.100" BOX HEADERS

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

BHR SERIES

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, glass reinforeced, rated UL94V-0
Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0
Insulator Color: Black (Gray optional)
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

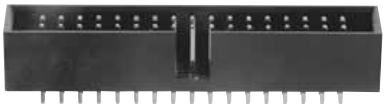
Electrical:
Operating voltage: 250V AC max.
Current rating: 1 Amp max
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Mating durability: 500 cycles min.

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

PACKAGING:
Anti-ESD plastic trays

SAFETY AGENCY APPROVALS:
UL Recognized & CSA Certified, File no. E224053



ORDERING INFORMATION

BHR	50	V	U	A

SERIES INDICATOR
BHR = .100" Box Header

NO. OF POSITIONS
08, 10, 14, 16, 20, 24, 26, 30, 34, 40, 44, 50, 60, 64

MOUNTING ORIENTATION
V = Straight Mount
H = Right Angle Mount

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

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

OPTIONS:
Add designator(s) to end of part number
LL = Box header with long plastic latches
SL = Box header with short plastic latches
ML = Box header with long metal latches
MS = Box header with long metal latches
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)*

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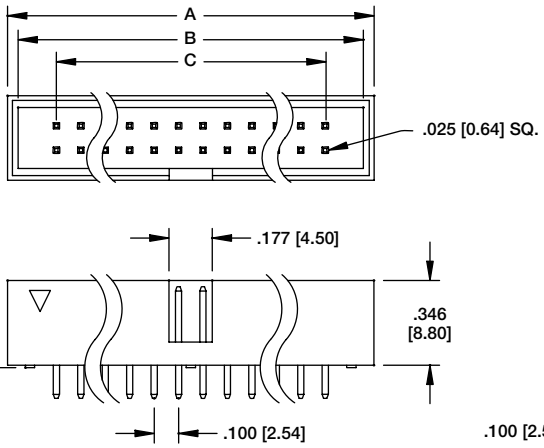
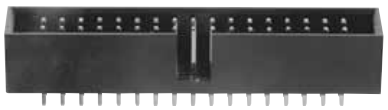
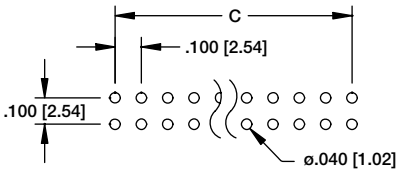


A = .100 [2.54] X No. of Positions /2 + .300 [7.62]
B = .100 [2.54] X No. of Positions /2 + .200 [5.08]
C = .100 [2.54] X No. of Spaces

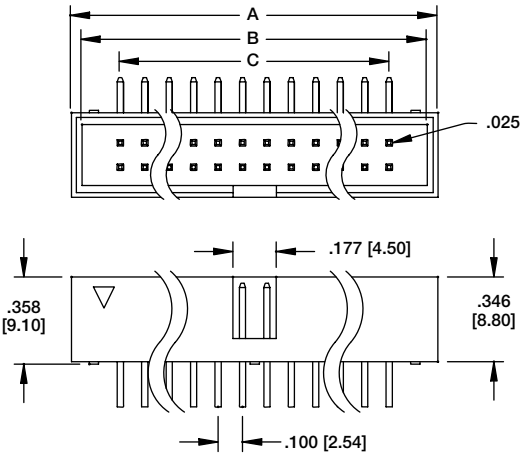
BHR
STRAIGHT PCB MOUNT



BHR-34-VUA



Recommended PCB Layout



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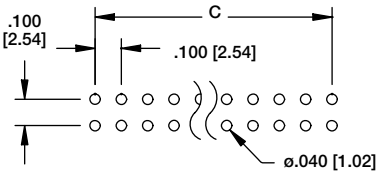
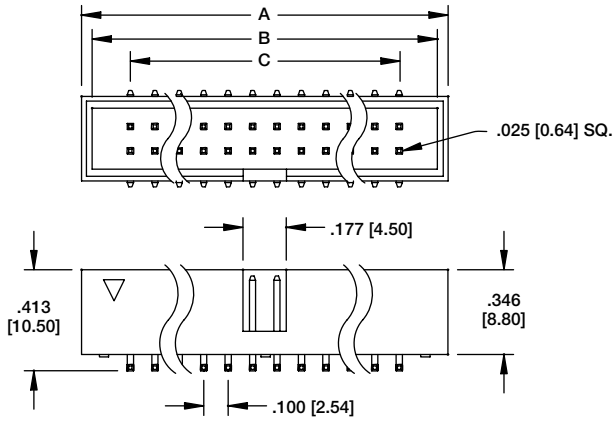
C = .100 [2.54] X No. of Spaces

