WIRE TO BOARD CONNECTORS

.165" [4.20] CENTERLINES

DMH & DMF SERIES

INTRODUCTION:
Adam Tech DMH & DMF Series Power Connectors consist of a receptacle and plug set in a variety of single and multiple row configurations with 165" centerlines. They are manufactured of Nylon 6/6 with a flammability rating of UL94V-2 or UL94V-0. This series is designed as a mated set with a PCB mounted header and a wire mounted socket which securely latches to header when mated. Our specially designed bodies provide polarization to eliminate mismating and our latching system resists heavy vibration. PCB mounted headers have molded pegs which align and brace the PCB tails for trouble free assembly and use.

FEATURES:
High current rating
Polarized and Positive locking
Vibration resistant
Compatible with Wide Range of wires
Industry standard compatible

SPECIFICATIONS:

Material:

Insulator: Nylon 66, rated UL94V-2
Insulator Color: Natural or Black
Contacts: Brass, tin plated

Electrical:

Operating voltage: 300V AC / DC max.
Current Rating: 5 Amps max
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1500V AC for 1 minute

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
FEMALE WIRE HOUSING

DMH	08
SERIES INDICATOR **DMH** = 4.2mm Pitch	**POSITIONS** 02 THRU 24

ORDERING INFORMATION
MALE PCB HOUSING

DMF	24	S	F
SERIES INDICATOR **DMF** = PCB Male	**POSITIONS** **02 Thru 24** (Evenly numbered)	**MOUNTING** **S** = Straight PCB Mount **R** = Right Angle PCB Mount **W** = Crimp Housing	**FLANGES** **(Right Angle Only)** **Blank** = Straight Type **F** = With Flange (Right Angle Only) **N** = Without Flange

OPTIONS:
Add designator(s) to end of part number
P = PCB Peg

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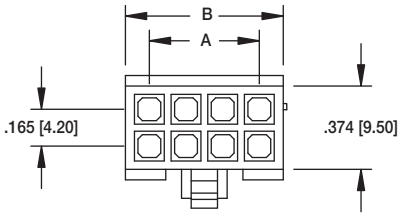
WIRE TO BOARD CONNECTORS

.165" [4.20] CENTERLINES

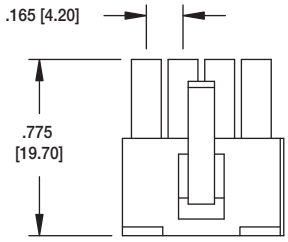
DMH & DMF SERIES

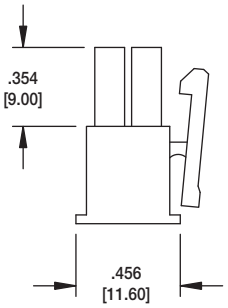
DMH

CRIMP HOUSING

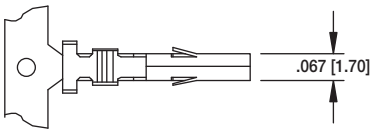


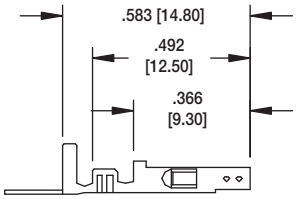
DMH-12





DIMENSIONS:
A = .165 [4.20] X No. of Position /2 -1
B = .165 [4.20] X No. of Positions / 2 + .055 [1.40]



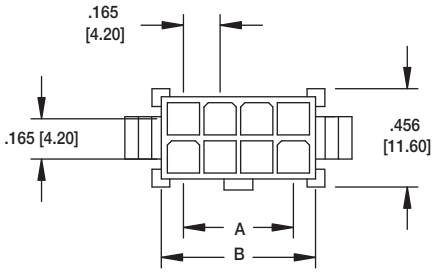


DMH CRIMP CONTACT

PART #	WIRE AWG
DMH-A-C-F-R	22 ~ 24
DMH-B-C-F-R	18 ~ 22
DMH-C-C-F-R	16 ~ 18

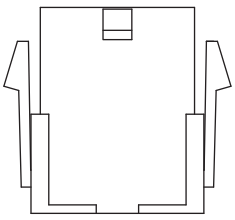
DMF

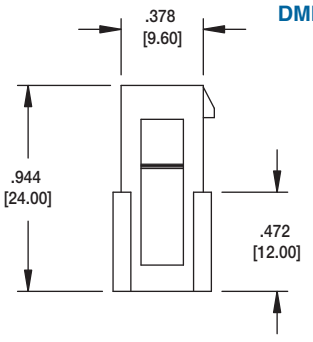
CRIMP HOUSING



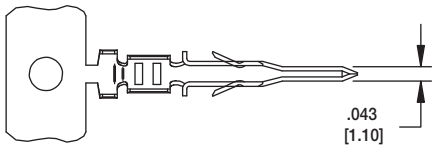
DMF-06-W

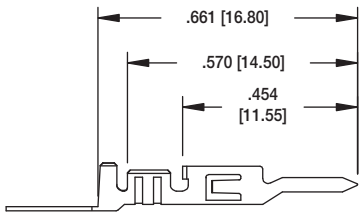
DMF-12-W





DIMENSIONS:
A = .165 [4.20] X No. of Position /2 -1
B = .165 [4.20] X No. of Positions / 2 + .055 [1.40]





DMF CRIMP CONTACT

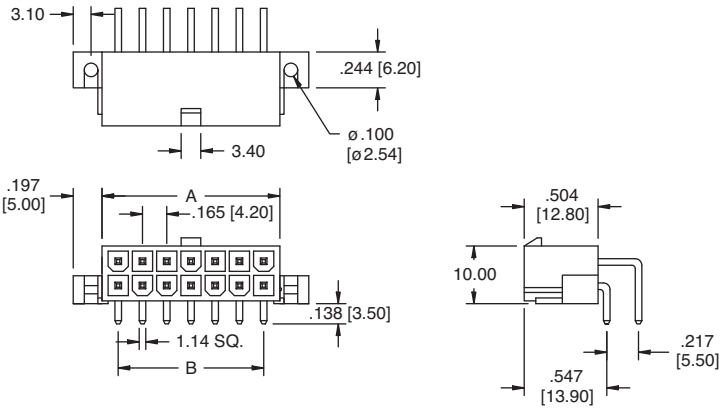
PART #	WIRE AWG
DMF-A-C-M-R	22 ~ 24
DMF-B-C-M-R	18 ~ 22

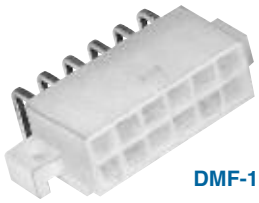
WIRE TO BOARD CONNECTORS

.165" [4.20] CENTERLINES

DMH & DMF SERIES

DMF
RIGHT ANGLE
WITH FLANGE

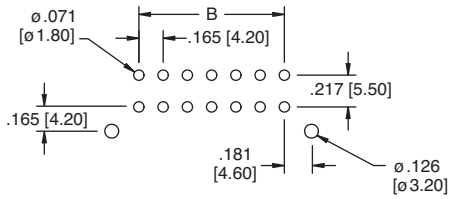




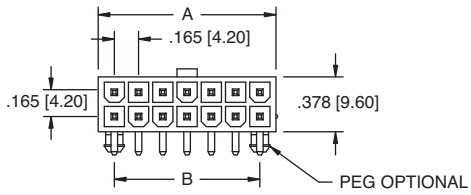
DMF-12-R-F

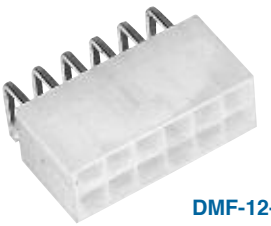
A = .165 [4.20] x No. of Positions + .213 [5.40]
B = .165 [4.20] x No. of Spaces

Recommended PCB Layout

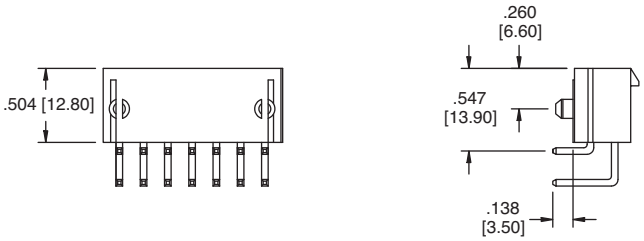


DMF
RIGHT ANGLE
WITHOUT FLANGE



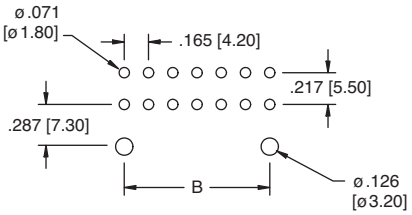


DMF-12-R-N

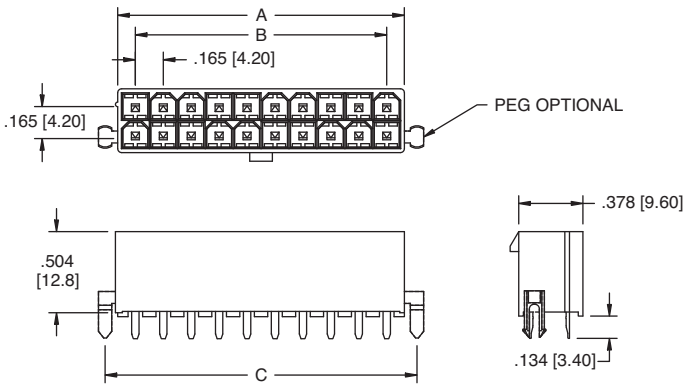


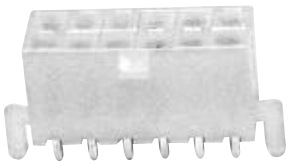
A = .165 [4.20] x No. of Positions + .213 [5.40]
B = .165 [4.20] x No. of Spaces

Recommended PCB Layout



DMF
STRAIGHT MOUNT
WITH PEG

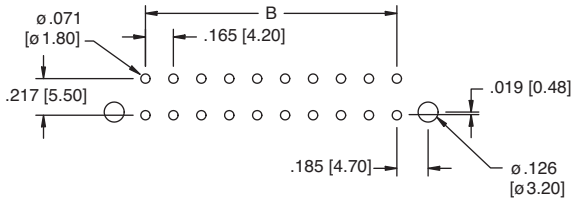




DMF-12-S-P

A = .165 [4.20] x No. of Positions + .213 [5.40]
B = .165 [4.20] x No. of Spaces

Recommended PCB Layout



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ADAM TECH
Adam Technologies, Inc.

DISK DRIVE CONNECTORS

.200" [5.08] CENTERLINE

DDC SERIES

INTRODUCTION:
Adam Tech Disk Drive Series connectors are so named for their original use in Disk Drives. Their familiar and reliable performance continues to make them a popular two piece connector interface for many other applications. This series offers both a wire mounted male and a PCB mounted header in straight or right angle mount. These mate to one of two types of wire mounted female housings. One with preloaded IDC contacts and the second with contacts crimped to wire and inserted into the blank female housing. Made with sturdy, precision engineered contacts they provide a high reliability, polarized, secure locking connector design.

FEATURES:
Secure locking, Polarized design
Wire to wire or Wire to board option
High reliability contacts
5 amp current rating

MATING CONNECTORS:
This series mates with all industry standard disk drive connectors

SPECIFICATIONS:

Material:

Insulator: Nylon 66, rated UL94V-2
Insulator Color: Natural
Contacts: Brass, tin plated

Electrical:

Operating voltage: 250V AC / DC max.
Current rating: 5 Amps max
Contact resistance: 20 mΩ max. Initial
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1500V AC for 1 minute

Mechanical:

Insertion force: 4 lbs max
Withdrawal force: 1.5 lbs min
Mating durability: 500 Cycles min.

