

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

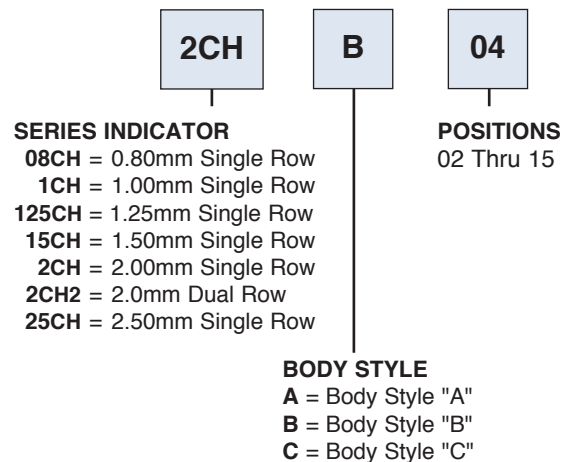
SAFETY AGENCY APPROVALS:

UL Recognized & CSA Certified, File no. E224053

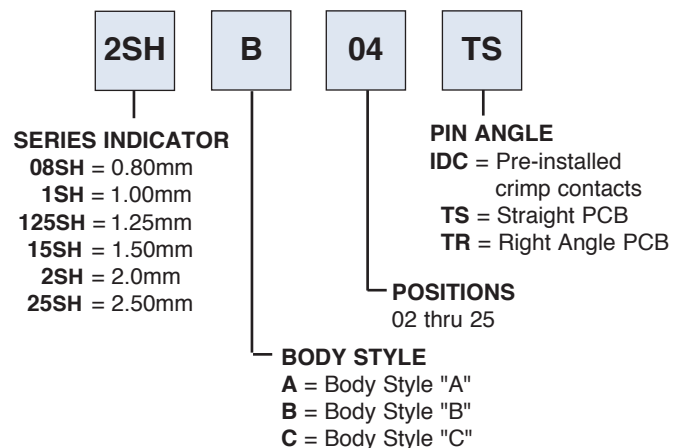
HI-TEMP
INSULATOR
AVAILABLE



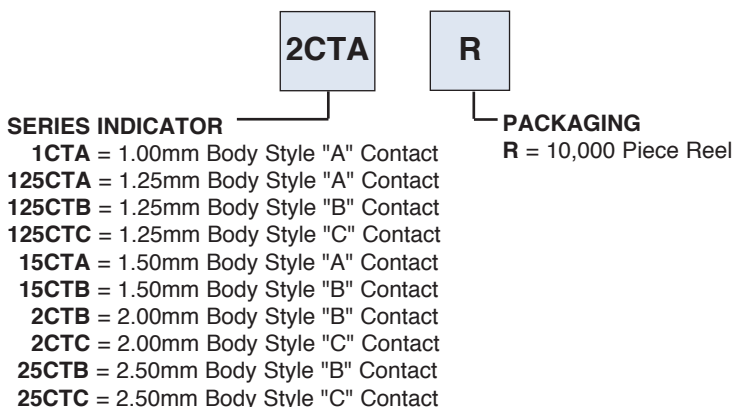
ORDERING INFORMATION CRIMP HOUSING



ORDERING INFORMATION SHROUDED HEADER



ORDERING INFORMATION CRIMP CONTACT

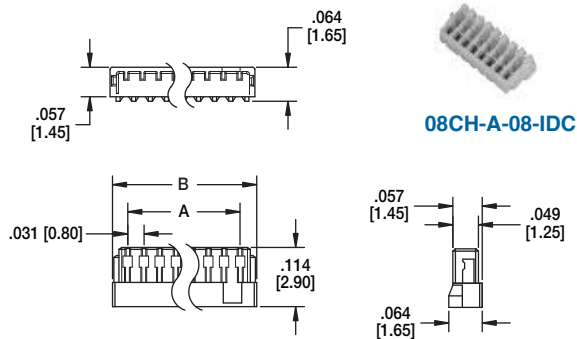


OPTIONS:

