.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

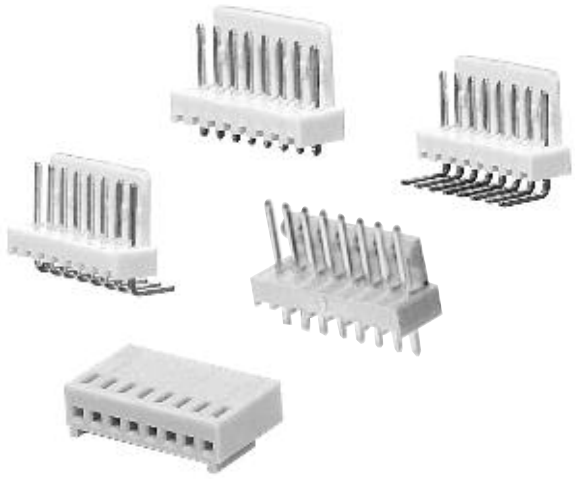
Electrical:
Operating voltage: 250V AC max.
Current rating: 3 Amps max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 500V AC for 1 minute

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

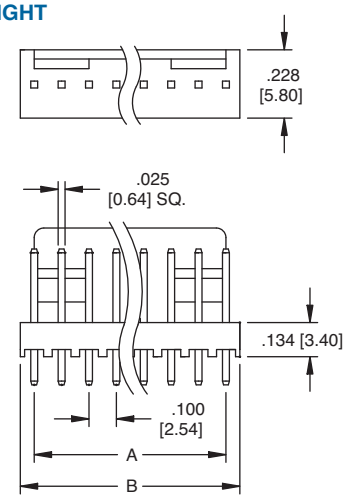
MTA-C | **R**

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

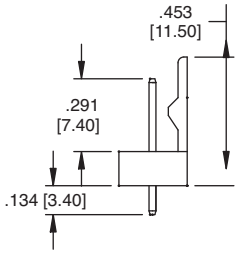
PACKAGING
B = 1,000 piece loose cut
R = 6,000 pieces on reel

