

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:

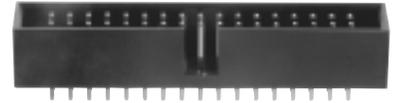
Operating temperature: -55°C to +105°C

PACKAGING:

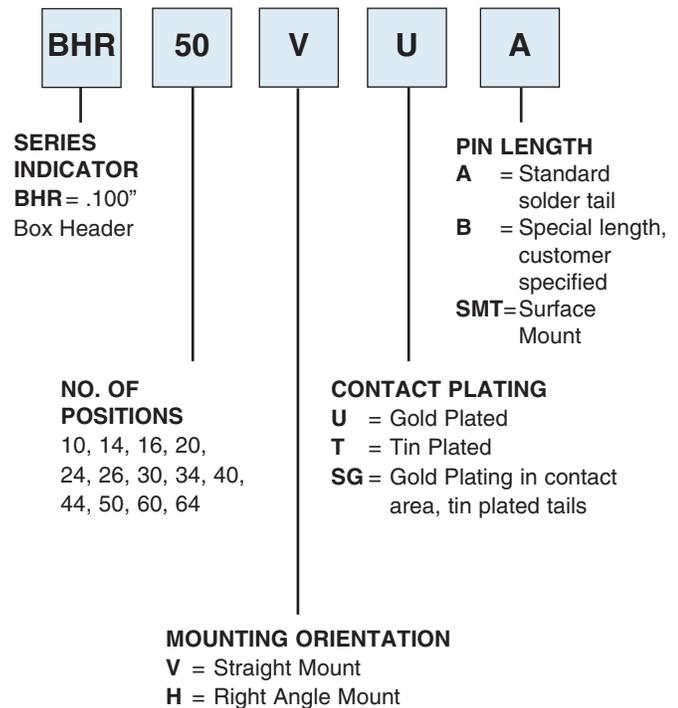
Anti-ESD plastic trays

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 | 15 = Jacket and Conductor Stripped, Jacket 2.0" / Conductors 0.37" (Consult factory for custom jacket and conductor strip lengths) |
| 01H = North American Hospital Grade NEMA 5-15 | 16 = Blunt Cut |
| 01HB = Color Black | 17 = International Female, IEC C7 |
| 01HC = Color Clear | 25 = American, NEMA 5-15P R/A |
| 01HG = Color Gray | 28 = European, CEE 7/16 Straight |
| 02 = International Female, IEC C13 straight | 29 = Italian, CEI 23-16 |
| 03 = International Female, IEC C13 R/A | 30 = International Female, IEC C5 |
| 04 = International Male, IEC C14 | 31 = Danish, SRAF |
| 06 = European, CEE 7/7 Straight | 32 = South African, BS-546 |
| 07 = European, CEE 7/7 R/A | 33 = South African, BS-546 R/A |
| 08 = United Kingdom Fused, BS 1363 | 34 = Israel, SI-32 R/A |
| 10 = American, NEMA 1-15P Straight Non Polarized | 35 = Australian, AS 3112 |
| 11 = Swiss, SEV 1011 Straight | 38 = European, CEE 7/17 Straight |
| 12 = Italian, CEI 23-16 Grounded | |
| 13 = Australian, AS 3112 Grounded | |

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

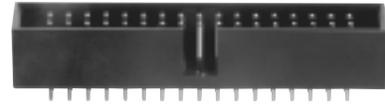
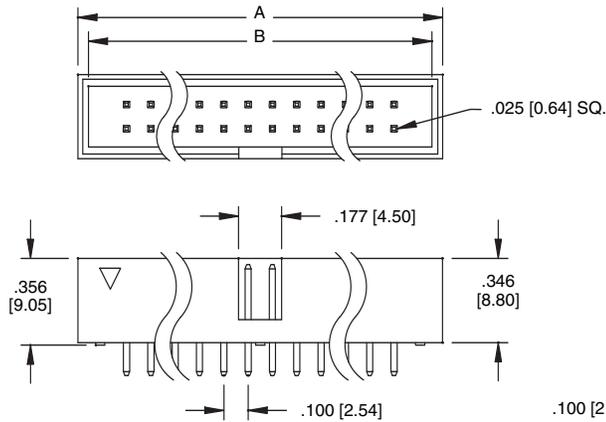
SHIELDING
0 = Non Shielded
F = Foil Shield
S = Copper Braid and Foil Shield

