# .100" HEADER & HOUSING CONNECTOR SYSTEM

## LHA, LHS, MTA & MTS SERIES

**INTRODUCTION:**
Adam Tech Friction Lock Header & Housing set was designed to attach wires to a PCB. This series features a friction locking header which mates to a polarized wire housing with crimp contacts. This set provides a secure, easy to mate connection with superior electrical characteristics.

**FEATURES:**
Precision .025" sq. posts
Secure friction lock
Polarized anti-vibration design
Available in 2 - 20 positions

**MATING CONNECTORS:**
All industry standard .100 centerline compatible latching headers and housings

**SPECIFICATIONS:**

**Material:**
Insulator: Nylon 66, rated UL94V-2
Insulator Color: White
Contacts: Phosphor bronze and Brass

**Contact Plating:**
Tin over copper underplate overall

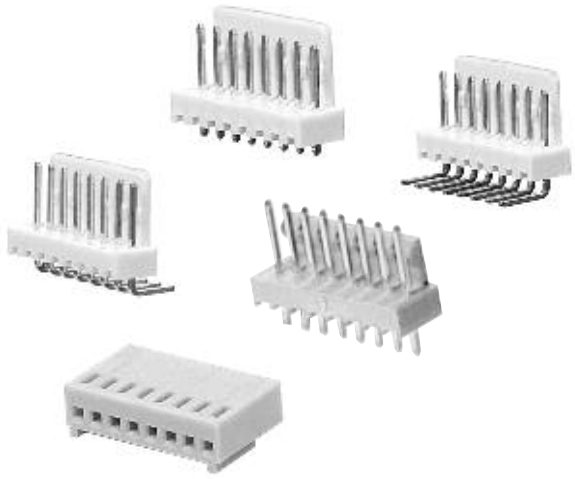
**Electrical:**
Operating voltage: 250V AC max.
Current rating: 3 Amps max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 500V AC for 1 minute

**Mechanical:**
Recommended wire size: 22 to 28 Awg with .059" O.D. insulation max.

**Temperature Rating:**
Operating temperature: -25°C to +85°C

**PACKAGING:**
Anti-ESD plastic bags

**SAFETY AGENCY APPROVALS:**
UL Recognized & CSA Certified, File no. E224053



## ORDERING INFORMATION

### FRICTION LOCK HEADER

**LHA** | **10** | **TS**

**SERIES INDICATOR**
**LHA** = Locking Header
**LHS** = Short Back Locking Header

**POSITIONS**
2 thru 20

**PIN ANGLE**
**TS** = Straight
**TRA** = Right Angle
**TRB** = Reverse Right Angle

### HOUSING

**MTA** | **10**

**SERIES INDICATOR**
**MTA** = Wire housing
**MTS** = Short back wire housing

**POSITIONS**
2 thru 20

### CRIMP CONTACT

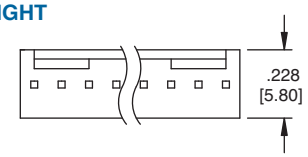
**MTA-C** | **R**

**SERIES INDICATOR**
**MTA-C** = Crimp contact
**MTS-C** = Crimp contact

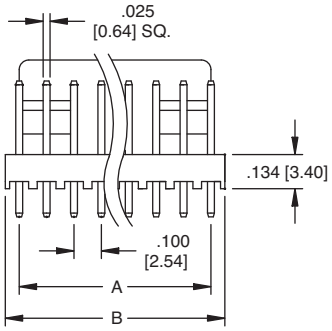
**PACKAGING**
**B** = 1,000 piece loose cut
**R** = 6,000 pieces on reel

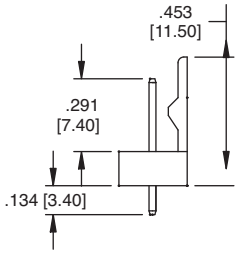
# .100" HEADER & HOUSING
## LHA & MTA SERIES

