

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

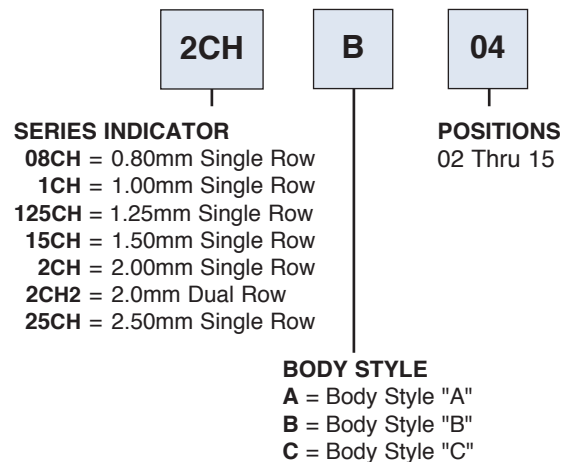
SAFETY AGENCY APPROVALS:

UL Recognized & CSA Certified, File no. E224053

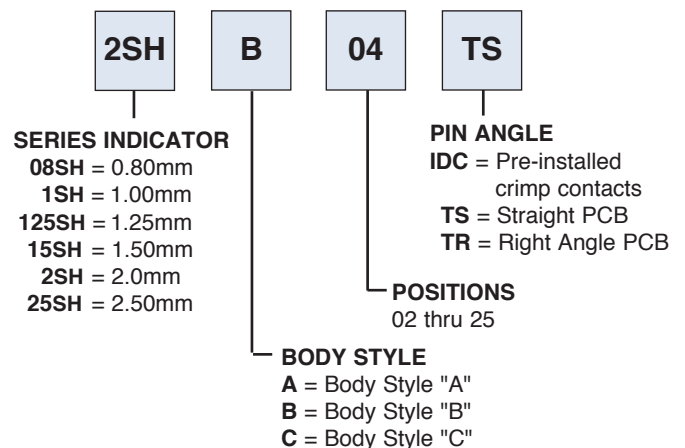
HI-TEMP
INSULATOR
AVAILABLE



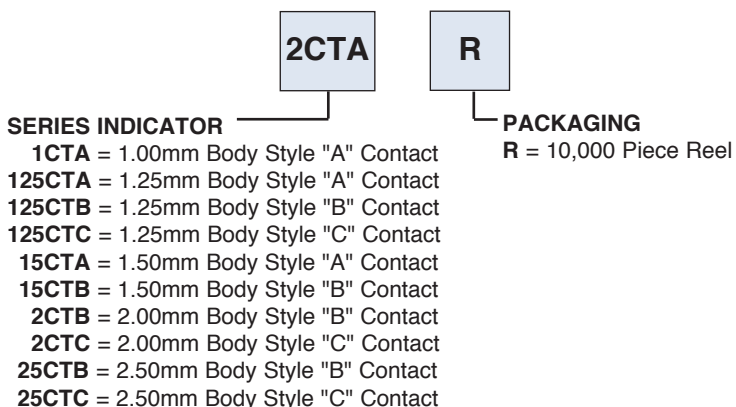
ORDERING INFORMATION CRIMP HOUSING



ORDERING INFORMATION SHROUDED HEADER



ORDERING INFORMATION CRIMP CONTACT

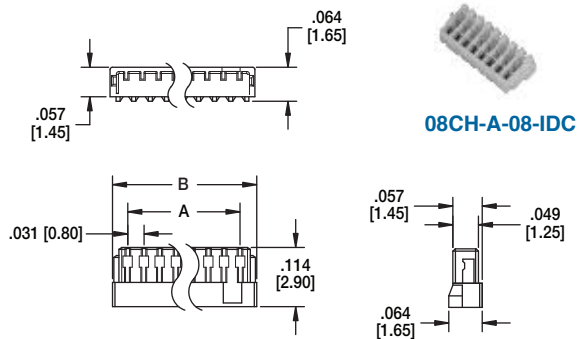


OPTIONS:

