

Adam Technologies, Inc.

.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 mismatching 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:

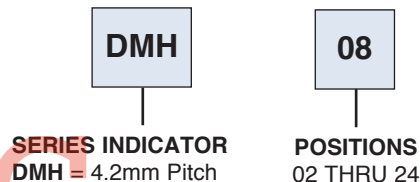
Anti-ESD plastic bags

SAFETY AGENCY APPROVALS:

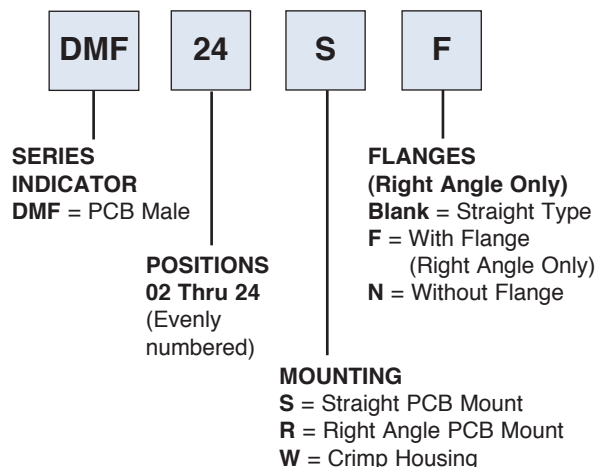
UL Recognized & CSA Certified, File no. E224053



ORDERING INFORMATION FEMALE WIRE HOUSING



ORDERING INFORMATION MALE PCB HOUSING



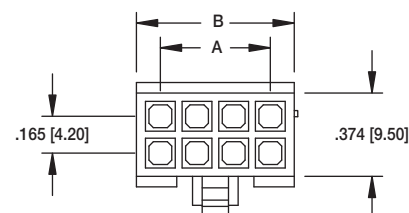
OPTIONS:

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

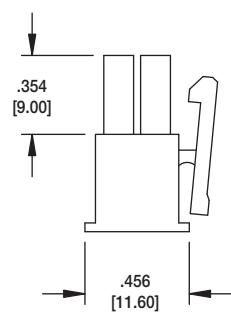
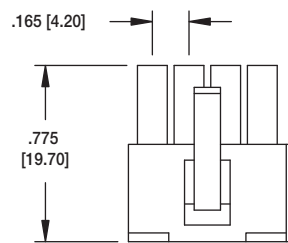
ADAM TECH WIRE TO BOARD CONNECTORS

Adam Technologies, Inc. .165" [4.20] CENTERLINES
DMH & DMF SERIES

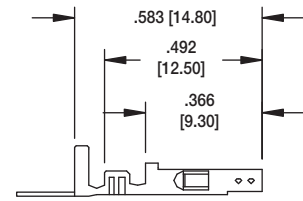
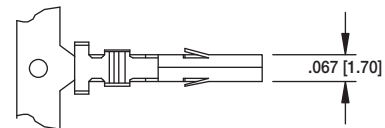
DMH
CRIMP HOUSING



DMH-12



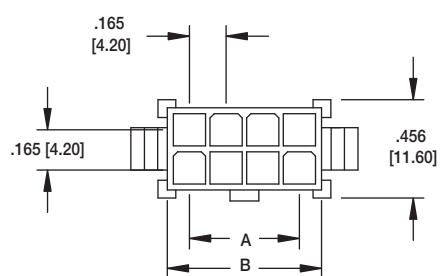
DIMENSIONS:
A = .165 [4.20] X No. of Position / 2 - 1
B = .165 [4.20] X No. of Positions / 2 + .055 [1.40]



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

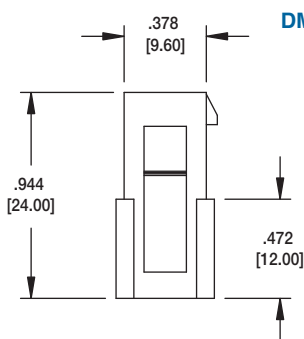
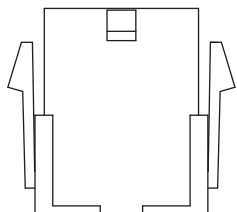
DMF
CRIMP HOUSING



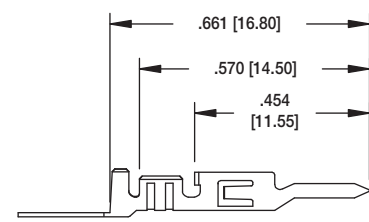
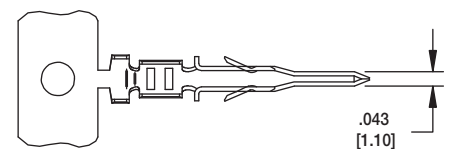
DMF-06-W



DMF-12-W



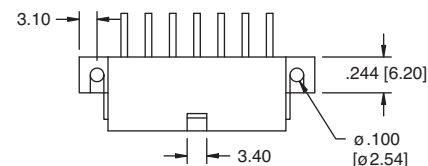
DIMENSIONS:
A = .165 [4.20] X No. of Position / 2 - 1
B = .165 [4.20] X No. of Positions / 2 + .055 [1.40]



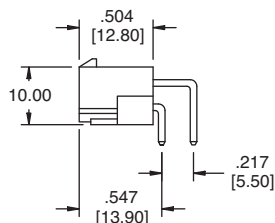
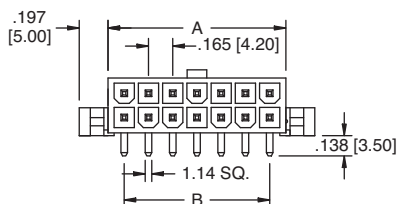
DMF CRIMP CONTACT

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

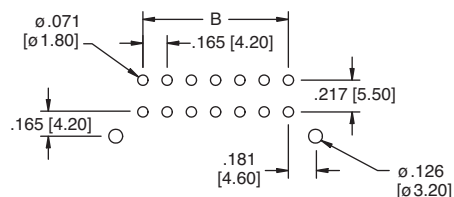
**DMF
RIGHT ANGLE
WITH FLANGE**



DMF-12-R-F

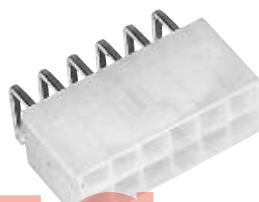
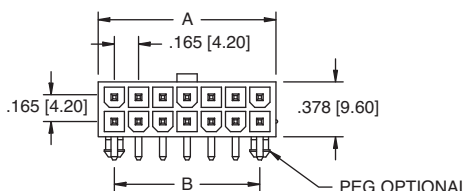


Recommended PCB Layout

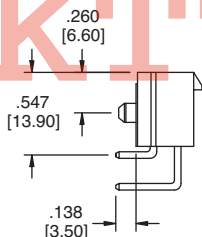
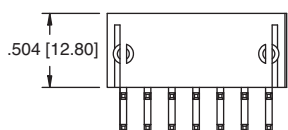


A = .165 [4.20] x No. of Positions + .213 [5.40]
B = .165 [4.20] x No. of Spaces

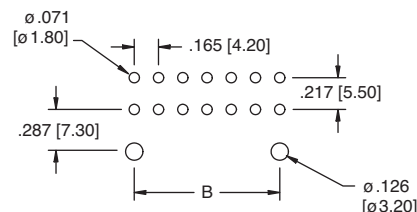
**DMF
RIGHT ANGLE
WITHOUT FLANGE**



DMF-12-R-N

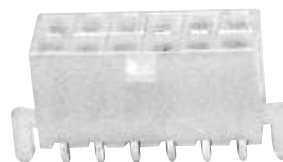
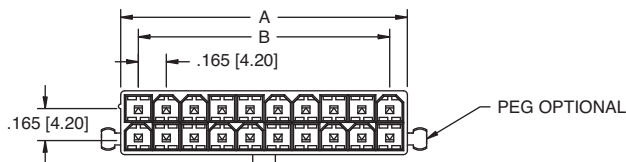


Recommended PCB Layout

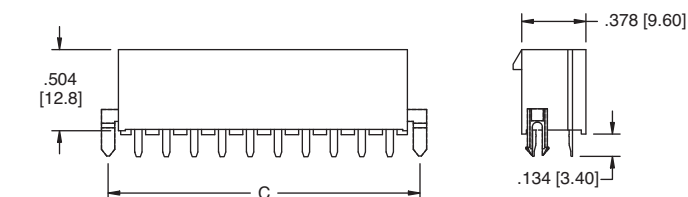


A = .165 [4.20] x No. of Positions + .213 [5.40]
B = .165 [4.20] x No. of Spaces

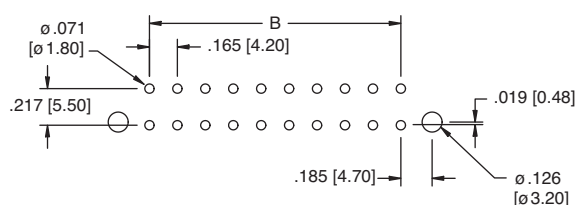
**DMF
STRAIGHT MOUNT
WITH PEG**



DMF-12-S-P



Recommended PCB Layout



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

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:

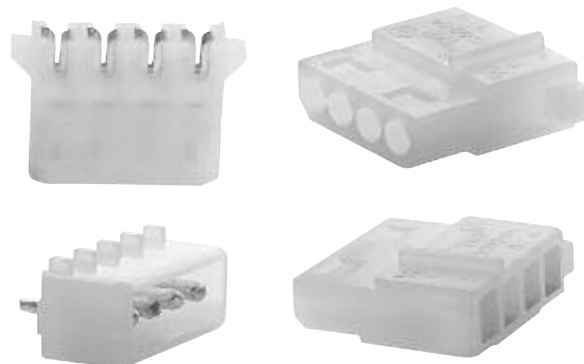
Operating temperature: -25°C to +85°C

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

PACKAGING

R = 7,000 piece reel

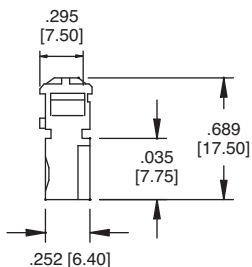
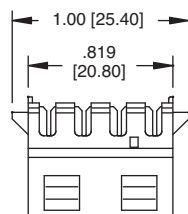
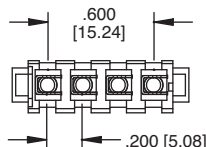
WIRE SIZE

01 = 22-18 AWG

DFW
FEMALE DISCRETE WIRE
IDC CONNECTOR



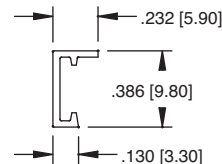
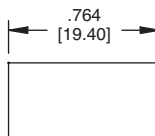
DFW-04



DFW-B
END MOUNT COVER



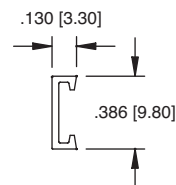
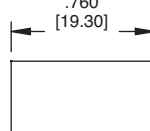
DFW-B-04



DFW-C
FEED THRU COVER



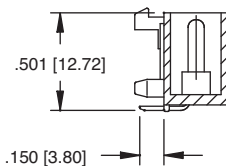
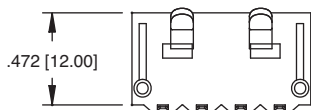
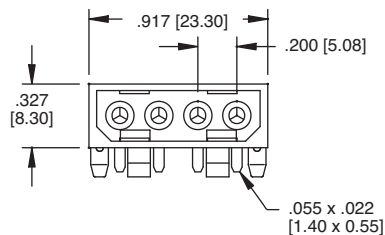
DFW-C-04