Temperature Rating:

Operating temperature: -25°C to +85°C

PACKAGING:
Anti-ESD plastic bags
Contacts: 7000 pcs on reel

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

ORDERING INFORMATION

DDH — **04**

SERIES INDICATOR
DDH = Male, wire mount housing
DDF = Female, wire mount housing
DDS = Male, straight PC Board Mount
DDR = Male, right angle PC Board Mount
DFW = Female with Discrete IDC contacts
DFW-B = Cover, end mount
DFW-C = Cover, feed-thru

POSITIONS
02 = 2 Positions
03 = 3 Positions
04 = 4 Positions

CRIMP CONTACT

DMC — **01** — **R**

CONTACT TYPE
DMC = Male crimp contact
DFC = Female crimp contact

WIRE SIZE
01 = 22-18 AWG

PACKAGING
R = 7,000 piece reel

DISK DRIVE CONNECTORS

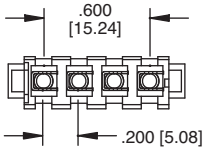
.200" [5.08] CENTERLINE

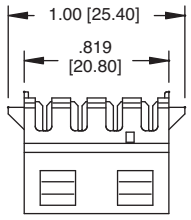
DDC SERIES

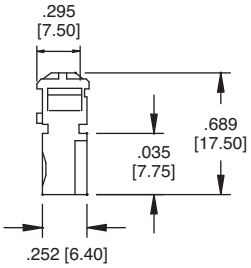
DFW

FEMALE DISCRETE WIRE IDC CONNECTOR

DFW-04



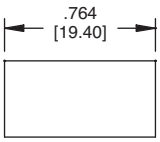


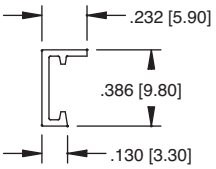


DFW-B

END MOUNT COVER

DFW-B-04

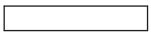


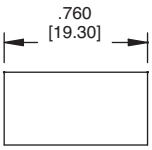


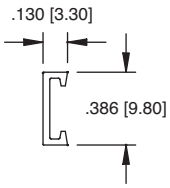
DFW-C

FEED THRU COVER

DFW-C-04



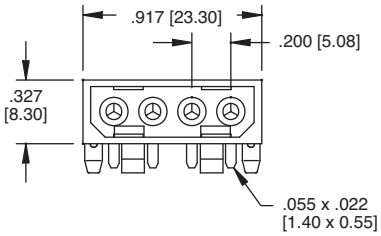


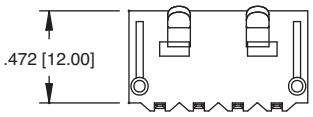


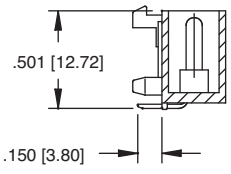
DDR

MALE RIGHT ANGLE PCB MOUNT

DDR-04



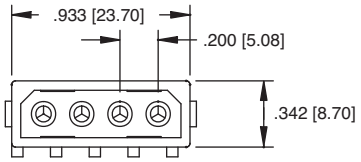


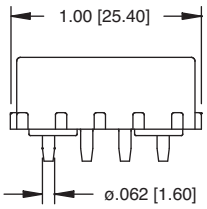


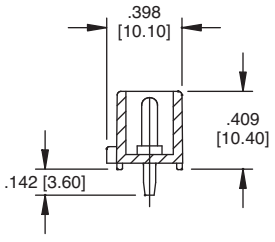
DDS

MALE STRAIGHT PCB MOUNT

DDS-04







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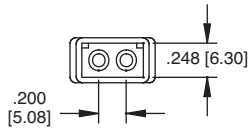
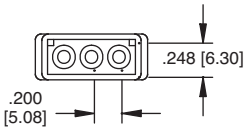
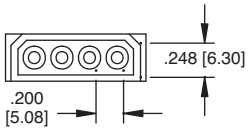
.200" [5.08] CENTERLINE

DDC SERIES

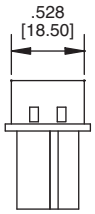
DDH
MALE HOUSING



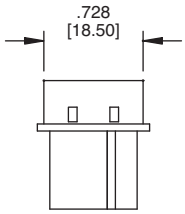




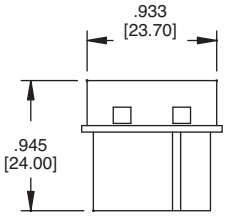
DDH-04

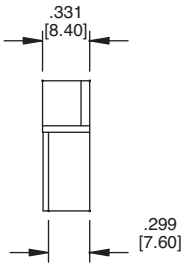


DDH-02



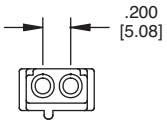
DDH-03

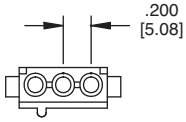


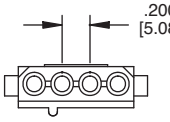


DDH-04

DDF
FEMALE HOUSING







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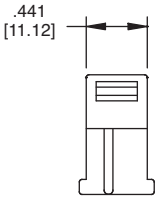

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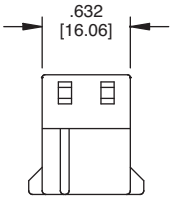

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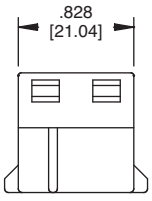
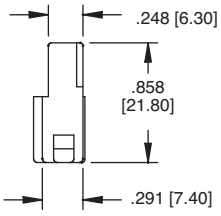
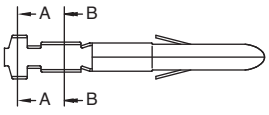
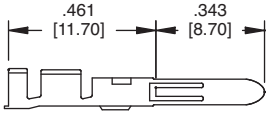


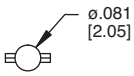
DDF-04

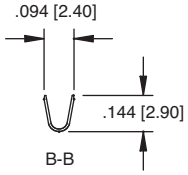


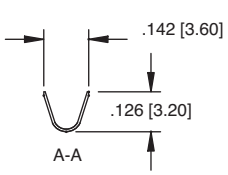
DMC-01-R
MALE CRIMP CONTACT



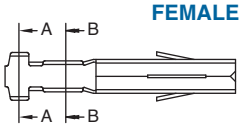


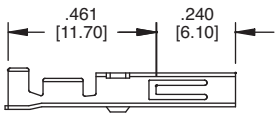


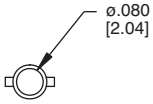


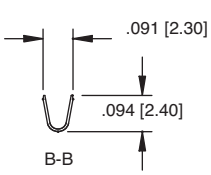


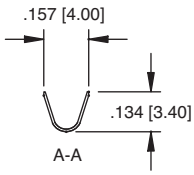
DFC-01-R
FEMALE CRIMP CONTACT











ADAM TECH
Adam Technologies, Inc.

HEADER & HOUSING SYSTEMS

.8mm, 1mm, 1.25mm, 1.5mm, 2mm & 2.5mm

2CH & 2SH SERIES

INTRODUCTION:
Adam Tech 2CH & 2SH Series of multiple pitch Headers and Housings are a matched set of Crimp Wire Housings and PCB mounted Shrouded Headers available in Straight, Right Angle or SMT orientation. Offered in various popular industry standard styles they provide a lightweight, fine pitched, polarized, high reliability connection system.

FEATURES:
Multiple pitches and configurations
Matched Housing & Header system
Straight, Right Angle or SMT Headers
Sure fit, Fine Pitched & Polarized

MATING CONNECTORS:
Each set has a male and female mate

SPECIFICATIONS:

Material:

Insulator: Thru-hole: PBT, glass reinforced, rated UL94V-0
SMT: Nylon 46 or 6T, rated UL94V-0
Contacts: Brass

Plating:

Tin over copper underplate overall

Electrical:

Operating voltage: 100V AC max.
Current rating: 0.5 - 3 Amps max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 800V AC for 1 minute

Mechanical:

Insertion force: 1.28 lbs max
Withdrawal force: 0.180 lbs min.

HI-TEMP INSULATOR AVAILABLE

Temperature Rating:

Operating temperature: -25°C to +85°C

Pb RoHS COMPLIANT

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

c UL us

ORDERING INFORMATION
CRIMP HOUSING

2CH | B | 04

SERIES INDICATOR
08CH = 0.80mm Single Row
1CH = 1.00mm Single Row
125CH = 1.25mm Single Row
15CH = 1.50mm Single Row
2CH = 2.00mm Single Row
2CH2 = 2.0mm Dual Row
25CH = 2.50mm Single Row

POSITIONS
02 Thru 15

BODY STYLE
A = Body Style "A"
B = Body Style "B"
C = Body Style "C"

ORDERING INFORMATION
SHROUDED HEADER

2SH | B | 04 | TS

SERIES INDICATOR
08SH = 0.80mm
1SH = 1.00mm
125SH = 1.25mm
15SH = 1.50mm
2SH = 2.0mm
25SH = 2.50mm

PIN ANGLE
IDC = Pre-installed crimp contacts
TS = Straight PCB
TR = Right Angle PCB

POSITIONS
02 thru 25

BODY STYLE
A = Body Style "A"
B = Body Style "B"
C = Body Style "C"

ORDERING INFORMATION
CRIMP CONTACT

2CTA | R

SERIES INDICATOR
1CTA = 1.00mm Body Style "A" Contact
125CTA = 1.25mm Body Style "A" Contact
125CTB = 1.25mm Body Style "B" Contact
125CTC = 1.25mm Body Style "C" Contact
15CTA = 1.50mm Body Style "A" Contact
15CTB = 1.50mm Body Style "B" Contact
2CTB = 2.00mm Body Style "B" Contact
2CTC = 2.00mm Body Style "C" Contact
25CTB = 2.50mm Body Style "B" Contact
25CTC = 2.50mm Body Style "C" Contact

PACKAGING
R = 10,000 Piece Reel

OPTIONS:
Add designator(s) to end of part number
SMT = Surface mount leads with Hi-Temp insolator

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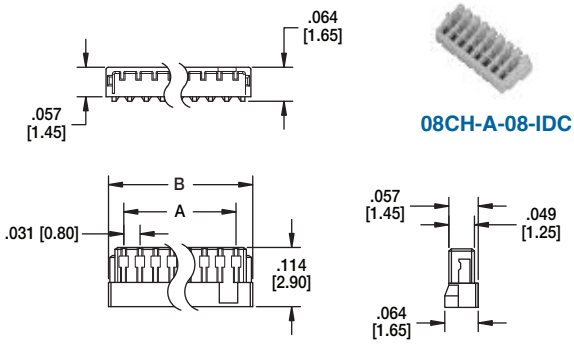
HEADER & HOUSING SYSTEMS

0.8mm & 1.00mm

08CH, 1CH & 08SH, 1SH SERIES

08CH-A-XX-IDC

0.8mm IDC HOUSING WITH PRE-INSTALLED CONTACTS

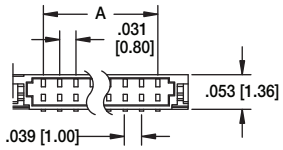


08CH-A-08-IDC

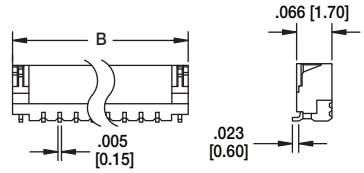
A=.031 [0.80] X No. of Positions -1
B=.031 [0.80] X No. of Positions + .031 [0.80]

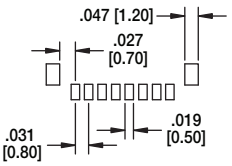
08SH-A-XX-TS-SMT

0.8mm VERTICAL SMT HEADER



08SH-A-08-TS-SMT



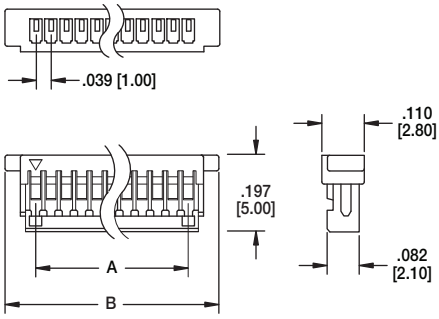


Recommended PCB Layout

A=.031 [0.80] X No. of Positions -1
B=.031 [0.80] X No. of Positions + .031 [0.80]

1CH-A-XX

1.00mm CRIMP HOUSING

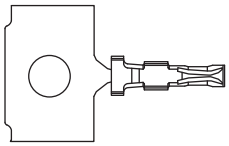


1CH-A-04

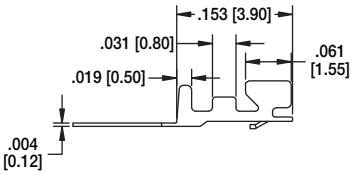
A=.039 [1.00] X No. of Positions -1
B=.039 [1.00] X No. of Positions + .118 [3.00]

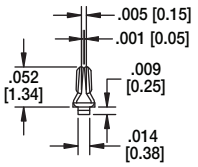
1CTA-R

1.00mm TERMINAL



1CTA-R

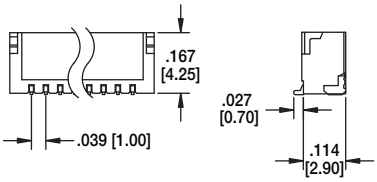




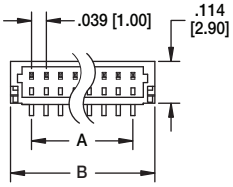
Recommended wire size 32-28 awg.

