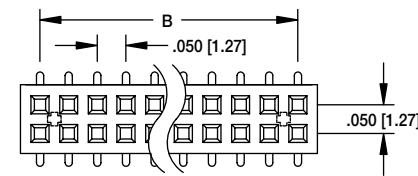
A = .050 [1.27] X No. of Pos. + .018 [0.46]
B = .050 [1.27] X No. of Spaces

PEGS
OPTIONAL

HRS-2C-SMT DUAL ROW WITH UNDERSIDE PEGS



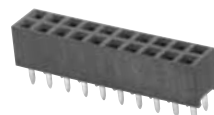
HRS-2C-20-SG-SMT



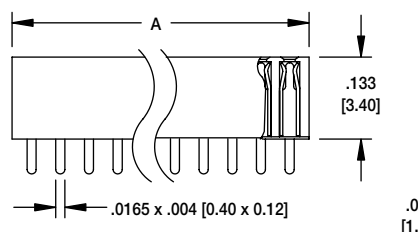
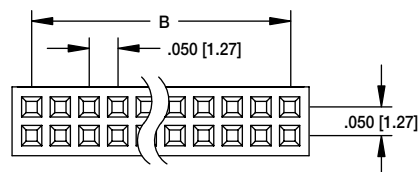
A = .050 [1.27] X No. of Pos. + .018 [0.46]
B = .050 [1.27] X No. of Spaces

Pegs
Optional

HRS-2E DUAL ROW

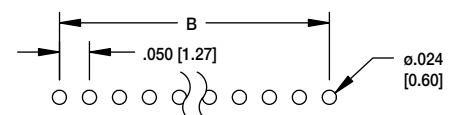


HRS-2E-20-GA

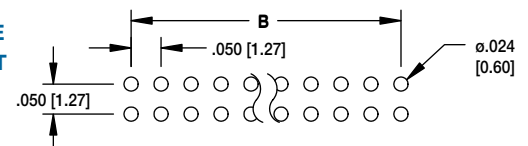


A = .050 [1.27] X No. of Pos. + .018 [0.46]
B = .050 [1.27] X No. of Spaces

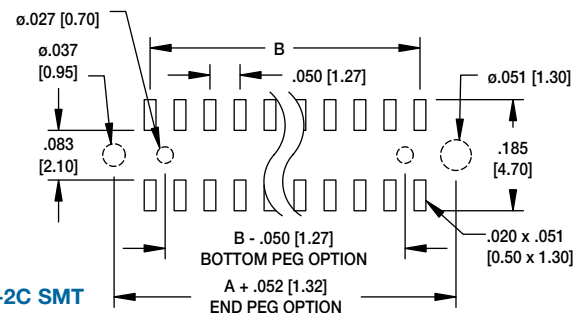
HRS-1C PCB LAYOUT



HRS-2C & 2E PCB LAYOUT



HRS-2C SMT PCB LAYOUT



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 over nickel underplate overall
SG = Gold 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



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			
			PIN LENGTH
			A = Standard length
			B = Special length, customer specified defined as: tail dim/total length
			PLATING
			U = Gold plated
			T = Tin plated
			SG = Selective gold plating in contact area, tin plating on solder tails
POSITIONS			
Single row: 1 thru 40			
Dual row: 2 thru 80			

ORDERING INFORMATION DUAL INSULATOR HEADERS

D2PH	1	40	SG	.xxx"/.xxx"/.xxx "C" DIM. "D" DIM. "E" DIM.
NO. OF ROWS				
1 = Single row				
2 = Dual row				
			PLATING	
			U = Gold plated	
			T = Tin plated	
			SG = 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	
POSITIONS				
Single row: 2 thru 40				
Dual row: 4 thru 80				

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

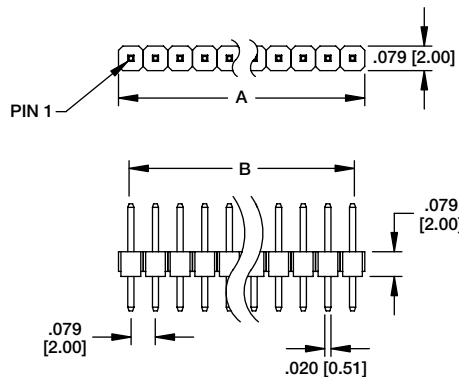
HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C

(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

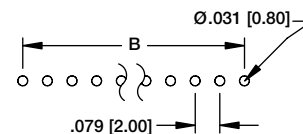


A = .079" [2.00] x No. of positions
B = .079" [2.00] x No. of spaces

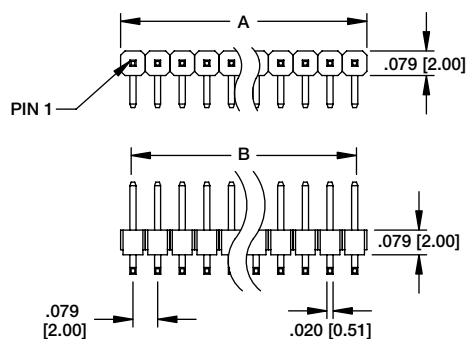


2PH1

2PH1-16-UA



Recommended PCB Layout

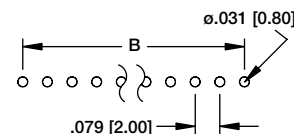


A = .079" [2.00] x No. of positions
B = .079" [2.00] x No. of spaces

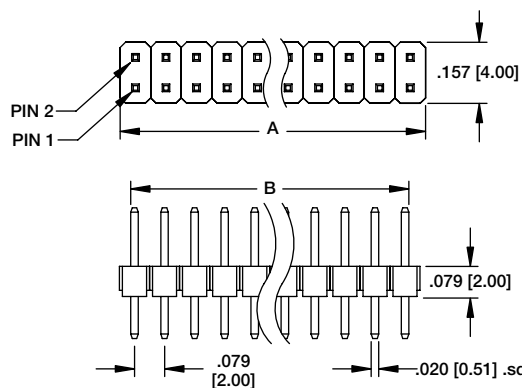


2PH1R

2PH1R-16-UA



Recommended PCB Layout

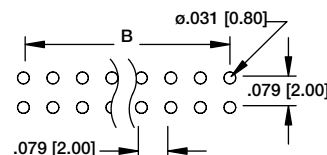


A = .079" [2.00] x No. of positions
B = .079" [2.00] x No. of spaces

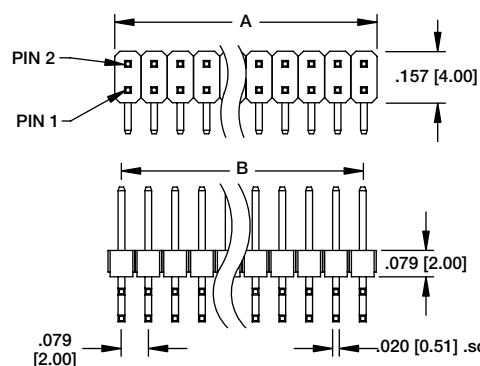


2PH2

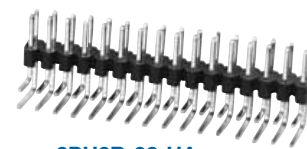
2PH2-32-UA



Recommended PCB Layout

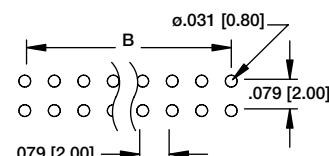


A = .079" [2.00] x No. of positions
B = .079" [2.00] x No. of spaces

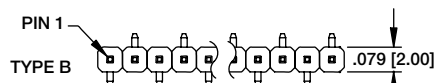


2PH2R

2PH2R-32-UA



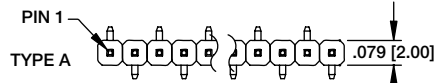
Recommended PCB Layout



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

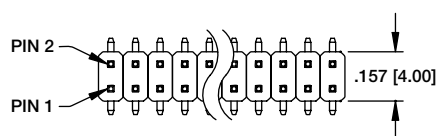
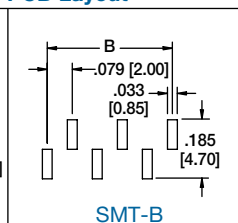
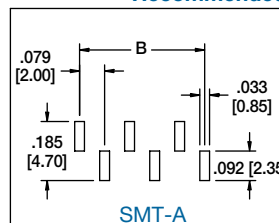
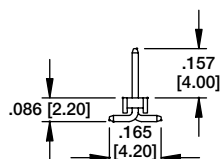
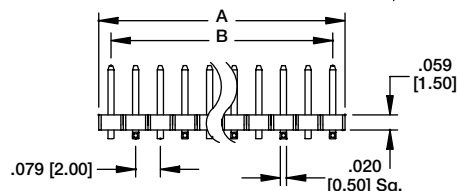


2PH1 (SMT)



2PH1-15-UA-SMT

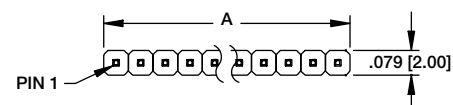
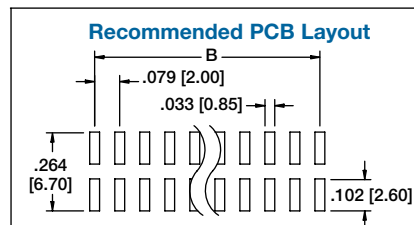
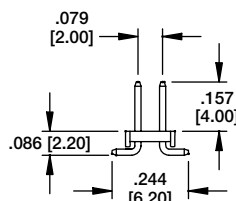
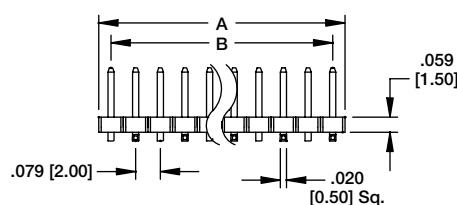
Recommended PCB Layout



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



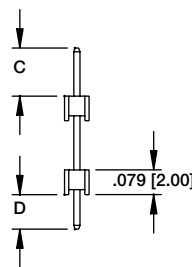
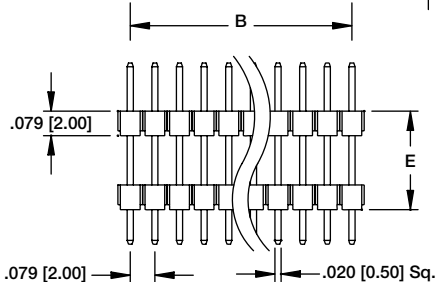
2PH2 (SMT)



