

INTRODUCTION:

Adam Tech BHR Series .100" Box Headers are a dual row shrouded header 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:

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 .100" X .100" dual row IDC sockets

SPECIFICATIONS:**Material:**

Insulator: PBT, rated UL94V-0
(Hi-Temp Nylon for surface mount)
Insulator Color: Black (Gray optional)
Contacts: Brass

Plating:

U = Gold flash (30u" optional) over nickel underplate
SG = Gold flash (30u" optional) over nickel underplate on
contact area, tin over copper underplate on tails.
T = Tin over copper underplate overall

Electrical:

Operating voltage: 250V AC max.
Current rating: 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:

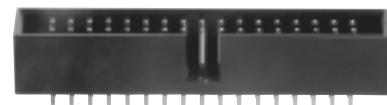
Operating temperature: -55°C to +105°C

PACKAGING:

Anti-ESD plastic trays

SAFETY AGENCY APPROVALS:

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

**ORDERING INFORMATION**

BHR	50	V	U	A
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**SERIES
INDICATOR**
BHR = .100"
Box Header

PIN LENGTH
A = Standard
solder tail
B = Special length,
customer
specified
SMT = Surface
Mount

**NO. OF
POSITIONS**
10, 14, 16, 20,
24, 26, 30, 34, 40,
44, 50, 60, 64

CONTACT PLATING
U = Gold Plated
T = Tin Plated
SG = Gold Plating in contact
area, tin plated tails

MOUNTING ORIENTATION

V = Straight Mount
H = Right Angle Mount

OPTIONS:

Add designator(s) to end of part number
30 = 30 μin gold plating in contact area
GY = Gray color insulator
M = Metal latches
RC = RoHS compliant lead-free product
with Hi-Temp insulator

INTRODUCTION:

Adam Tech PC Series International Power Cordset series offers a wide range of cordsets with numerous international approvals for worldwide applications. Each is approved for use by all of the major safety organizations such as UL, CSA & VDE. This series is available in a wide range of cord types with choice of wire gauge and various shielding options. We offer numerous standard Power Cords designed to comply with specific world market requirements and an unlimited variety of custom cords manufactured to our customers specifications.

FEATURES:

Sturdy, high reliability designs
Worldwide Safety agency approvals
Standard and Custom Power Cords
Choice of cord types and shielding options

MATING CONNECTORS:

Adam Tech IEC series & power line filters, all international IEC 60320 power connectors.

SPECIFICATIONS:

Material:

Outer Jacket Color: Black, other colors optional

Temperature Rating:

Outer Jacket Temperature: 60°C (75°C and 105°C optional)

PACKAGING:

Corrugated boxes

SAFETY AGENCY APPROVALS:

UL/CSA Recognized File No. E167153
VDE Approved



ORDERING INFORMATION



SERIES INDICATOR
PC = Power Cord



PLUG & SOCKET OPTIONS

- 01 = American, NEMA 5-15P Straight
- 01H = North American Hospital Grade NEMA 5-15
- 01HB = Color Black
- 01HC = Color Clear
- 01HG = Color Gray
- 02 = International Female, IEC C13 straight
- 03 = International Female, IEC C13 R/A
- 04 = International Male, IEC C14
- 06 = European, CEE 7/7 Straight
- 07 = European, CEE 7/7 R/A
- 08 = United Kingdom Fused, BS 1363
- 10 = American, NEMA 1-15P Straight Non Polarized
- 11 = Swiss, SEV 1011 Straight
- 12 = Italian, CEI 23-16 Grounded
- 13 = Australian, AS 3112 Grounded



LENGTH
(Specified in ft/in)
060 = 6 FT 0 IN
076 = 7 FT 6 IN
State length as required



CORD TYPE

- A = SVT, 60°C
- B = SJT, 60°C
- C = SJTW
- D = SJTW-A
- E = SPT-1
- F = SPT-2
- G = SPT-3
- H = H03VV-F 3X0.75mm
- I = H05VV-F 3X0.75mm
- J = H05VV-F 3X1.0mm
- K = H03VV-H 2X0.75mm
- L = H05VV-F 3X0.75mm
- M = SPT-1 NON-INTEGRAL
- N = SPT-2 NON-INTEGRAL
- R = SJT, CEE
- S = SVT, CEE
- Q = SJT, 105°C
- V = SVT, 105°C



