

INTRODUCTION:

Adam Tech MHR Series .100" 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 Mount. 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, rated UL94V-0
Insulator Color: Black (Gray optional)
Contacts: Brass

Plating:

U = Gold flash (30u" optional) over nickel underplate
SG = Gold flash (30u" optional) 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:

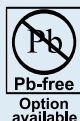
Operating temperature: -55°C to +105°C

PACKAGING:

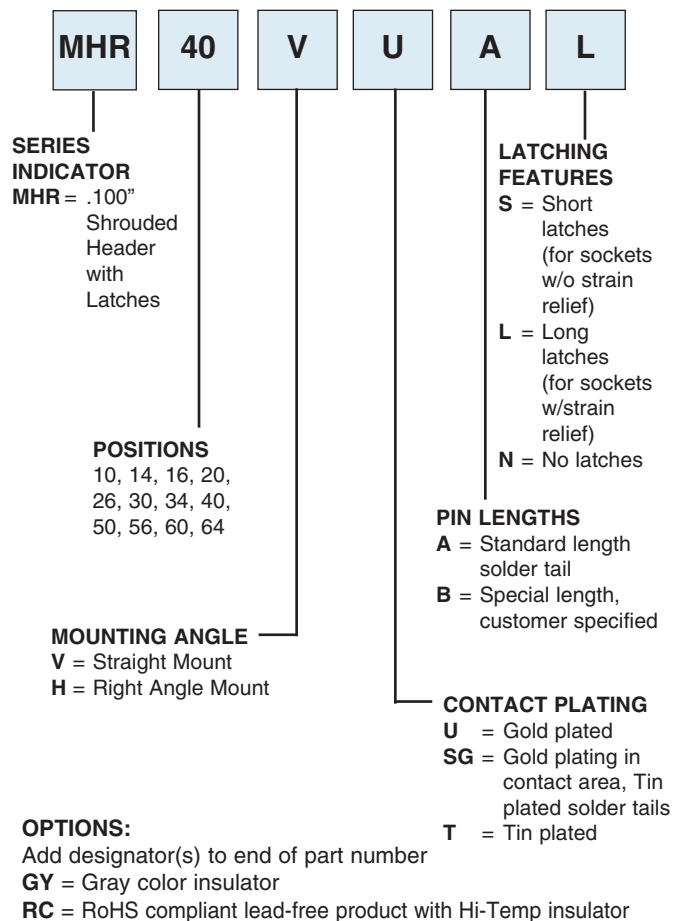
Anti-ESD plastic trays

SAFETY AGENCY APPROVALS:

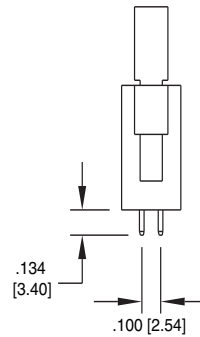
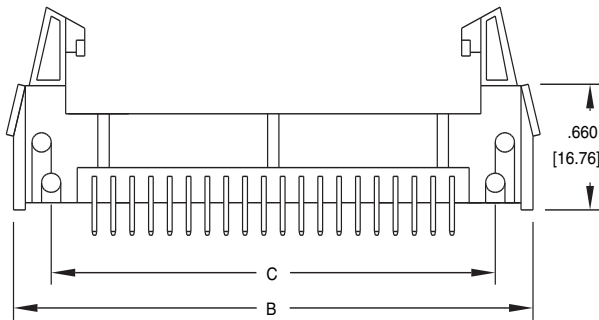
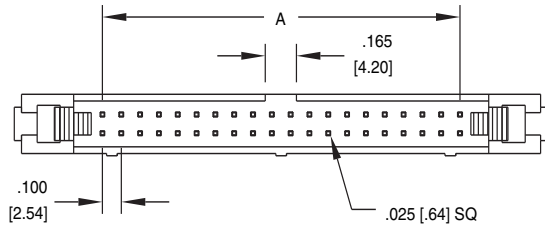
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CSA Certified File No. LR1578596



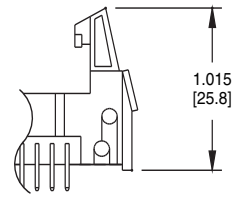
ORDERING INFORMATION



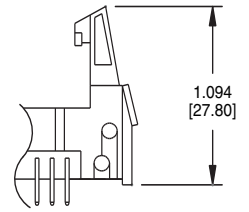
STRAIGHT MOUNT



Latch Options

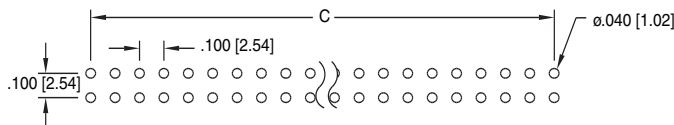
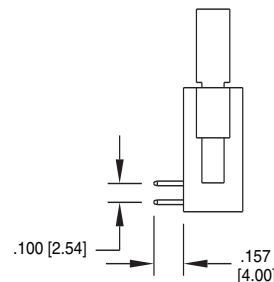
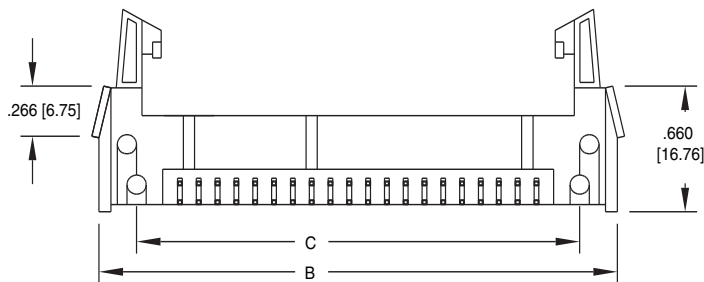
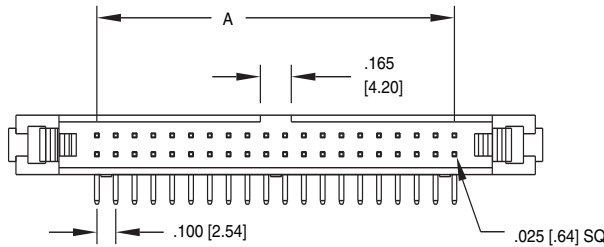


Header with Short Ejector/Latch for Sockets without Strain Reliefs



Header with Long Ejector/Latch for Sockets with Strain Reliefs

RIGHT ANGLE MOUNT



Recommended PCB Layout