

#### INTRODUCTION

Adam Tech HBHR Series .050" Box Headers are fine pitched, dual row shrouded headers 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:

- Shrouded, insulated connection
- 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 RECEPTACLES:

Mates with all industry standard .050" [1.27mm] pitch dual row IDC sockets

#### SPECIFICATIONS:

##### Material:

Standard insulator: PBT, glass reinforced, rated UL94V-0  
 Optional Hi-Temp insulator: Nylon 6T, rated UL94V-0  
 Insulator Color: Black  
 Contacts: Brass

##### Plating:

G = Gold flash (30u" optional) over nickel underplate overall  
 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: 500V AC for 1 minute

##### Temperature Rating:

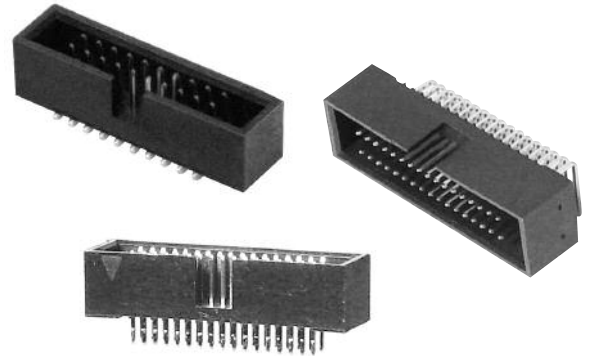
Operating temperature: -40°C to +105°C  
 Soldering process temperature: 260°C

##### PACKAGING:

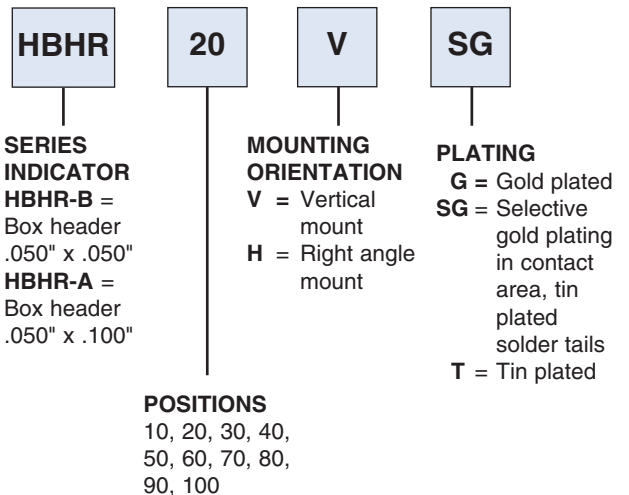
Anti-ESD plastic trays

##### APPROVALS AND CERTIFICATIONS:

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



#### ORDERING INFORMATION



This series is available in an elevated version similar to our BHRE Series as shown on pgs. 260-261

#### OPTIONS:

- Add designator(s) to end of part number
  - 30** = 30 μin gold plating in contact area
  - SMT** = Surface mount leads with Hi-Temp insulator for Hi-Temp soldering processes up to 260°C
  - 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