.100" LATCH HEADER

.100" X .100" [2.54 X 2.54] CENTERLINE

MHR SERIES

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 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 flash (30u" optional) over nickel underplate overall
SG = Gold flash (30u" optional) over nickel on contact area, Tin over copper underplate on tails.
T = Tin over copper underplate overall

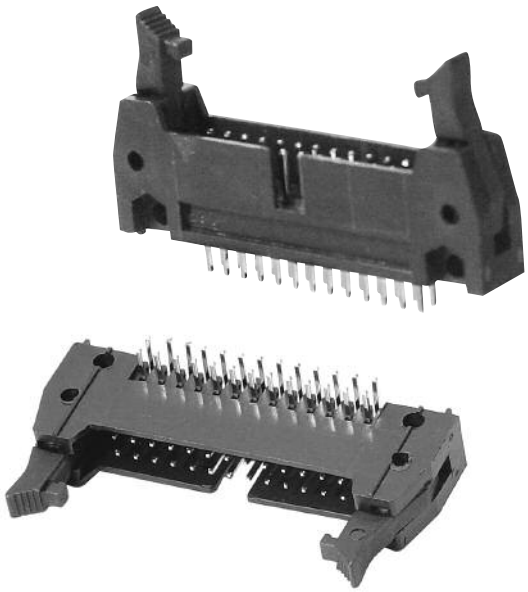
Electrical:
Operating voltage: 250V AC max.
Current rating: 3 Amps max
Contact resistance: 20 mΩ max. initial
Insulation resistance: 5000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Mating durability: 500 Cycles min.

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

PACKAGING:
Anti-ESD plastic trays

SAFETY AGENCY APPROVALS:
UL Recognized File No. E224053
CSA Certified File No. LR1578596



ORDERING INFORMATION

MHR	40	V	U	A	L

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

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

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

PIN LENGTHS
A = Standard length solder tail
B = Special length, customer specified

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

OPTIONS:
Add designator(s) to end of part number
GY = Gray color insulator
HT = High-temp insulator for high-temp soldering processes

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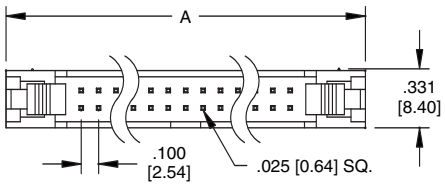
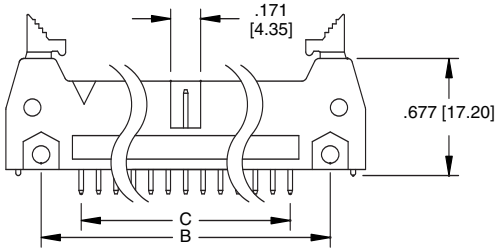
.100" X .100" [2.54 X 2.54] CENTERLINE

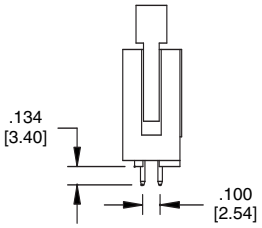
MHR SERIES

MHR
STRAIGHT PCB MOUNT

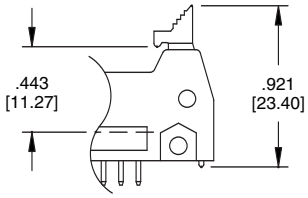


A = .100 [2.54] x No. of Spaces + .860 [21.84]
B = .100 [2.54] x No. of Spaces + .460 [11.68]
C = .100 [2.54] x No. of Spaces

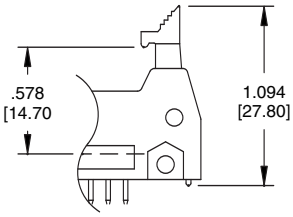




Latch Options

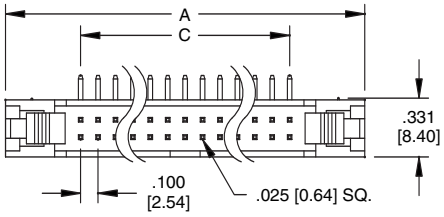


Header with Short Ejector/Latch for Sockets without Strain Reliefs



Header with Long Ejector/Latch for Sockets with Strain Reliefs

MHR
RIGHT ANGLE PCB MOUNT



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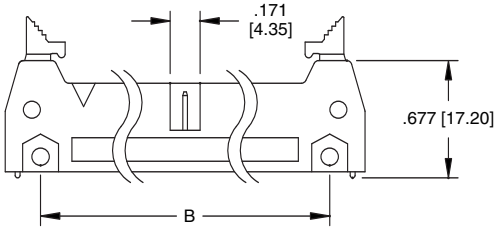

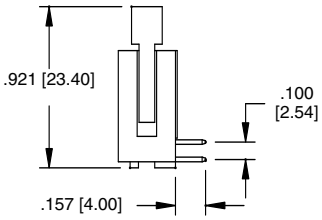

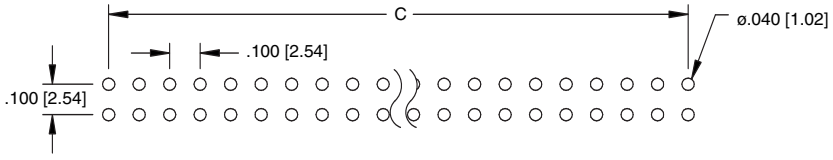

Recommended PCB Layout