3

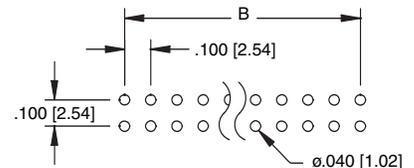
JACKET COLOR
3 = Black
4 = Gray
5 = Beige
6 = White



BHR - STRAIGHT

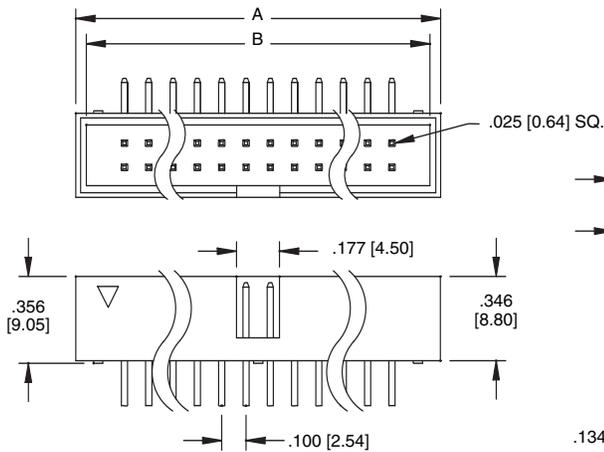


BHR-34-VUA

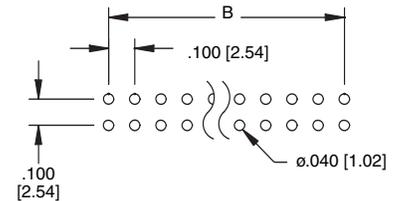
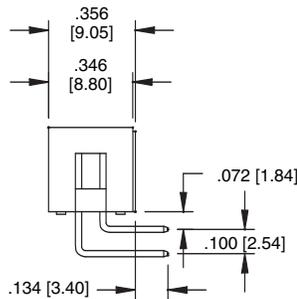


$A = .100 [2.54] \times \text{No. of Positions} / 2 + .300 [7.62]$
 $B = .100 [2.54] \times \text{No. of Positions} / 2 + .212 [5.40]$

BHR - RIGHT ANGLE

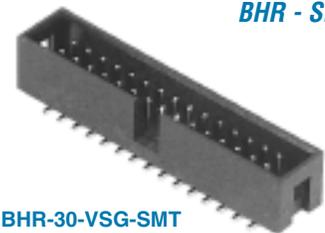
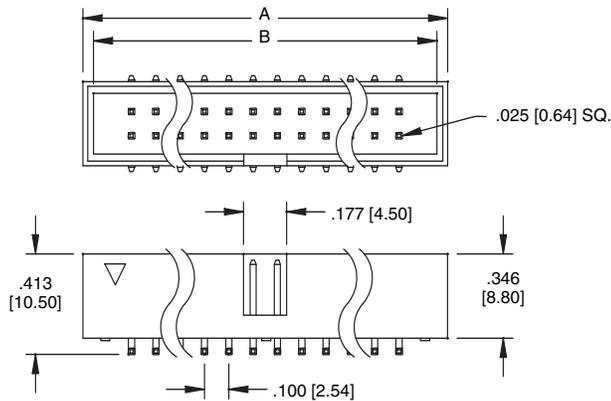


BHR-34-HUA

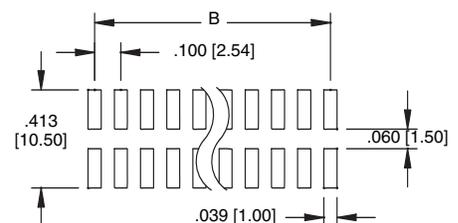
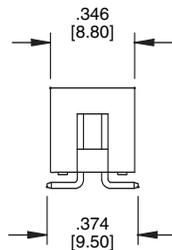


$A = .100 [2.54] \times \text{No. of Positions} / 2 + .300 [7.62]$
 $B = .100 [2.54] \times \text{No. of Positions} / 2 + .212 [5.40]$