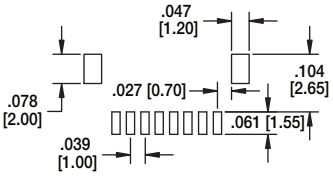
1SH-A-XX-TS-SMT

1.00mm VERTICAL SMT HEADER



1SH-A-04-TS-SMT



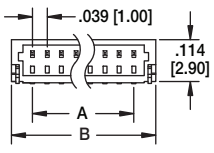


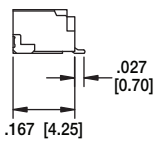
Recommended PCB Layout

A=.039 [1.00] X No. of Positions -1
B=.039 [1.00] X No. of Positions + .078 [2.00]

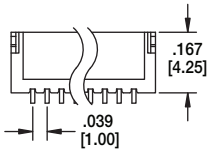
1SH-A-XX-TR-SMT

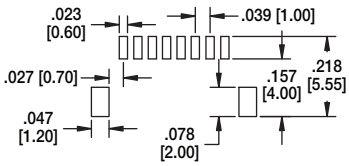
1.00mm RIGHT ANGLE SMT HEADER





1SH-A-04-TR-SMT

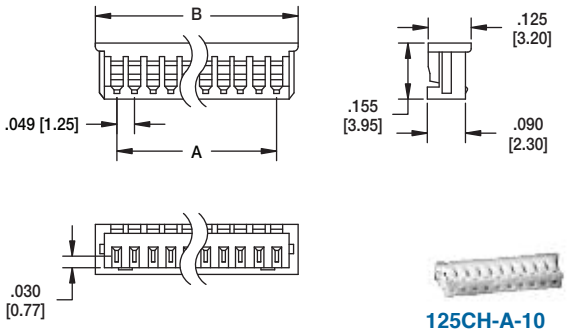




Recommended PCB Layout

A=.039 [1.00] X No. of Positions -1
B=.039 [1.00] X No. of Positions + .078 [2.00]

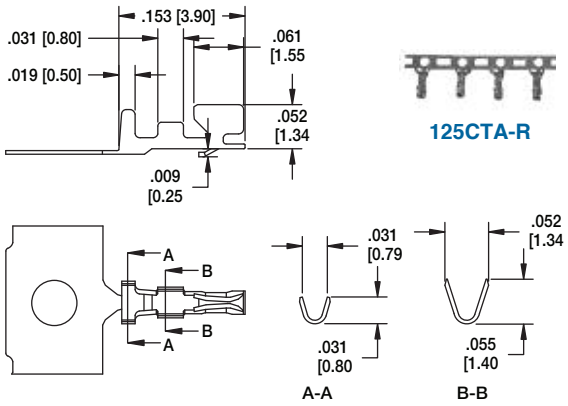
125CH-A-XX
1.25mm CRIMP HOUSING



125CH-A-10

A=.049 [1.25] X No. of Positions -1
B=.049 [1.25] X No. of Positions + .068 [1.75]

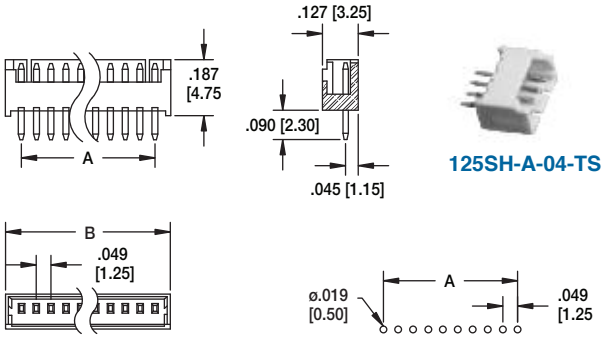
125CTA-R
1.25mm CRIMP TERMINAL



125CTA-R

Recommended wire size 32-28 awg.

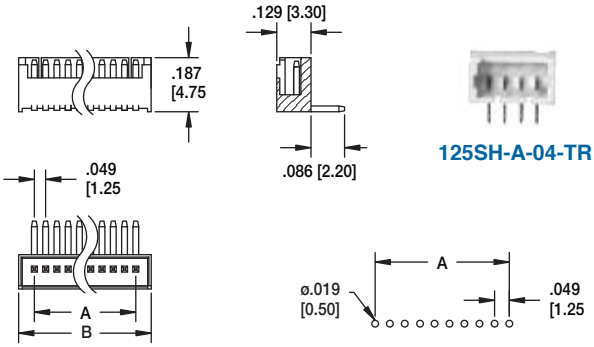
125SH-A-XX-TS
1.25mm VERTICAL HEADER



125SH-A-04-TS

A=.049 [1.25] X No. of Positions -1
B=.049 [1.25] X No. of Positions + .068 [1.75]

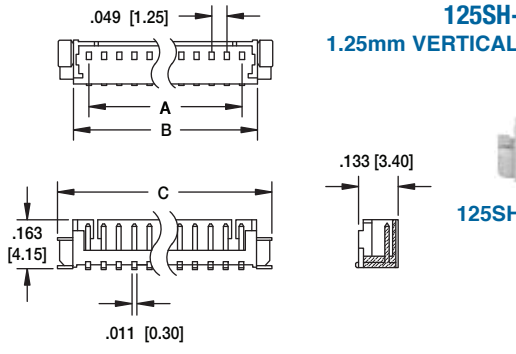
125SH-A-XX-TR
1.25mm RIGHT ANGLE HEADER

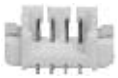


125SH-A-04-TR

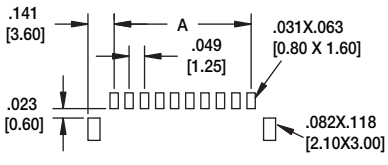
A=.049 [1.25] X No. of Positions -1
B=.049 [1.25] X No. of Positions + .068 [1.75]

125SH-A-XX-TS-SMT
1.25mm VERTICAL SMT HEADER



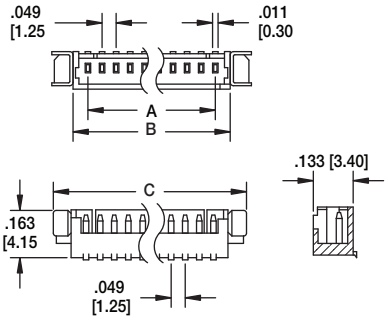


125SH-A-04-TS-SMT

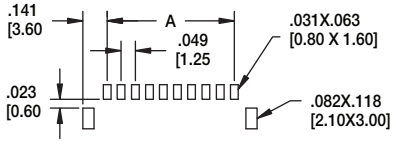


Recommended PCB Layout

125SH-A-XX-TR-SMT
1.25mm RIGHT ANGLE SMT HEADER



125SH-A-04-TR-SMT



Recommended PCB Layout

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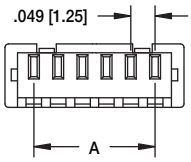
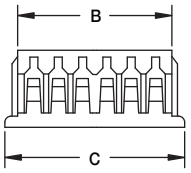
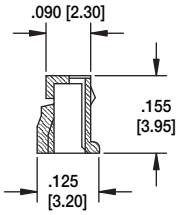
125CH-B-XX
1.25mm CRIMP HOUSING



125CH-B-10

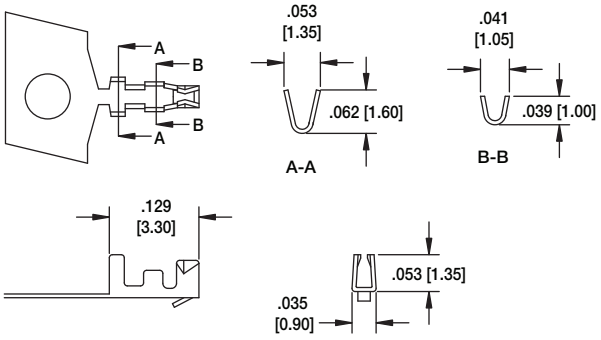




A=.049 [1.25] X No. of Positions -1
B=.049 [1.25] X No. of Positions + .017 [0.45]
C=.049 [1.25] X No. of Positions + .068 [1.75]

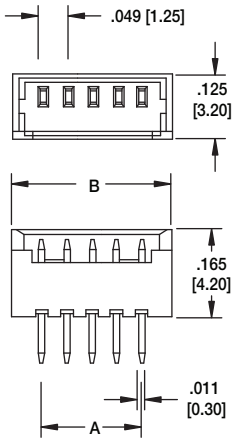
125CTB-R
1.25mm CRIMP TERMINAL

125CTB-R

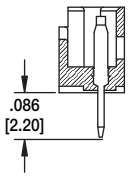


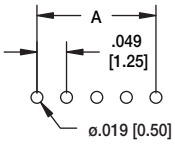
Recommended wire size 32-28 awg.

125SH-B-XX-TS
1.25mm VERTICAL HEADER



125SH-B-04-TS



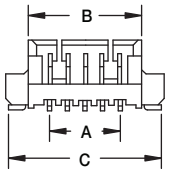


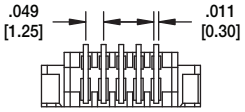
Recommended PCB Layout

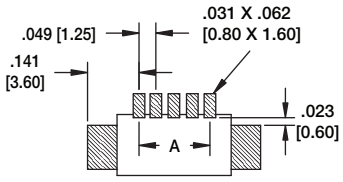
A=.049 [1.25] X No. of Positions -1
B=.049 [1.25] X No. of Positions + .068 [1.75]

125SH-B-XX-TS-SMT
1.25mm VERTICAL SMT HEADER

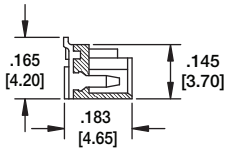
125SH-B-04-TS-SMT





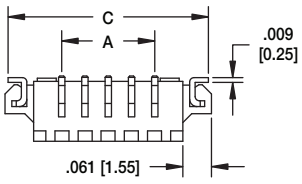


Recommended PCB Layout

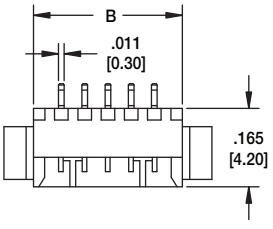


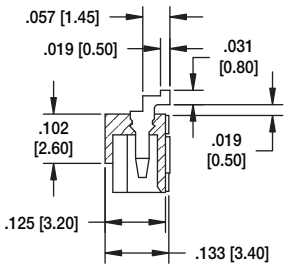
A=.049 [1.25] X No. of Positions -1
B=.049 [1.25] X No. of Positions + .068 [1.75]
C=.049 [1.25] X No. of Positions + .202 [5.15]

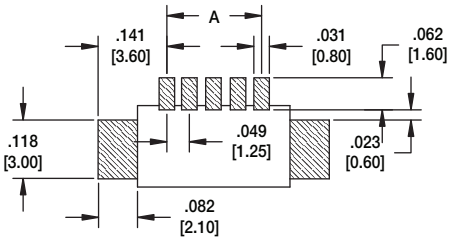
125SH-B-XX-TR-SMT
1.25mm RIGHT ANGLE SMT HEADER



125SH-B-04-TR-SMT







Recommended PCB Layout

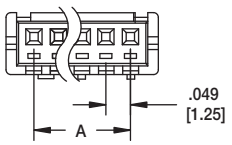
A=.049 [1.25] X No. of Positions -1
B=.049 [1.25] X No. of Positions + .068 [1.75]
C=.049 [1.25] X No. of Positions + .187 [4.75]

HEADER & HOUSING SYSTEMS

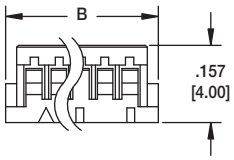
1.25mm Type C

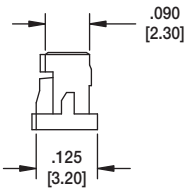
125CH & 125SH SERIES

125CH-C-XX
1.25mm CRIMP HOUSING



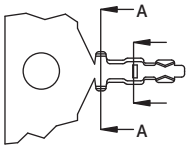
125CH-C-05

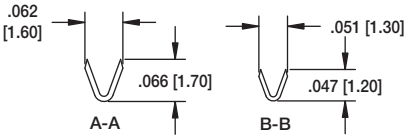


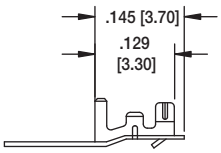


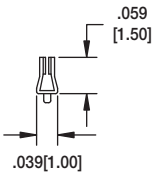
A=.049 [1.25] X No. of Positions -1
B=.049 [1.25] X No. of Positions + .065 [1.65]

125CTC-R
1.25mm CRIMP TERMINAL





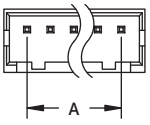




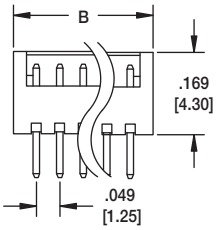
125CTC-R

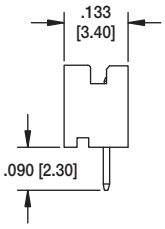
Recommended wire size 28-32 awg.