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

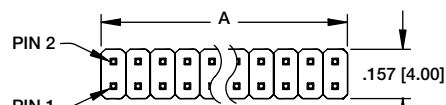
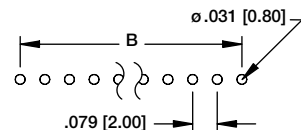


D2PH-1



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

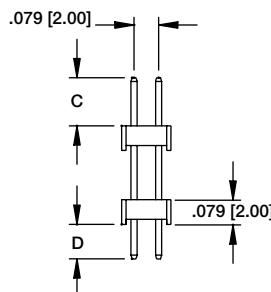
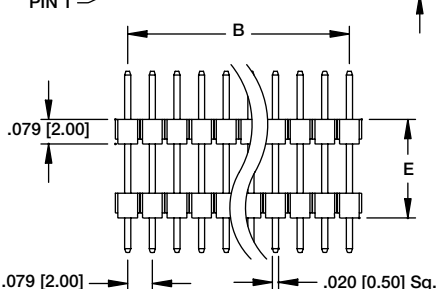
Recommended PCB Layout



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

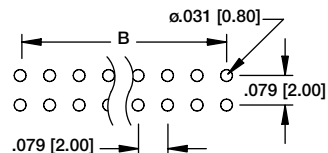


D2PH-2

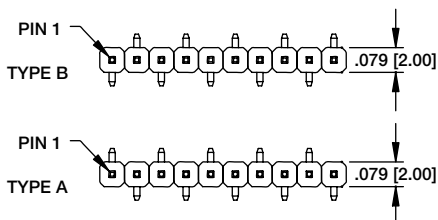


D2PH2-32-UA-.235 / .100 / .400

Recommended PCB Layout



D2PH-1 (SMT)

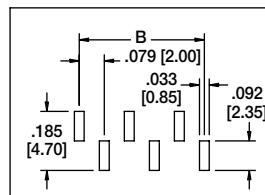
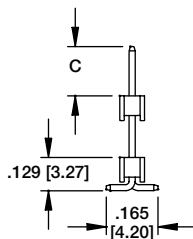
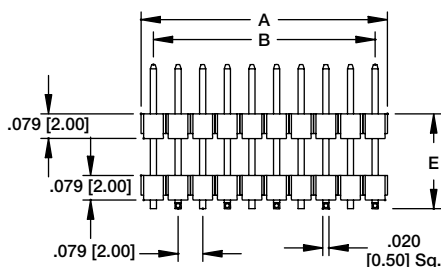


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B = .079" [2.00] x No. of spaces

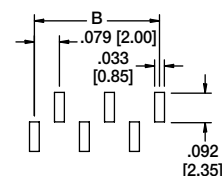


D2PH-1-12-U-.100/SMT/.240

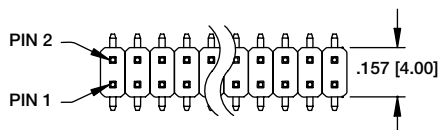
Recommended PCB Layouts



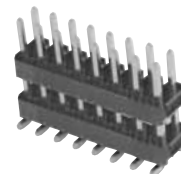
SMT-A



SMT-B

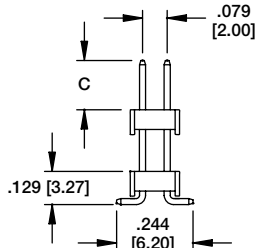
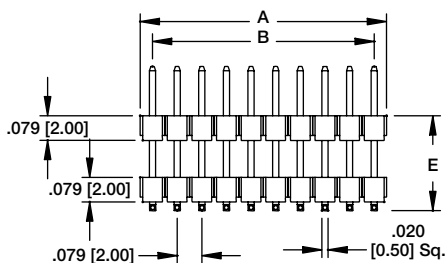


A = .079" [2.00] x No. of positions
B = .079" [2.00] x No. of spaces

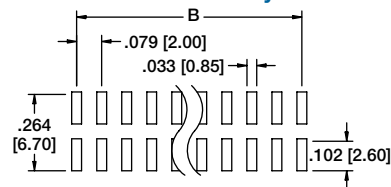


D2PH-2 (SMT)

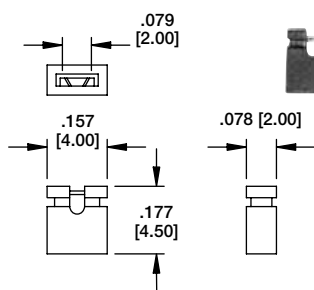
D2PH-2-16-U-.145/SMT/.360



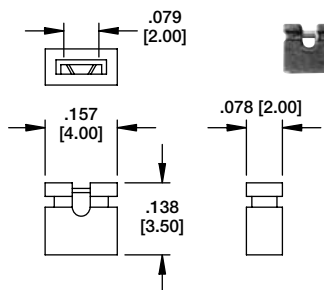
Recommended PCB Layouts



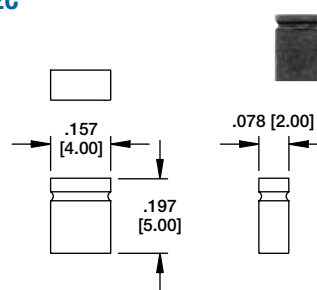
MS2A



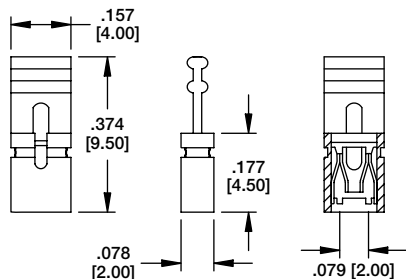
MS2B



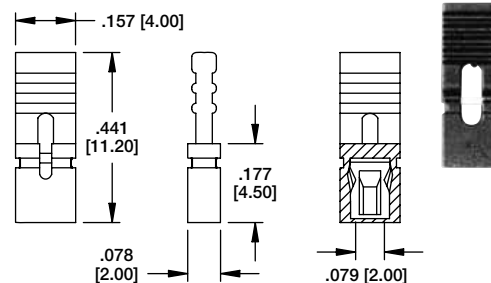
MS2C



MS2H-1 RIGID SHORT HANDLE



MS2H-2 FLEXIBLE LONG HANDLE



INTRODUCTION:

Adam Tech 2BHR Series 2.0mm Box Headers are dual row shrouded headers for use with dual row IDC female socket connectors. Our low profile, space saving design has a center slot for the socket's polarization bump. Adam Tech's Box Headers are available in Straight PCB Mount, Right Angle PCB Mount and SMT Mounting. Plating options include choice of Gold, Tin or Selective Gold. SMT versions are manufactured with a Hi-Temp insulator. Additional options include latches and custom pin lengths.

FEATURES:

Shrouded, insulated connection
Superior low profile design
Slot for IDC socket Polarization bump
Straight PCB, Right Angle PCB and SMT versions
Gold, Tin or Selective Gold plating
Options include Elevated types and integral latches
Hi-Temp insulator available

MATING SOCKETS:

Adam Tech .079" [2.0mm] X .079" [2.0mm] dual row IDC sockets

SPECIFICATIONS:

Material:

Standard insulator: PBT, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Brass

Plating:

U = Gold over nickel underplate
SG = Gold 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:

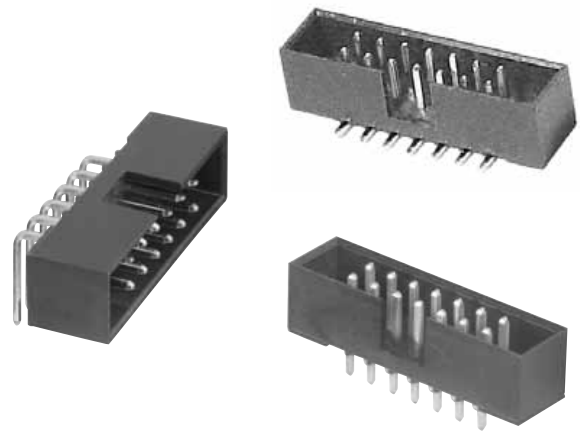
Operating temperature: -40°C to +105°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PACKAGING:

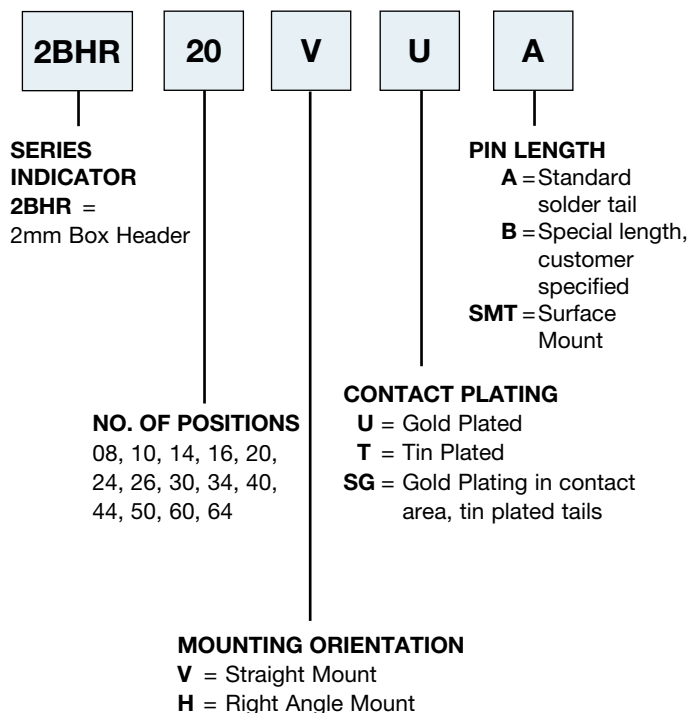
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

UL Recognized & CSA Certified,
File no. E224053



ORDERING INFORMATION



This series is available in an elevated version similar to our BHRE Series as shown on pgs. 322-323