Add designator(s) to end of part number

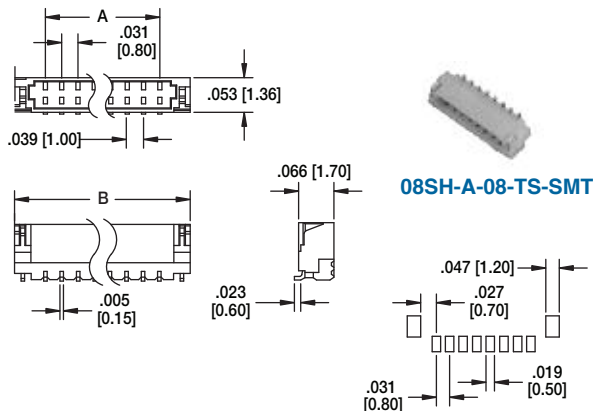
SMT = Surface mount leads with Hi-Temp insulator

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]

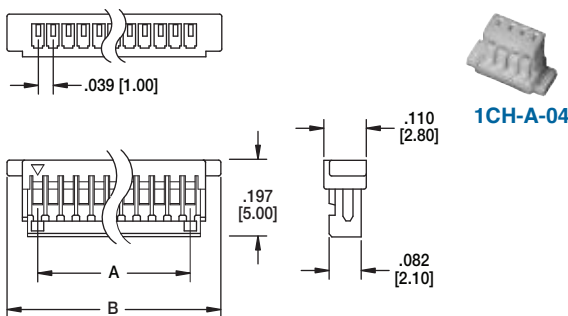
08SH-A-XX-TS-SMT 0.8mm VERTICAL SMT HEADER



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

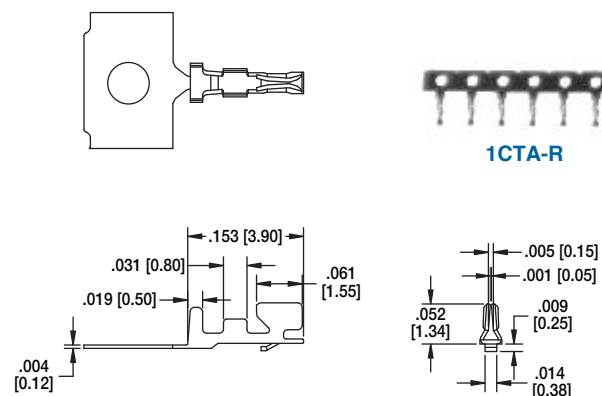
**Recommended
PCB Layout**

1CH-A-XX 1.00mm CRIMP HOUSING



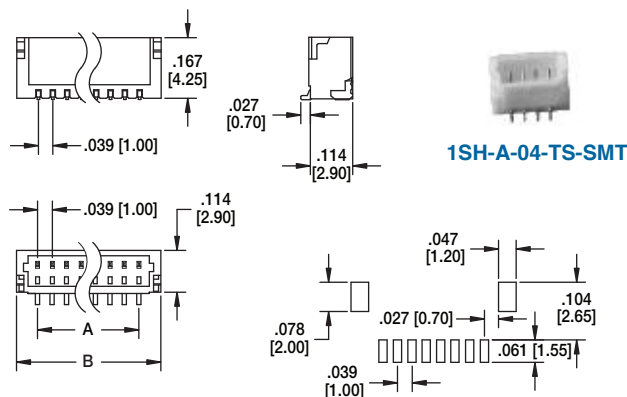
A=.039 [1.00] X No. of Positions -1
B=.039 [1.00] X No. of Positions + .118 [3.00]

1CTA-R 1.00mm TERMINAL



Recommended wire size 32-28 awg.