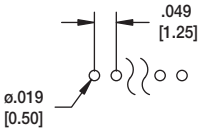
125SH-C-XX-TS
1.25mm VERTICAL HEADER



125SH-C-05-TS



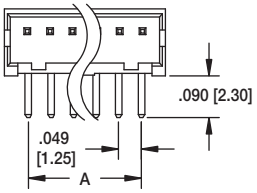




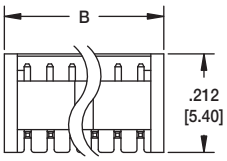
Recommended PCB Layout

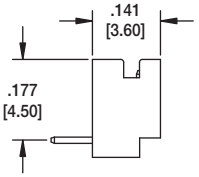
A=.049 [1.25] X No. of Positions -1
B=.049 [1.25] X No. of Positions + .049 [1.25]

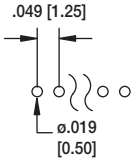
125SH-C-XX-TR
1.25mm RIGHT ANGLE HEADER



125SH-C-05-TR



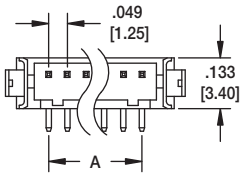


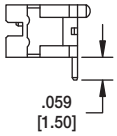


Recommended PCB Layout

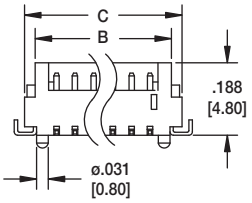
A=.049 [1.25] X No. of Positions -1
B=.049 [1.25] X No. of Positions + .049 [1.25]

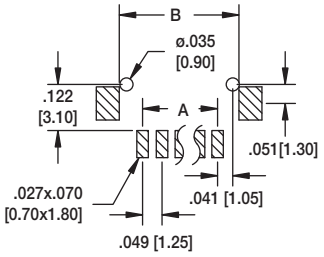
125SH-C-XX-TS-SMT
1.25mm VERTICAL SMT HEADER





125SH-C-06-TS-SMT

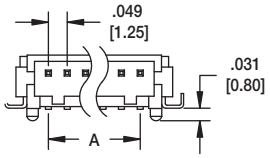




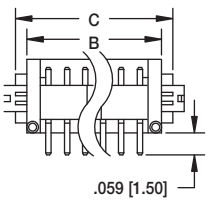
A=.049 [1.25] X No. of Positions -1
B=.049 [1.25] X No. of Positions + .065 [1.65]
C=.049 [1.25] X No. of Positions + .124 [3.15]

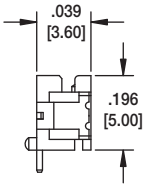
Recommended PCB Layout

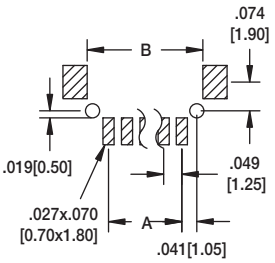
125SH-C-XX-TR-SMT
1.25mm RIGHT ANGLE SMT HEADER



125SH-C-08-TR-SMT







A=.049 [1.25] X No. of Positions -1
B=.049 [1.25] X No. of Positions + .065 [1.65]
C=.049 [1.25] X No. of Positions + .124 [3.15]

Recommended PCB Layout

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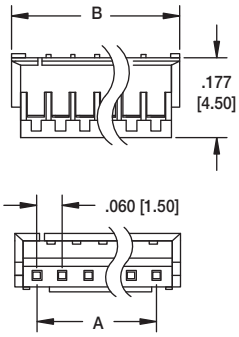
HEADER & HOUSING SYSTEMS

1.5mm Type A

15CH & 15SH SERIES

15CH-A-XX
1.5mm CRIMP HOUSING

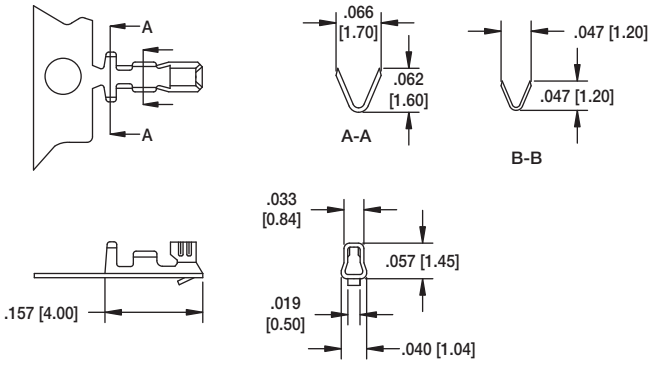


15CH-A-10

A=.060 [1.50] X No. of Positions -1
B=.060 [1.50] X No. of Positions + .059 [1.50]

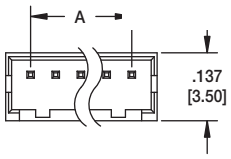
15CTA-R
1.5mm CRIMP TERMINAL

15CTA-R

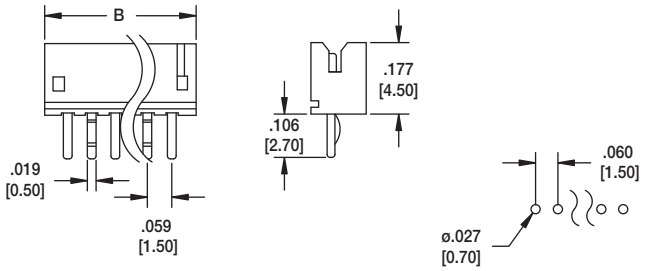


Recommended wire size 26-30 awg.

15SH-A-XX-TS
1.5mm VERTICAL HEADER



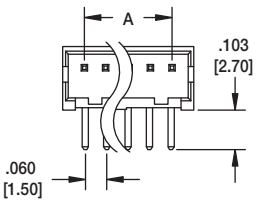
15SH-A-04-TS



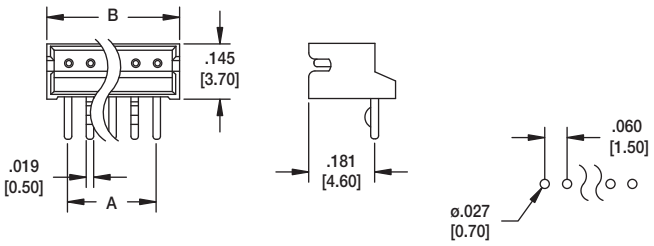
Recommended PCB Layout

A=.019 [0.50] X NO. of Positions -1
B=.019 [0.50] X NO. OF SPACES +.059 [1.50]

15SH-A-XX-TR
1.5mm RIGHT ANGLE HEADER



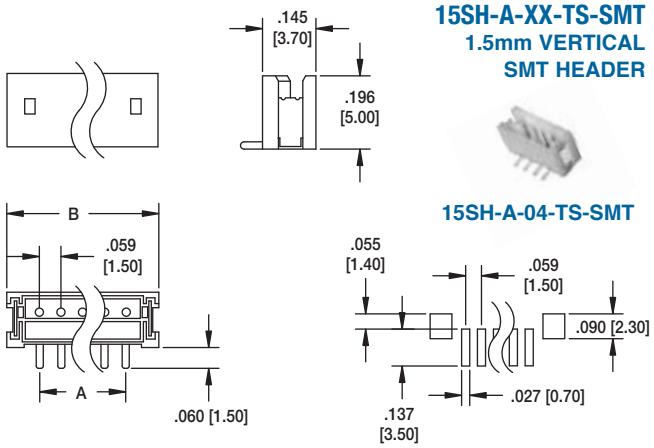
15SH-A-04-TR



Recommended PCB Layout

A=.019 [0.50] X NO. of Positions -1
B=.019 [0.50] X NO. OF SPACES +.059 [1.50]

15SH-A-XX-TS-SMT
1.5mm VERTICAL SMT HEADER

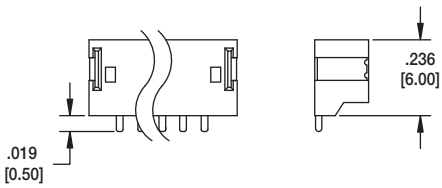


15SH-A-04-TS-SMT

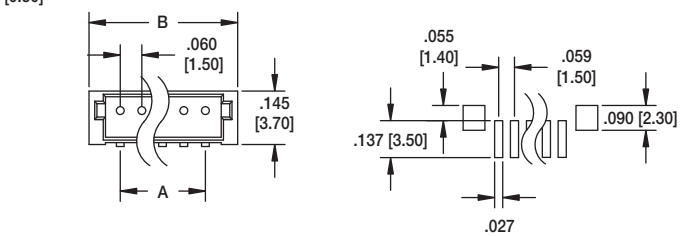
Recommended PCB Layout

A=.060 [1.50] X No. of Positions -1
C=.060 [1.50] X No. of Positions + .118 [3.00]

15SH-A-XX-TR-SMT
1.5mm RIGHT ANGLE SMT HEADER



15SH-A-04-TR-SMT



Recommended PCB Layout

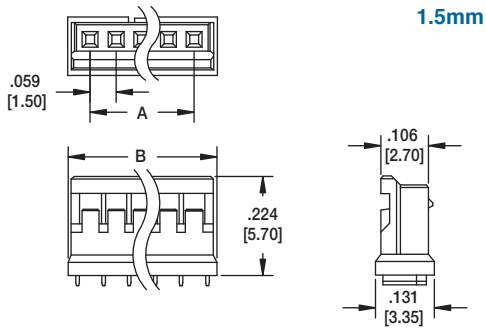
A=.060 [1.50] X No. of Positions -1
C=.060 [1.50] X No. of Positions + .118 [3.00]

HEADER & HOUSING SYSTEMS

1.5mm Type B & 2mm Type B

15CH, 15SH & 2CH, 2SH SERIES

15CH-B-XX
1.5mm CRIMP HOUSING

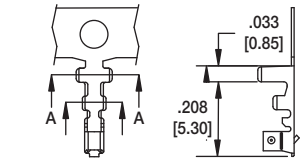


15CH-B-05

A=.059 [1.50] X No. of Positions -1
B=.059 [1.50] X No. of Positions +.043 [1.10]

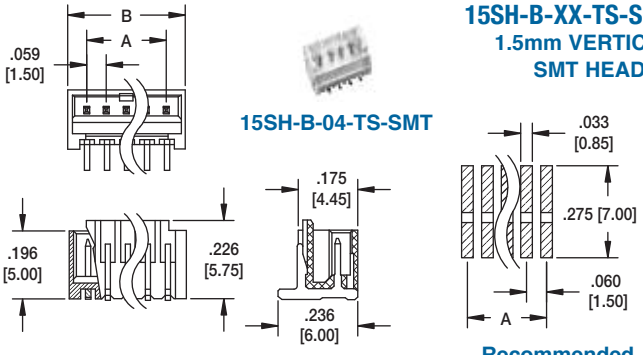
Recommended wire size 28-24 awg.