DDR
MALE RIGHT ANGLE
PCB MOUNT



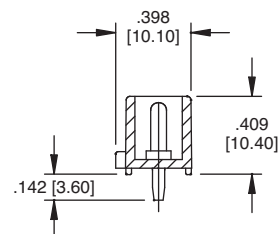
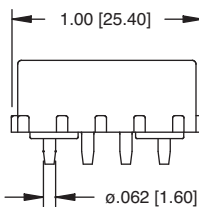
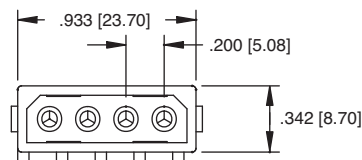
DDR-04



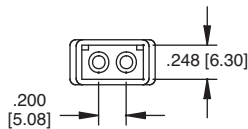
DDS
MALE STRAIGHT
PCB MOUNT



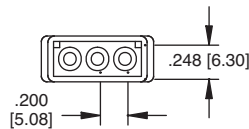
DDS-04



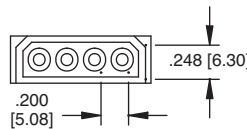
DDH
MALE HOUSING



DDH-02



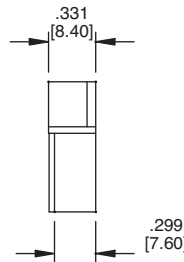
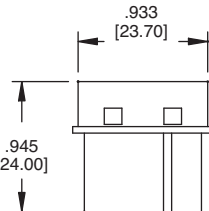
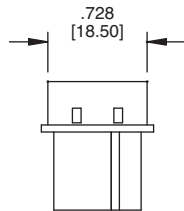
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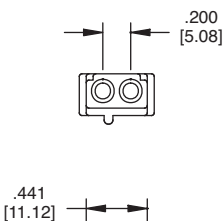
DDH-04



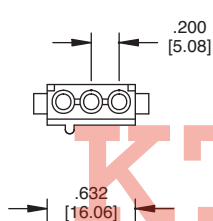
DDH-04



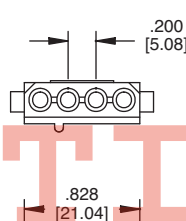
DDF
FEMALE HOUSING



DDF-02



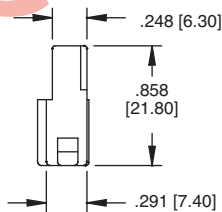
DDF-03



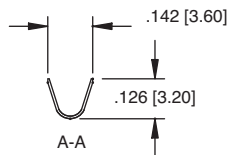
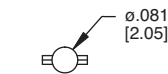
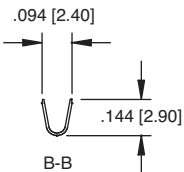
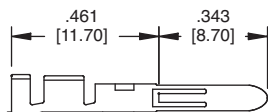
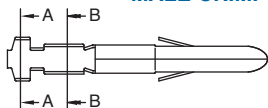
DDF-04



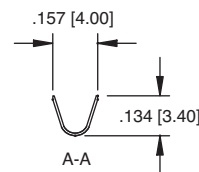
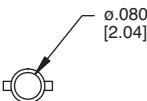
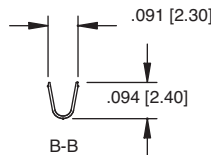
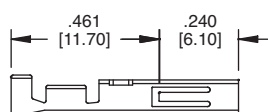
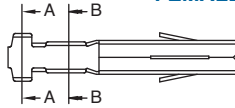
DDF-04



DMC-01-R
MALE CRIMP CONTACT



DFC-01-R
FEMALE CRIMP CONTACT



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.

Temperature Rating:

Operating temperature: -25°C to +85°C

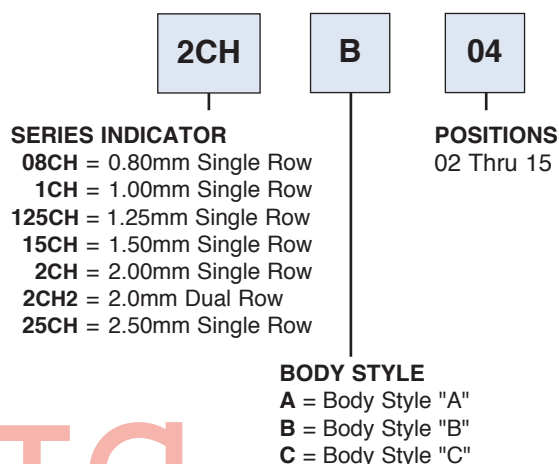
SAFETY AGENCY APPROVALS:

UL Recognized & CSA Certified, File no. E224053

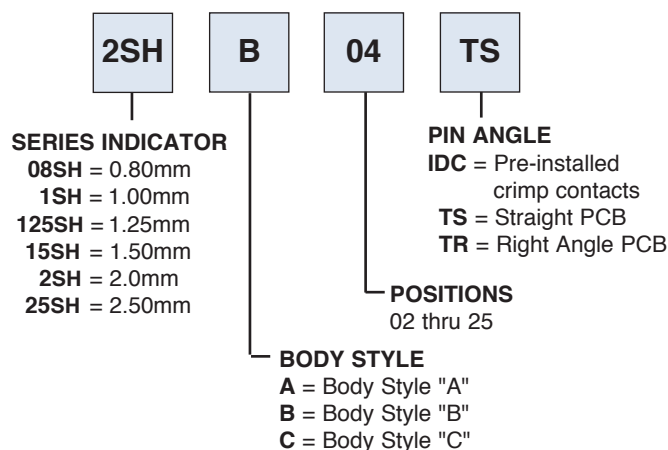
HI-TEMP
INSULATOR
AVAILABLE



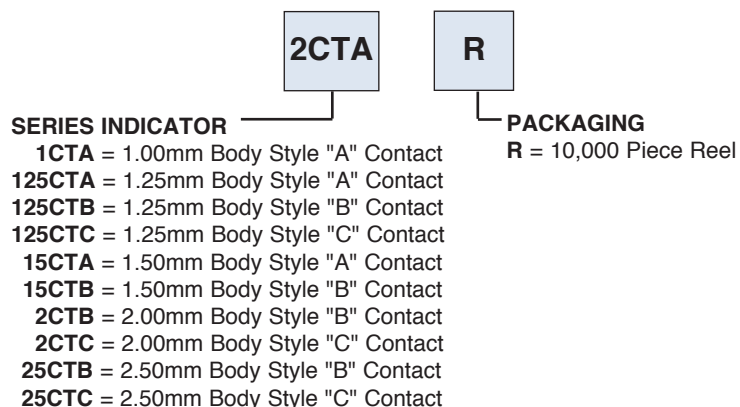
**ORDERING INFORMATION
CRIMP HOUSING**



**ORDERING INFORMATION
SHROUDED HEADER**



**ORDERING INFORMATION
CRIMP CONTACT**



OPTIONS:

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

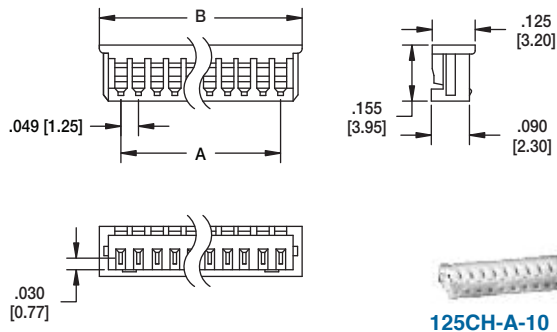
ADAM TECH HEADER & HOUSING SYSTEMS

Adam Technologies, Inc.

0.8mm & 1.00mm
08CH, 1CH & 08SH, 1SH SERIES

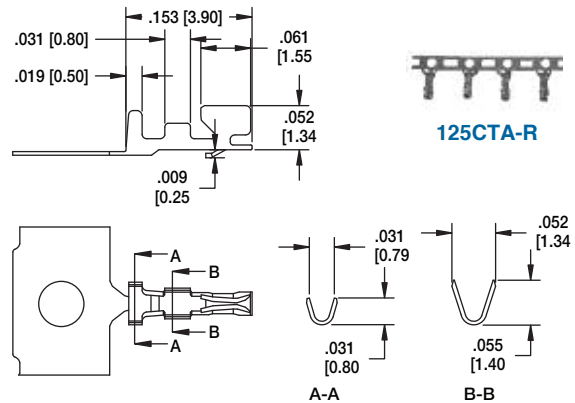
<p>08CH-A-XX-IDC 0.8mm IDC HOUSING WITH PRE-INSTALLED CONTACTS</p> <p>08CH-A-08-IDC</p> <p>A=.031 [0.80] X No. of Positions -1 B=.031 [0.80] X No. of Positions + .031 [0.80]</p>	<p>08SH-A-XX-TS-SMT 0.8mm VERTICAL SMT HEADER</p> <p>08SH-A-08-TS-SMT</p> <p>Recommended PCB Layout</p> <p>A=.031 [0.80] X No. of Positions -1 B=.031 [0.80] X No. of Positions + .031 [0.80]</p>
<p>1CH-A-XX 1.00mm CRIMP HOUSING</p> <p>1CH-A-04</p> <p>A=.039 [1.00] X No. of Positions -1 B=.039 [1.00] X No. of Positions + .118 [3.00]</p>	<p>1CTA-R 1.00mm TERMINAL</p> <p>1CTA-R</p> <p>Recommended wire size 32-28 awg.</p>
<p>1SH-A-XX-TS-SMT 1.00mm VERTICAL SMT HEADER</p> <p>1SH-A-04-TS-SMT</p> <p>Recommended PCB Layout</p> <p>A=.039 [1.00] X No. of Positions -1 B=.039 [1.00] X No. of Positions + .078 [2.00]</p>	<p>1SH-A-XX-TR-SMT 1.00mm RIGHT ANGLE SMT HEADER</p> <p>1SH-A-04-TR-SMT</p> <p>Recommended PCB Layout</p> <p>A=.039 [1.00] X No. of Positions -1 B=.039 [1.00] X No. of Positions + .078 [2.00]</p>

125CH-A-XX
1.25mm CRIMP HOUSING



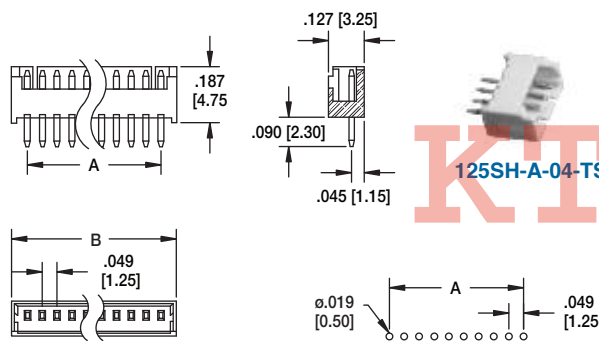
A=.049 [1.25] X No. of Positions -1
B=.049 [1.25] X No. of Positions + .068 [1.75]

125CTA-R
1.25mm CRIMP TERMINAL



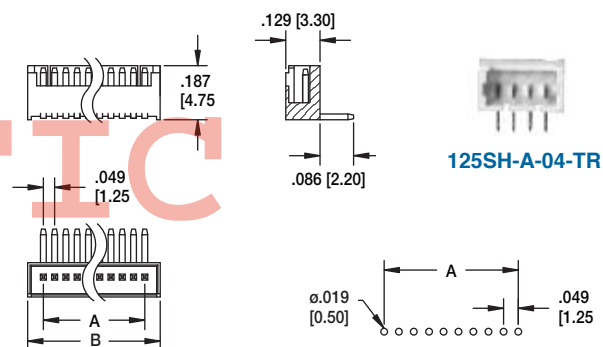
Recommended wire size 32-28 awg.