BHR
RIGHT ANGLE PCB MOUNT

BHR-34-HUA



Recommended PCB Layout



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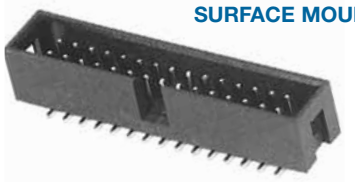
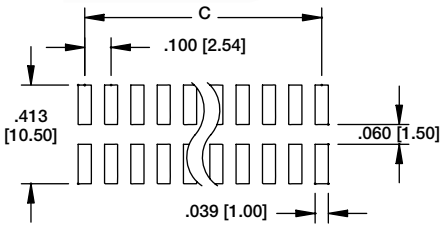
BHR
SURFACE MOUNT



BHR-30-VSG-SMT



Recommended PCB Layout

.100" BOX HEADER W/LATCHES

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

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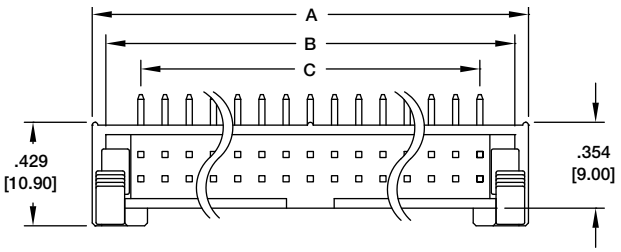
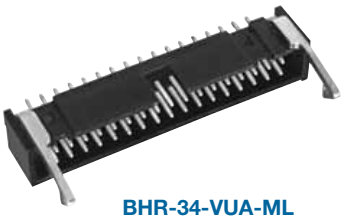
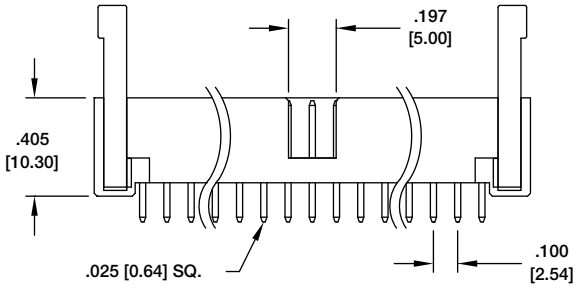
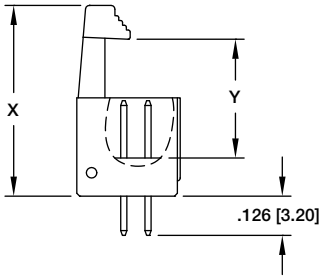
BHR
STRAIGHT MOUNT BOX HEADER WITH LATCHES





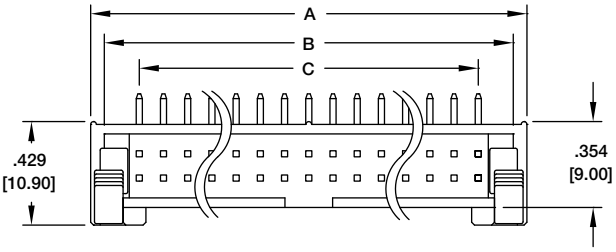
BHR-34-VUA-ML

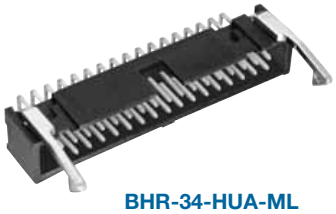




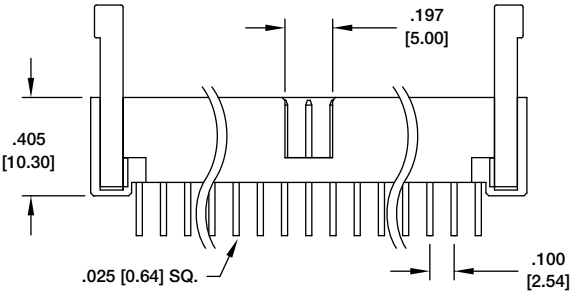
= .100 [2.54] X No. of Positions /2 + .301 [7.66]
= .100 [2.54] X No. of Positions /2 + .189 [4.80]
= .100 [2.54] X No. of Positions /2 -1

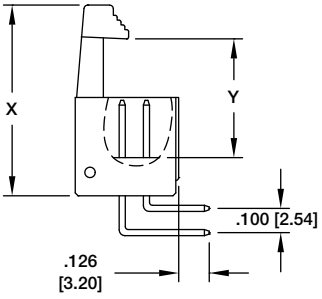
BHR
RIGHT ANGLE MOUNT BOX HEADER WITH LATCHES





BHR-34-HUA-ML





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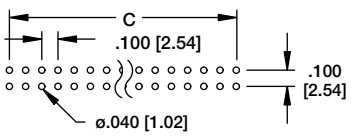

Recommended PCB Layout

LATCH TYPE	DIMENSIONS	
	X	Y
LONG LATCH (-LL)	1.035 [26.30]	.575 [14.60]
SHORT LATCH (-SL)	.901 [22.90]	.417 [10.60]