15CTB-R
1.5mm CRIMP TERMINAL



15CTB-R

15SH-B-XX-TS-SMT
1.5mm VERTICAL SMT HEADER

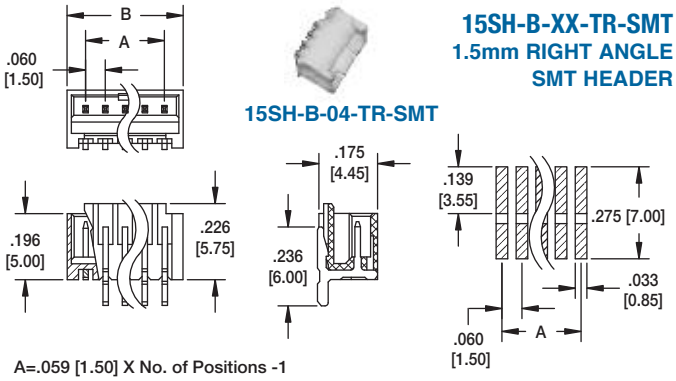


15SH-B-04-TS-SMT

A=.059 [1.50] X No. of Positions-1
B=.059 [1.50] X No. of Positions +.051 [1.30]

Recommended PCB Layout

15SH-B-XX-TR-SMT
1.5mm RIGHT ANGLE SMT HEADER

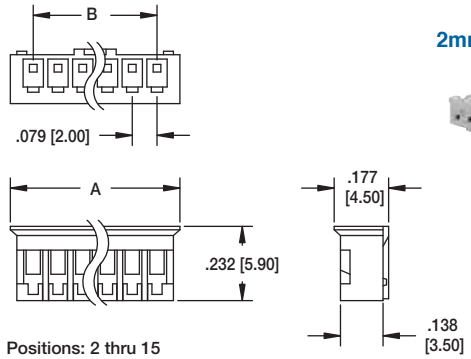


15SH-B-04-TR-SMT

A=.059 [1.50] X No. of Positions -1
B=.059 [1.50] X No. of Positions +.051 [1.30]

Recommended PCB Layout

2CH-B-XX
2mm CRIMP HOUSING

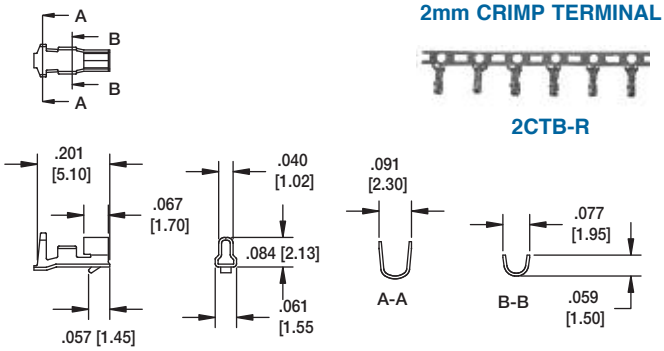


2CH-B-10

Positions: 2 thru 15
A = .079 [2.00] x No. of Positions -1
B = .079 [2.00] x No. of Positions +.063 [1.60]

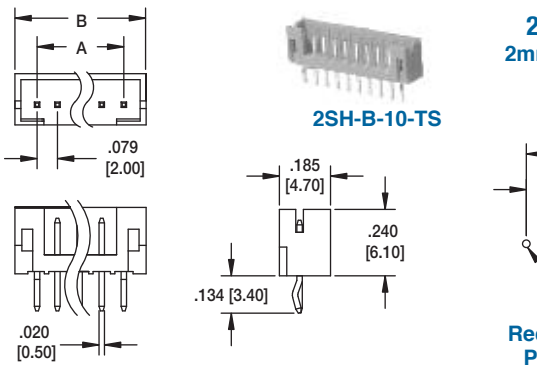
Recommended wire size 28-22 awg.

2CTB
2mm CRIMP TERMINAL



2CTB-R

2SH-B-XX-TS
2mm VERTICAL HEADER

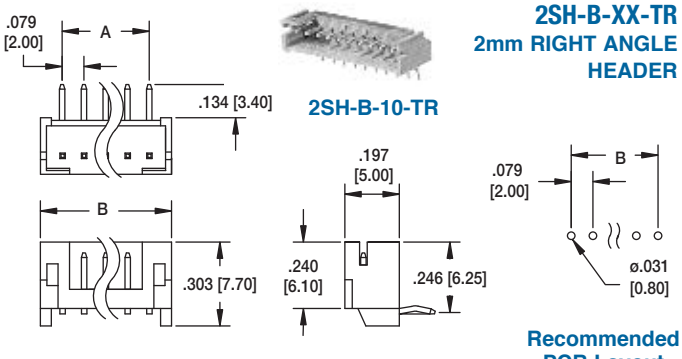


2SH-B-10-TS

A = .079 [2.00] x No. of Positions -1
B = .079 [2.00] x No. of Positions +.078 [2.00]

Recommended PCB Layout

2SH-B-XX-TR
2mm RIGHT ANGLE HEADER



2SH-B-10-TR

A = .079 [2.00] x No. of Positions -1
B = .079 [2.00] x No. of Positions +.078 [2.00]

Recommended PCB Layout

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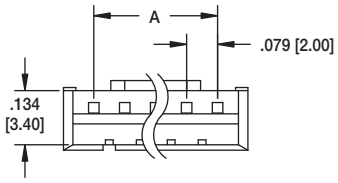
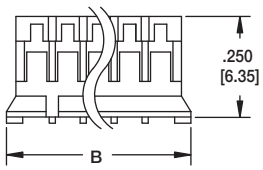
HEADER & HOUSING SYSTEMS

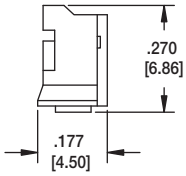
2mm Type C
2CH & 2SH SERIES

2CH-C-XX
2mm CRIMP HOUSING



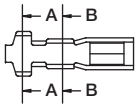
2CH-C-10

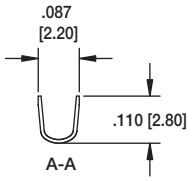


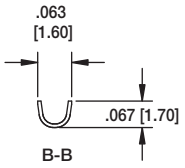


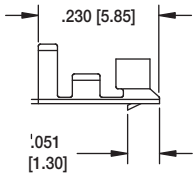
Positions: 2 thru 20
A = .079 [2.00] x No. of Positions -1
B = .079 [2.00] x No. of Positions + .071 [1.80]

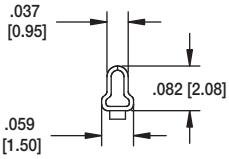
2CTC-R
2mm CRIMP TERMINAL







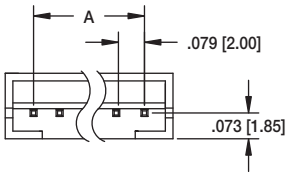




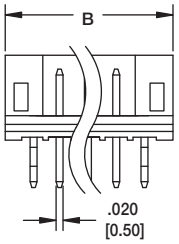
2CTC-R

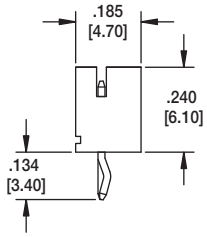
Recommended wire size 28-22 awg.

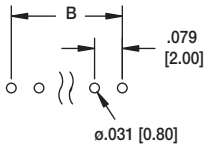
2SH-C-XX-TS
2mm VERTICAL HEADER



2SH-C-10-TS



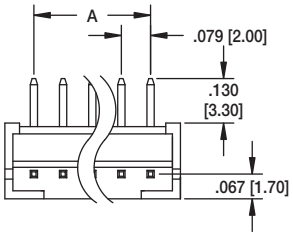




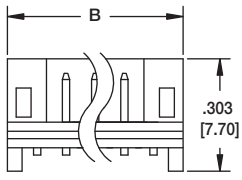
PCB Layout

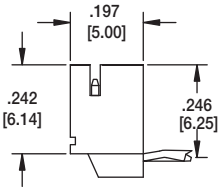
Positions: 2 thru 20
A = .079 [2.00] x No. of Positions -1
B = .079 [2.00] x No. of Positions + .082 [2.10]

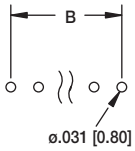
2SH-C-XX-TR
2mm RIGHT ANGLE HEADER



2SH-C-10-TR



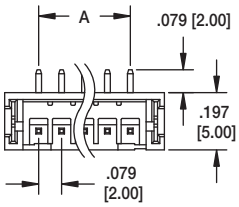




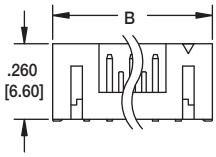
PCB Layout

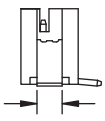
Positions: 2 thru 20
A = .079 [2.00] x No. of Positions -1
B = .079 [2.00] x No. of Positions + .082 [2.10]

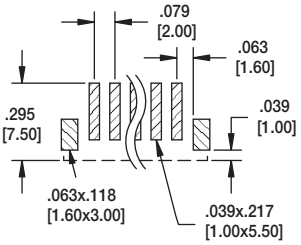
2SH-C-XX-TS-SMT
2mm VERTICAL SMT HEADER



2SH-C-10-TS-SMT



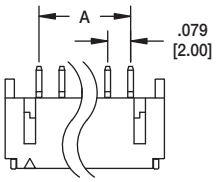




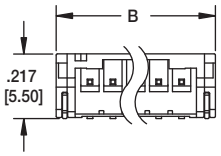
PCB Layout

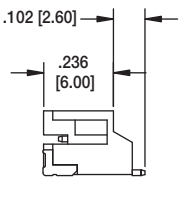
Positions: 2 thru 16
A = .079 [2.00] x No. of Positions -1
B = .079 [2.00] x No. of Positions + .153 [3.90]

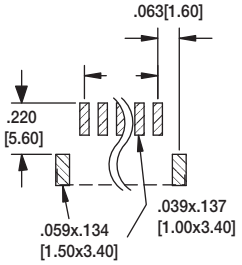
2SH-C-XX-TR-SMT
2mm RIGHT ANGLE SMT HEADER



2SH-C-10-TR-SMT







PCB Layout

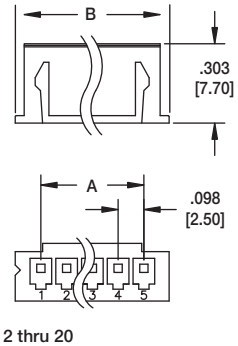
Positions: 2 thru 16
A = .079 [2.00] x No. of Positions -1
B = .079 [2.00] x No. of Positions + .153 [3.90]

HEADER & HOUSING SYSTEMS

2.5mm Type B & C

25CH & 25SH SERIES

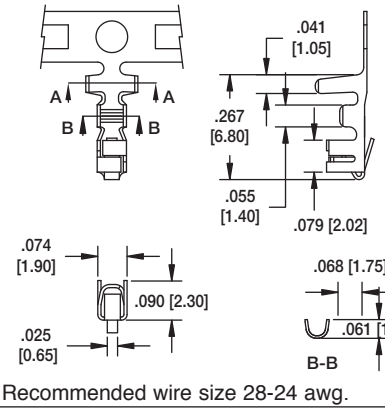
25CH-B-XX
2.5mm CRIMP HOUSING



25CH-B-03

Positions: 2 thru 20
A = .098 [2.50] x No. of Positions -1
B = .098 [2.50] x No. of Positions + .189 [4.80]

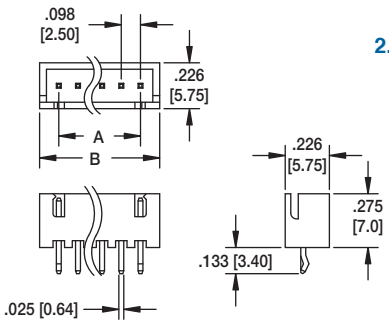
25CTB-R
2.5mm CRIMP TERMINAL



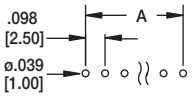
25CTB-R

Recommended wire size 28-24 awg.