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



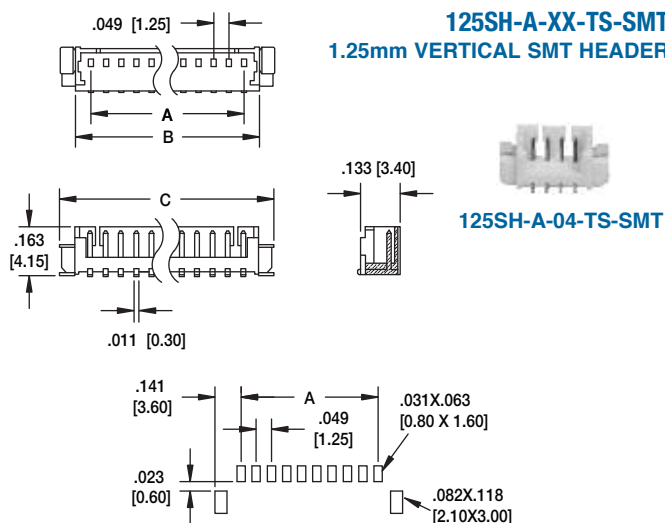
A=.049 [1.25] X No. of Positions -1
B=.049 [1.25] X No. of Positions + .068 [1.75]

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



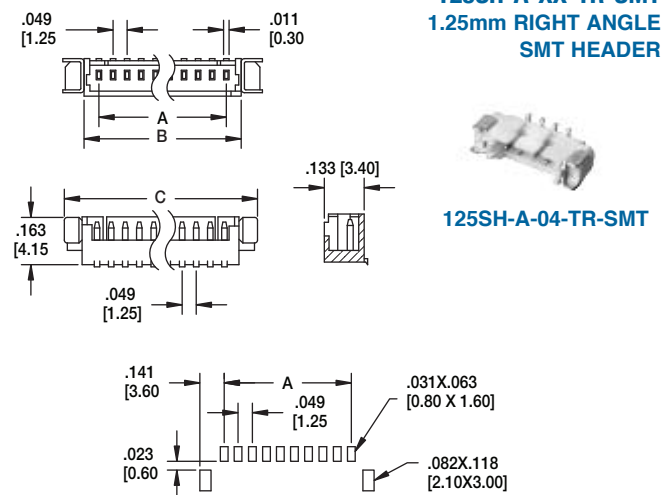
A=.049 [1.25] X No. of Positions -1
B=.049 [1.25] X No. of Positions + .068 [1.75]

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

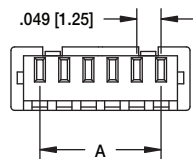


Recommended PCB Layout

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



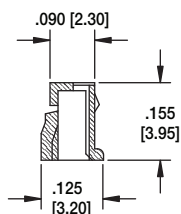
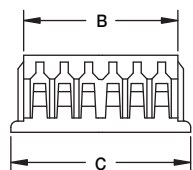
Recommended PCB Layout



125CH-B-XX
1.25mm CRIMP HOUSING



125CH-B-10

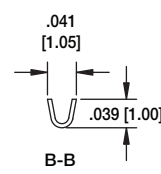
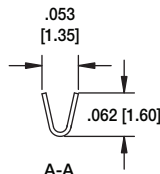
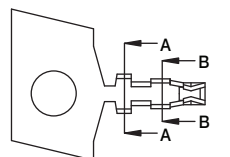


A=.049 [1.25] X No. of Positions -1
B=.049 [1.25] X No. of Positions + .017 [0.45]
C=.049 [1.25] X No. of Positions + .068 [1.75]

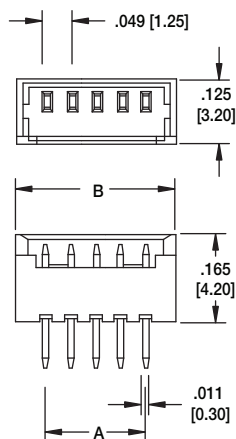


125CTB-R
1.25mm CRIMP TERMINAL

125CTB-R



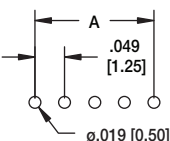
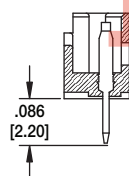
Recommended wire size 32-28 awg.



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



125SH-B-04-TS

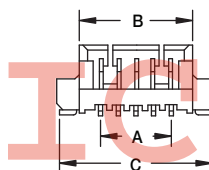


**Recommended
PCB Layout**

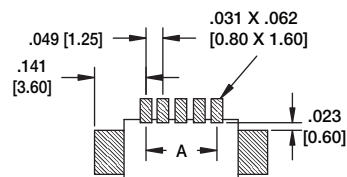
A=.049 [1.25] X No. of Positions -1
B=.049 [1.25] X No. of Positions + .068 [1.75]



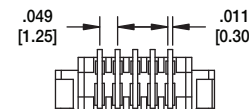
125SH-B-04-TS-SMT



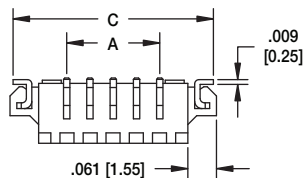
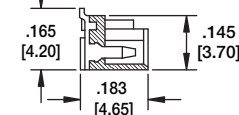
125SH-B-XX-TS-SMT
1.25mm VERTICAL SMT HEADER



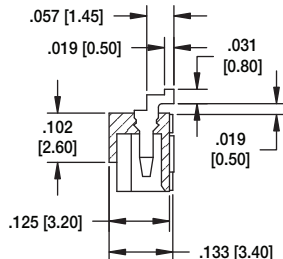
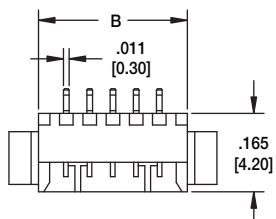
Recommended PCB Layout



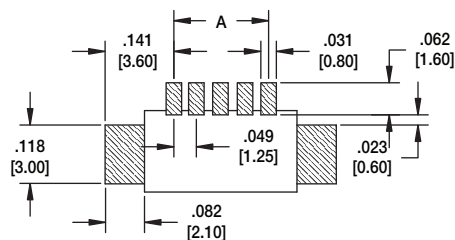
A=.049 [1.25] X No. of Positions -1
B=.049 [1.25] X No. of Positions + .068 [1.75]
C=.049 [1.25] X No. of Positions + .202 [5.15]



125SH-B-04-TR-SMT



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

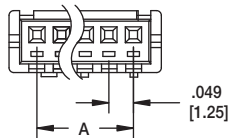
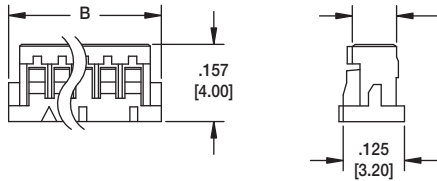
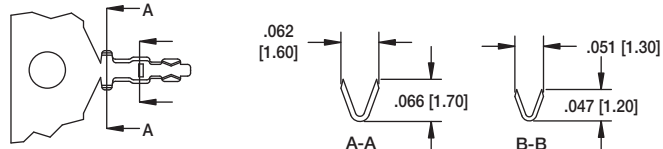
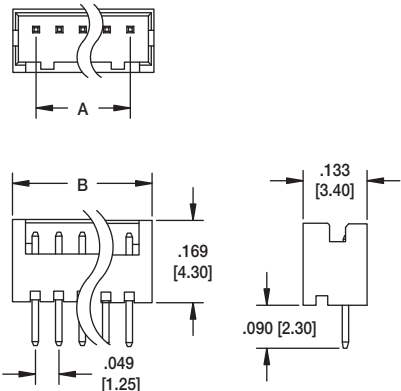
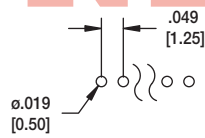
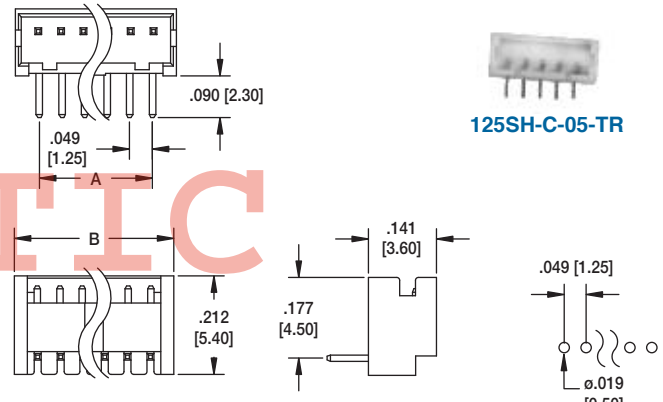
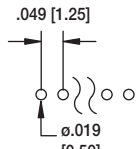
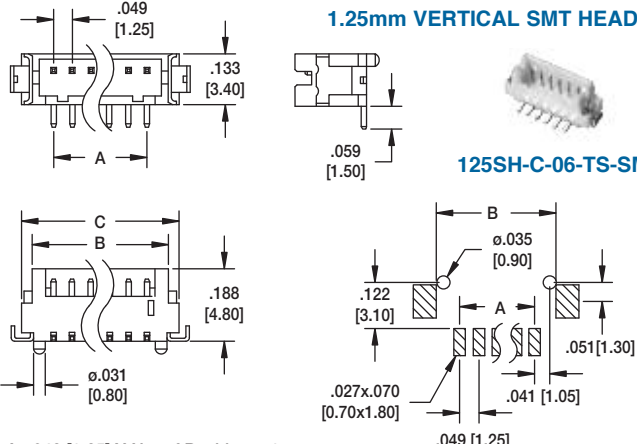
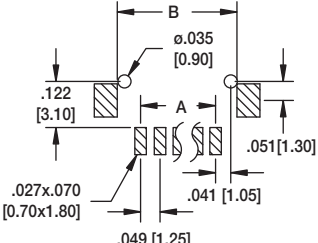
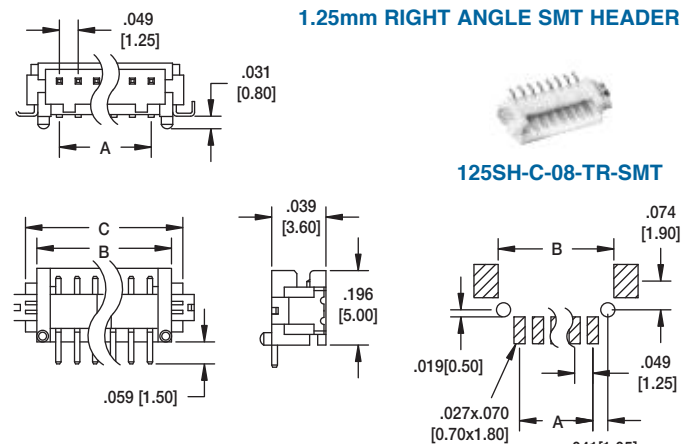
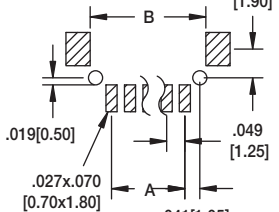


