

INTRODUCTION:

Adam Tech 2BHR Series 2.0mm Box Headers are 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 SOCKETS:

Adam Tech .079" [2.0mm] X .079" [2.0mm] dual row IDC sockets

SPECIFICATIONS:

Material:

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

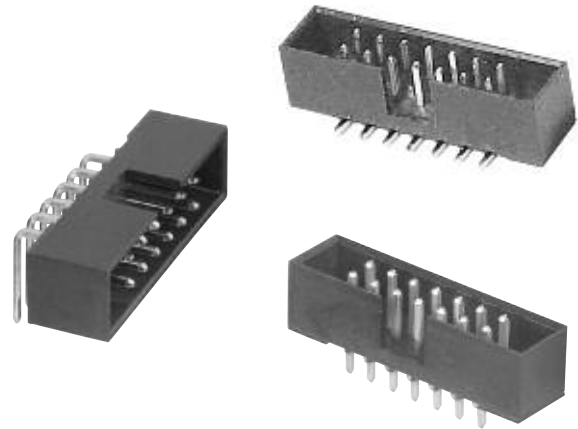
Operating temperature: -40°C to +105°C
Soldering process temperature:
Standard insulator: 235°C
Hi-Temp insulator: 260°C

PACKAGING:

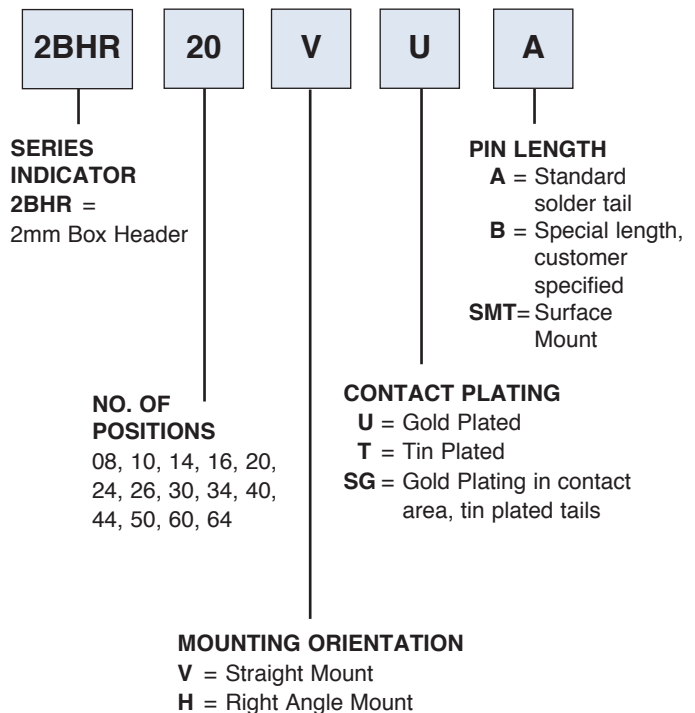
Anti-ESD plastic trays

APPROVALS AND CERTIFICATIONS:

UL Recognized & CSA Certified,
File no. E224053



ORDERING INFORMATION



This series is available in an elevated version similar to our BHRE Series as shown on pgs. 302-303

OPTIONS:

Add designator(s) to end of part number
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)

A = .079 [2.00] X No. of Spaces + .362 [9.20]
 B = .079 [2.00] X No. of Spaces

2BHR-STRAIGHT

2BHR-14-VUA

Recommended PCB Layout

A = .079 [2.00] X No. of Spaces + .362 [9.20]
 B = .079 [2.00] X No. of Spaces

2BHR-RIGHT ANGLE

2BHR-14-HUA

Recommended PCB Layout

A = .079 [2.00] X No. of Spaces + .362 [9.20]
 B = .079 [2.00] X No. of Spaces

2BHR-SMT

2BHR-14-VUA-SMT

Recommended PCB Layout