25SH-B-XX-TS
2.5mm VERTICAL HEADER



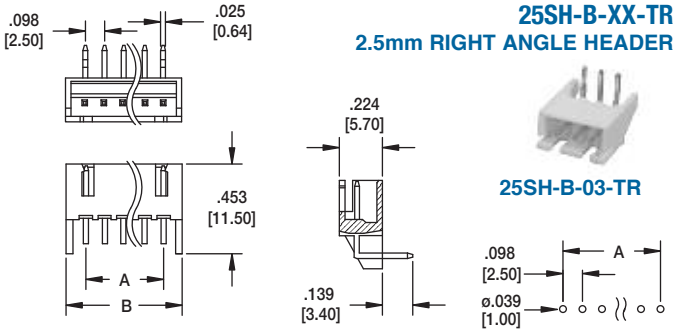
25SH-B-03-TS



PCB Layout

Positions: 2 thru 20
A = .098 [2.50] x No. of Positions -1
B = .098 [2.50] x No. of Positions + .102 [2.60]

25SH-B-XX-TR
2.5mm RIGHT ANGLE HEADER

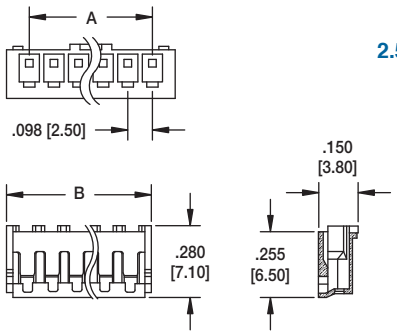


25SH-B-03-TR

PCB Layout

Positions: 2 thru 20
A = .098 [2.50] x No. of Positions -1
B = .098 [2.50] x No. of Positions + .102 [2.60]

25CH-C-XX
2.5mm CRIMP HOUSING

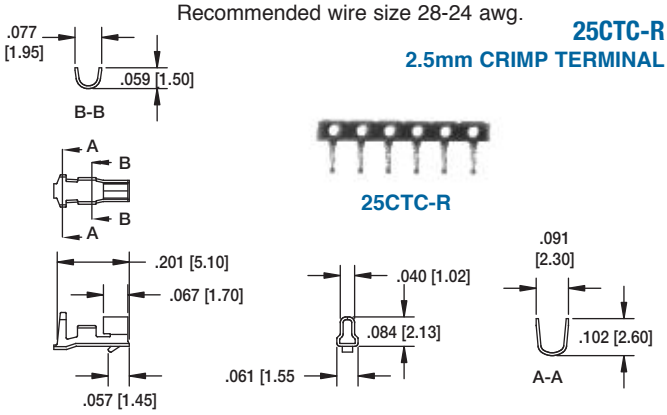


25CH-C-05

Positions: 2 thru 20
A = .098 [2.50] x No. of Positions -1
B = .098 [2.50] x No. of Positions + .178 [2.00]

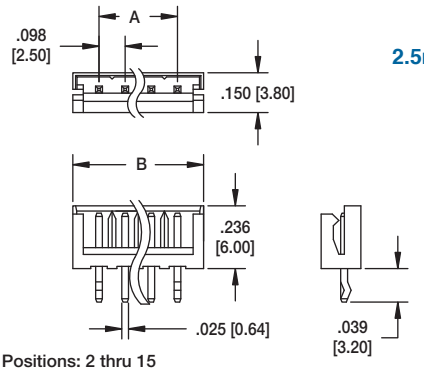
Recommended wire size 28-24 awg.

25CTC-R
2.5mm CRIMP TERMINAL

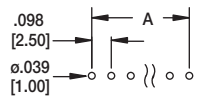


25CTC-R

25SH-C-XX-TS
2.5mm VERTICAL HEADER



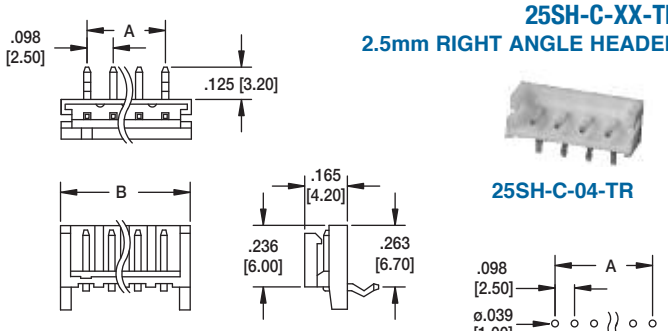
25SH-C-04-TS



PCB Layout

Positions: 2 thru 15
A = .098 [2.50] x No. of Positions -1
B = .098 [2.50] x No. of Positions +.198 [2.50]

25SH-C-XX-TR
2.5mm RIGHT ANGLE HEADER



25SH-C-04-TR

PCB Layout

Positions: 2 thru 15
A = .098 [2.50] x No. of Positions -1
B = .098 [2.50] x No. of Positions +.198 [2.50]

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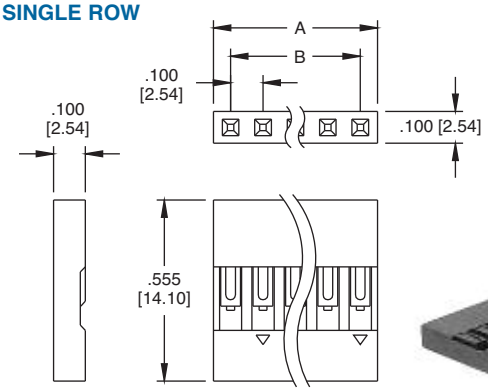
HEADER & HOUSING SYSTEMS

.100" [2.54] CENTERLINE SINGLE & DUAL ROW

MTE & MTF SERIES

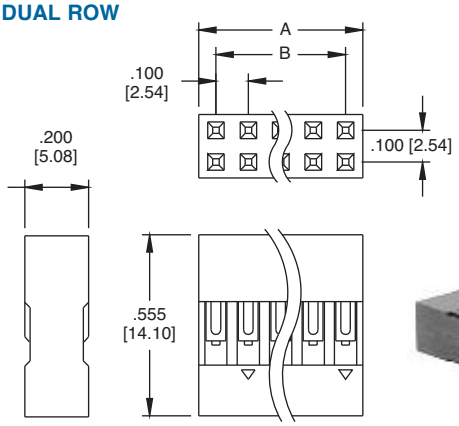
MTE
SINGLE ROW



MTE-08

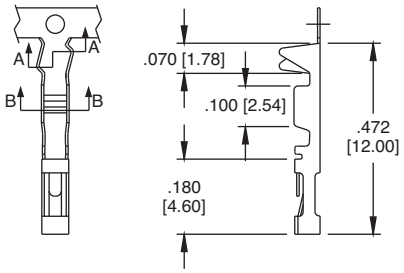
A = .100 [2.54] X No. of SPACES
B = .100 [2.54] X No. of SPACES + .200 [5.08]

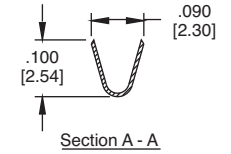
MTF
DUAL ROW



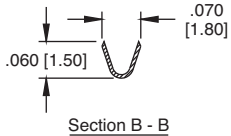
MTF-14

MTE-C
CRIMP CONTACT





Section A - A



Section B - B

MTE-C-R

Recommended wire size 28-22 awg.

ORDERING INFORMATION

HOUSING

MTE

SERIES INDICATOR
MTE = Single row housing
MTF = Dual row housing

10

POSITIONS
Single row (MTE) 02-40 Positions
Dual row (MTF) 04-80 Positions

CRIMP CONTACT

MTE-C

SERIES INDICATOR
MTE-C = Crimp contact

R

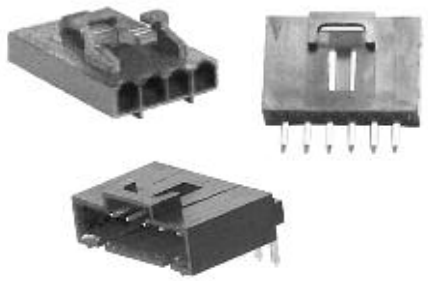
PACKAGING
R = 6,000 pieces on reel

ADAM TECH
Adam Technologies, Inc.

.100" LATCHING HEADER & HOUSING

.100" [2.54] STRAIGHT & RIGHT ANGLE

CDR SERIES



INTRODUCTION:
Adam Tech CDR series latching header & housing set was designed to attach wires to a PCB. This series features a latching housing which mates to a polarized, locking header. This set provides a secure, easy to mate connection with superior electrical characteristics.

FEATURES:
Secure, latching header housing set
Precision .025" sq. posts
Latching housing
Polarized anti-vibration design
Available in 2 - 12 positions

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

SPECIFICATIONS:

Material:

Insulator: Nylon 66, rated UL94V-0
Insulator Color: Black (White optional)
Contacts: Phosphor bronze

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

HEADER ORDERING INFORMATION

CDR	04	TS
SERIES INDICATOR **CDR** = Latching Shrouded Header	**POSITIONS** 02 thru 12	**MOUNTING** **TS** = Straight PCB Mount **TR** = Right Angle PCB Mount

HOUSING ORDERING INFORMATION

CDH	04
SERIES INDICATOR **CDH** = Latching Housing **CDN** = Non Latching Housing	**POSITIONS** 02 thru 12

CONTACT ORDERING INFORMATION

CDH-C	R
SERIES INDICATOR **CDH-C** = Crimp Contact	**PACKAGING** **B** = Loose in bag **R** = Chain on reel

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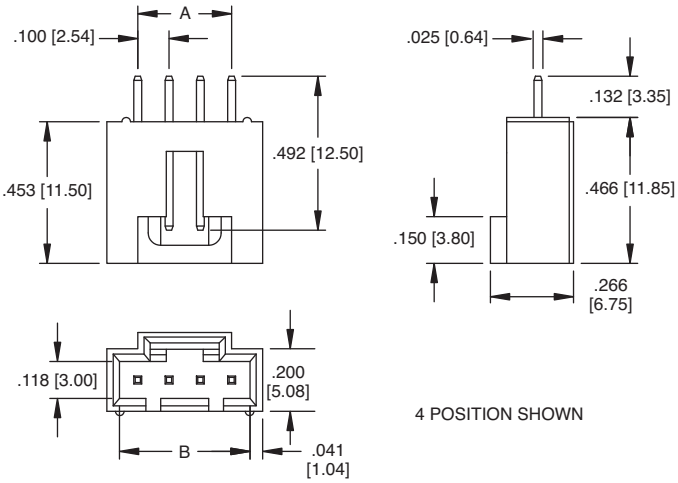
.100" LATCHING HEADER & HOUSING

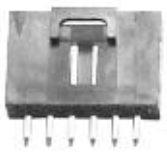
CDR SERIES

CDR
STRAIGHT PCB MOUNT

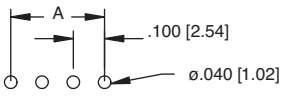


4 POSITION SHOWN

A = .100 [2.54] X No. of SPACES
B = .100 [2.54] X No. of SPACES + .200 [5.08]

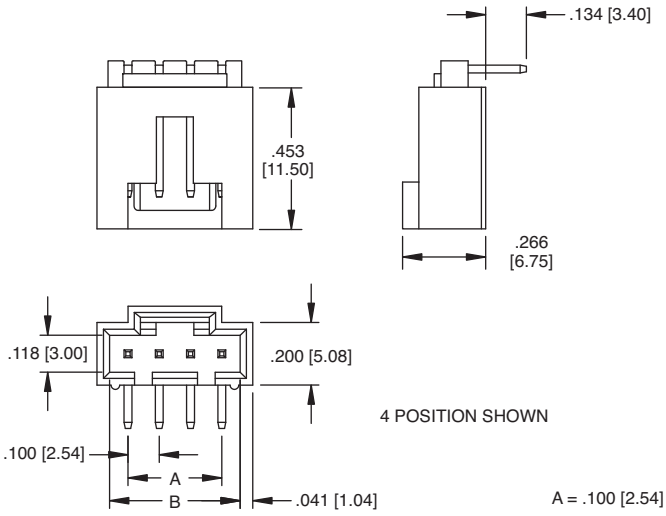


CDR-06-TS



Recommended PCB Layout

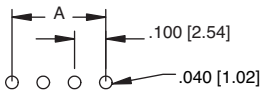
CDR
RIGHT ANGLE PCB MOUNT



4 POSITION SHOWN

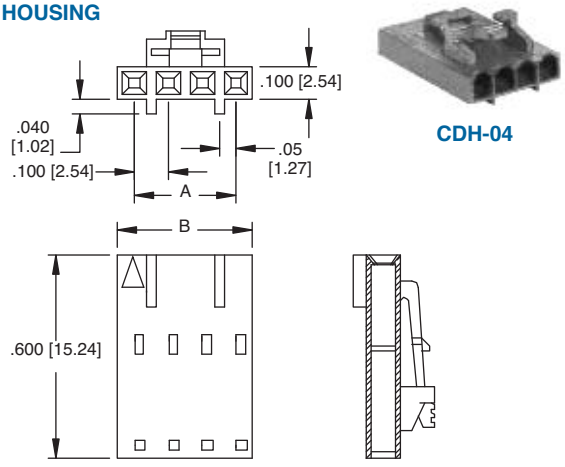
A = .100 [2.54] X No. of SPACES
B = .100 [2.54] X No. of SPACES + .200 [5.08]

