

**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:**

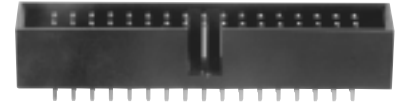
Operating temperature: -55°C to +105°C

**PACKAGING:**

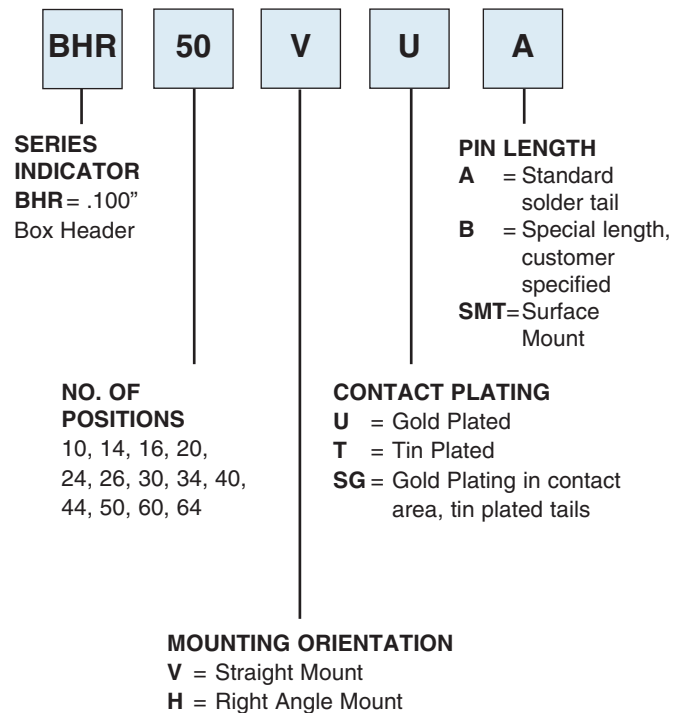
Anti-ESD plastic trays

**SAFETY AGENCY APPROVALS:**

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



**ORDERING INFORMATION**



**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**

**PC**

**SERIES INDICATOR**  
PC = Power Cord

**01 02**

**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
- 15 = Jacket and Conductor Stripped, Jacket 2.0" / Conductors 0.37" (Consult factory for custom jacket and conductor strip lengths)
- 16 = Blunt Cut
- 17 = International Female, IEC C7
- 25 = American, NEMA 5-15P R/A
- 28 = European, CEE 7/16 Straight
- 29 = Italian, CEI 23-16
- 30 = International Female, IEC C5
- 31 = Danish, SRAF
- 32 = South African, BS-546
- 33 = South African, BS-546 R/A
- 34 = Israel, SI-32 R/A
- 35 = Australian, AS 3112
- 38 = European, CEE 7/17 Straight

**060**

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

**A**

**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

**C**

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

**0**

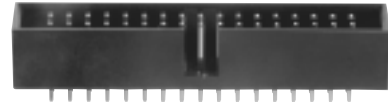
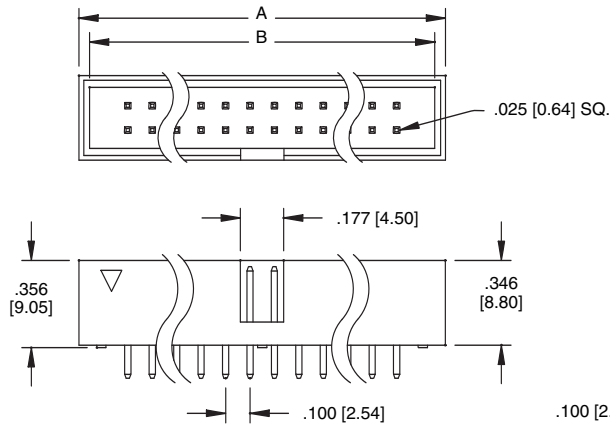
**SHIELDING**  
0 = Non Shielded  
F = Foil Shield  
S = Copper Braid and Foil Shield