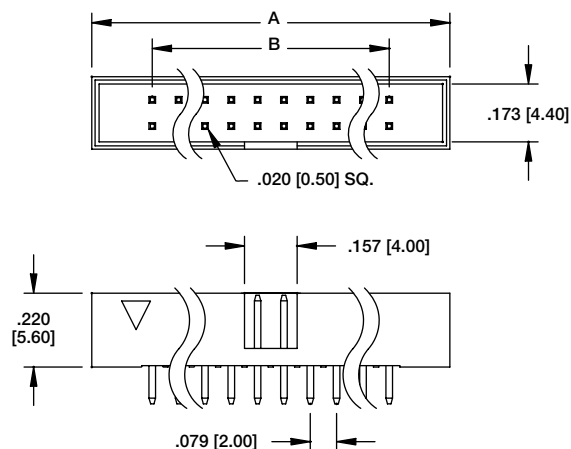
OPTIONS:

Add designator(s) to end of part number

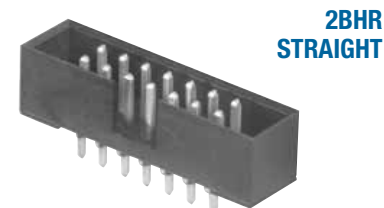
30 = 30 μin gold plating in contact area

GY = Gray color insulator

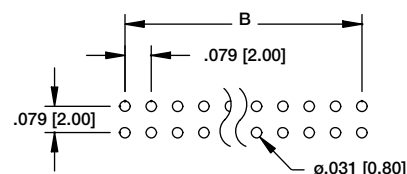
HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only. All SMT products are manufactured with Hi-Temp insulators)



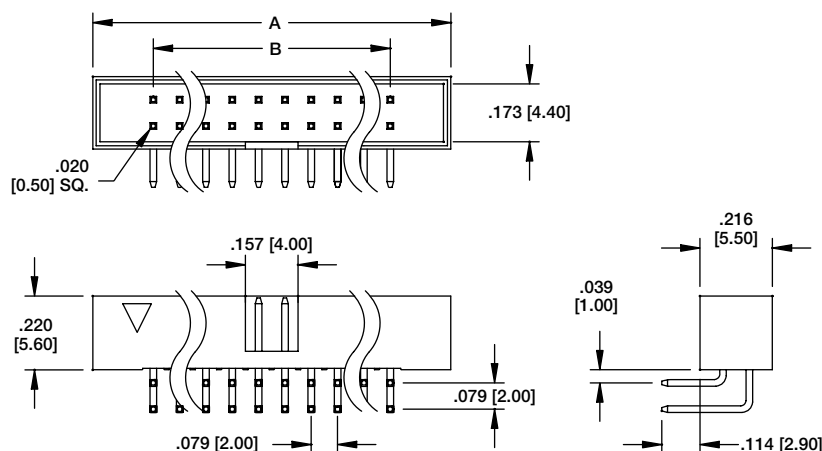
A = .079 [2.00] X No. of Spaces + .362 [9.20]
B = .079 [2.00] X No. of Spaces



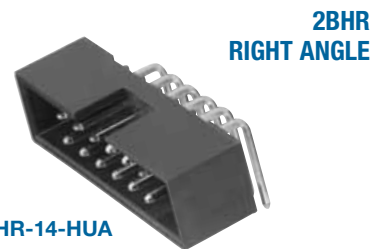
2BHR-14-VUA



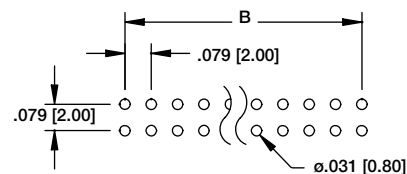
Recommended
PCB Layout



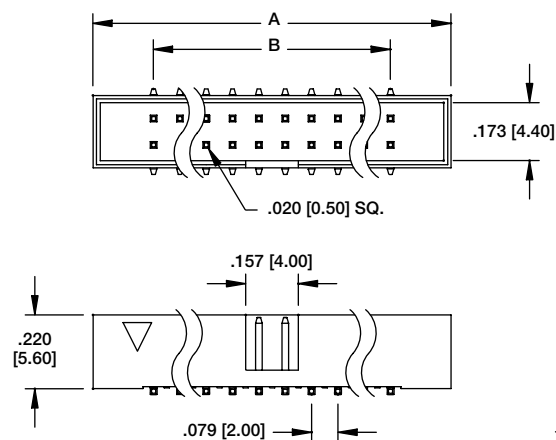
A = .079 [2.00] X No. of Spaces + .362 [9.20]
B = .079 [2.00] X No. of Spaces



2BHR-14-HUA



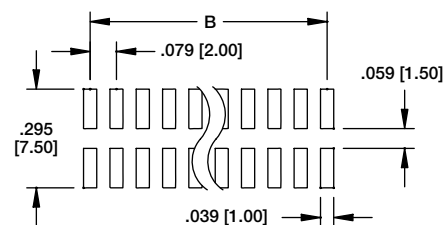
Recommended
PCB Layout



A = .079 [2.00] X No. of Spaces + .362 [9.20]
B = .079 [2.00] X No. of Spaces



2BHR-14-VUA-SMT



Recommended
PCB Layout

INTRODUCTION:

Adam Tech 2MHR Series 2mm Latch Headers are dual row, PCB mounted, shrouded headers with latches for use with dual row IDC female socket connectors. In addition to providing a shock and vibration proof connection the locking latches also act as ejectors to remove the mating socket. Our low profile, space saving design has a center slot for the socket's polarization bump. Adam Tech's Latch Headers are available in Straight PCB Mount, Right Angle PCB and SMT Mounting. Plating options include choice of Gold, Tin or Selective Gold

FEATURES:

Integral Latches provide Shock and Vibration Proof connection
Slot for IDC socket Polarization bump
Straight PCB, Right Angle PCB and SMT versions
Gold, Tin or Selective Gold plating
Elevated option available
Hi-Temp insulator available

MATING SOCKETS:

2mm X 2mm Dual row IDC sockets

SPECIFICATIONS:

Material:

Insulator: PBT, glass reinforced, rated UL94V-0
Insulator Color: Black (Gray optional)
Contacts: Brass

Plating:

U = Gold over nickel underplate overall
SG = Gold over nickel 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

PACKAGING:

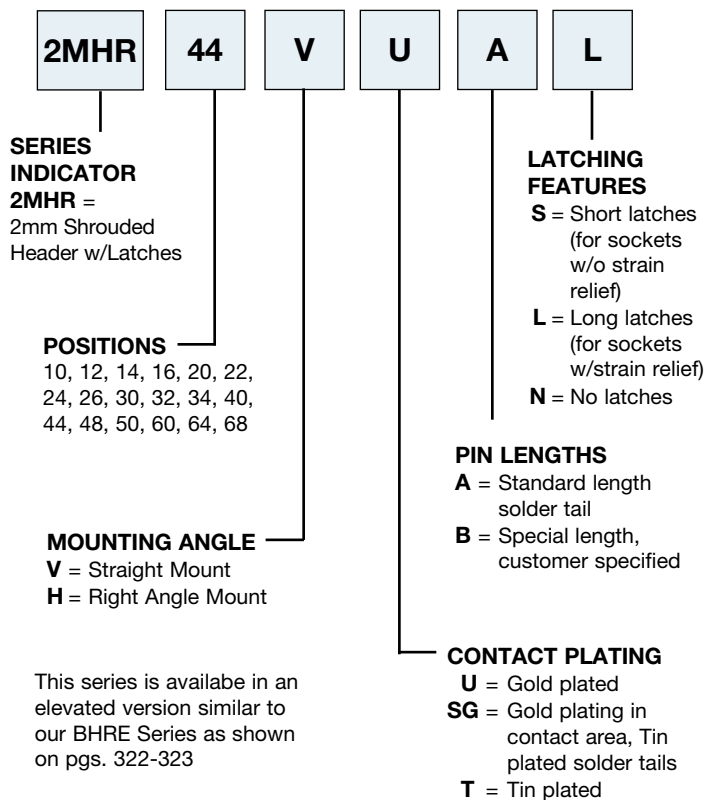
Anti-ESD plastic trays

SAFETY AGENCY APPROVALS:

UL Recognized & CSA Certified, File no. E224053

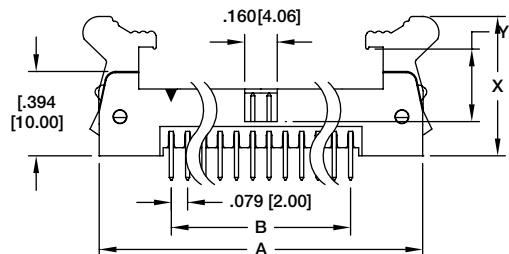
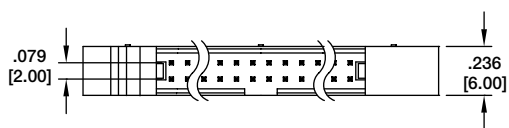


ORDERING INFORMATION



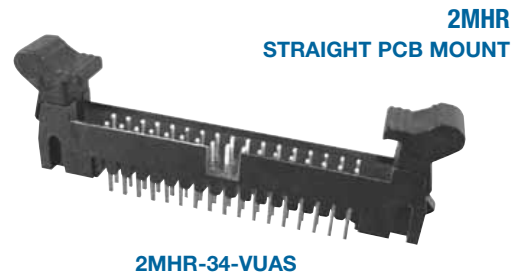
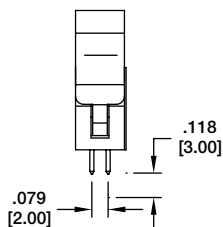
OPTIONS:

Add designator(s) to end of part number
HT = High-temp insulator for high-temp soldering processes

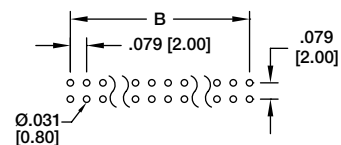


LATCH DIMENSIONS		
	X	Y
LONG LATCH	.775 [19.70]	.452 [11.50]
SHORT LATCH	.665 [16.90]	.342 [8.70]

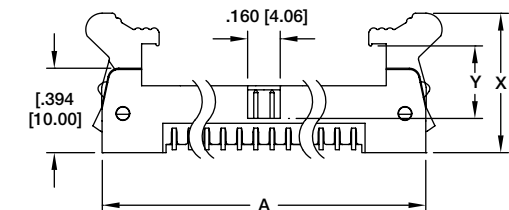
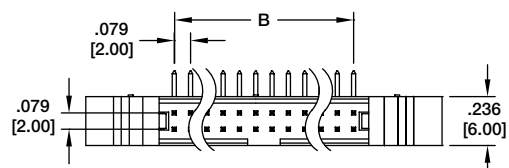
A = .079 [2.00] X No. of Spaces + .697 [17.70]
B = .079 [2.00] X No. of Spaces