CDR-06-TR



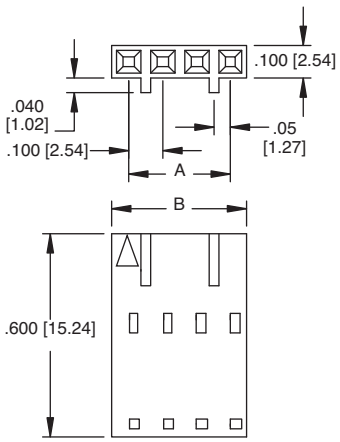
Recommended PCB Layout

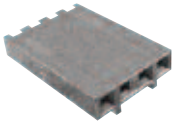
CDH
HOUSING



CDH-04

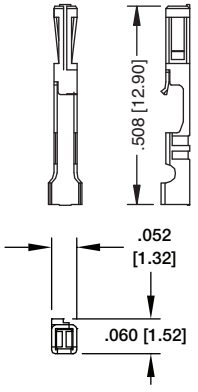
CDH
HOUSING





CDH-04-NL

CDH-C-R
CONTACT



Recommended
wire size 24-28 awg.

ADAM TECH
Adam Technologies, Inc.

.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

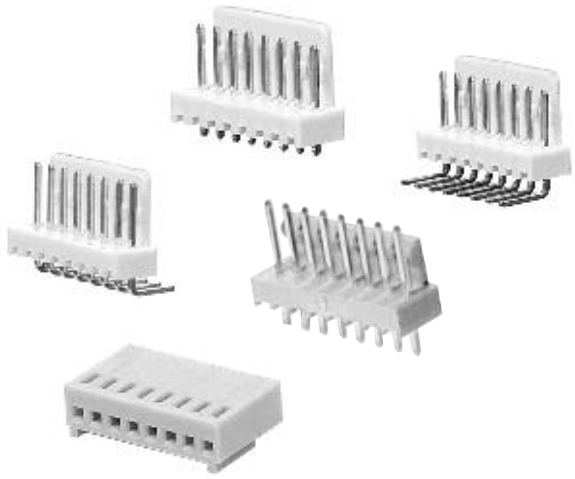
Electrical:
Operating voltage: 250V AC max.
Current rating: 3 Amps max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 500V AC for 1 minute

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

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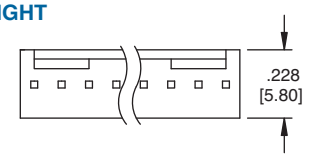
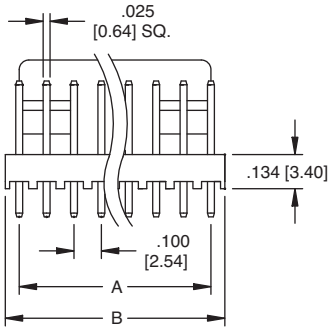
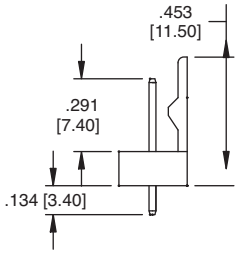
.100" HEADER & HOUSING
LHA & MTA SERIES

LHA
STRAIGHT

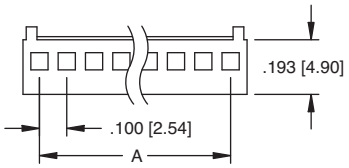


LHA-08-TS

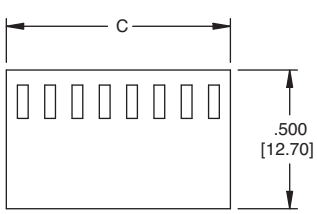


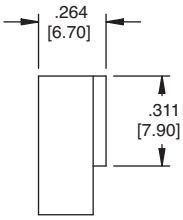


MTA
HOUSING

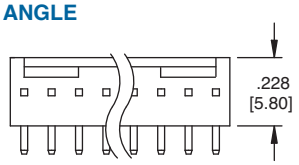


MTA-08

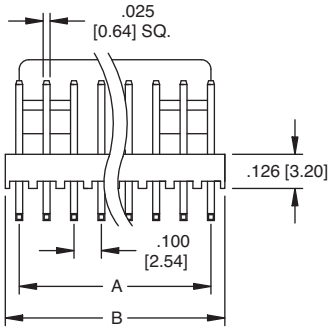


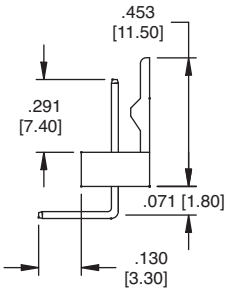


LHA
RIGHT ANGLE

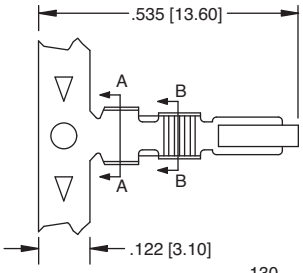


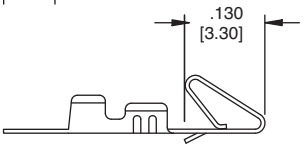
LHA-08-TRA

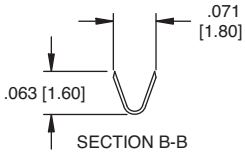


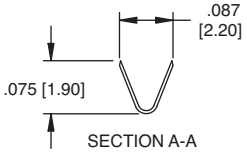


MTA-C
CONTACT

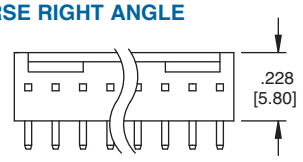




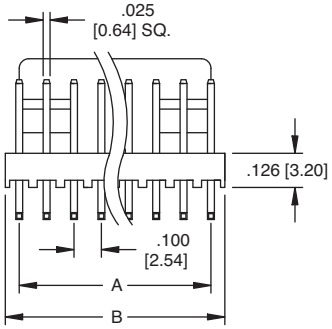


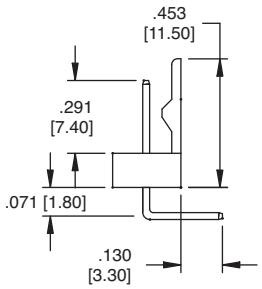


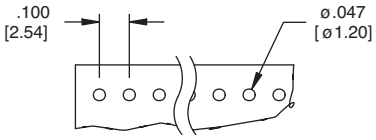
LHA
REVERSE RIGHT ANGLE



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]

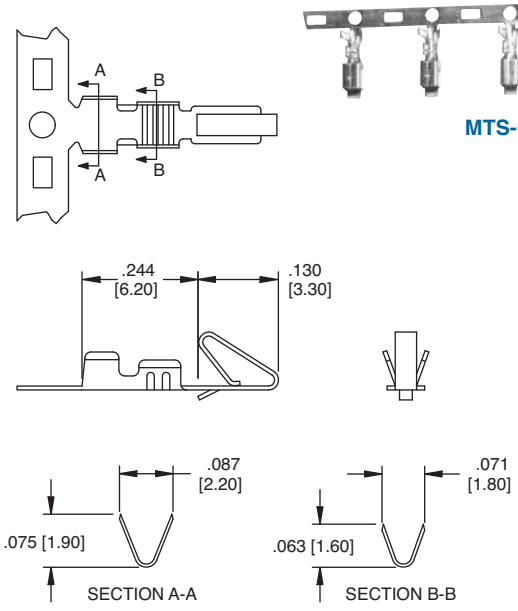
LHS
RIGHT ANGLE PCB MOUNT

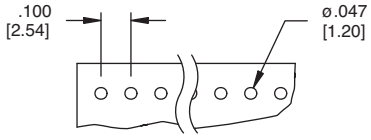
LHS-08-TRA

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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.156" HEADER & HOUSING

.156" [3.96] CENTERLINE

LHB, LHC, LHD & MTB SERIES

INTRODUCTION:
Adam Tech .156" Headers and Housings are two matched sets of Crimp Wire Housings and PCB mounted Latching Headers available in Straight and Right Angle orientation. This system is available with a front locking header, a rear locking header or without a locking feature. Each of the locking types are polarized to fit in only one direction with the housing. This system provides a sturdy, high current, high reliability connection with or without the polarized locking option.

FEATURES:
Matched Latching Housing & Header system
Straight, Right Angle mounting Headers
Choice of Two Latching Types
Housings feature High pressure, Low insertion force contacts

MATING CONNECTORS:
Adam Tech MTB series and all industry standard latching type .156 [3.96mm] centers

SPECIFICATIONS:

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

Contact Plating:
Tin over copper underplate overall

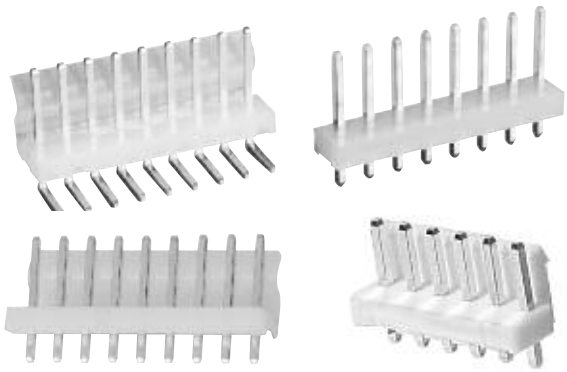
Electrical:
Operation voltage: 250V AC max.
Current rating: 5 Amp max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 1000V AC for 1 minute

Mechanical:
Recommended wire size: 18 to 24 Awg

Environmental:
Operating temperature: -25°C to +85°C

PACKAGING:
Anti-static plastic bags

APPROVALS AND CERTIFICATIONS:
UL Recognized & CSA Certified, File no. E224053



POWER HEADER

LHB	12	S	A	1

SERIES INDICATOR
LHB = Power Header

POSITIONS
2 thru 20

PIN TYPE
S = Square Post

PIN ANGLE
A = Straight
B = Right Angle

FRICTION LOCK / POLARIZER OPTION
1 = With Lock Polarizer
2 = Without Lock Polarizer

POWER HEADER

LHC	10	TS

SERIES INDICATOR
LHC = Locking Header
LHD = Short Back Locking Header

POSITIONS
2 thru 20

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

HOUSING

MTB	12

SERIES INDICATOR
MTB = Wire housing
MTC = Latching Housing

POSITIONS
2 thru 20

CRIMP CONTACT

MTB-C	R

SERIES INDICATOR
MTB-C = Crimp contact
MTC-C = Crimp contact

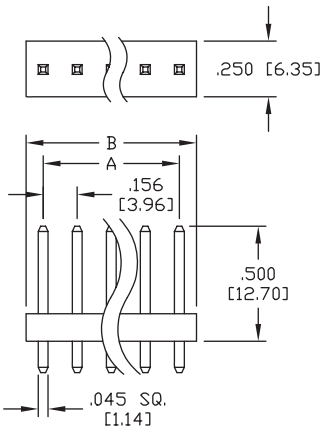
PACKAGING
B = 1000 pieces loose cut
R = 6000 pieces on reel