**Recommended
PCB Layout**

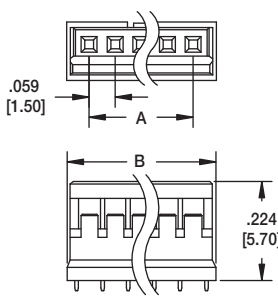
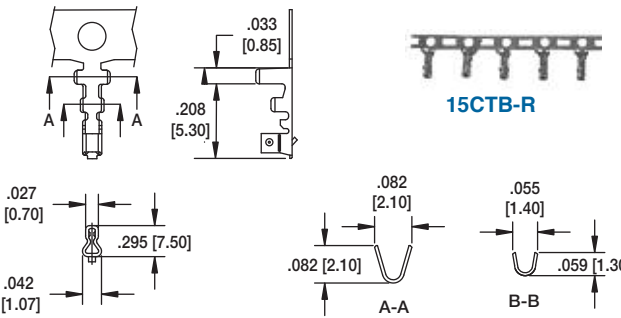
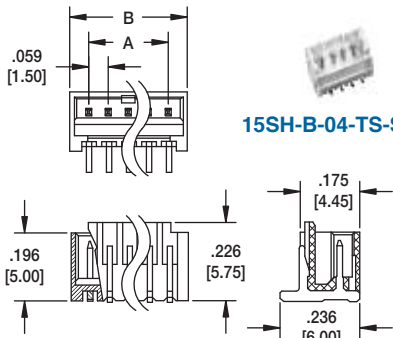
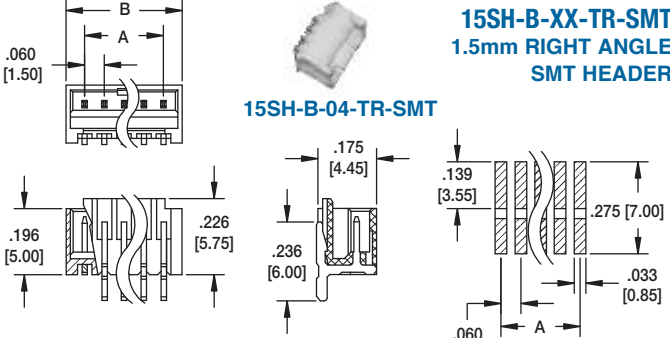
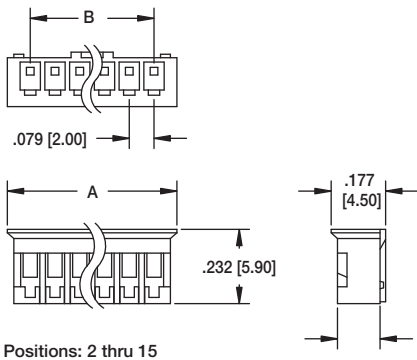
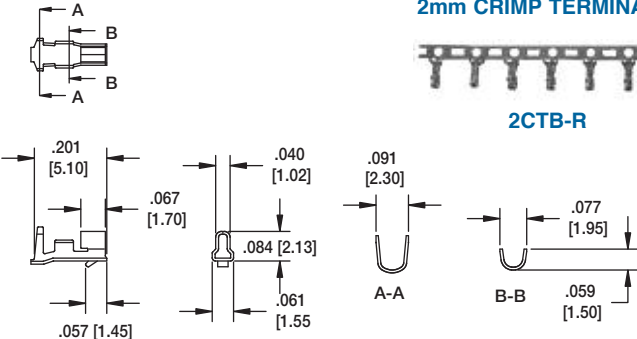
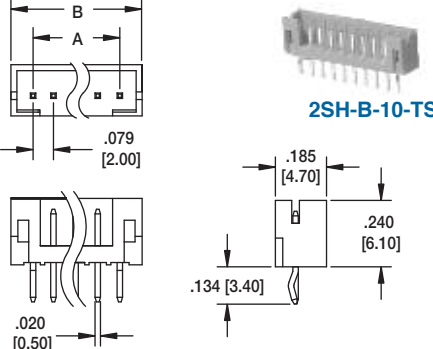
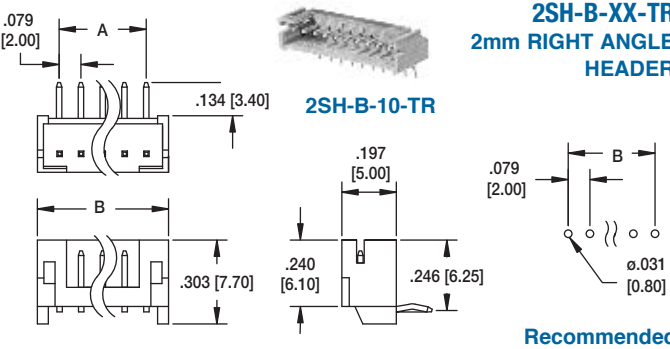
A=.049 [1.25] X No. of Positions -1
B=.049 [1.25] X No. of Positions + .068 [1.75]
C=.049 [1.25] X No. of Positions + .187 [4.75]

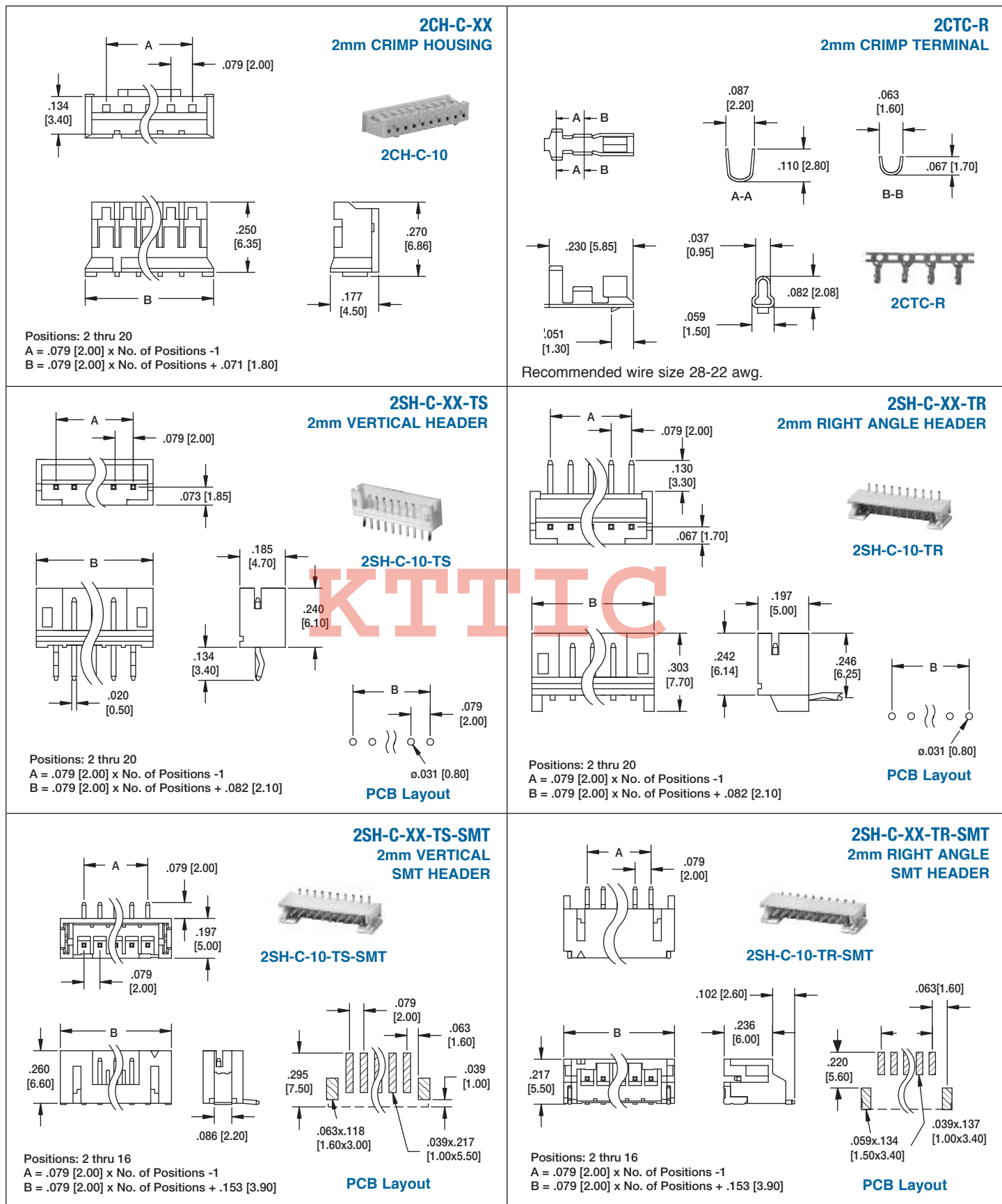
Adam Technologies, Inc.

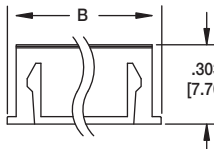

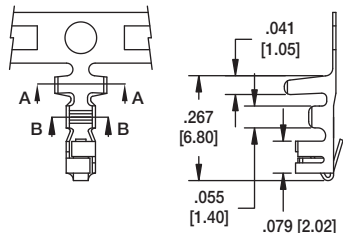

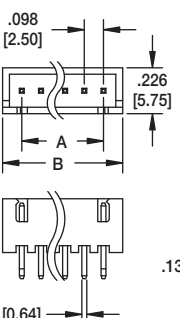

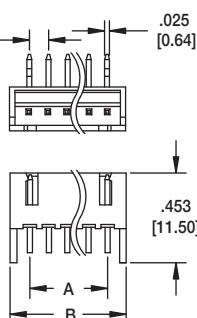

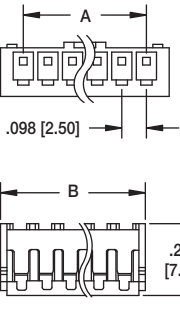

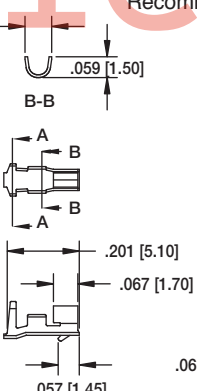

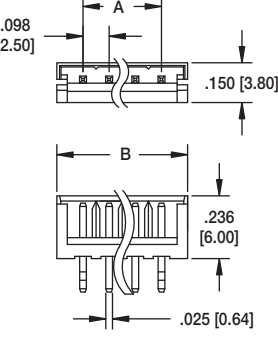

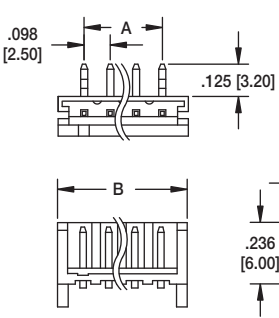

1.25mm Type C
125CH & 125SH SERIES

<div><p>125CH-C-XX 1.25mm CRIMP HOUSING</p><p>125CH-C-05</p><p>A=.049 [1.25] X No. of Positions -1 B=.049 [1.25] X No. of Positions + .065 [1.65]</p></div>	<div><p>125CTC-R 1.25mm CRIMP TERMINAL</p><p>125CTC-R</p><p>Recommended wire size 28-32 awg.</p></div>
<div><p>125SH-C-XX-TS 1.25mm VERTICAL HEADER</p><p>125SH-C-05-TS</p><p>Recommended PCB Layout</p><p>A=.049 [1.25] X No. of Positions -1 B=.049 [1.25] X No. of Positions + .049 [1.25]</p></div>	<div><p>125SH-C-XX-TR 1.25mm RIGHT ANGLE HEADER</p><p>125SH-C-05-TR</p><p>Recommended PCB Layout</p><p>A=.049 [1.25] X No. of Positions -1 B=.049 [1.25] X No. of Positions + .049 [1.25]</p></div>
<div><p>125SH-C-XX-TS-SMT 1.25mm VERTICAL SMT HEADER</p><p>125SH-C-06-TS-SMT</p><p>Recommended PCB Layout</p><p>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]</p></div>	<div><p>125SH-C-XX-TR-SMT 1.25mm RIGHT ANGLE SMT HEADER</p><p>125SH-C-08-TR-SMT</p><p>Recommended PCB Layout</p><p>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]</p></div>