WIRE AWG
A = 14 AWG
B = 16 AWG
C = 18 AWG
G = H03 & H05



SHIELDING
0 = Non Shielded
F = Foil Shield
S = Copper Braid and Foil Shield

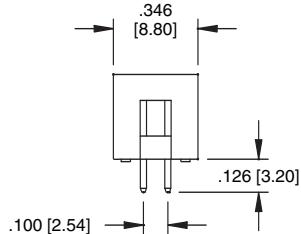
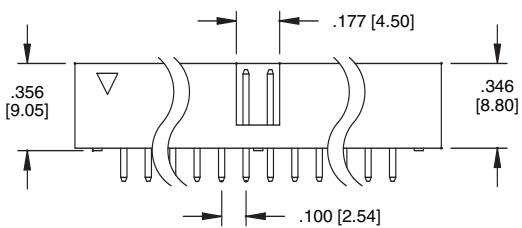
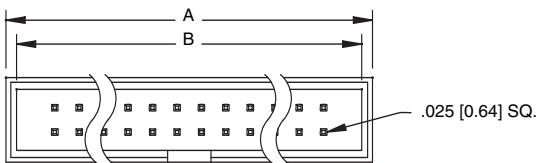


JACKET COLOR
3 = Black
4 = Gray
5 = Beige
6 = White

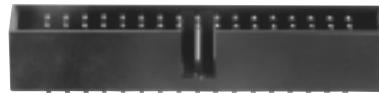


.100" BOX HEADERS

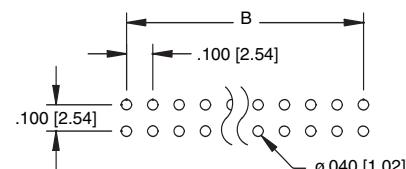
.100" X .100" [2.54 X 2.54] CENTERLINE BHR SERIES



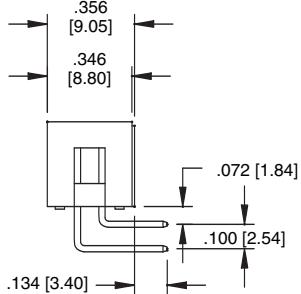
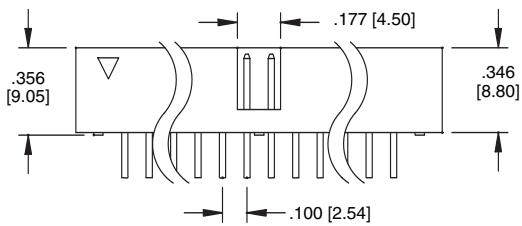
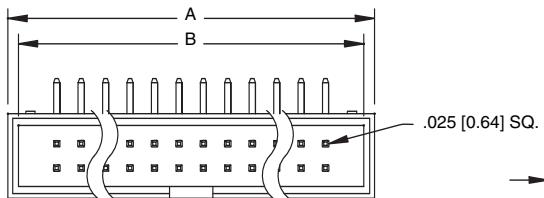
BHR - STRAIGHT



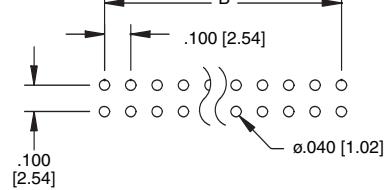
BHR-34-VUA



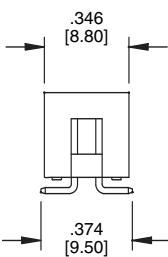
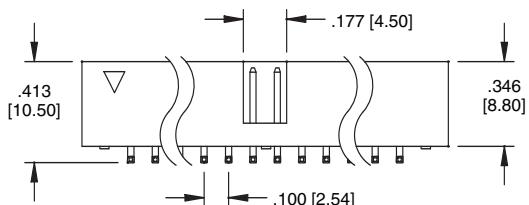
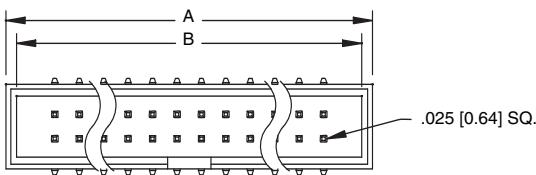
BHR - RIGHT ANGLE