Add designator(s) to end of part number

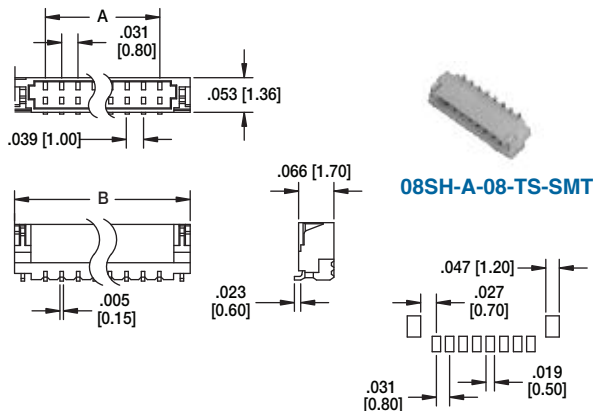
SMT = Surface mount leads with Hi-Temp insulator

08CH-A-XX-IDC 0.8mm IDC HOUSING WITH PRE-INSTALLED CONTACTS



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

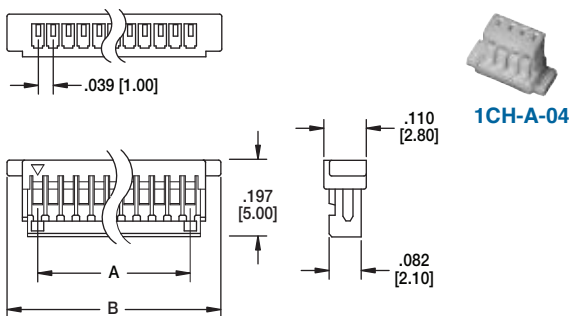
08SH-A-XX-TS-SMT 0.8mm VERTICAL SMT HEADER



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

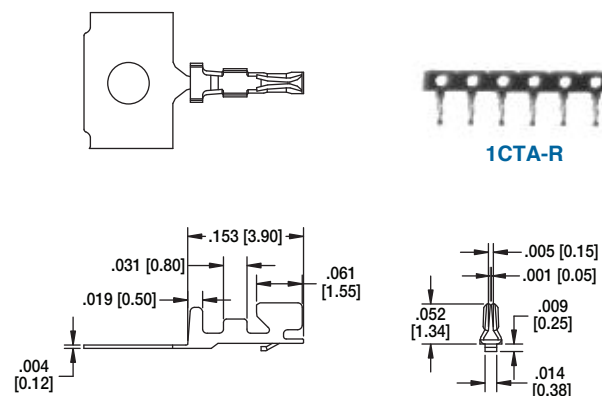
**Recommended
PCB Layout**

1CH-A-XX 1.00mm CRIMP HOUSING



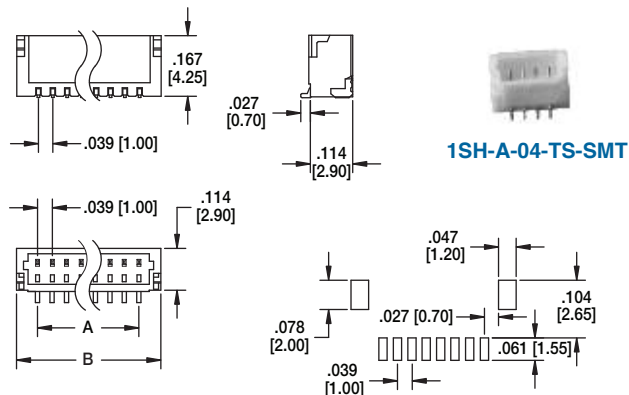
A=.039 [1.00] X No. of Positions -1
B=.039 [1.00] X No. of Positions + .118 [3.00]

1CTA-R 1.00mm TERMINAL



Recommended wire size 32-28 awg.

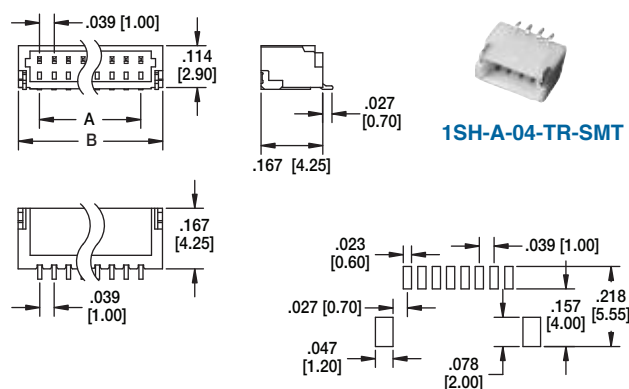
1SH-A-XX-TS-SMT 1.00mm VERTICAL SMT HEADER