### LHA
### STRAIGHT

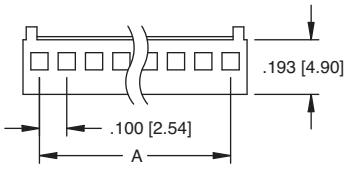



LHA-08-TS

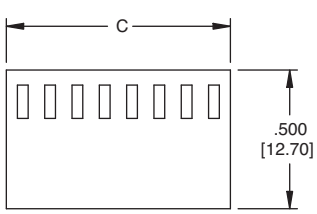


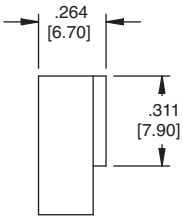




### MTA
### HOUSING

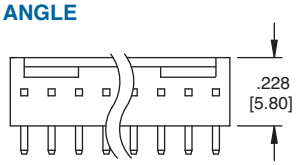



MTA-08

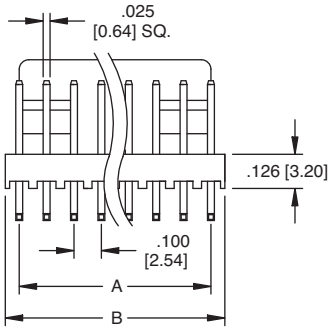


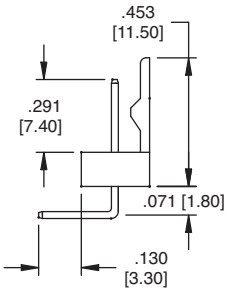




### LHA
### RIGHT ANGLE

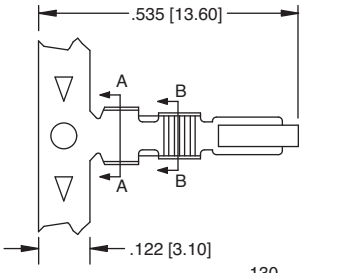


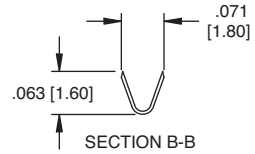

LHA-08-TRA

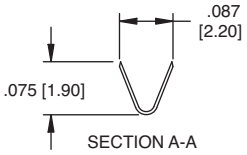


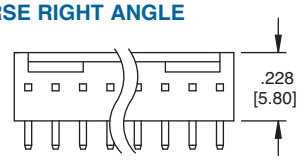

### MTA-C
### CONTACT



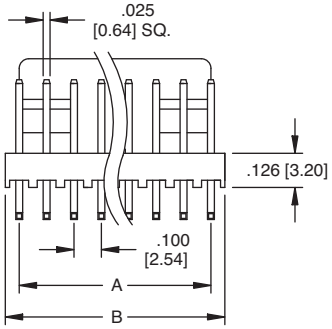



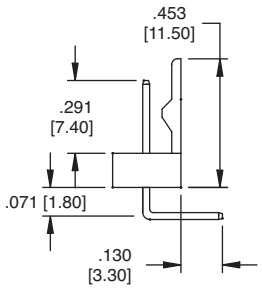



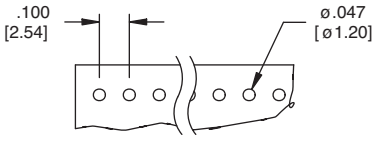

### LHA
### REVERSE RIGHT ANGLE




LHA-08-TRB




Recommended PCB Layout

A = .100 [2.54] x No. of Spaces
B = .100 [2.54] X No. of Spaces + .100 [2.54]
C = .100 [2.54] X No. of Spaces + .122 [3.11]

# .100" HEADER & HOUSING
## LHS & MTS SERIES

### LHS
**STRAIGHT PCB MOUNT**

LHS-08-TS




A = .100 [2.54] x No. of Spaces
B = .100 [2.54] X No. of Spaces + .104 [2.65]

### MTS
**HOUSING**

MTS-08




A = .100 [2.54] x No. of Spaces
B = .100 [2.54] X No. of Spaces + .104 [2.65]

### LHS
**RIGHT ANGLE PCB MOUNT**

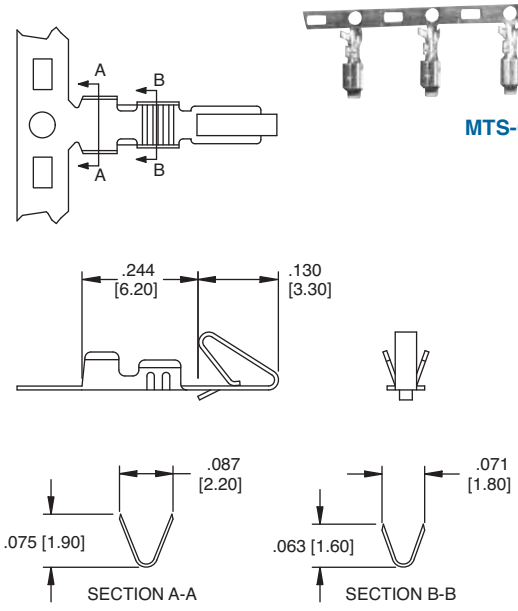
LHS-08-TRA

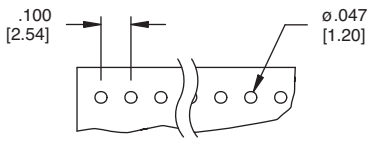



A = .100 [2.54] x No. of Spaces
B = .100 [2.54] X No. of Spaces + .104 [2.65]

### MTS-C
**CRIMP CONTACTS**

MTS-C-R




Recommended PCB Layout

A = .100 [2.54] x No. of Spaces
B = .100 [2.54] X No. of Spaces + .104 [2.65]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