2MHR-34-VUAS

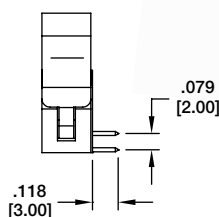


Recommended PCB Layout

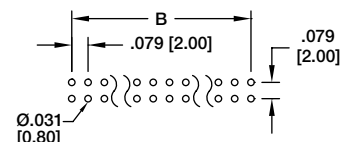


LATCH DIMENSIONS		
	X	Y
LONG LATCH	.775 [19.70]	.452 [11.50]
SHORT LATCH	.665 [16.90]	.342 [8.70]

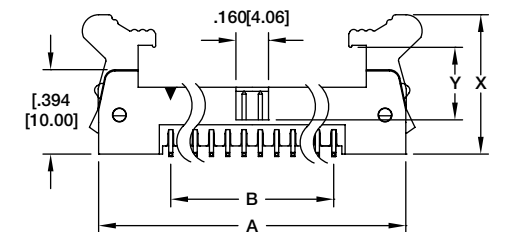
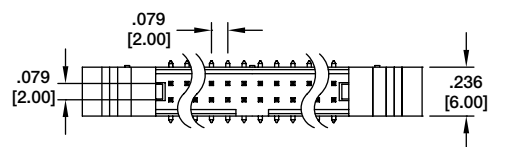
A = .079 [2.00] X No. of Spaces + .697 [17.70]
B = .079 [2.00] X No. of Spaces



2MHR-60-HUAS

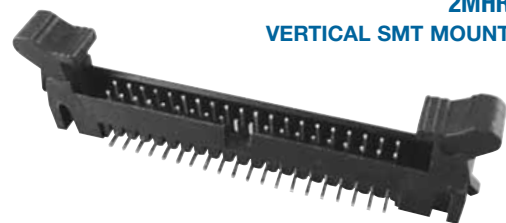
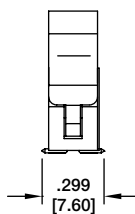


Recommended PCB Layout

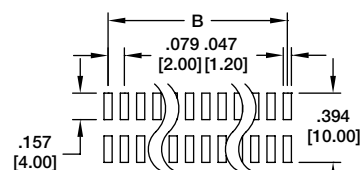


LATCH DIMENSIONS		
	X	Y
LONG LATCH	.775 [19.70]	.452 [11.50]
SHORT LATCH	.665 [16.90]	.342 [8.70]

A = .079 [2.00] X No. of Spaces + .697 [17.70]
B = .079 [2.00] X No. of Spaces



2MHR-40-HUAS



Recommended PCB Layout

INTRODUCTION:

Adam Tech 2RS Series 2.00mm Receptacle Strips are offered in several sizes and profiles designed to satisfy most 2.00mm socket requirements. Available in Single and Dual rows, they are offered in Straight, Right Angle, SMT, Bottom Entry and Pass Through PCB mounting styles. Each type has a specially designed contact system which uses a wiping mating action and produces a high normal force connection with gold, tin or selective gold plating. All are available with Standard or Hi-Temp Thermoplastic insulators. Our SMT offering is available with optional pick and place pads and tape & reel packaging.

FEATURES:

Single and dual row in straight, right angle and SMT mounting forms
Top, side and bottom entry versions
Plated full gold, full tin or duplex plated
Five different body heights
Standard PBT insulator or optional Hi Temp insulator
Tape and reel packaging available

MATING CONNECTORS:

Adam Tech 2PH headers and all industry standard 2.0mm pin headers with a .020" [0.5mm] square pin.

SPECIFICATIONS:

Material:

Insulator: PBT, glass reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze

Contact Plating:

G = Gold over nickel underplate overall
SG = Gold 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:

Insertion force: 0.313 lbs per contact max.
Withdrawal force: 0.175 lbs per contact min.

Temperature Rating:

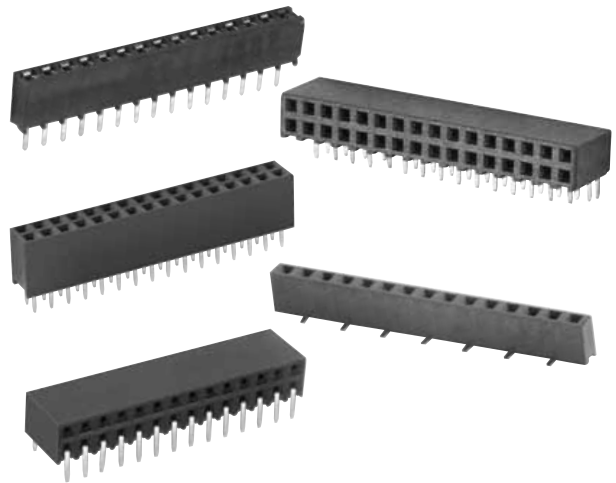
Operating temperature: -40°C to +105°C

PACKAGING:

Anti-ESD plastic trays
(Tape and Reel optional for SMT option)

SAFETY AGENCY APPROVALS:

UL Recognized & CSA Certified,
File no. E224053



ORDERING INFORMATION

2RS1

40

G

SERIES INDICATOR

2RS1 = 2.00mm Single Row, Vertical Mount, Receptacle
2RS2 = 2.00mm Dual Row, Vertical Mount, Receptacle
2RS1R = 2.00mm Single Row, Right Angle, Receptacle
2RS2R = 2.00mm Dual Row, Right Angle, Receptacle
2RS4 = 2.00mm 4 Row, Vertical Mount, Receptacle
2RS2BR = 2.00mm Dual Row, Right Angle, 3-Sided Contact Receptacle
2RS1H = 2.00mm Single Row, Vertical Mount, .248" Height Receptacle
2RS2H = 2.00mm Dual Row, Vertical Mount, .248" Height Receptacle
2RS2T = 2.00 mm Dual Row, Surface Mount, .106" Height, Top Entry Receptacle
2RS2B = 2.00mm Dual Row, Surface Mount, .106" Height, Bottom Entry Receptacle

PLATING

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

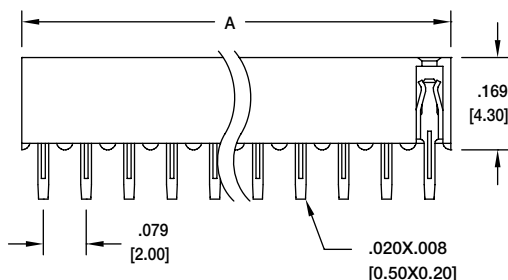
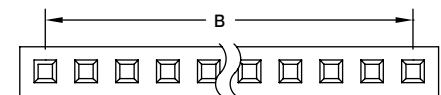
POSITIONS

SINGLE ROW: 2 thru 40
DUAL ROW: 4 thru 80
FOUR ROW: 8 thru 120

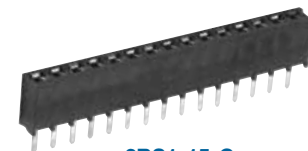
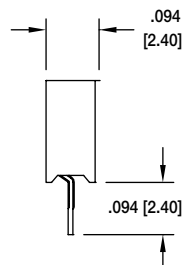
OPTIONS:

Add designator(s) to end of part number
30 = 30 μin gold plating in contact area
SMT = SMT leads with Hi-Temp insulator dual row
SMT-A = SMT Single Row Type A with Hi-Temp insulator
SMT-B = SMT Single Row Type B with Hi-Temp insulator
P = Optional guide peg on SMT version
PP = Pick and place pad
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)

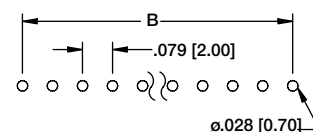
2RS1



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

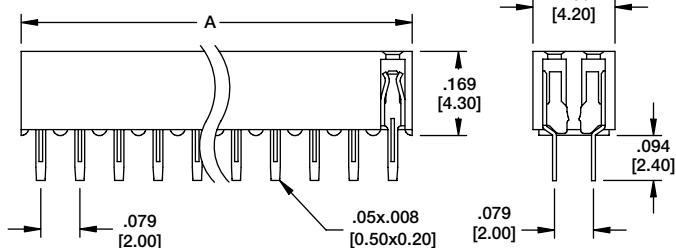
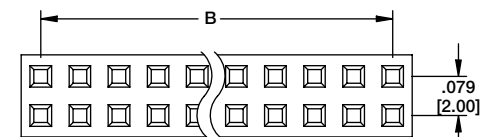


2RS1-15-G

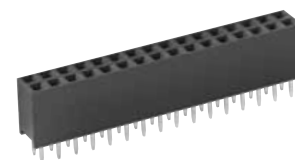


Recommended PCB Layout

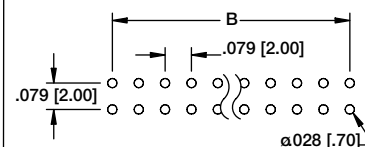
2RS2



A = .079 [2.00] X No. of Positions per row
B = .079 [2.00] X No. of Spaces

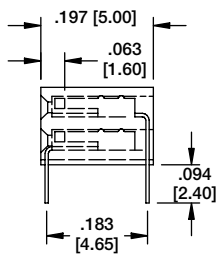
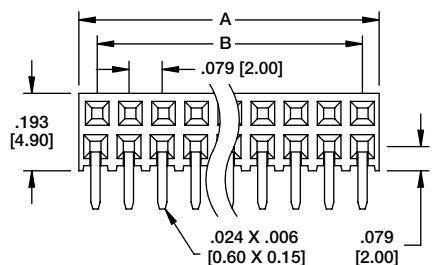


