

INTRODUCTION:

Adam Tech PLHB Power Latch Header Series is part of an interconnect system designed to attach discrete wires to PC Boards, primarily for power supply interface. The board mounted header features flat, rigid pins which form a high pressure, gas tight connection when mated with the latch housing. The header insulator has a latching mechanism which locks to the housing and a special keying system which can individually and uniquely polarize each header even with multiple headers on the same board.

FEATURES:

- 6 and 12 positions
- End-to-end stackable without position loss
- Molded-in keying system provides numerous keying combinations

MATING OPTIONS:

Adam Tech PLHB Header mates with our MTG housing and all other industry compatible connectors

SPECIFICATIONS:

Material:

Insulator: Nylon 6/6 glass-reinforced UL 94V-2

Insulator color: White

Contacts: Phosphor Bronze

Plating:

100 μ m bright tin plate to MIL-T-10727, Type 1 with 50 μ m copper underplate to MIL-C-14550

Electrical:

Operation voltage: 250 VAC max

Current rating: 20 Amps max

Contact resistance: 20 m Ω max

Insulation resistance: 5000 M Ω min @ 1000 VDC between adjacent contacts (75°F and 50% R.H.)

Dielectric withstanding voltage: 1500 VAC min rms (sea level)

Capacitance: 2 pF max

Mechanical:

Contact retention: 1.5 lbs. min

Insertion force: 12 ozs. per contact max

Withdrawal force: 0.6 oz. per contact min

Mating durability: 50 cycles min

Environmental:

Operating temperature: -65°C to +125°C

PACKAGING:

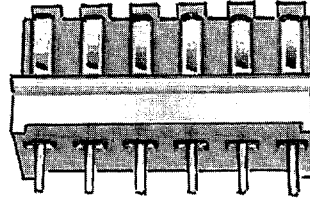
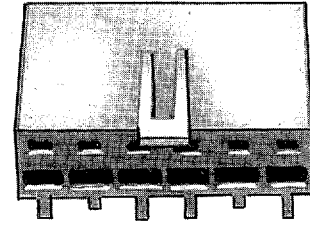
Pressed into anti-static foam sheets

APPROVALS AND CERTIFICATIONS:

Recognized under the component program

of Underwriters Laboratories, Inc. No. E167232

Certified by Canadian Standards Association No. LR75112



ORDERING INFORMATION

HEADER

PLHB

SERIES INDICATOR
PLHB = Power latch header

12

POSITIONS
6 or 12

TS

PLATING
TS = Tin plated
GS = Gold plated

HOUSING

MTG

SERIES INDICATOR
MTG = Crimp latch housing

06

NO. OF POSITIONS
06 = 6 positions

CRIMP CONTACT

MTGC

SERIES INDICATOR
MTGC = Crimp contact

R

NO. OF POSITIONS
R = 6,000 piece reel
B = 1,000 pieces loose cut

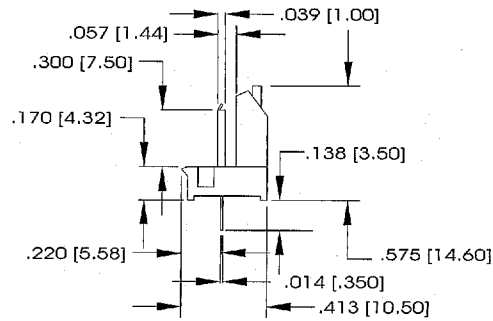
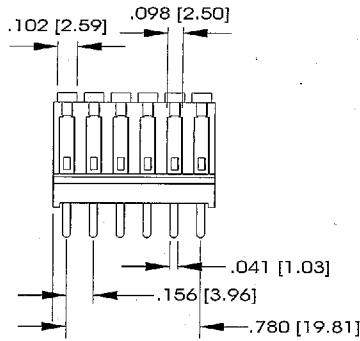
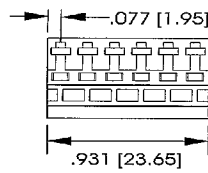
OPTIONS:

Add as suffix to basic part number

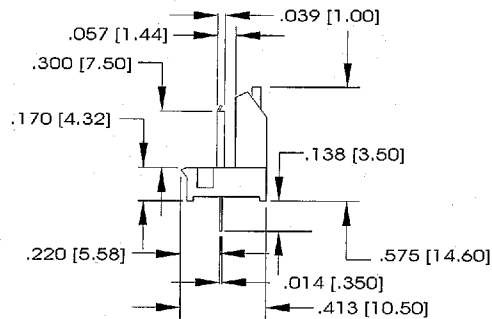
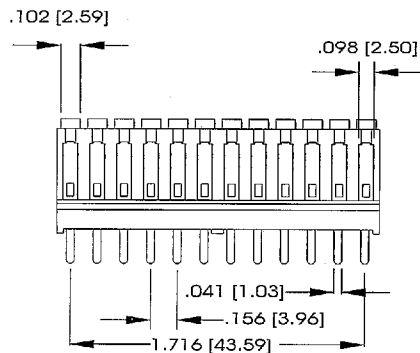
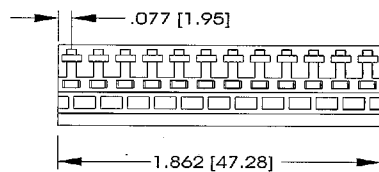
X = Removed contact for polarization, specify position

K = Key removed for orientation, specify position

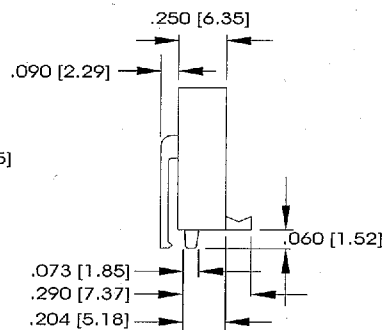
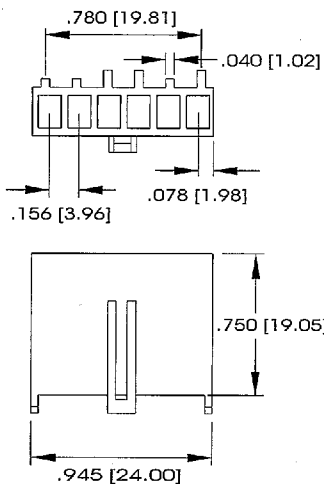
PLHB - 6



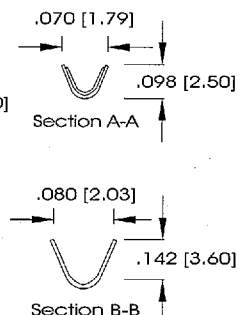
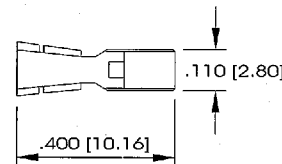
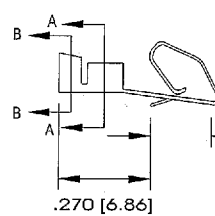
PLHB - 12



MTG Housing



MTGC Contact



901793 0000193 15T