BHR - SMT



BHR-30-VSG-SMT



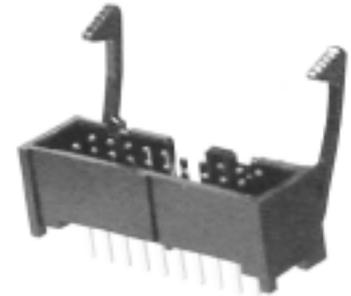
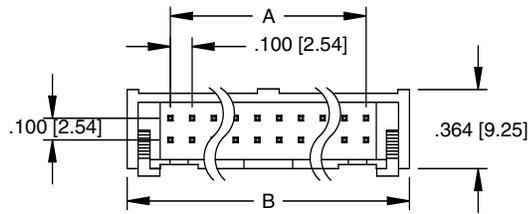
$A = .100 [2.54] \times \text{No. of Positions} / 2 + .300 [7.62]$
 $B = .100 [2.54] \times \text{No. of Positions} / 2 + .212 [5.40]$

ADAM TECH .100" BOX HEADER W/LATCHES

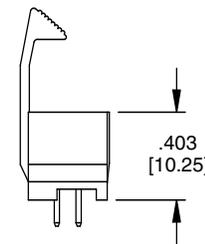
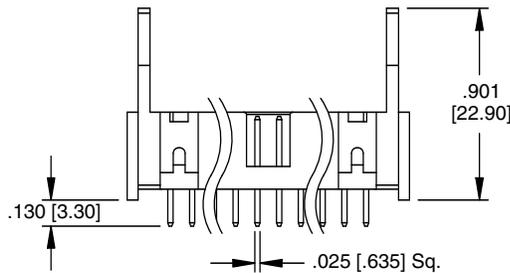
ADAM TECHNOLOGIES

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

BHR - STRAIGHT WITH -M METAL LATCH OPTION

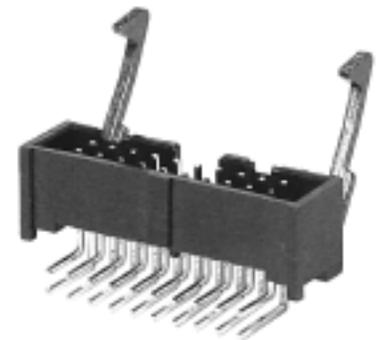
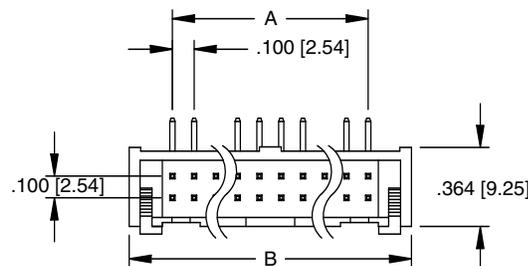


BHR-34-VUA-M

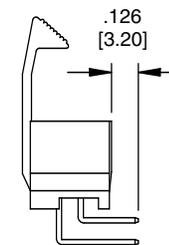
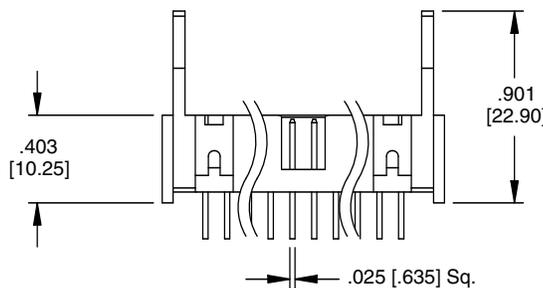


A = .100 [2.54] X No. of Positions / 2 + .300 [7.62]
B = .100 [2.54] X No. of Positions / 2 + .212 [5.40]

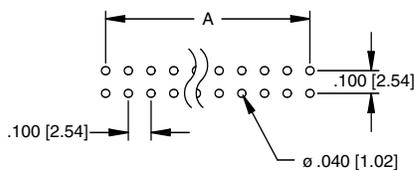
BHR - RIGHT ANGLE WITH -M METAL LATCH OPTION



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]