**3**

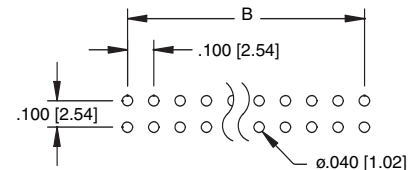
**JACKET COLOR**  
3 = Black  
4 = Gray  
5 = Beige  
6 = White



**BHR - STRAIGHT**

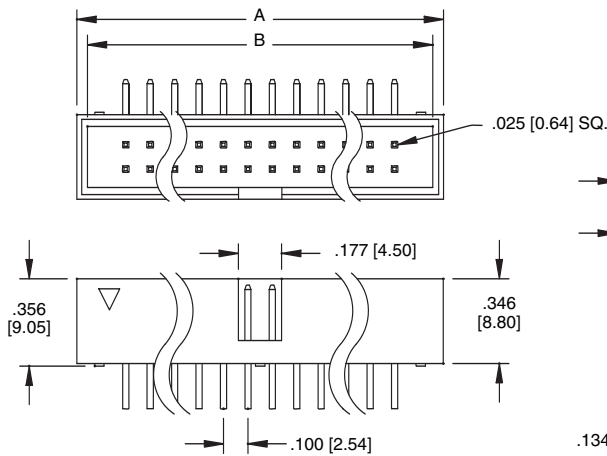


**BHR-34-VUA**

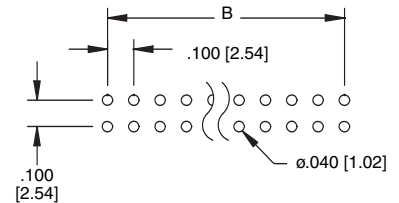


$A = .100 [2.54] \times \text{No. of Positions} / 2 + .300 [7.62]$   
 $B = .100 [2.54] \times \text{No. of Positions} / 2 + .212 [5.40]$

**BHR - RIGHT ANGLE**

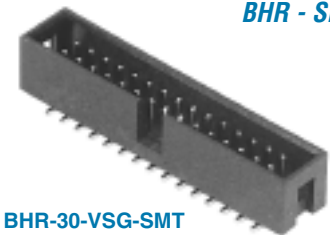
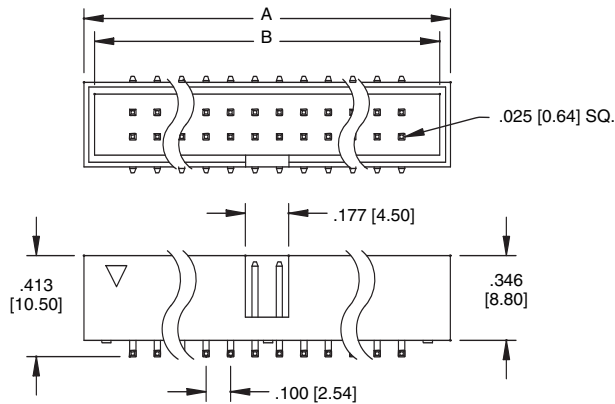


**BHR-34-HUA**

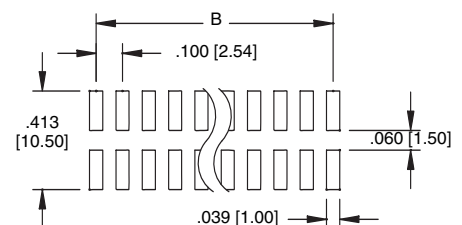


$A = .100 [2.54] \times \text{No. of Positions} / 2 + .300 [7.62]$   
 $B = .100 [2.54] \times \text{No. of Positions} / 2 + .212 [5.40]$

