

### INTRODUCTION:

Adam Tech BHRE Series Elevated Box Headers provide all of the advantages of our standard Box Headers such as our Low Profile design, snug fit & polarized mating but have additional plastic insulators in place to stabilize rows of pins for stacking applications. This series is available in Straight, Right Angle & SMT mounting with standard or customer specified Stacking Heights and PCB tail lengths.

### FEATURES:

Elevated for Stacking applications  
Low Profile design  
Straight, Right Angle & SMT mounting options  
Standard or customer specified Stacking Heights & PCB tail lengths

### MATING SOCKETS:

Adam Tech .100" X .100" dual row IDC sockets

### SPECIFICATIONS:

#### Material:

Insulator: PBT, glass reinforced, 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 mΩmax. initial  
Insulation resistance: 5000 MΩmin.  
Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Mating durability: 500 cycles min.

#### Temperature Rating:

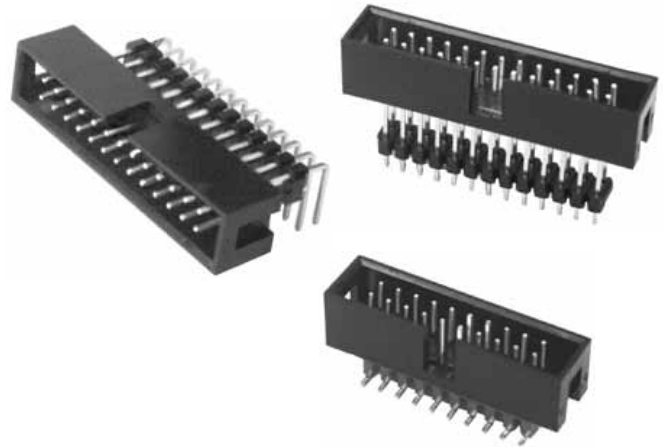
Operating temperature: -40°C to +105°C

#### PACKAGING:

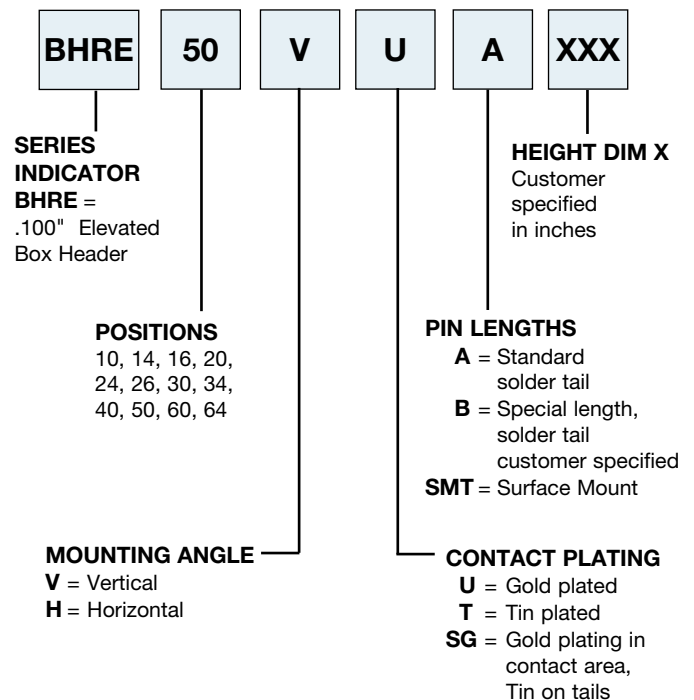
Anti-ESD plastic trays

#### SAFETY AGENCY APPROVALS:

UL Recognized & CSA Certified, File no. E224053



### ORDERING INFORMATION



### OPTIONS:

Add designator(s) to end of part number

**30** = 30u" Gold on 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)

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

.025 [0.64] SQ.  
 .356 [9.05]  
 .177 [4.50]  
 .346 [8.80]  
 .346 [8.80]  
 .130 [3.30]  
 .100 [2.54]

**BHRE**  
**ELEVATED STRAIGHT**  
**PCB MOUNT**

**BHRE-26-VUA-.477**

$C$   
 .100 [2.54]  
 $\phi .040 [1.02]$

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

.025 [0.64] SQ.  
 .133 [3.40]  
 .356 [9.05]  
 .177 [4.50]  
 .346 [8.80]  
 .356 [9.05]  
 .346 [8.80]  
 .153 [3.90]  
 .100 [2.54]  
 .218 [5.55]

**BHRE**  
**ELEVATED RIGHT ANGLE**  
**PCB MOUNT**

**BHRE-26-HUA-.477**

$C$   
 .100 [2.54]  
 $\phi .040 [1.02]$

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

.025 [0.64] SQ.  
 .346 [8.80]  
 .177 [4.50]  
 .346 [8.80]  
 .374 [9.50]

**BHRE**  
**ELEVATED SMT**

**BHRE-20-VU-SMT-.477**

$C$   
 .100 [2.54]  
 .413 [10.50]  
 .060 [1.50]  
 .039 [1.00]