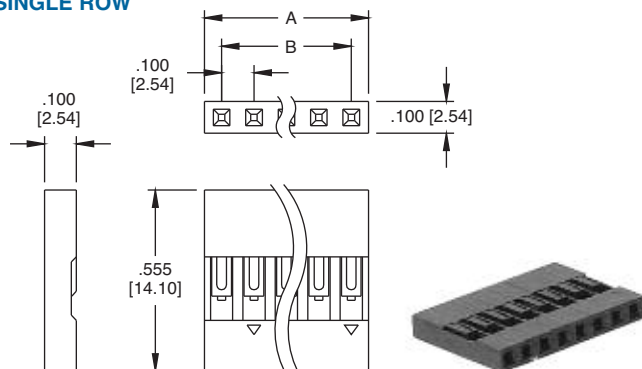
<p>15CH-A-XX 1.5mm CRIMP HOUSING</p> <p>15CH-A-10</p> <p>A=.060 [1.50] X No. of Positions -1 B=.060 [1.50] X No. of Positions + .059 [1.50]</p>	<p>15CTA-R 1.5mm CRIMP TERMINAL</p> <p>Recommended wire size 26-30 awg.</p>
<p>15SH-A-XX-TS 1.5mm VERTICAL HEADER</p> <p>15SH-A-04-TS</p> <p>A=.019 [0.50] X NO. of Positions -1 B=.019 [0.50] X NO. OF SPACES +.059 [1.50]</p> <p>Recommended PCB Layout</p>	<p>15SH-A-XX-TR 1.5mm RIGHT ANGLE HEADER</p> <p>15SH-A-04-TR</p> <p>A=.019 [0.50] X NO. of Positions -1 B=.019 [0.50] X NO. OF SPACES +.059 [1.50]</p> <p>Recommended PCB Layout</p>
<p>15SH-A-XX-TS-SMT 1.5mm VERTICAL SMT HEADER</p> <p>15SH-A-04-TS-SMT</p> <p>A=.060 [1.50] X No. of Positions -1 C=.060 [1.50] X No. of Positions + .118 [3.00]</p> <p>Recommended PCB Layout</p>	<p>15SH-A-XX-TR-SMT 1.5mm RIGHT ANGLE SMT HEADER</p> <p>15SH-A-04-TR-SMT</p> <p>A=.060 [1.50] X No. of Positions -1 C=.060 [1.50] X No. of Positions + .118 [3.00]</p> <p>Recommended PCB Layout</p>

<p>15CH-B-XX 1.5mm CRIMP HOUSING</p>  <p>15CH-B-05</p> <p>A=.059 [1.50] X No. of Positions -1 B=.059 [1.50] X No. of Positions +.043 [1.10]</p>	<p>Recommended wire size 28-24 awg.</p> <p>15CTB-R 1.5mm CRIMP TERMINAL</p>  <p>15CTB-R</p>
<p>15SH-B-XX-TS-SMT 1.5mm VERTICAL SMT HEADER</p>  <p>15SH-B-04-TS-SMT</p> <p>A=.059 [1.50] X No. of Positions -1 B=.059 [1.50] X No. of Positions +.051 [1.30]</p>	<p>15SH-B-XX-TR-SMT 1.5mm RIGHT ANGLE SMT HEADER</p>  <p>15SH-B-04-TR-SMT</p> <p>A=.059 [1.50] X No. of Positions -1 B=.059 [1.50] X No. of Positions +.051 [1.30]</p> <p>Recommended PCB Layout</p>
<p>2CH-B-XX 2mm CRIMP HOUSING</p>  <p>2CH-B-10</p> <p>Positions: 2 thru 15 A = .079 [2.00] x No. of Positions -1 B = .079 [2.00] x No. of Positions +.063 [1.60]</p>	<p>Recommended wire size 28-22 awg.</p> <p>2CTB 2mm CRIMP TERMINAL</p>  <p>2CTB-R</p>
<p>2SH-B-XX-TS 2mm VERTICAL HEADER</p>  <p>2SH-B-10-TS</p> <p>A = .079 [2.00] x No. of Positions -1 B = .079 [2.00] x No. of Positions +.078 [2.00]</p> <p>Recommended PCB Layout</p>	<p>2SH-B-XX-TR 2mm RIGHT ANGLE HEADER</p>  <p>2SH-B-10-TR</p> <p>A = .079 [2.00] x No. of Positions -1 B = .079 [2.00] x No. of Positions +.078 [2.00]</p> <p>Recommended PCB Layout</p>



<div><p>25CH-B-XX 2.5mm CRIMP HOUSING</p><p>25CH-B-03</p><p>Positions: 2 thru 20 A = .098 [2.50] x No. of Positions -1 B = .098 [2.50] x No. of Positions + .189 [4.80]</p></div>	<div><p>25CTB-R 2.5mm CRIMP TERMINAL</p><p>25CTB-R</p><p>Recommended wire size 28-24 awg.</p></div>
<div><p>25SH-B-XX-TS 2.5mm VERTICAL HEADER</p><p>25SH-B-03-TS</p><p>Positions: 2 thru 20 A = .098 [2.50] x No. of Positions -1 B = .098 [2.50] x No. of Positions + .102 [2.60]</p></div>	<div><p>25SH-B-XX-TR 2.5mm RIGHT ANGLE HEADER</p><p>25SH-B-03-TR</p><p>Positions: 2 thru 20 A = .098 [2.50] x No. of Positions -1 B = .098 [2.50] x No. of Positions + .102 [2.60]</p><p>PCB Layout</p></div>
<div><p>25CH-C-XX 2.5mm CRIMP HOUSING</p><p>25CH-C-05</p><p>Positions: 2 thru 20 A = .098 [2.50] x No. of Positions -1 B = .098 [2.50] x No. of Positions + .178 [2.00]</p></div>	<div><p>25CTC-R 2.5mm CRIMP TERMINAL</p><p>25CTC-R</p><p>Recommended wire size 28-24 awg.</p><p>PCB Layout</p></div>
<div><p>25SH-C-XX-TS 2.5mm VERTICAL HEADER</p><p>25SH-C-04-TS</p><p>Positions: 2 thru 15 A = .098 [2.50] x No. of Positions -1 B = .098 [2.50] x No. of Positions + .198 [2.50]</p><p>PCB Layout</p></div>	<div><p>25SH-C-XX-TR 2.5mm RIGHT ANGLE HEADER</p><p>25SH-C-04-TR</p><p>Positions: 2 thru 15 A = .098 [2.50] x No. of Positions -1 B = .098 [2.50] x No. of Positions + .198 [2.50]</p><p>PCB Layout</p></div>

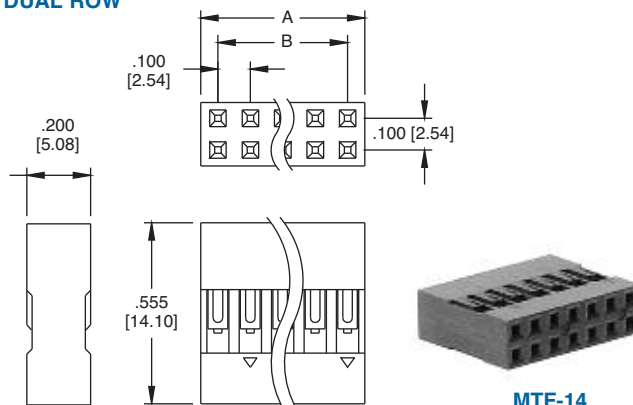
**MTE
SINGLE ROW**



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

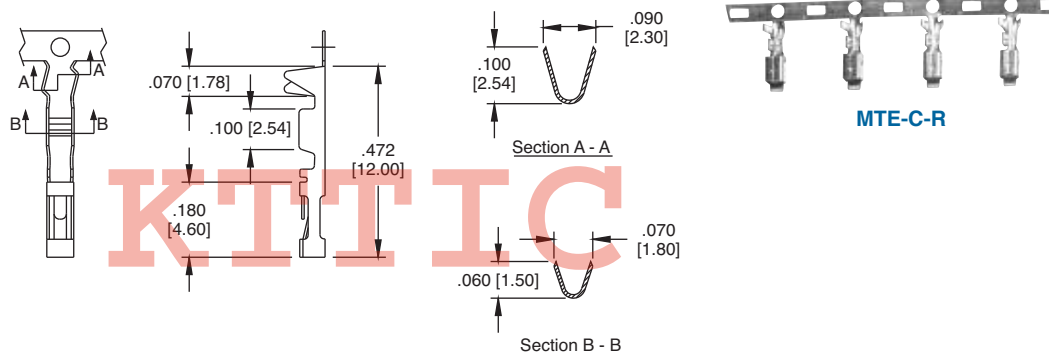
MTE-08

**MTF
DUAL ROW**



MTF-14

**MTE-C
CRIMP CONTACT**



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 Technologies, Inc.

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:

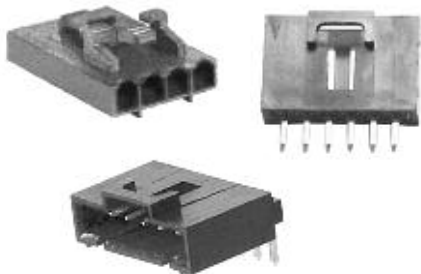
Anti-ESD plastic bags

SAFETY AGENCY APPROVALS:

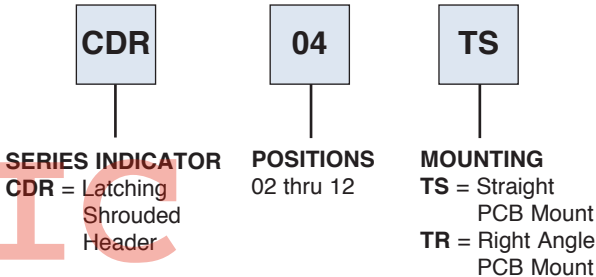
UL Recognized & CSA Certified, File no. E224053



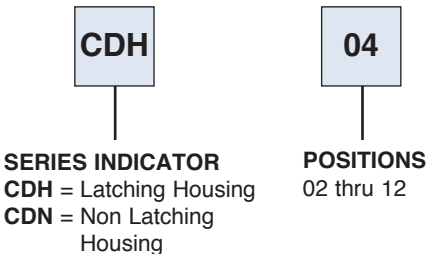
**.100" LATCHING
HEADER & HOUSING**
.100" [2.54] STRAIGHT
& RIGHT ANGLE
CDR SERIES