2RS2-32-G

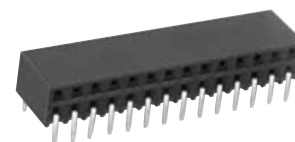


Recommended PCB Layout

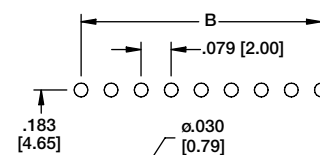
2RS2BR



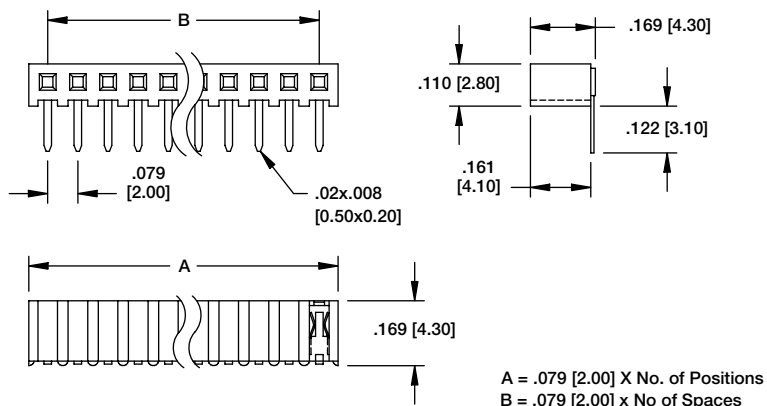
A = .079 [2.00] X No. of Positions per row + .008 [0.20]
B = .079 [2.00] X No. of Spaces



2RS2BR-28-G

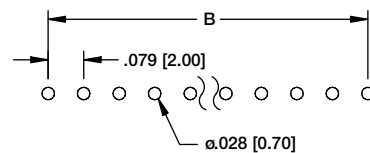


Recommended PCB Layout

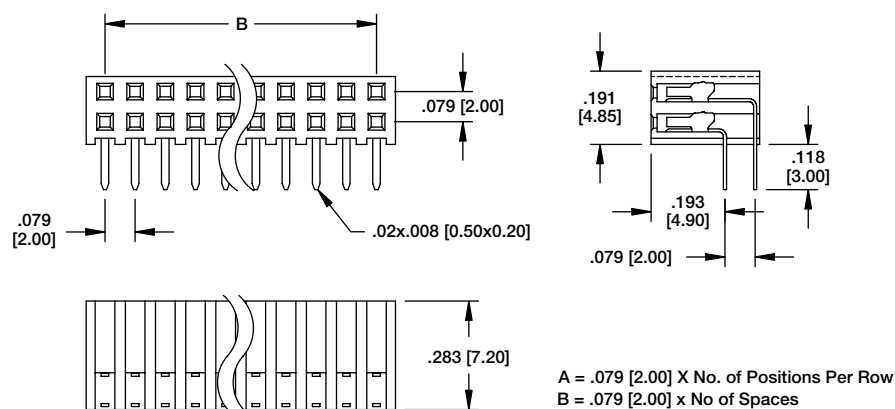


2RS1R

2RS1R-14-G

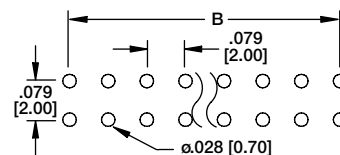


Recommended PCB Layout

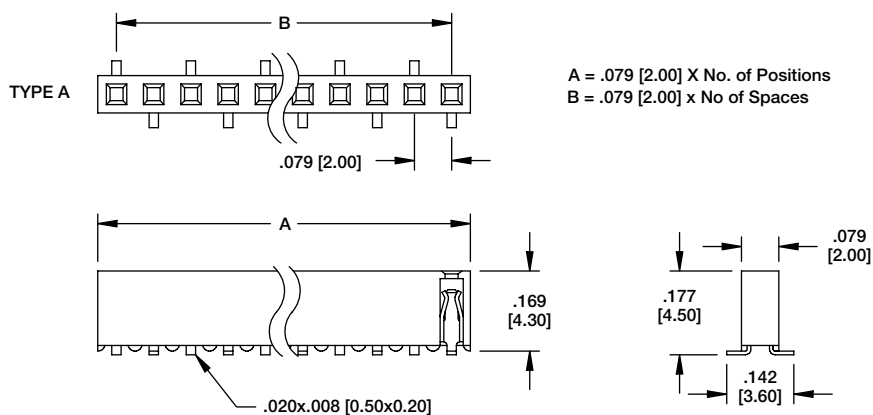


2RS2R

2RS2R-32-G



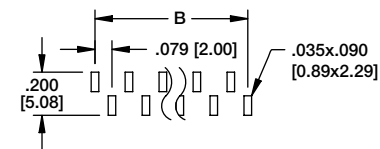
Recommended PCB Layout



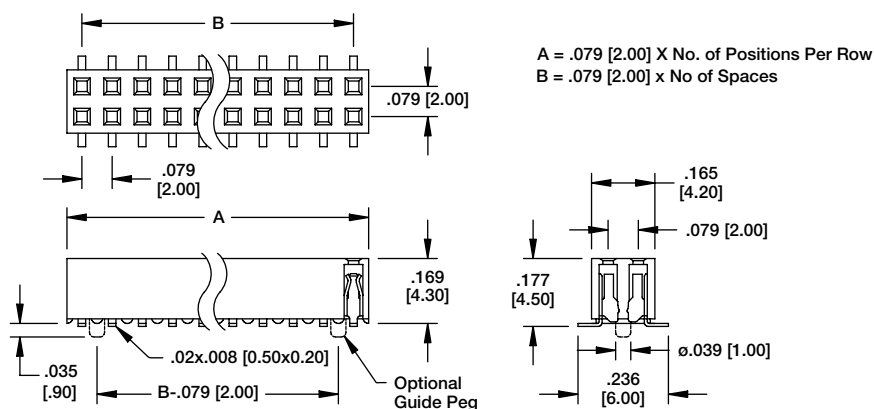
2RS1-SMT



2RS1-15-SG-SMT-A



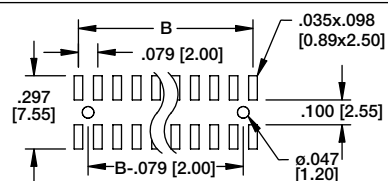
Recommended PCB Layout



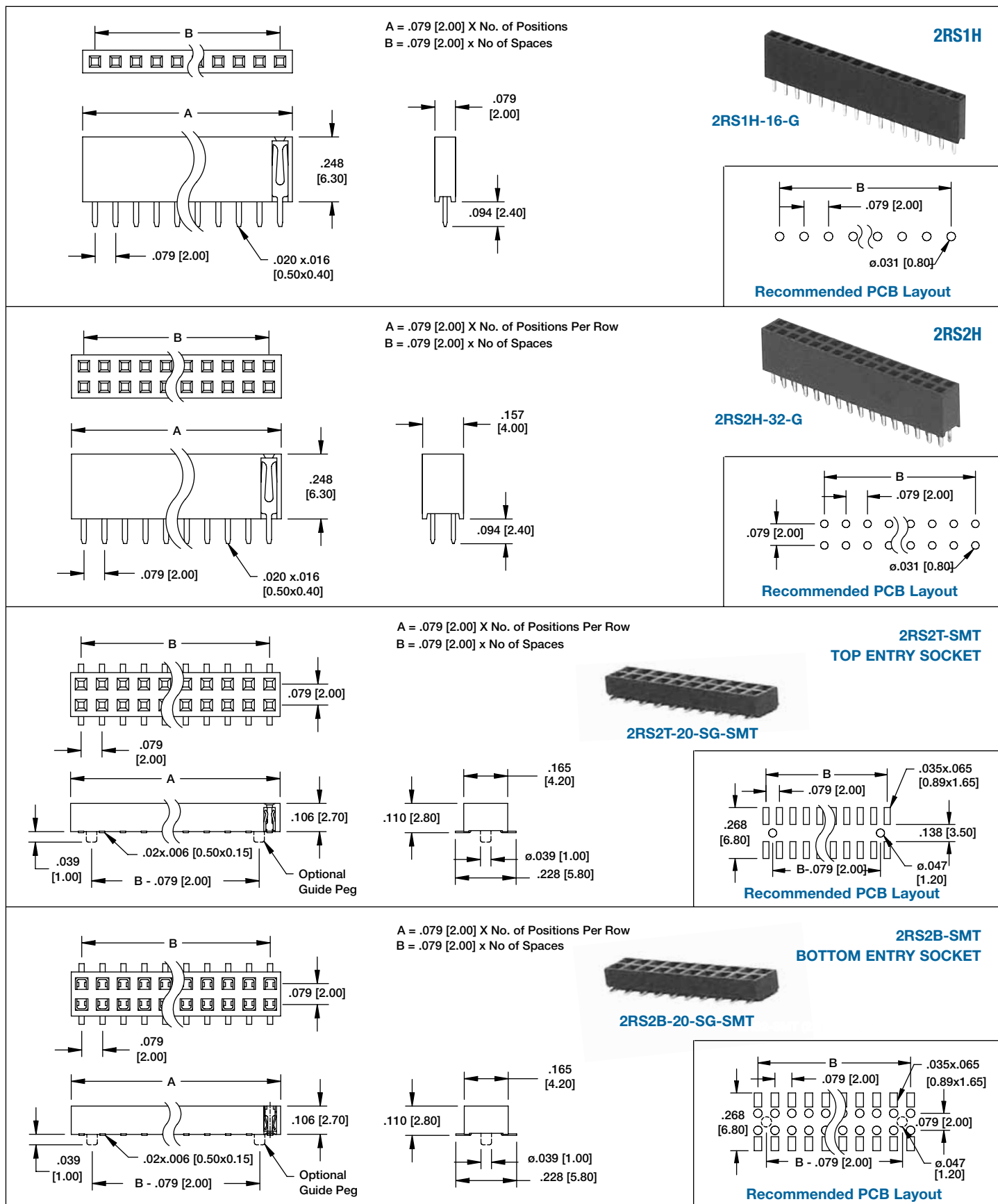
2RS2-SMT

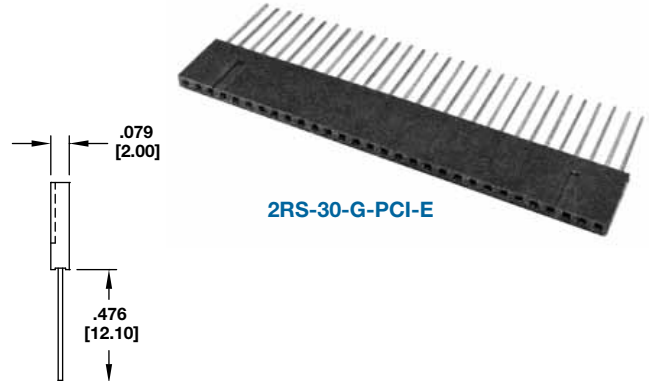
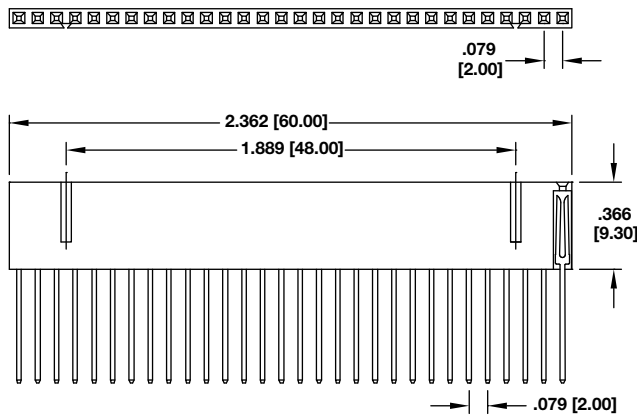