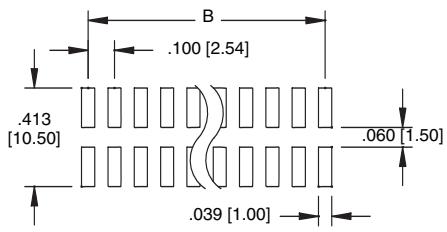
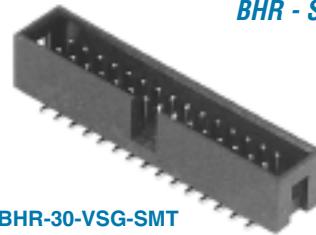
BHR-34-HUA



BHR - SMT



BHR-30-VSG-SMT



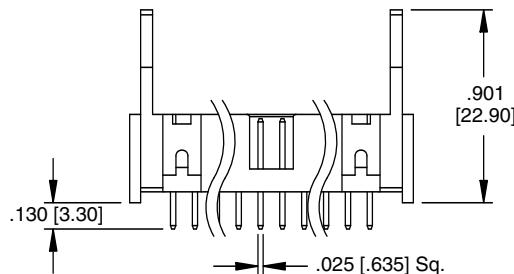
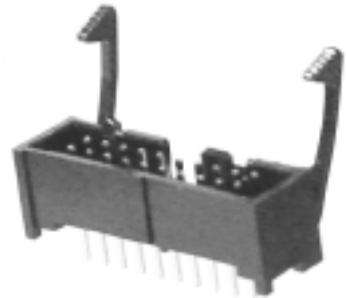
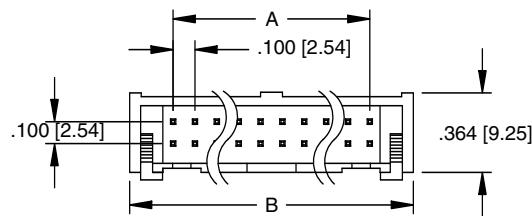
A = .100 [2.54] X No. of Positions /2 + .300 [7.62]
B = .100 [2.54] X No. of Positions /2 + .212 [5.40]

ADAM TECH .100" BOX HEADER W/LATCHES

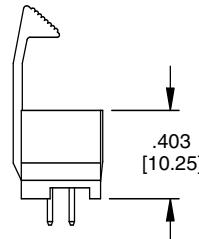
ADAM TECHNOLOGIES

.100" X .100" [2.54 X 2.54] CENTERLINE
MSH SERIES

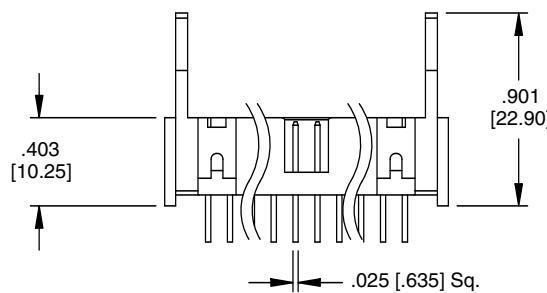
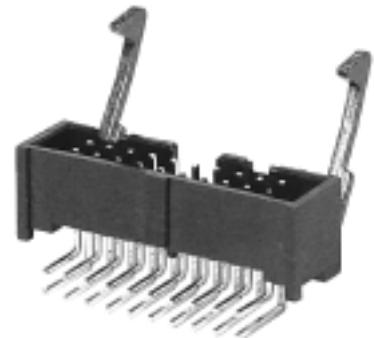
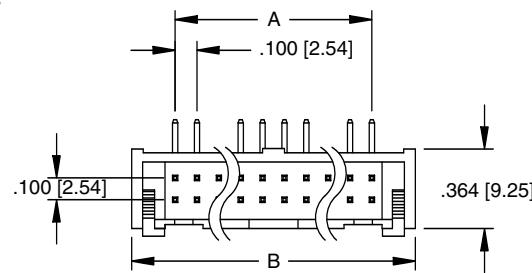
**BHR - STRAIGHT
WITH -M METAL
LATCH OPTION**



BHR-34-VUA-M

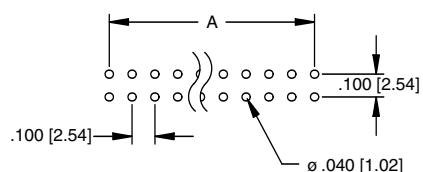


**BHR - RIGHT ANGLE
WITH -M METAL
LATCH OPTION**



BHR-34-HUA-M

Recommended PCB Layout



A = .100 [2.54] X No. of Positions /2 + .300 [7.62]
B = .100 [2.54] X No. of Positions /2 + .212 [5.40]