.100" HEADER & HOUSING
LHA & MTA SERIES

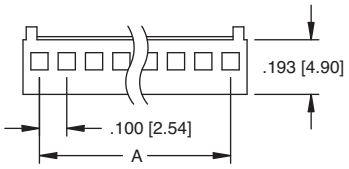
LHA
STRAIGHT



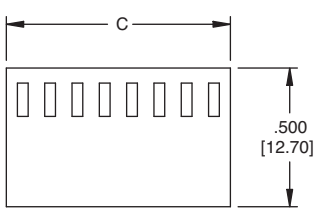
LHA-08-TS

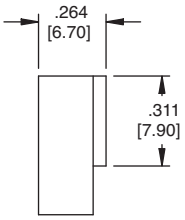


MTA
HOUSING

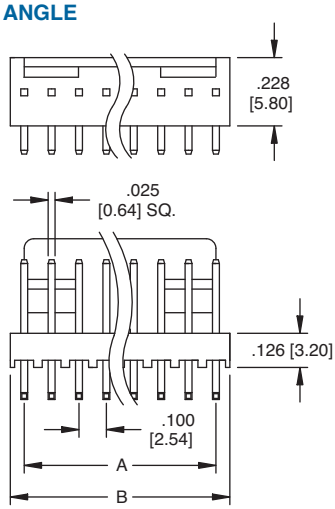


MTA-08

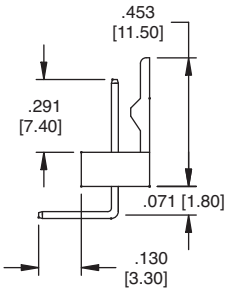




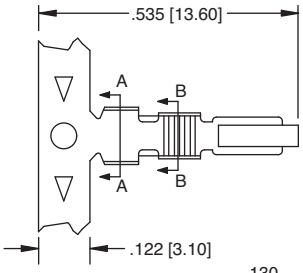
LHA
RIGHT ANGLE

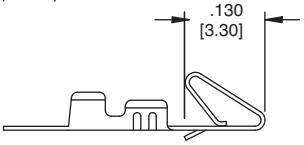


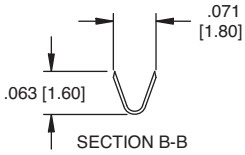
LHA-08-TRA

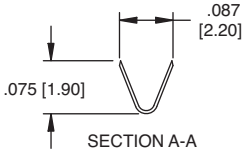


MTA-C
CONTACT

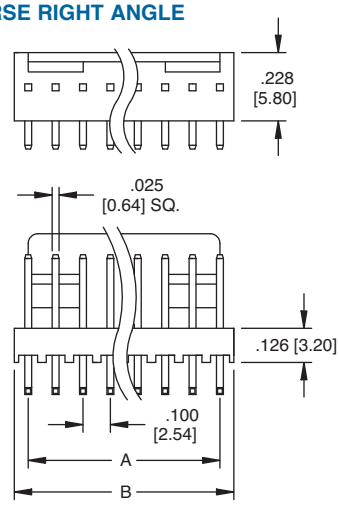




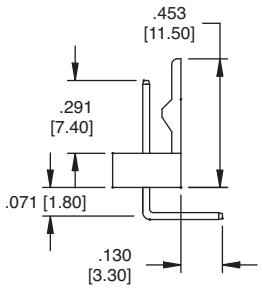


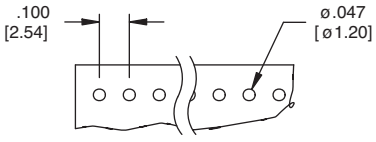


LHA
REVERSE RIGHT ANGLE



LHA-08-TRB





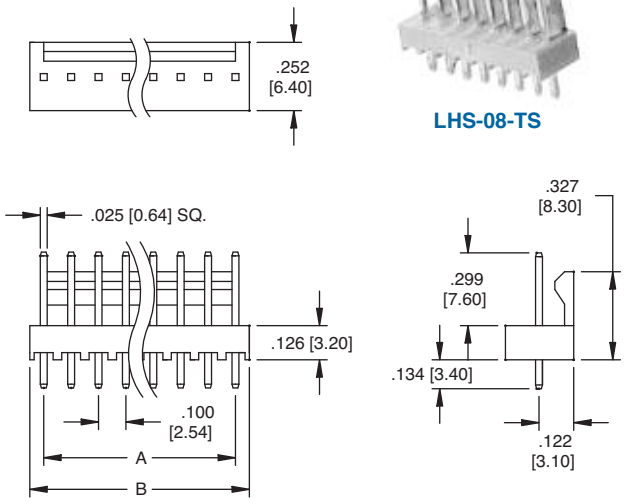
Recommended PCB Layout

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

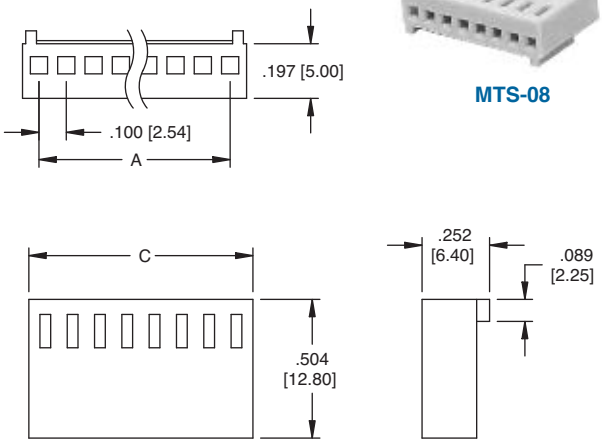
LHS-08-TS



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

MTS
HOUSING

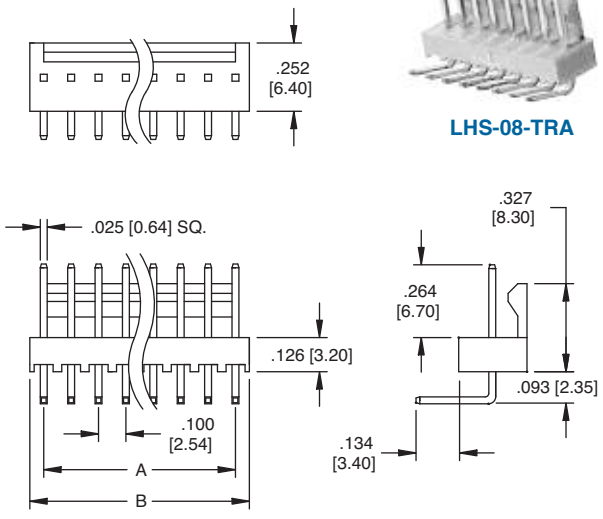
MTS-08



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



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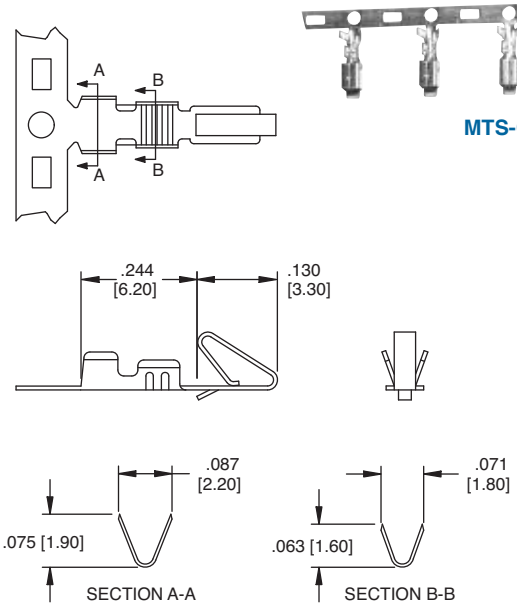
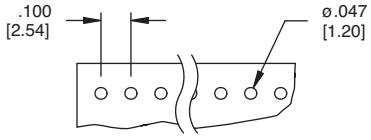
B = .100 [2.54] X No. of Spaces + .104 [2.65]

MTS-C
CRIMP CONTACTS

MTS-C-R





Recommended PCB Layout

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