2RS2-32-SG-SMT

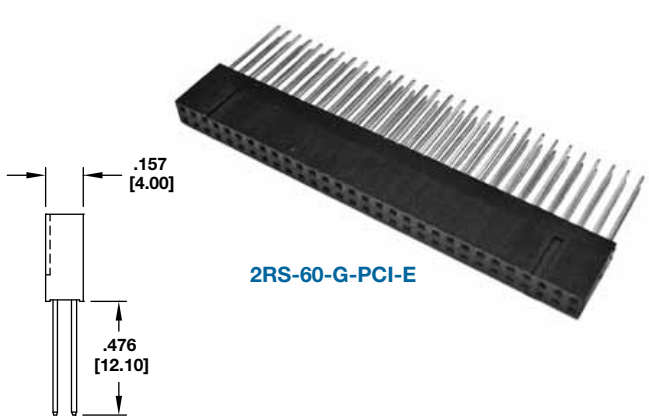
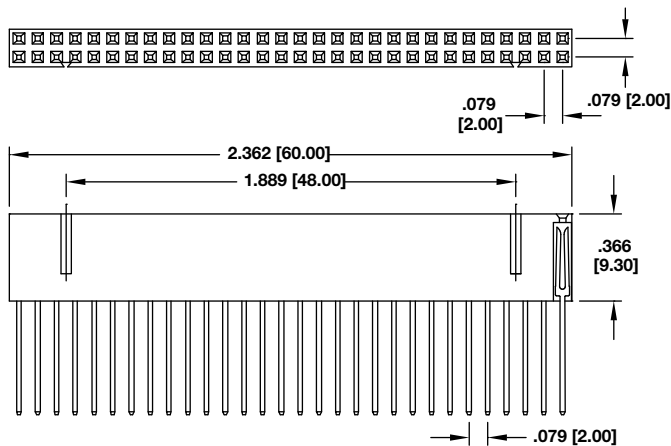


Recommended PCB Layout

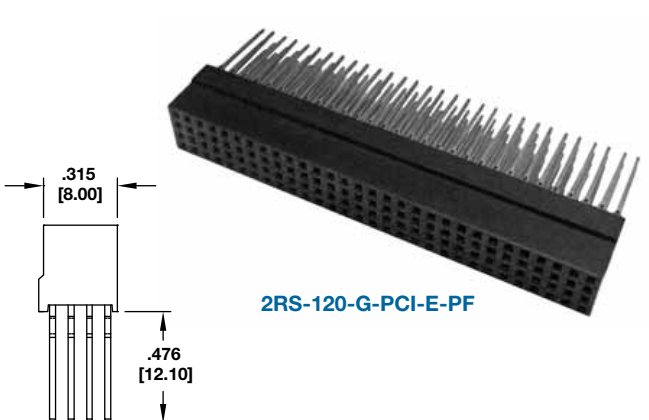
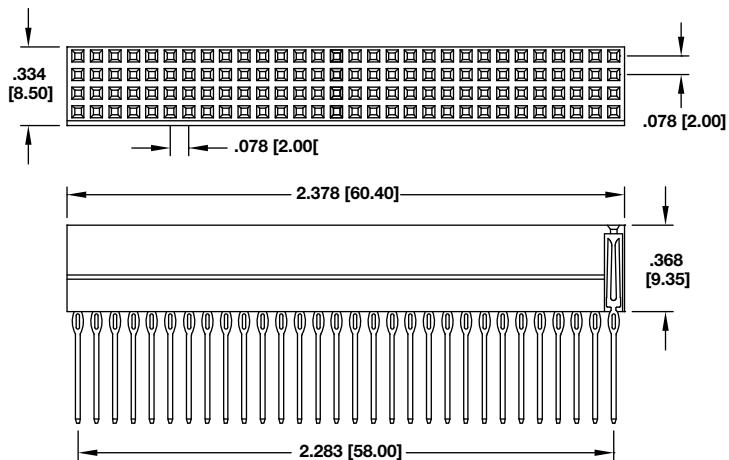




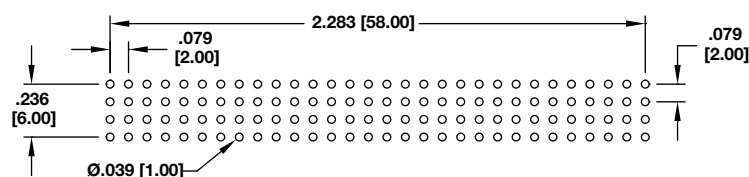
2RS-30-G-PCI-E



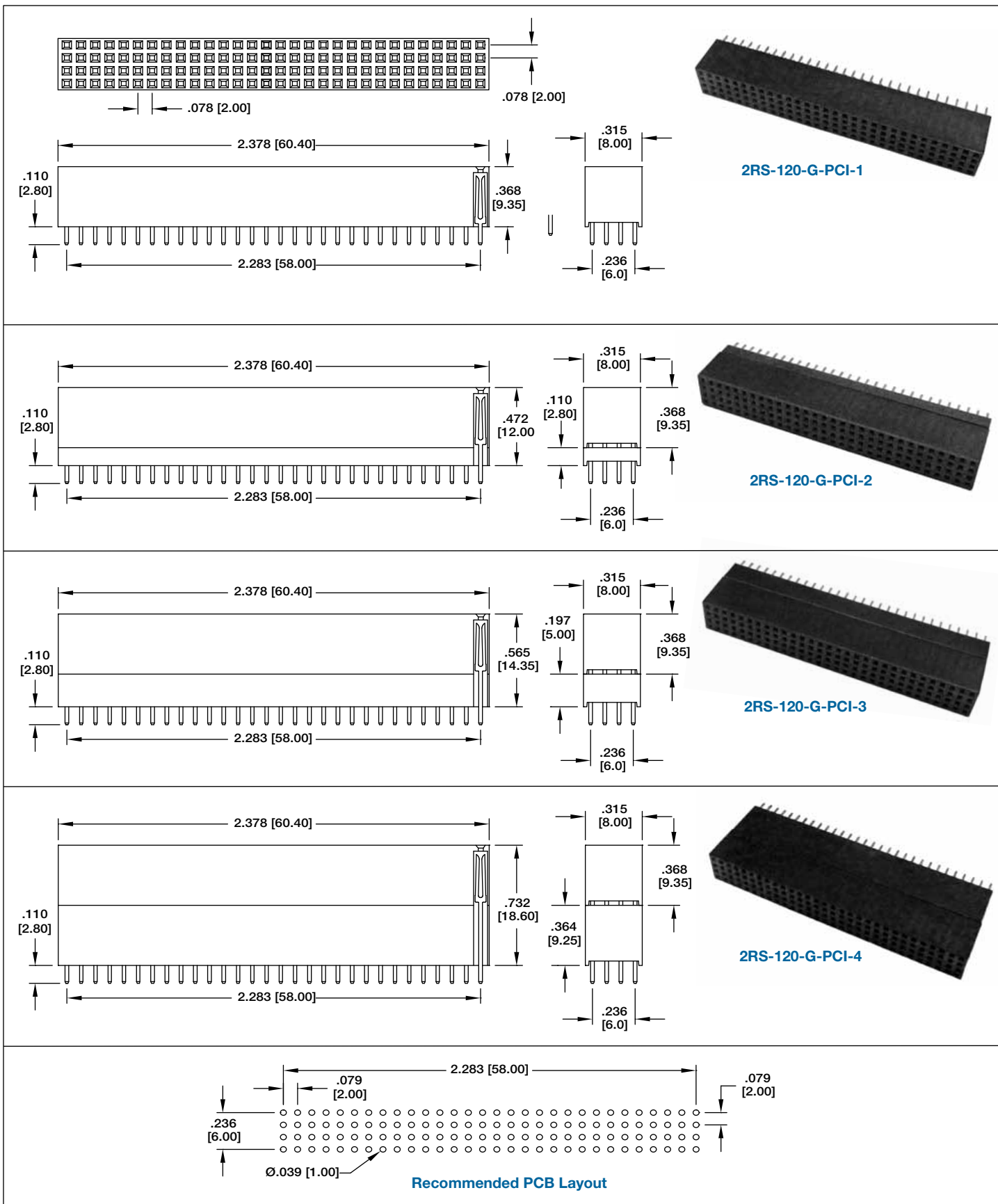
2RS-60-G-PCI-E



2RS-120-G-PCI-E-PF



Recommended PCB Layout



INTRODUCTION:

Adam Tech PH Series .100" Pin Headers are 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 reinforced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black
Contacts: Brass

Plating:

U = Gold over nickel underplate
SG = Gold 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:

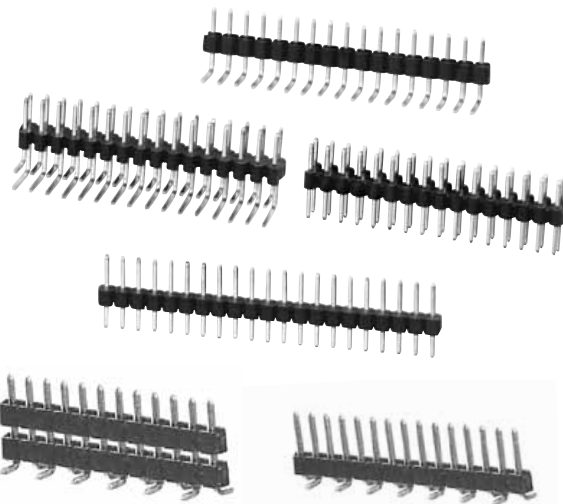
Operating temperature: -40°C to +105°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PACKAGING:

Anti-ESD plastic bags

SAFETY AGENCY APPROVALS:

UL Recognized & CSA Certified, File no. E224053



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

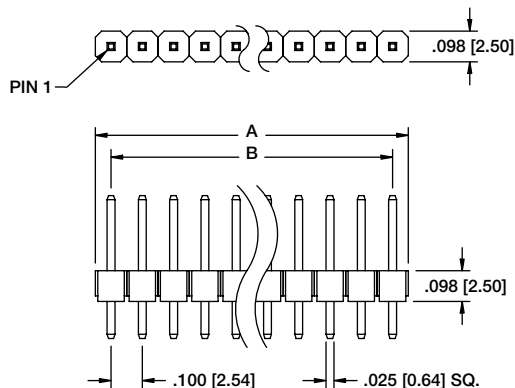
HT = Hi-Temp insulator for Hi-Temp soldering processes up to 260°C (Add this option for thru-hole products only.)