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

**Recommended
PCB Layout**

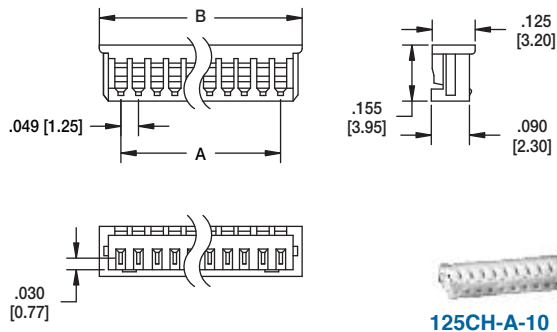
1SH-A-XX-TR-SMT 1.00mm RIGHT ANGLE SMT HEADER



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

**Recommended
PCB Layout**

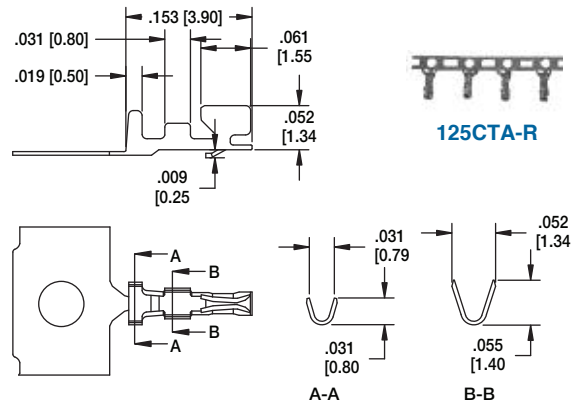
125CH-A-XX 1.25mm CRIMP HOUSING



125CH-A-10

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

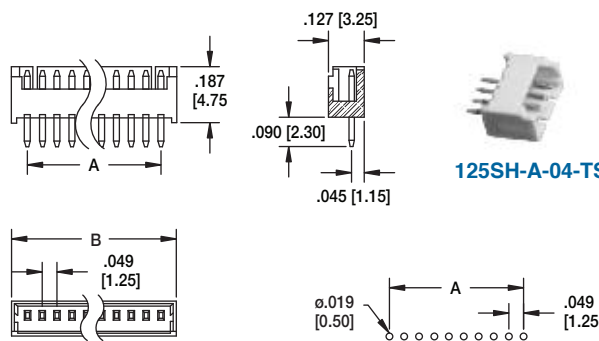
125CTA-R 1.25mm CRIMP TERMINAL



125CTA-R

Recommended wire size 32-28 awg.