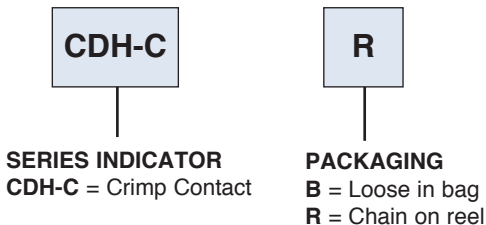
HEADER ORDERING INFORMATION



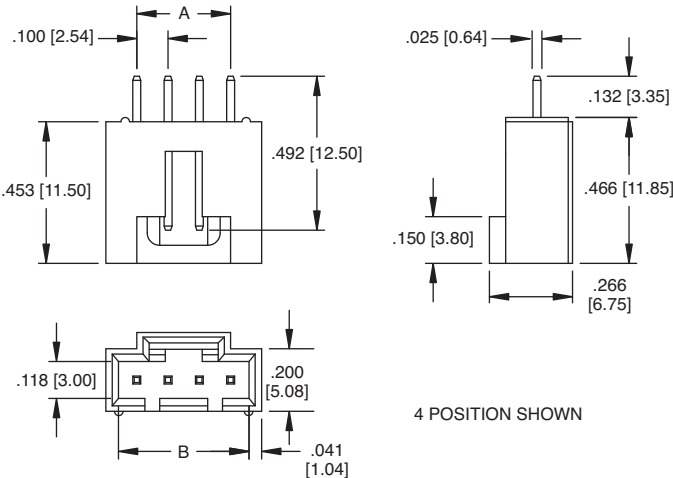
HOUSING ORDERING INFORMATION



CONTACT ORDERING INFORMATION

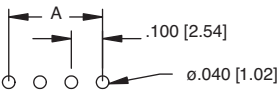


CDR
STRAIGHT PCB MOUNT



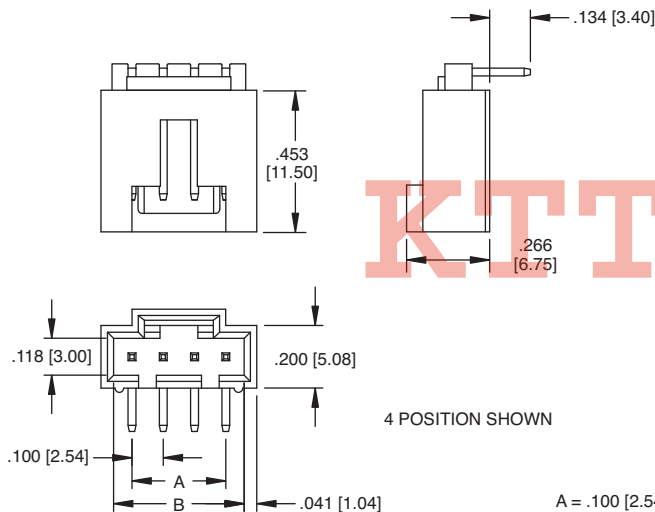
A = .100 [2.54] X No. of SPACES
B = .100 [2.54] X No. of SPACES + .200 [5.08]

CDR-06-TS



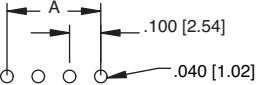
Recommended PCB Layout

CDR
RIGHT ANGLE PCB MOUNT



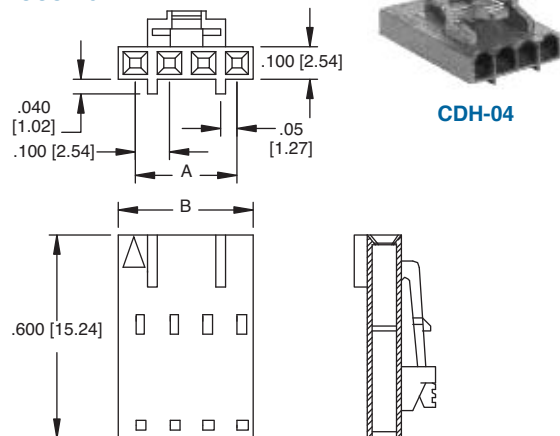
A = .100 [2.54] X No. of SPACES
B = .100 [2.54] X No. of SPACES + .200 [5.08]

CDR-06-TR



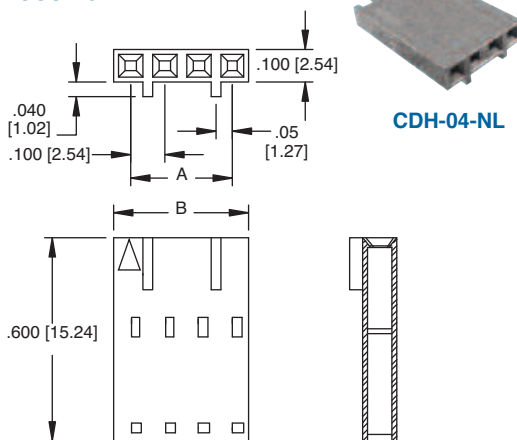
Recommended PCB Layout

CDH
HOUSING



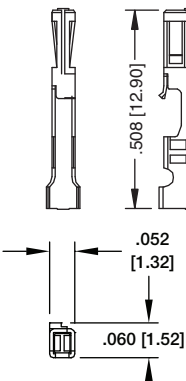
CDH-04

CDH
HOUSING



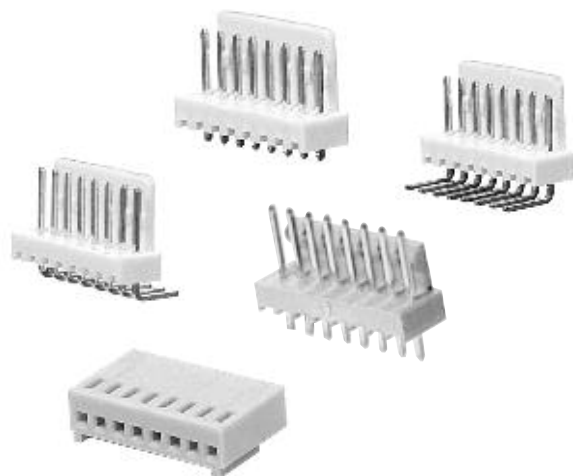
CDH-04-NL

CDH-C-R
CONTACT



Recommended
wire size 24-28 awg.

.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

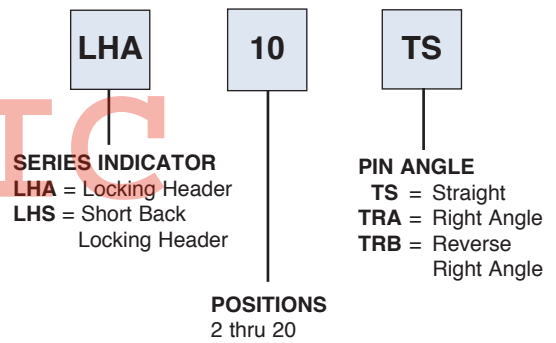
SAFETY AGENCY APPROVALS:

UL Recognized & CSA Certified, File no. E224053

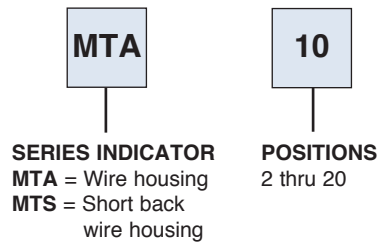
KTTC

ORDERING INFORMATION

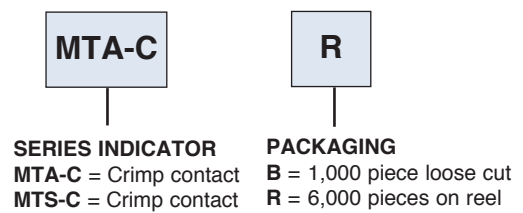
FRICTION LOCK HEADER

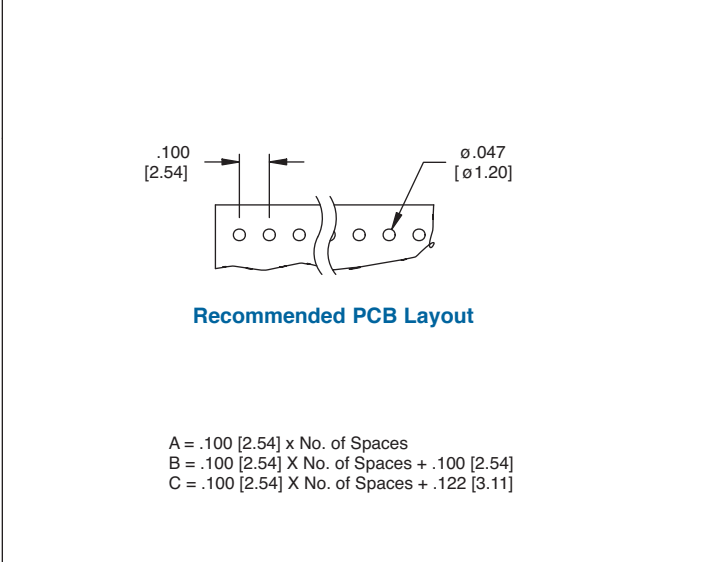
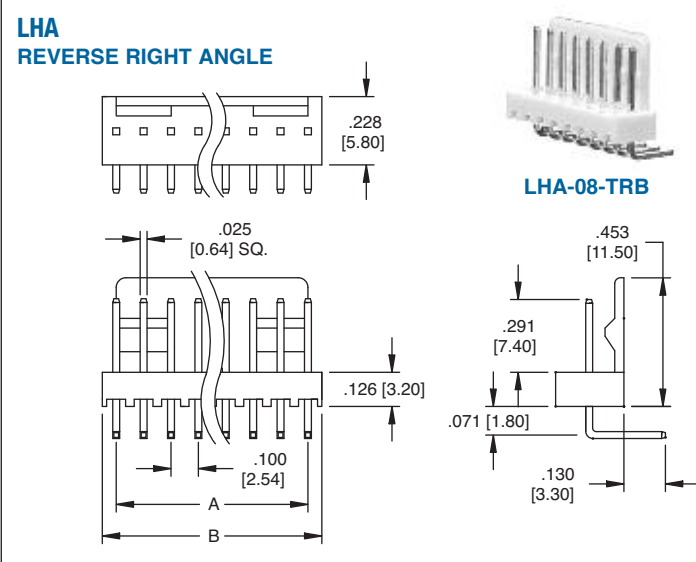
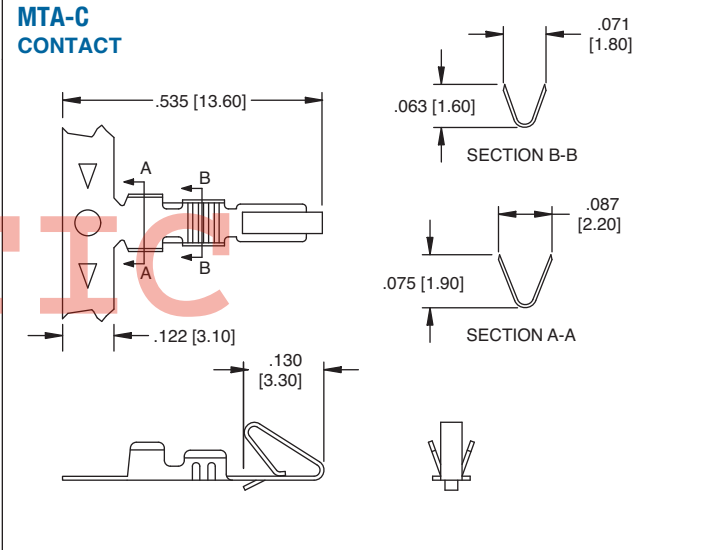
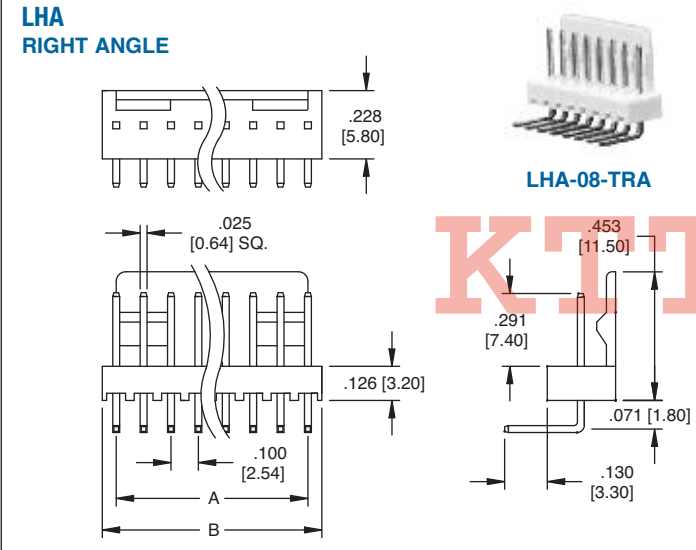
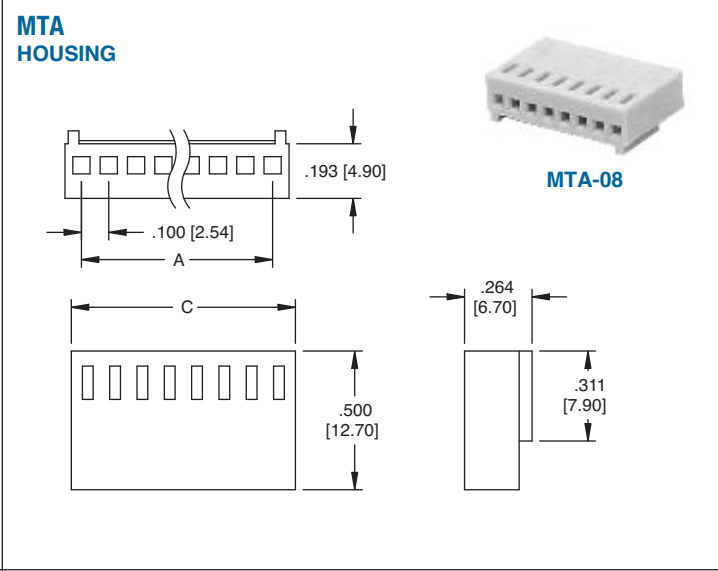
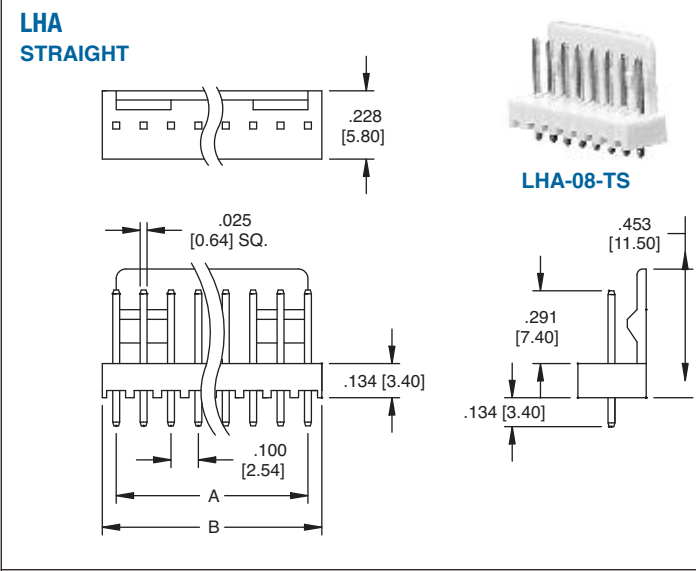