All SMT products are manufactured with Hi-Temp insulators)

L = Low profile 1.50 mm insulator thickness

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

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

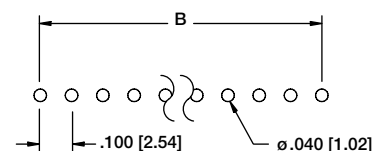


PH1
SINGLE ROW



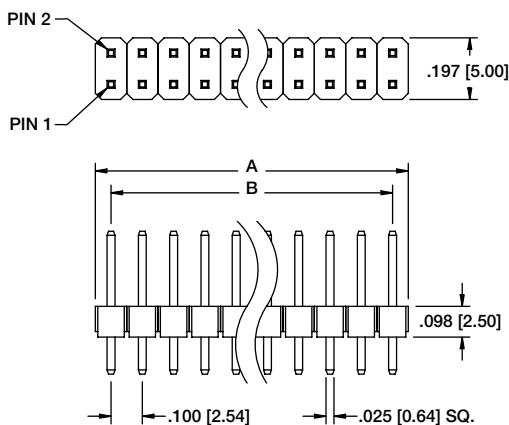
PH1-16-UA

Recommended PCB Layout



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

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

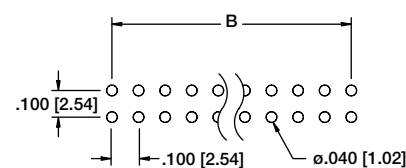


PH2
DUAL ROW



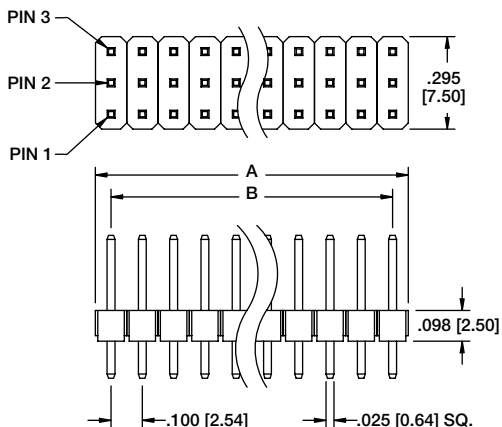
PH2-32-UA

Recommended PCB Layout



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

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

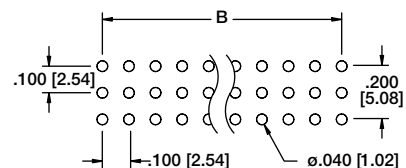


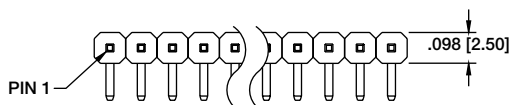
PH3
TRIPLE ROW



PH3-48-UA

Recommended PCB Layout

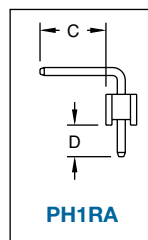
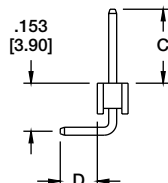
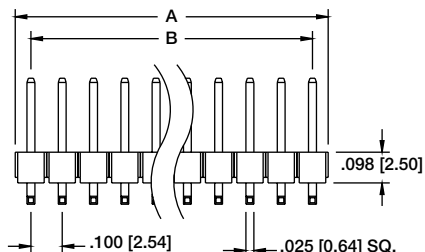




PH1RB
SINGLE ROW

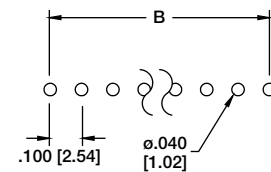


PH1RB-16-UA



PH1RA

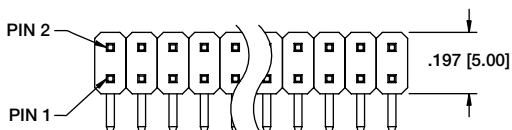
Recommended PCB Layout



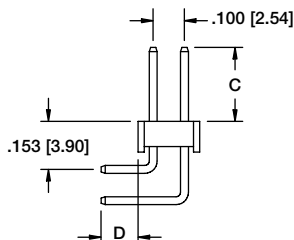
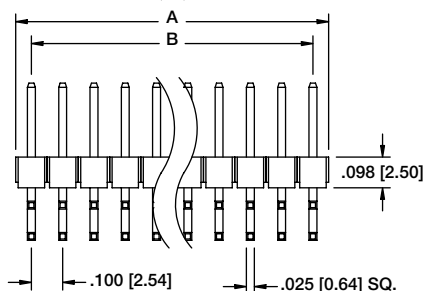
A = .100 [2.54] X No. of Positions.
B = .100 [2.54] X No. of Spaces.

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

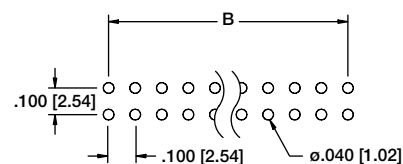
PH2RA
DUAL ROW



PH2RA-32-UA

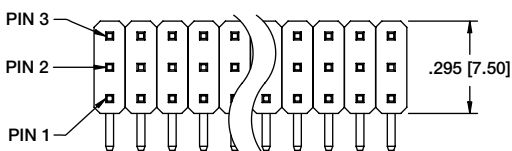


Recommended PCB Layout

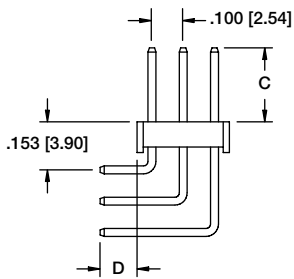
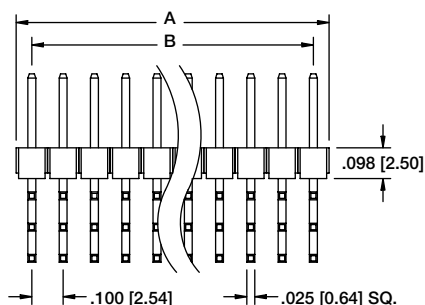


A = .100 [2.54] X No. of Positions per row.
B = .100 [2.54] X No. of Spaces.

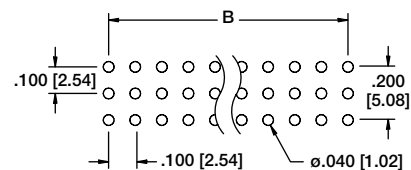
PH3RA
TRIPLE ROW

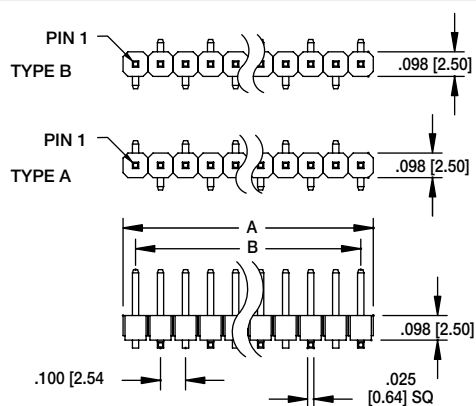


PH3RA-48-UA

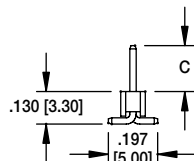


Recommended PCB Layout





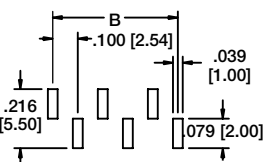
A = .100 [2.54] X No. of Positions.
B = .100 [2.54] X No. of Spaces.



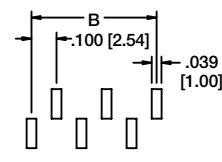
PH1-15-UA-SMT-B

PH1
SMT-SINGLE ROW
STRAIGHT

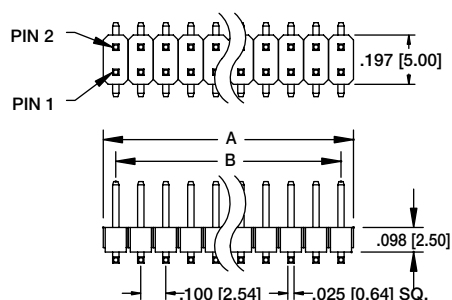
Recommended PCB Layout



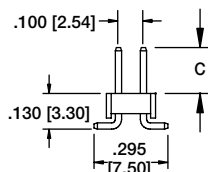
SMT-A



SMT-B



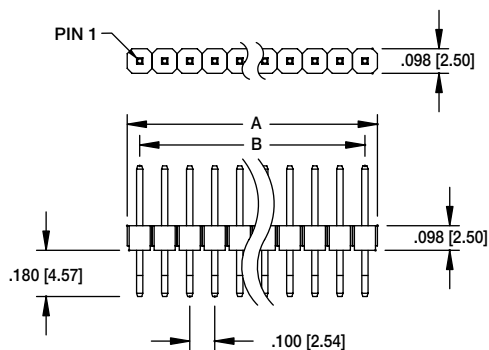
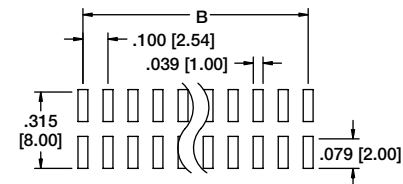
A = .100 [2.54] X No. of Positions per row.
B = .100 [2.54] X No. of Spaces.