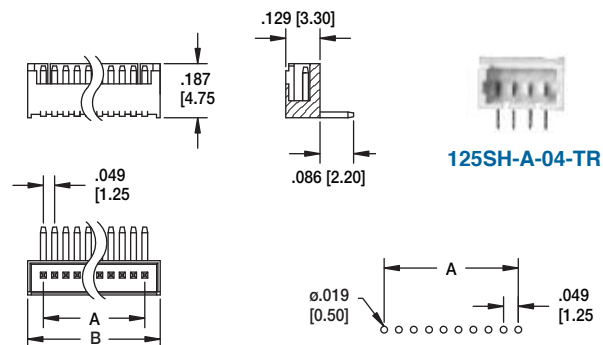
125SH-A-XX-TS 1.25mm VERTICAL HEADER



125SH-A-04-TS

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

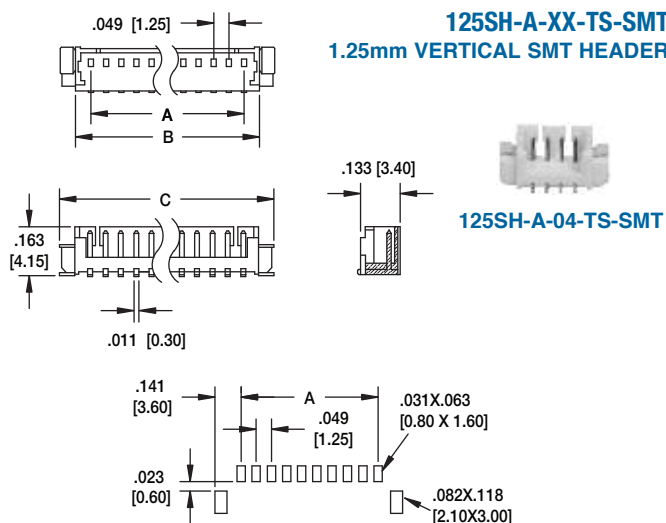
125SH-A-XX-TR 1.25mm RIGHT ANGLE HEADER



125SH-A-04-TR

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

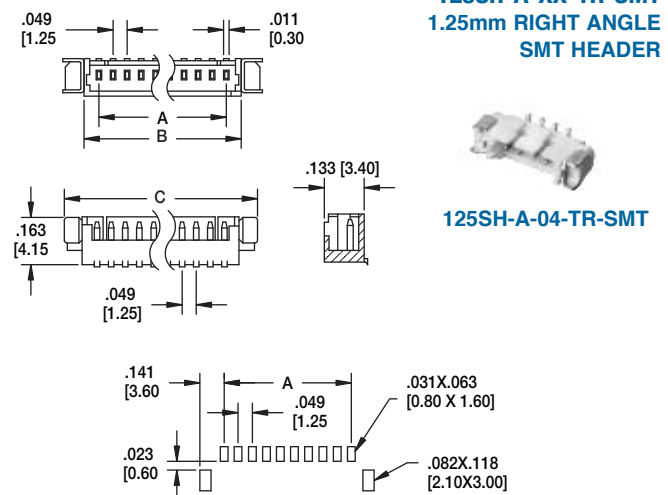
125SH-A-XX-TS-SMT 1.25mm VERTICAL SMT HEADER