HOUSING

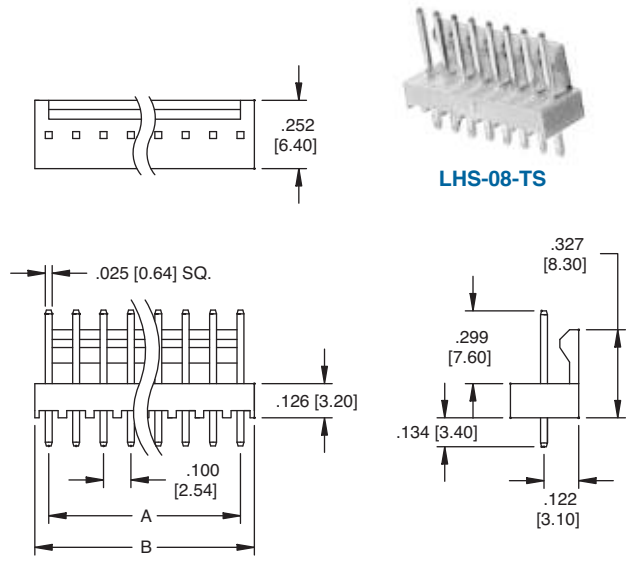


CRIMP CONTACT





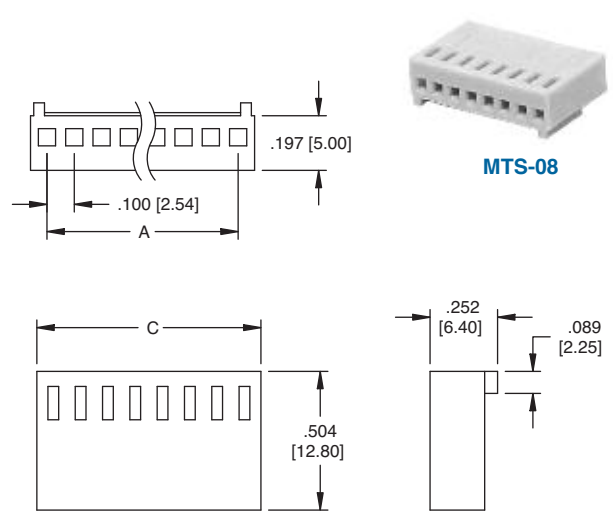
LHS
STRAIGHT PCB MOUNT



LHS-08-TS

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

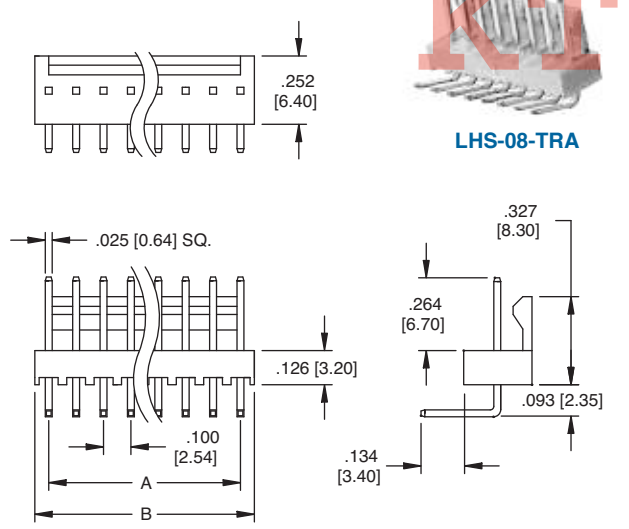
MTS
HOUSING



MTS-08

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

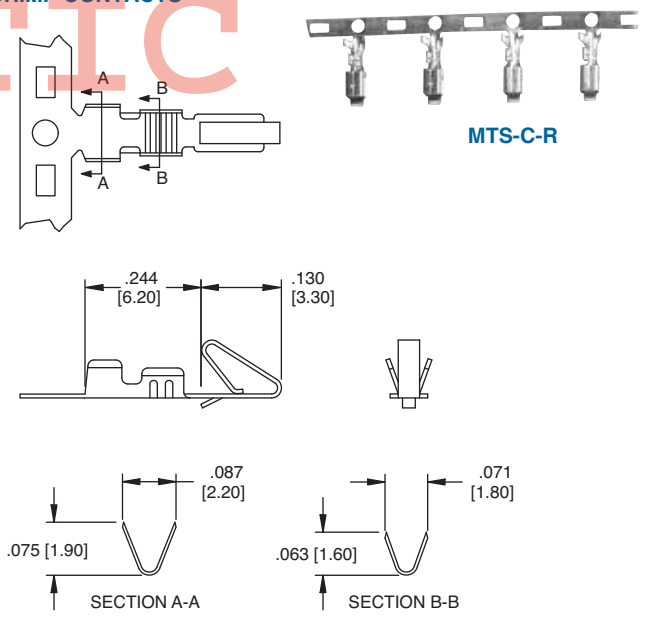
LHS
RIGHT ANGLE PCB MOUNT



LHS-08-TRA

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

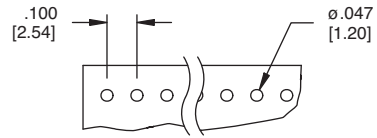
MTS-C
CRIMP CONTACTS



MTS-C-R

SECTION A-A

SECTION B-B



Recommended PCB Layout

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:

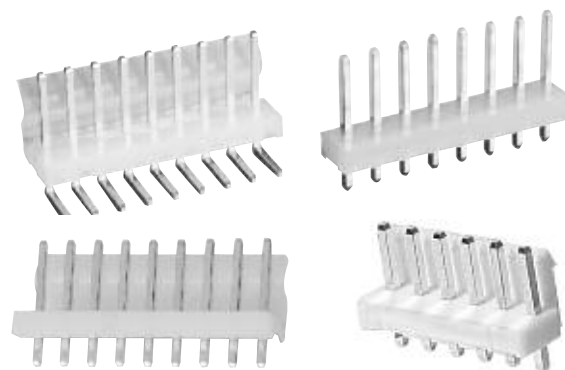
Operating temperature: -25°C to +85°C

PACKAGING:

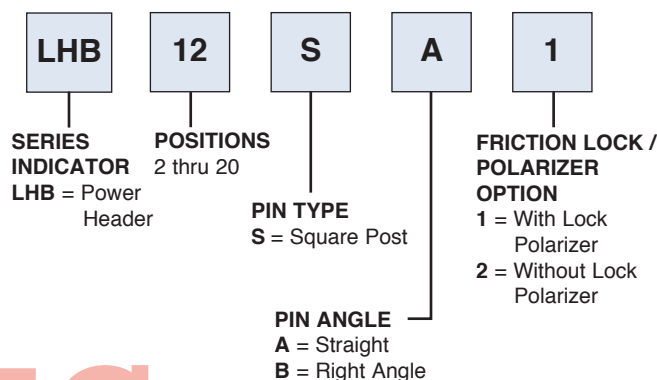
Anti-static plastic bags

APPROVALS AND CERTIFICATIONS:

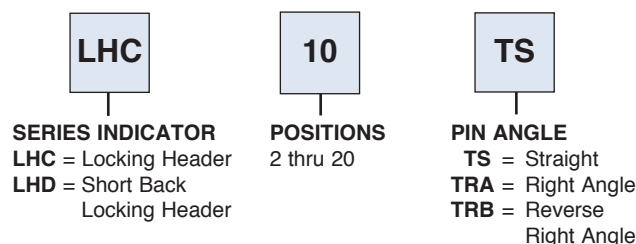
UL Recognized & CSA Certified, File no. E224053



