

INTRODUCTION:

Adam Tech 2MHR Series 2mm 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:

2mm X 2mm 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: 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

PACKAGING:

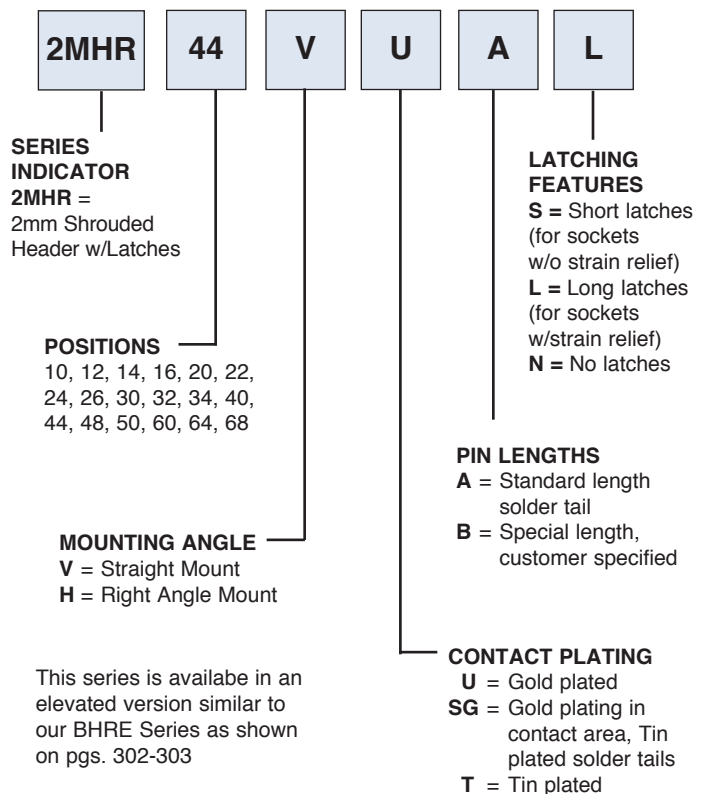
Anti-ESD plastic trays

SAFETY AGENCY APPROVALS:

UL Recognized & CSA Certified, File no. E224053



ORDERING INFORMATION



OPTIONS:

Add designator(s) to end of part number

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

LATCH DIMENSIONS		
	X	Y
LONG LATCH	.775 [19.70]	.452 [11.50]
SHORT LATCH	.665 [16.90]	.342 [8.70]

$A = .079 [2.00] \times \text{No. of Spaces} + .697 [17.70]$
 $B = .079 [2.00] \times \text{No. of Spaces}$

2MHR STRAIGHT PCB MOUNT

2MHR-34-VUAS

Recommended PCB Layout

LATCH DIMENSIONS		
	X	Y
LONG LATCH	.775 [19.70]	.452 [11.50]
SHORT LATCH	.665 [16.90]	.342 [8.70]

$A = .079 [2.00] \times \text{No. of Spaces} + .697 [17.70]$
 $B = .079 [2.00] \times \text{No. of Spaces}$

2MHR RIGHT ANGLE PCB MOUNT

2MHR-60-HUAS

Recommended PCB Layout

LATCH DIMENSIONS		
	X	Y
LONG LATCH	.775 [19.70]	.452 [11.50]
SHORT LATCH	.665 [16.90]	.342 [8.70]

$A = .079 [2.00] \times \text{No. of Spaces} + .697 [17.70]$
 $B = .079 [2.00] \times \text{No. of Spaces}$

2MHR VERTICAL SMT MOUNT

2MHR-40-HUAS

Recommended PCB Layout