125SH-A-04-TS-SMT

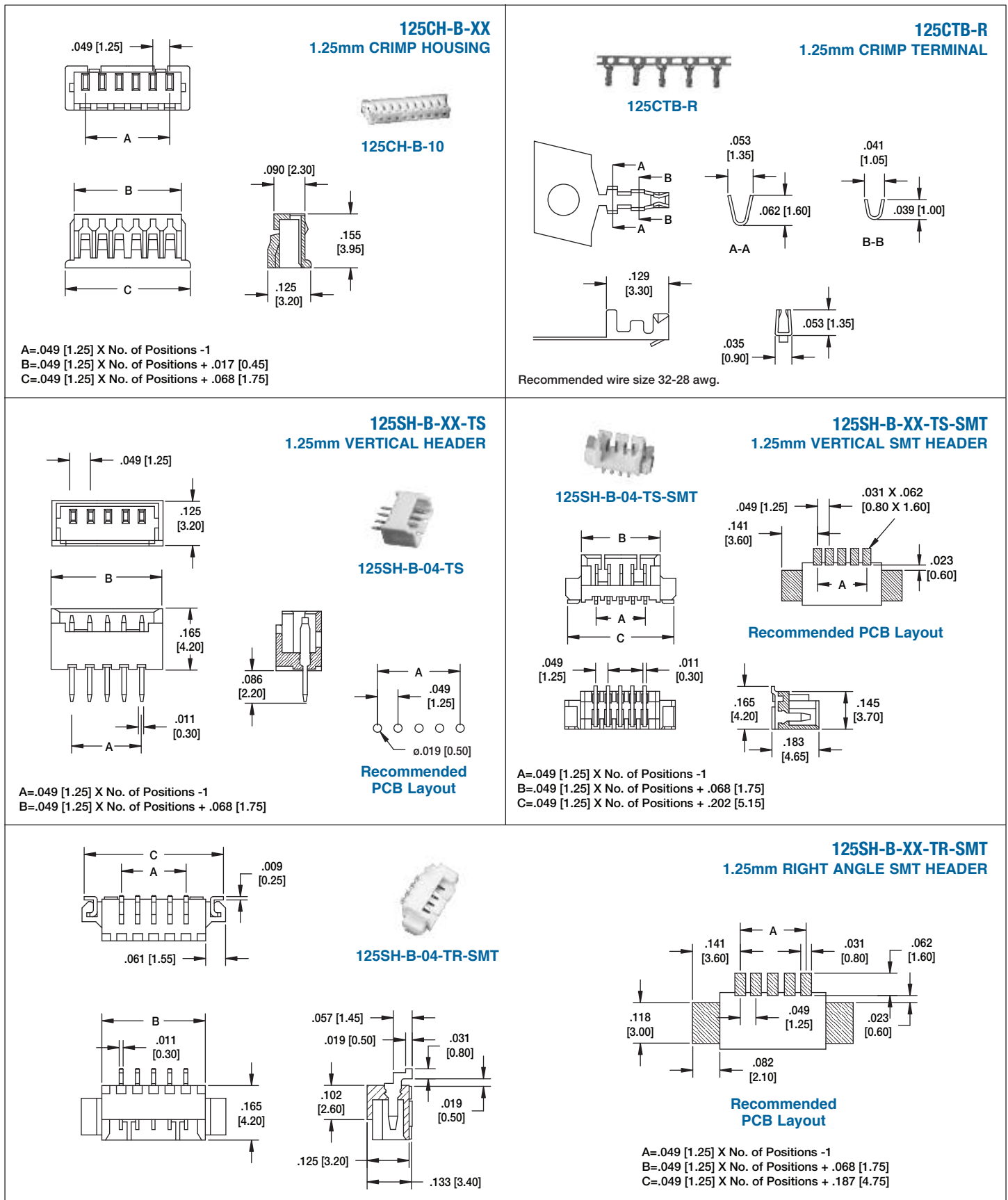
Recommended PCB Layout

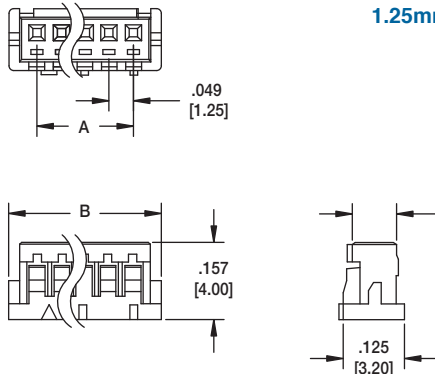
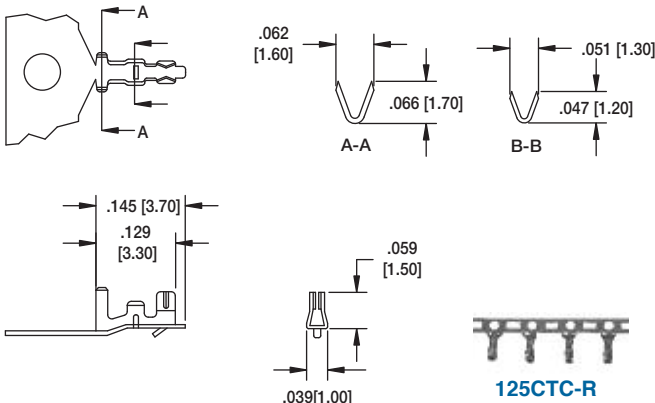
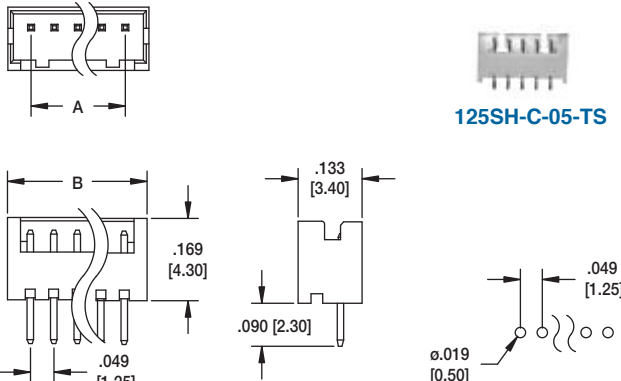