**BHR - SMT**



**BHR-30-VSG-SMT**



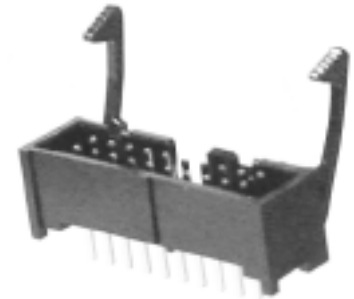
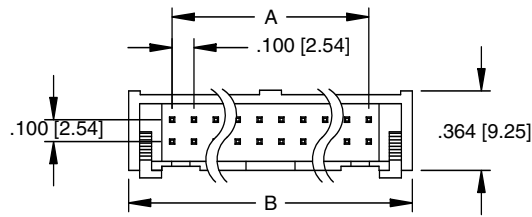
$A = .100 [2.54] \times \text{No. of Positions} / 2 + .300 [7.62]$   
 $B = .100 [2.54] \times \text{No. of Positions} / 2 + .212 [5.40]$

# ADAM TECH .100" BOX HEADER W/LATCHES

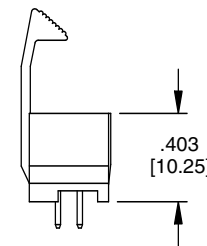
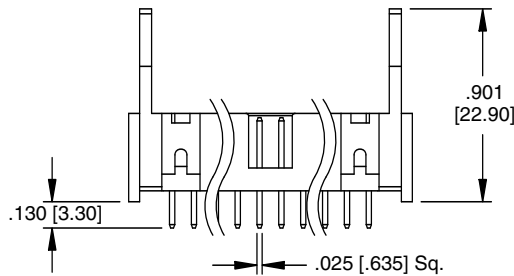
ADAM TECHNOLOGIES

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

## BHR - STRAIGHT WITH -M METAL LATCH OPTION

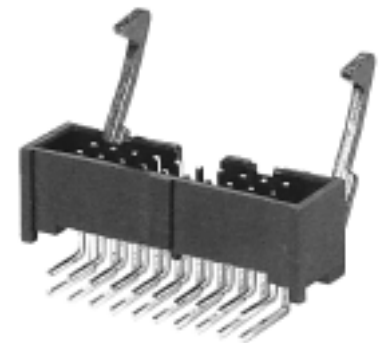
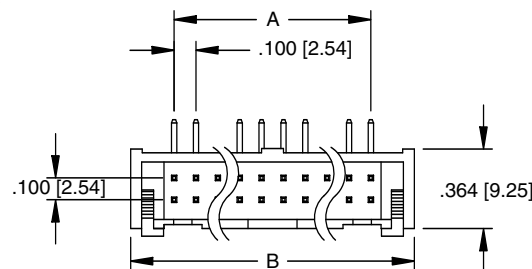


BHR-34-VUA-M

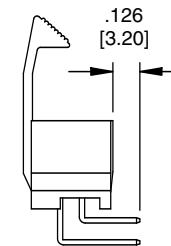
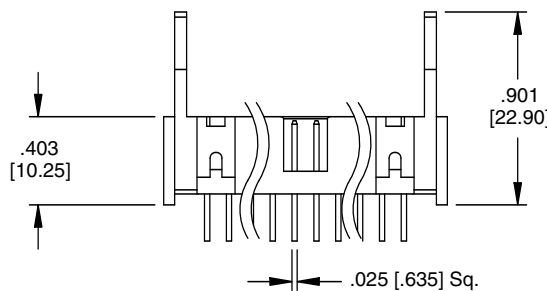


A = .100 [2.54] X No. of Positions / 2 + .300 [7.62]  
B = .100 [2.54] X No. of Positions / 2 + .212 [5.40]

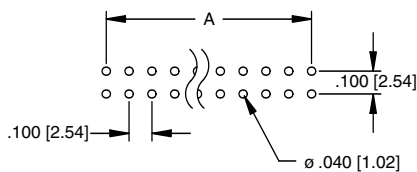
## BHR - RIGHT ANGLE WITH -M METAL LATCH OPTION



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]