.156" HEADER & HOUSING

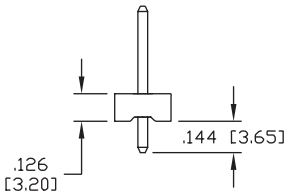
.156" [3.96] CENTERLINE

LHB & MTB SERIES

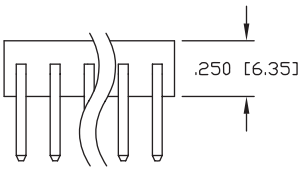
LHB
STRAIGHT WITHOUT BACK



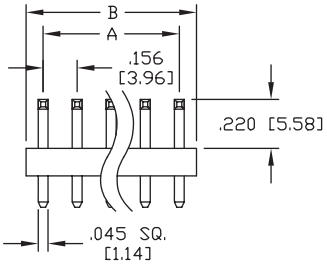
LHB-08-SA2

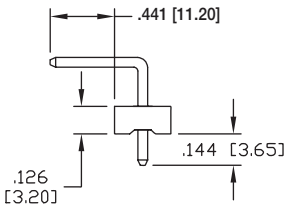


LHB
RIGHT ANGLE WITHOUT BACK

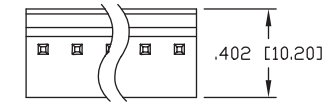


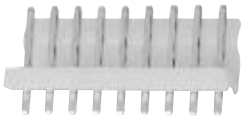
LHB-08-SB2



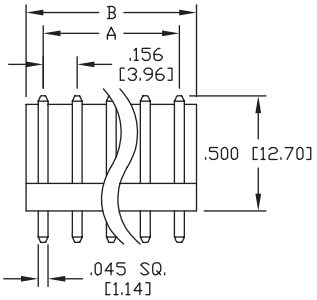


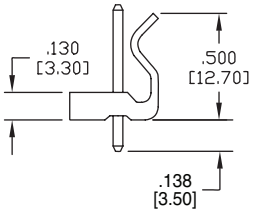
LHB
STRAIGHT WITH BACK



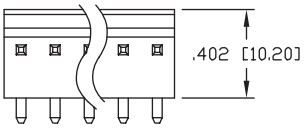


LHB-09-SA1

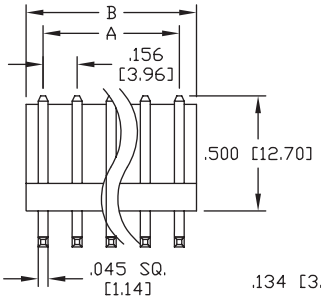


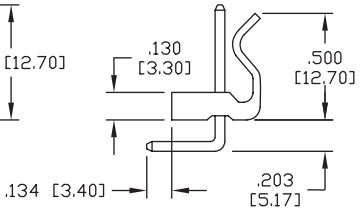


LHB
RIGHT ANGLE WITH BACK

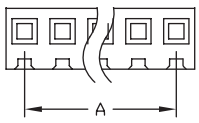


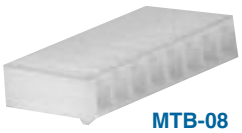
LHB-09-SB1



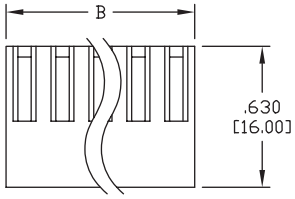


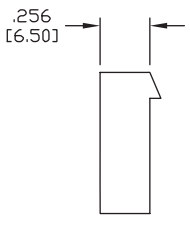
MTB
CRIMP HOUSING





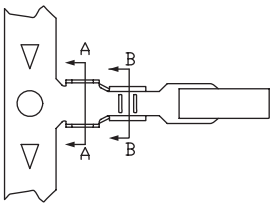
MTB-08

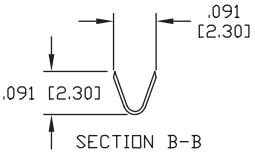


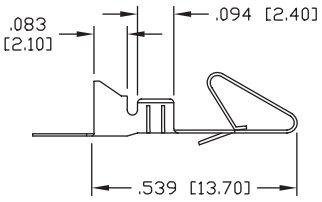


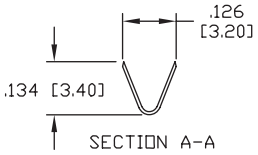
A = .156 [3.96] x No. of Spaces
B = .156 [3.96] X No. of Positions

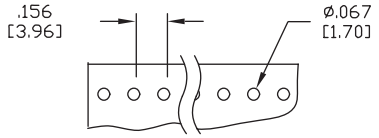
MTB
CRIMP CONTACT











Recommended PCB Layout

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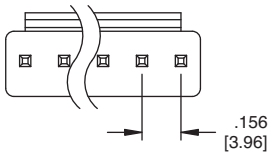
.156" HEADER & HOUSING

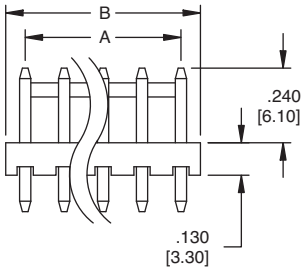
.156" [3.96] CENTERLINE

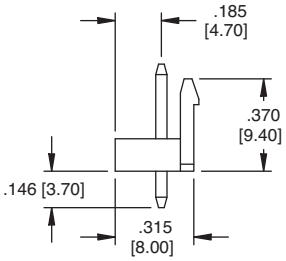
LHC & MTC SERIES

LHC
STRAIGHT WITH REAR LOCK

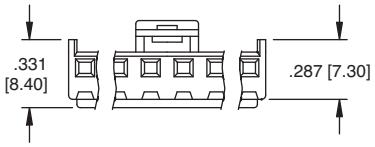


LHC-06-TS

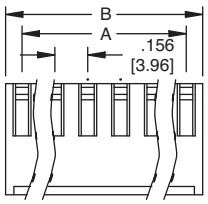


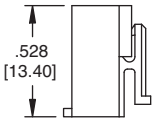


MTC
HOUSING

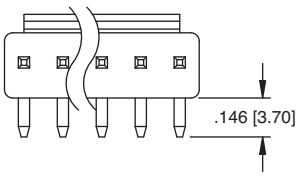


MTC-06

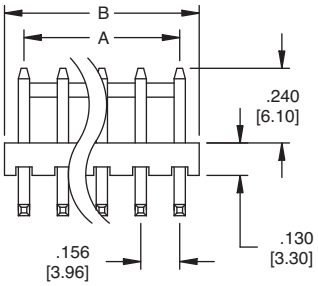


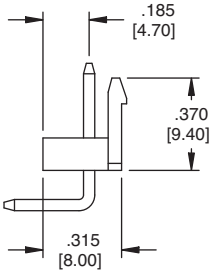


LHC
RIGHT ANGLE WITH REAR LOCK



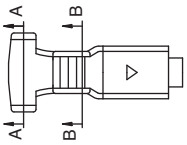
LHC-06-TRA

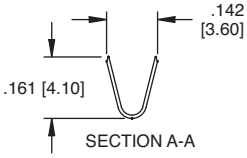


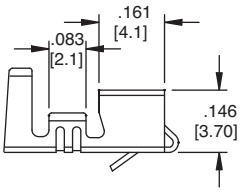


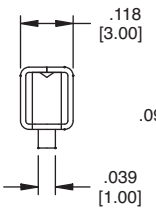
MTC-C
CRIMP CONTACTS

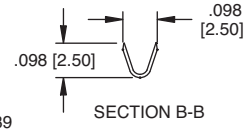
MTC-C-R



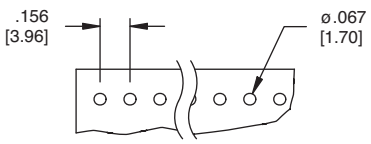








A = .156 [3.96] x No. of Spaces
B = .156 [3.96] X No. of Spaces + .156 [3.96]



Recommended PCB Layout

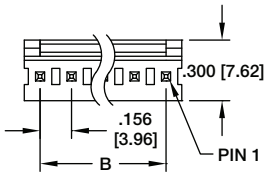
.156" HEADER & HOUSING

.156" [3.96] CENTERLINE

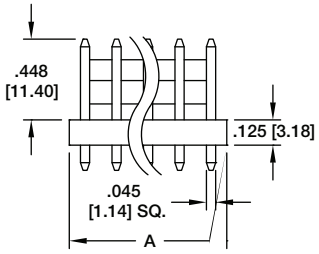
LHD & MTB SERIES

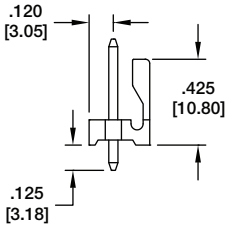
LHD
STRAIGHT PBC MOUNT

A = .156 [3.96] x No. of Positions
B = .156 [3.96] x No. of Spaces



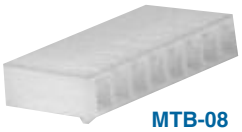
LHD-06-TS



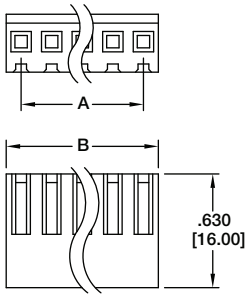


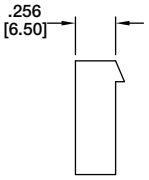
MTB
HOUSING

A = .156 [3.96] x No. of Positions
B = .156 [3.96] x No. of Spaces



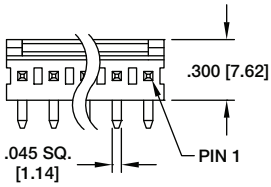
MTB-08



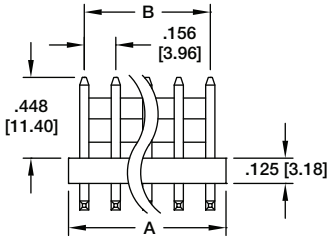


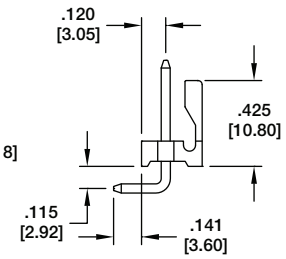
LHD
RIGHT ANGLE
PCB MOUNT

A = .156 [3.96] x No. of Positions
B = .156 [3.96] x No. of Spaces



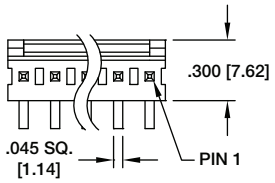
LHD-06-TRA



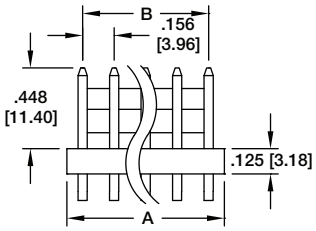


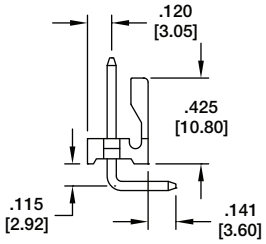
LHD
REVERSE RIGHT ANGLE
PCB MOUNT

A = .156 [3.96] x No. of Positions
B = .156 [3.96] x No. of Spaces



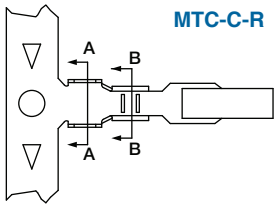
LHD-06-TRB

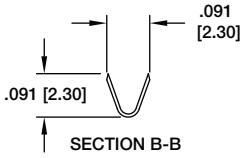




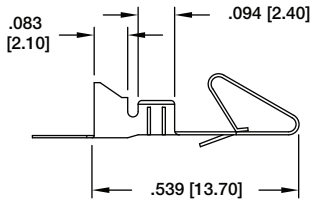
MTC-C
CRIMP CONTACT

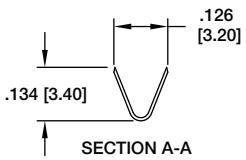
MTC-C-R



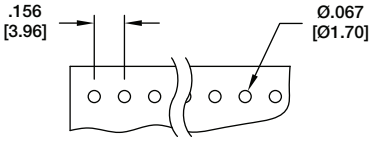


SECTION B-B





SECTION A-A



Recommended PCB Layout

909 Rahway Avenue • Union, New Jersey 07083 • T: 908-687-5000 • F: 908-687-5710 • WWW.ADAM-TECH.COM