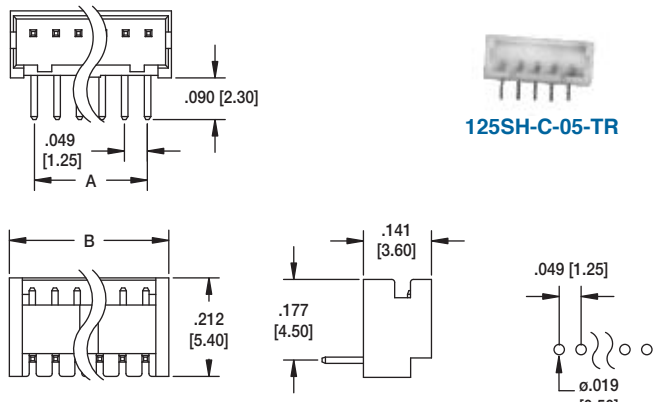
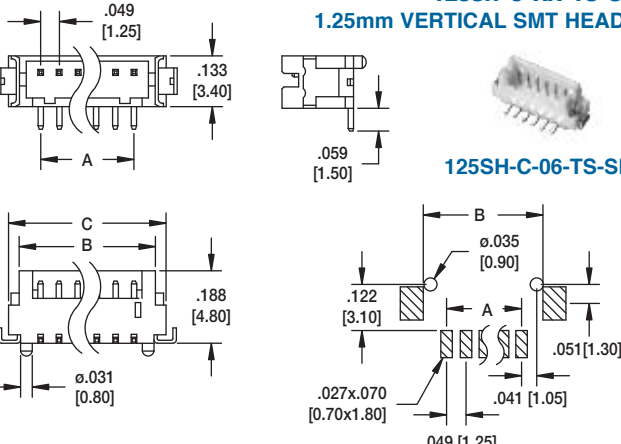
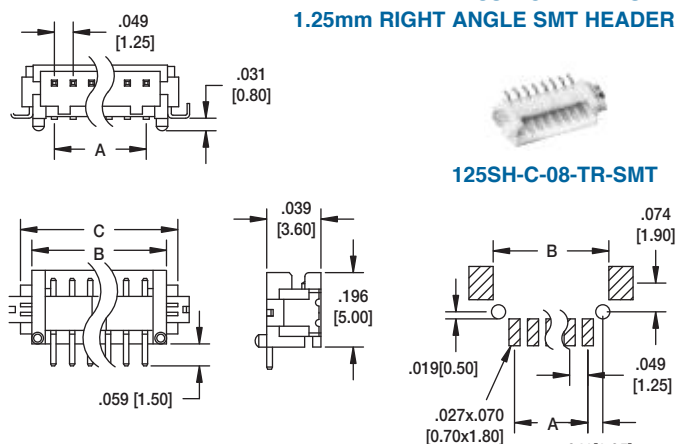
125SH-A-XX-TR-SMT 1.25mm RIGHT ANGLE SMT HEADER




