# **ADAM TECH**

# Adam Technologies, Inc.

# 2.00mm BOX HEADERS

.079" [2.00] CENTERLINE 2BHR SERIES

#### 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 m $\Omega$  max. initial Insulation resistance: 5000 M $\Omega$  min.

Dielectric withstanding voltage: 1000V AC for 1 minute

#### Mechanical:

Mating durability: 500 cycles min.

### **Temperature Rating:**

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

Soldering process temperature: Standard insulator: 235°C Hi-Temp insulator: 260°C

#### **PACKAGING:**

Anti-ESD plastic trays

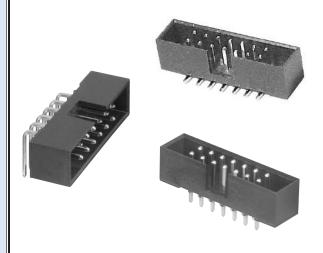
# **APPROVALS AND CERTIFICATIONS:**

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

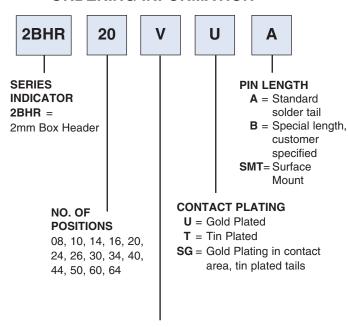








# **ORDERING INFORMATION**



## **MOUNTING ORIENTATION**

V = Straight MountH = Right Angle Mount

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

**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)