POWER HEADER



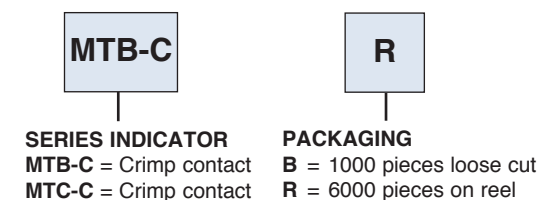
POWER HEADER

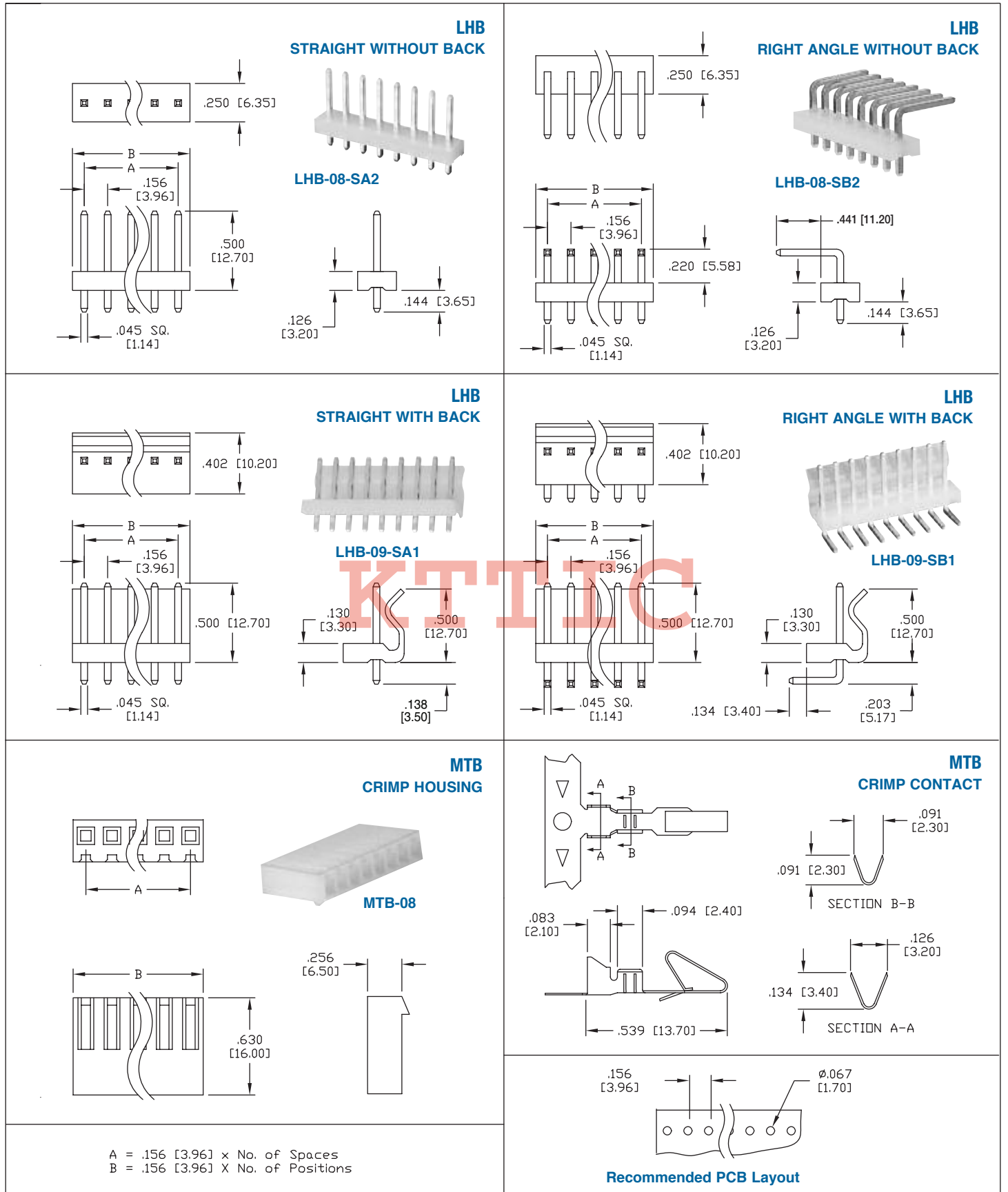


HOUSING



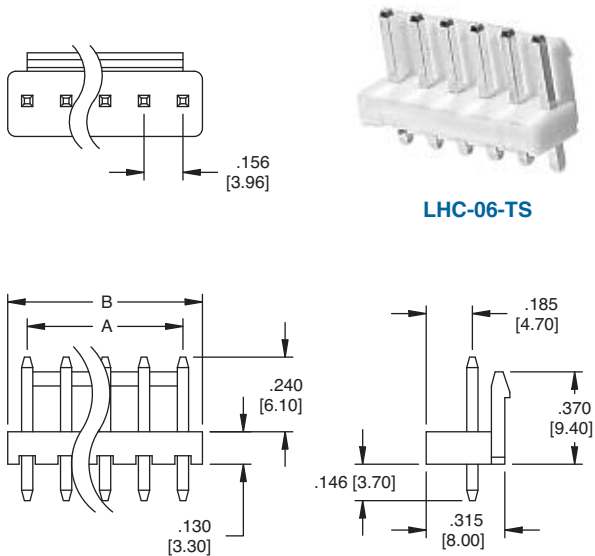
CRIMP CONTACT





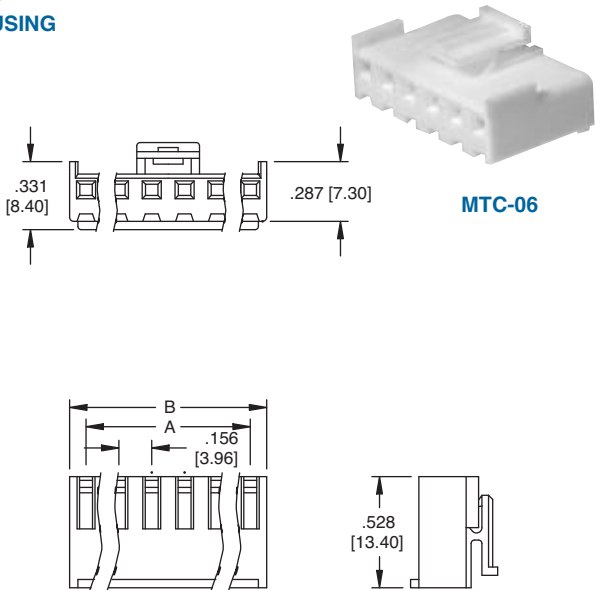
A = .156 [3.96] x No. of Spaces
B = .156 [3.96] X No. of Positions

LHC
STRAIGHT WITH REAR LOCK



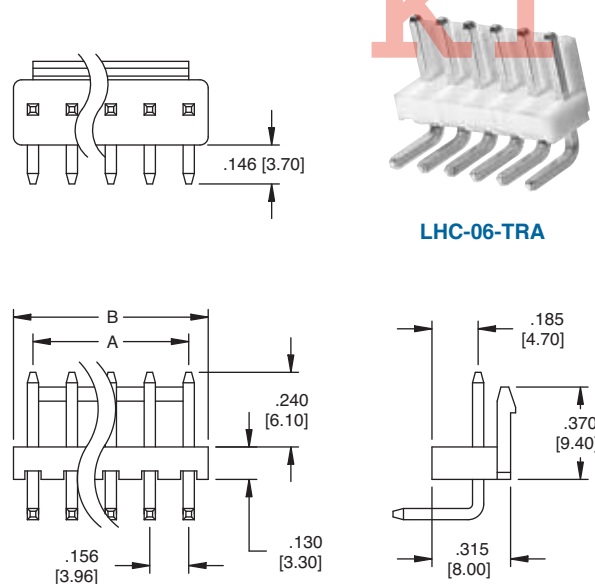
LHC-06-TS

MTC
HOUSING



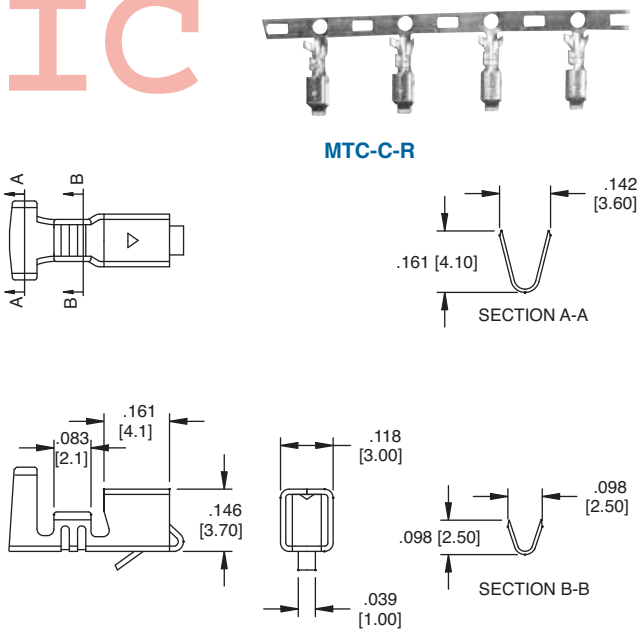
MTC-06

LHC
RIGHT ANGLE WITH REAR LOCK



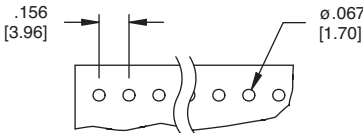
LHC-06-TRA

MTC-C
CRIMP CONTACTS



MTC-C-R

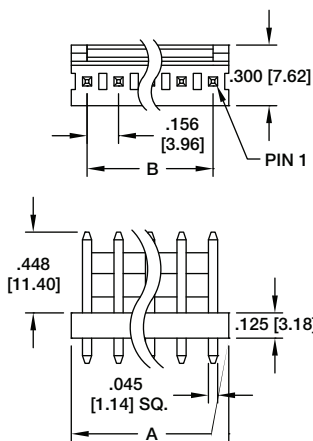
A = .156 [3.96] x No. of Spaces
B = .156 [3.96] X No. of Spaces + .156 [3.96]



Recommended PCB Layout

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

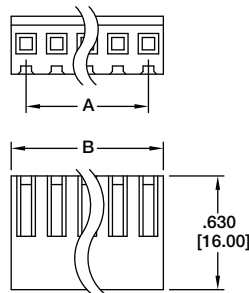
LHD
STRAIGHT PBC MOUNT



LHD-06-TS

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

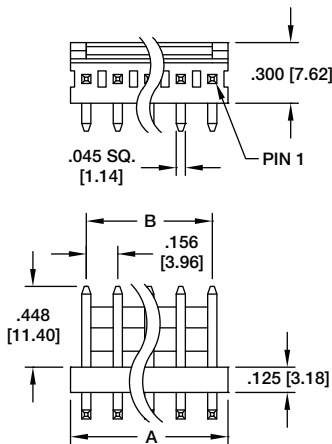
MTB
HOUSING



MTB-08

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

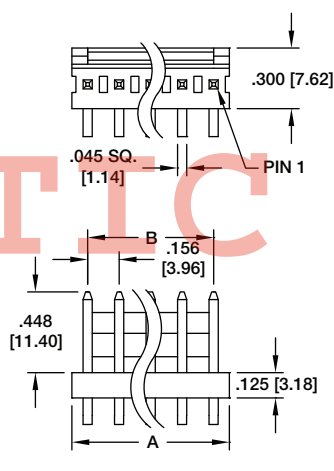
LHD
RIGHT ANGLE
PCB MOUNT



LHD-06-TRA

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

LHD
REVERSE RIGHT ANGLE
PCB MOUNT

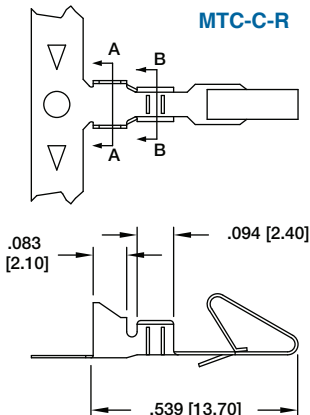


LHD-06-TRB

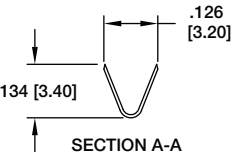


MTC-C
CRIMP CONTACT

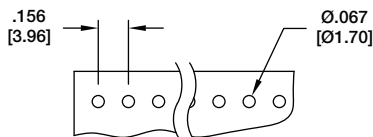
MTC-C-R



SECTION B-B



SECTION A-A



Recommended PCB Layout