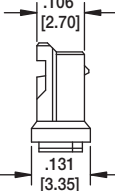
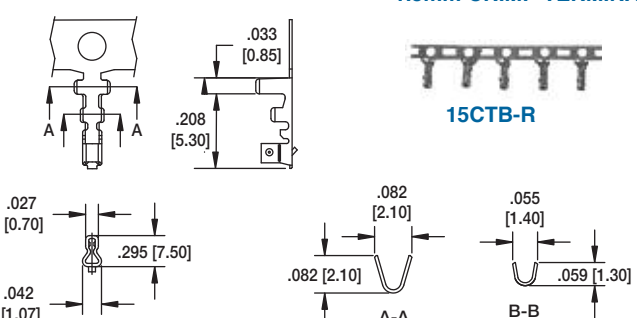
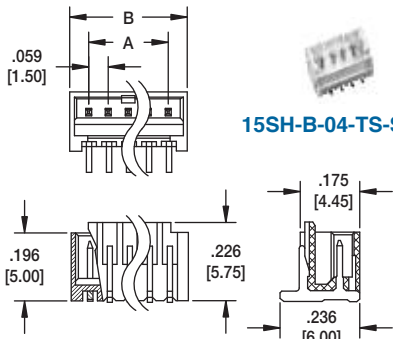
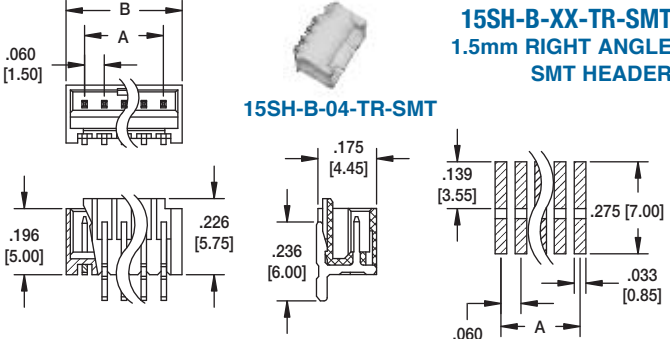
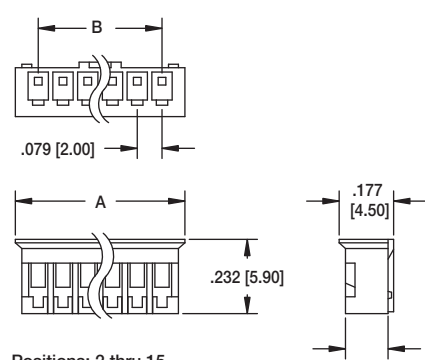
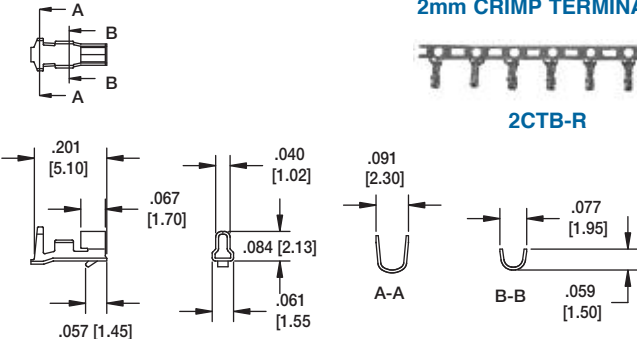
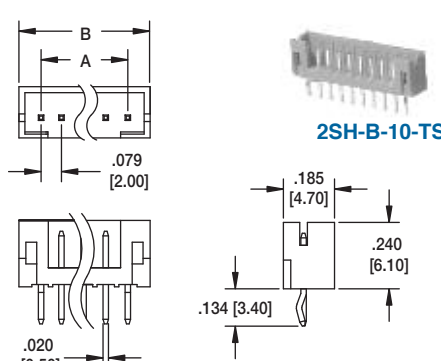
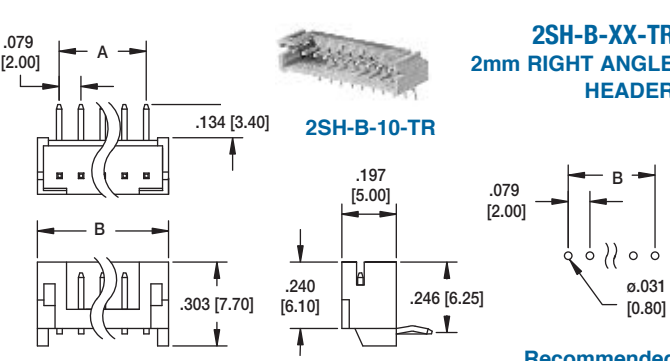
125SH-A-04-TR-SMT

