INTRODUCTION:
Adam Tech's Latching Header & Housing sets were 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
FRICITION LOCK HEADER
- 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 = Wire housing
- MTS = Short back wire housing
- POSITIONS
  - 2 thru 20

CRIMP CONTACT
- MTA-C = Crimp contact
- MTS-C = Crimp contact
- PACKAGING
  - B = 1,000 piece loose cut
  - R = 6,000 pieces on reel
A = \(0.100 \ [2.54] \times \text{No. of Spaces}\)

B = \(0.100 \ [2.54] \times \text{No. of Spaces} + 0.100 \ [2.54]\)

C = \(0.100 \ [2.54] \times \text{No. of Spaces} + 0.122 \ [3.11]\)

Recommended PCB Layout

A = \(0.100 \ [2.54] \times \text{No. of Spaces}\)

B = \(0.100 \ [2.54] \times \text{No. of Spaces} + 0.100 \ [2.54]\)

C = \(0.100 \ [2.54] \times \text{No. of Spaces} + 0.122 \ [3.11]\)
### 0.100" HEADER & HOUSING SETS

#### .100" [2.54] CENTERLINE SINGLE & DUAL ROW

**LHS & MTS SERIES**

### LHS STRAIGHT PCB MOUNT

- **A** = 0.100 [2.54] x No. of Spaces
- **B** = 0.100 [2.54] X No. of Spaces + 0.104 [2.65]

### MTS HOUSING

- **A** = 0.100 [2.54] x No. of Spaces
- **B** = 0.100 [2.54] X No. of Spaces + 0.104 [2.65]

### LHS RIGHT ANGLE PCB MOUNT

- **A** = 0.100 [2.54] x No. of Spaces
- **B** = 0.100 [2.54] X No. of Spaces + 0.104 [2.65]

### MTS-C CRIMP CONTACTS

- **A** = 0.100 [2.54] x No. of Spaces
- **B** = 0.100 [2.54] X No. of Spaces + 0.104 [2.65]

### Recommended PCB Layout

- **A** = 0.100 [2.54] x No. of Spaces
- **B** = 0.100 [2.54] X No. of Spaces + 0.104 [2.65]