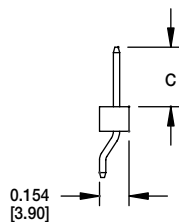
PH2-26-UA-SMT

PH2
SMT-DUAL ROW
STRAIGHT

Recommended PCB Layout



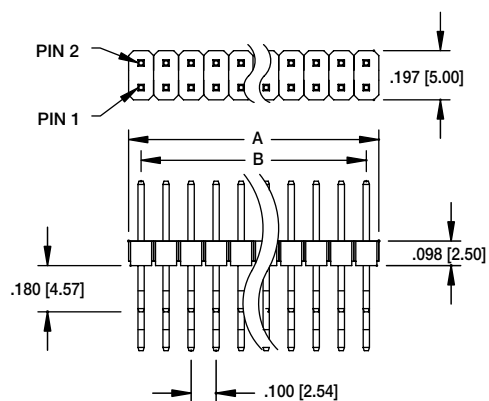
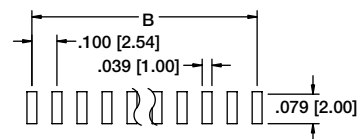
A = .100 [2.54] X No. of Positions.
B = .100 [2.54] X No. of Spaces.



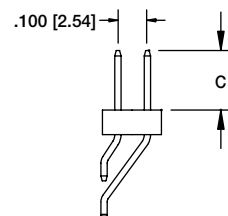
PH1RB-10-UA-SMT

PH1RB
SMT-SINGLE ROW
RIGHT ANGLE

Recommended PCB Layout



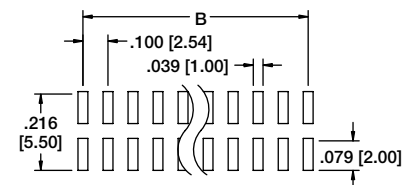
A = .100 [2.54] X No. of Positions per row.
B = .100 [2.54] X No. of Spaces.



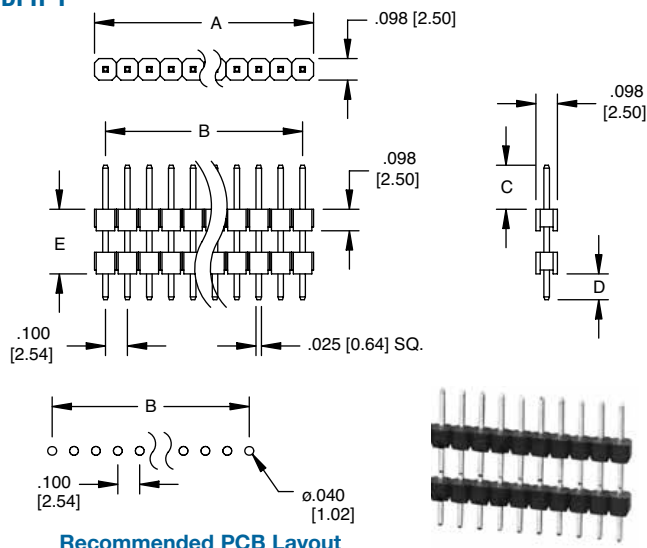
PH2RA-20-UA-SMT

PH2RA
SMT-DUAL ROW
RIGHT ANGLE

Recommended PCB Layout

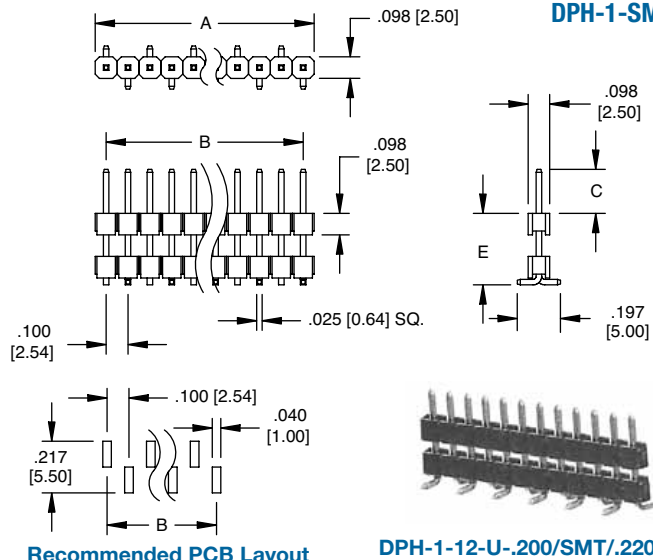


DPH-1



Recommended PCB Layout

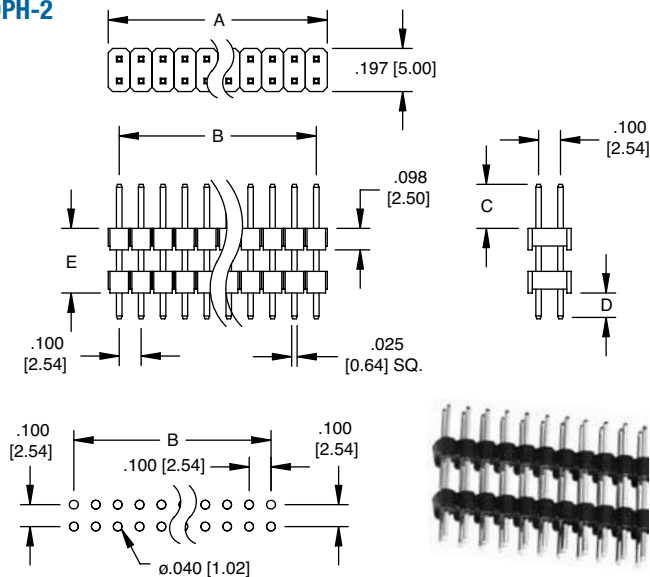
DPH-1-SMT



Recommended PCB Layout

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

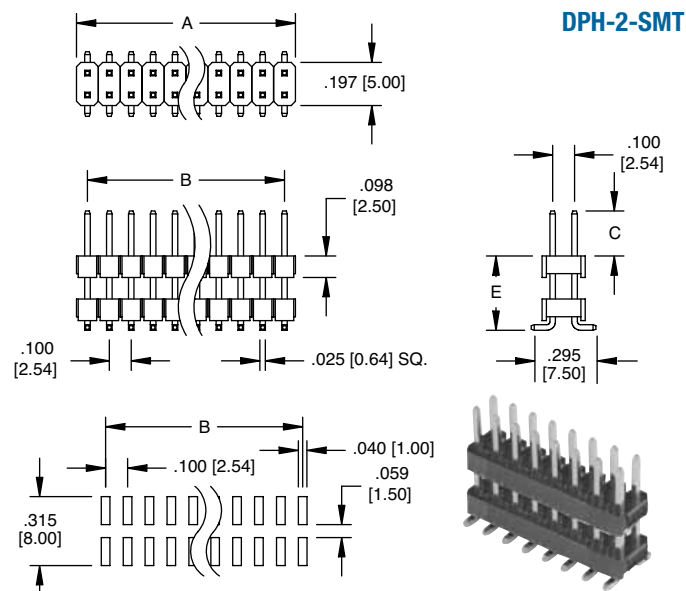
DPH-2



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

SERIES INDICATOR
DPH = Dual insulator
.100" centerline

2

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

20

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

SG

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

.XXX" / .XXX" / .XXX"
(C DIM) (D DIM) (E DIM)

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

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

INTRODUCTION:

Adam Tech MS Series Mini Shunts are available in .050", 2.0mm, .100" and .200" centerlines. They quickly and easily jump individual pins on pin headers to perform manual programming on PCB's. This series offers a broad range of sizes, shapes and colors. Shunts are designed with detents at top for easy fingertip installation and removal. Options include integrated pull tabs and gang types which are molded in one piece. This series is extremely low cost and is a highly economical, cost effective solution to replacing PCB switches. Adam Tech's shunts are available in Gold or Tin plating.

FEATURES:

Electrically connects two or more pin header posts
Wide variety of bodies and styles to choose from
Superior insulator design provides easy Fingertip extraction
Pull Tab and Ganged options available
Choice of Gold or Tin-plated contact area
Side and end stackable

MATING OPTIONS:

Mates with .025" sq. pin headers on .100" centers and all industry standard pin headers with .025" square post on .100" [2.54mm] centerlines.

SPECIFICATIONS:

Material:

Insulator: PBT, rated UL94V-0
Insulator Color: Black
Contacts: Phosphor Bronze

Contact Plating:

G = Gold over nickel underplate overall
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: 1.57 lbs max.
Withdrawal force: .65 lbs min
Mating durability: 50 Cycles Gold
20 Cycles Tin

Temperature Rating:

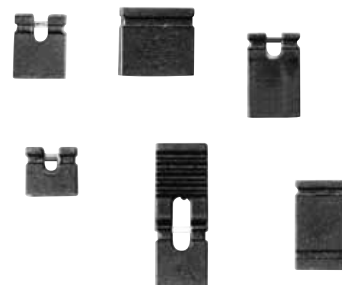
Operating temperature: -40°C to +105°C

PACKAGING:

Anti-ESD plastic bags

SAFETY AGENCY APPROVALS:

UL Recognized & CSA Certified, File no. E224053



ORDERING INFORMATION

MSB

G

BODY STYLE/HEIGHT

MSA = Closed top, .256"
MSB = Open top, .236"
MSC = Open top, .177"
MSDA = Closed top, .315"
MSDB = Open top, .315"
MSBH = Handle-top, .531"
HMSA = .050" Mini Shunt (1 x 2)
HMSB = .050" Mini Shunt (2 x 2)
HMSC = .050" Mini Shunt, .118"
MSE = Closed top, 3 position
MST = 10 piece strip
MSBG = Ganged, block type
(Specify # of positions, 2 thru 10)

PLATING

G = Gold plated
T = Tin plated

2.00mm SHUNTS - Pg. 301

OPTIONS:

Add designator(s) to end of part number
30 = 30 μin gold plating in contact area

STANDARD INSULATOR COLOR IS BLACK
Other insulator colors available

Add designator(s) to end of part number

R = Red *
B = Blue *
W = White *
Y = Yellow *
G = Green *

* Minimum order required