Recommended PCB Layout



| | |
|---|---|
| <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> | <p>125CTC-R 1.25mm CRIMP TERMINAL</p>  <p>125CTC-R</p> <p>Recommended wire size 28-32 awg.</p> |
| <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> | <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> |
| <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> | <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> |

| | |
|--|---|
| <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>Recommended PCB Layout</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> |

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ADAM TECH:

[15SH-A-04-TR](#) [15SH-A-04-TS](#) [15SH-A-05-TR](#) [15SH-A-05-TS](#) [15SH-A-06-TR](#) [15SH-A-06-TS](#) [2SH-C-02-TR](#) [2SH-C-02-TR-SMT](#) [2SH-C-02-TS](#) [2SH-C-02-TS-SMT](#) [2SH-C-03-TR](#) [2SH-C-03-TR-SMT](#) [2SH-C-03-TS](#) [2SH-C-03-TS-SMT](#) [2SH-C-04-TR](#) [2SH-C-04-TR-SMT](#) [2SH-C-04-TS](#) [2SH-C-04-TS-SMT](#) [2SH-C-06-TR](#) [2SH-C-06-TR-SMT](#) [2SH-C-06-TS](#) [2SH-C-06-TS-SMT](#)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Adam Tech:](#)

[15CH-C-02](#) [15SH-A-09-TS-SMT-PP-T/R](#) [15SH-B-02-TS-SMT](#) [15SH-B-09-TR-SMT](#) [15SH-B-14-TR-SMT](#) [15SH-C-09-MTR-SMT-T/R](#) [1CH-A1-06](#) [1CH-A-12](#) [1SH-A-07-TS-SMT-T/R](#) [1SH-A1-03-TS-SMT-E432-PP-T/R](#) [1SH-A-13-TS-SMT](#) [25CH-C-11](#) [25CH-E7-02](#) [25SH-B-05-TS-P](#) [25SH-B-10-GR](#) [25SH-B-17-TR](#) [25SH-C-12-TR](#) [25SH-C-15-TS](#) [25SH-E2-03-TS](#) [2SH-D-05-TS-NK](#) [15CH-A2-02](#) [15SH-A-15-TR-SMT](#) [15SH-B-04-TR-SMT](#) [15SH-B-04-TS-SMT-PP-T/R](#) [15SH-C-02-MTS-SMT-PP-T/R](#) [15SH-C-08-MTR-SMT-T/R](#) [1SH-A-03-TS-SMT-PP-T/R](#) [25CH-B-14](#) [25SH-B-03-TS-NK](#) [25SH-B-12-TR](#) [25SH-E-04-TS-V2](#) [25SH-P-03-TR-SMT-T/R](#) [2SH-B-05-TS](#) [2SH-C-02-TR-EU](#) [15CH-C-07](#) [15SH-A-03-GS-SMT-T/R](#) [15SH-B-09-TS-SMT-PP-T/R](#) [15SH-C-08-TS-SMT-PP-T/R](#) [1CH-A1-09](#) [1SH-A1-02-TR-SMT-T/R](#) [1SH-A-12-TR-SMT](#) [25CH-B-17](#) [25SH-B-04-T/R](#) [25SH-C-04-MTS](#) [25SH-P-02-TR-SMT-T/R](#) [2SH-C4-02-TS](#) [2SH-C4-03-TR-SMT-T/R](#) [15CH-B-11](#) [15CH-B-15](#) [15SH-A-06-TS-SMT-PP-T/R](#) [15SH-B-07-TR-SMT](#) [15SH-B-07-TS-SMT](#) [15SH-B-13-TR-SMT](#) [15SH-B-13-TS-SMT](#) [15SH-C-04-MTS-SMT-PP-T/R](#) [15SH-C-04-TR-SMT-BK-T/R](#) [15SH-C-05-MTR-SMT-T/R](#) [15SH-E-03-TR-SMT-T/R](#) [1CTA1-G-R](#) [1SH-A-15-TS-SMT](#) [25CH-E-02](#) [25CH-E-11](#) [25SH-B-06-TS-P](#) [25SH-E2-04-TS](#) [25SH-E7-02-TR](#) [25SH-K3-04-TS](#) [25SH-P2-02-GR-SMT-TR](#) [2SH-C-04-TS-EU](#) [15CH-B-12](#) [15CH-B-13](#) [15SH-A-13-TR](#) [15SH-B-07-GS-AN6148](#) [15SH-C-04-TS-SMT-PP-T/R](#) [1CH-A1-02](#) [1CH-A-15](#) [1SH-A-06-TR-SMT-T/R](#) [25CH-C-15](#) [25SH-B-08-GS](#) [25SH-B-08-TS-NK](#) [25SH-B-14-TS](#) [25SH-C-13-TS](#) [25SH-P2-03-TR-SMT-T/R](#) [25SH-P2-04-TR-SMT-T/R](#) [15SH-A-02-GS](#) [15SH-A2-06-GS-HT-PP-T/R](#) [15SH-B-05-TS-SMT](#) [15SH-C-04-MTR-SMT-T/R](#) [1SH-A-05-MTR-SMT-T/R](#) [1SH-A-20-TR-SMT](#) [25SH-B-04-TS-P](#) [25SH-K-03-TS](#) [25SH-K-06-TS](#) [25SH-M-02-TS](#) [25SH-P1-04-GR-SMT-T/R](#) [2SH-B-04-TS](#) [2SH-C-03-GS](#) [2SH-C-05-TS-EU](#) [15SH-A-06-MTR-SMT-T/R](#) [15SH-A2-05-GS-HT-PP-T/R](#) [15SH-B-03-TR-SMT](#)