

### INTRODUCTION:

Adam Tech MHR Series .100" pitch Latch Headers are dual row, PCB mounted, shrouded headers with latches for use with dual row IDC female socket connectors. In addition to providing a shock and vibration proof connection the locking latches also act as ejectors to remove the mating socket. Our low profile, space saving design has a center slot for the socket's polarization bump. Adam Tech's Latch Headers are available in Straight PCB Mount, Right Angle PCB and SMT Mounting. Plating options include choice of Gold, Tin or Selective Gold

### FEATURES:

Integral Latches provide Shock and Vibration Proof connection  
Slot for IDC socket Polarization bump  
Straight PCB, Right Angle PCB and SMT versions  
Gold, Tin or Selective Gold plating  
Elevated option available  
Hi-Temp insulator available

### MATING SOCKETS:

.100" X .100" Dual row IDC sockets

### SPECIFICATIONS:

#### Material:

Insulator: PBT, glass reinforced, rated UL94V-0  
Insulator Color: Black (Gray optional)  
Contacts: Brass

#### Plating:

U = Gold over nickel underplate overall  
SG = Gold over nickel on contact area,  
Tin over copper underplate on tails.  
T = Tin over copper underplate overall

#### Electrical:

Operating voltage: 250V AC max.  
Current rating: 3 Amps 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:

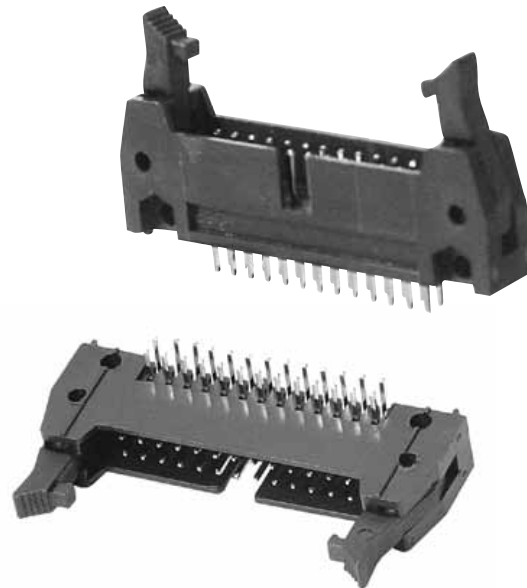
Operating temperature: -40°C to +105°C

#### PACKAGING:

Anti-ESD plastic trays

#### SAFETY AGENCY APPROVALS:

UL Recognized & CSA Certified, File no. E224053



### ORDERING INFORMATION



#### SERIES INDICATOR

**MHR** = .100" Shrouded Header with Latches

#### POSITIONS

10, 14, 16, 20, 24, 26, 30, 34, 40, 50, 60, 64

#### MOUNTING ANGLE

**V** = Straight Mount  
**H** = Right Angle Mount

#### LATCHING FEATURES

**S** = Short latches (for sockets w/o strain relief)  
**L** = Long latches (for sockets w/strain relief)  
**N** = No latches

#### PIN LENGTHS

**A** = Standard length solder tail  
**B** = Special length, customer specified

#### CONTACT PLATING

**U** = Gold plated  
**SG** = Gold plating in contact area, Tin plated solder tails  
**T** = Tin plated

This series is available in an elevated version similar to our BHRE Series as shown on pgs. 322-323

#### OPTIONS:

Add designator(s) to end of part number

**GY** = Gray color insulator

**HT** = High-temp insulator for high-temp soldering processes

**MHR STRAIGHT PCB MOUNT**

A = .100 [2.54] x No. of Spaces + .860 [21.84]  
 B = .100 [2.54] x No. of Spaces + .460 [11.68]  
 C = .100 [2.54] x No. of Spaces

**MHR-26-VUAL**

**Latch Options**

Header with Short Ejector/Latch for Sockets without Strain Reliefs

Header with Long Ejector/Latch for Sockets with Strain Reliefs

**MHR RIGHT ANGLE PCB MOUNT**

A = .100 [2.54] x No. of Spaces + .860 [21.84]  
 B = .100 [2.54] x No. of Spaces + .460 [11.68]  
 C = .100 [2.54] x No. of Spaces

**MHR-26-HUAL**

**Recommended PCB Layout**