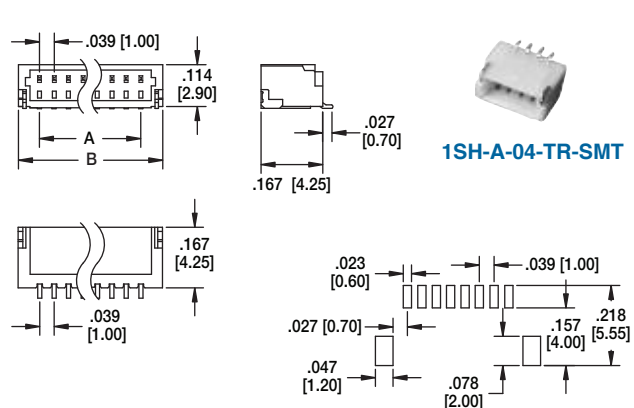
1SH-A-XX-TS-SMT 1.00mm VERTICAL SMT HEADER



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

**Recommended
PCB Layout**

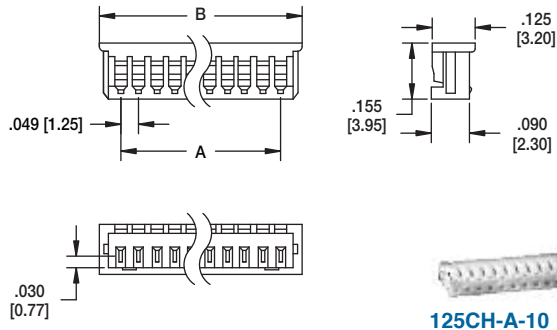
1SH-A-XX-TR-SMT 1.00mm RIGHT ANGLE SMT HEADER



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

**Recommended
PCB Layout**

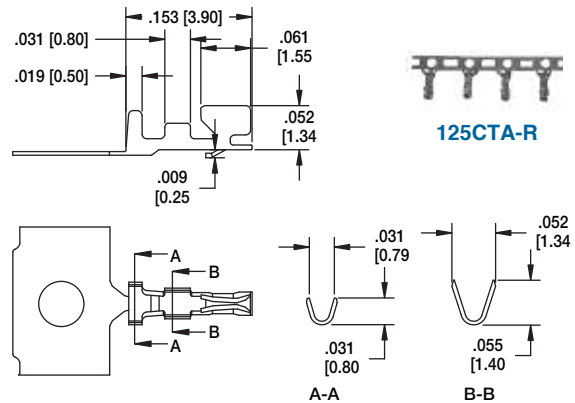
125CH-A-XX 1.25mm CRIMP HOUSING



125CH-A-10

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

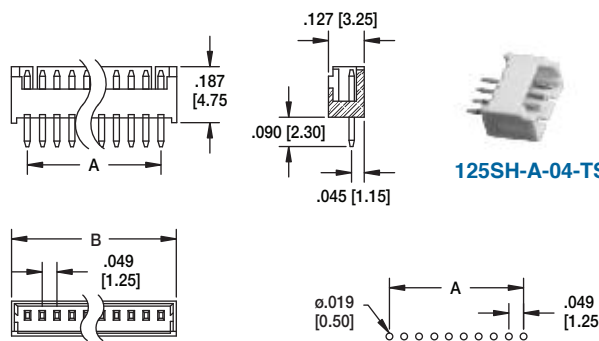
125CTA-R 1.25mm CRIMP TERMINAL



125CTA-R

Recommended wire size 32-28 awg.

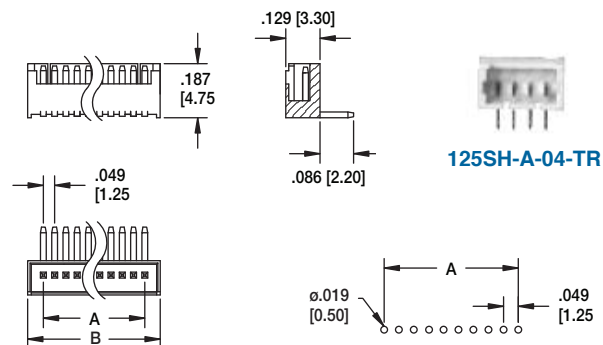
125SH-A-XX-TS 1.25mm VERTICAL HEADER



125SH-A-04-TS

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

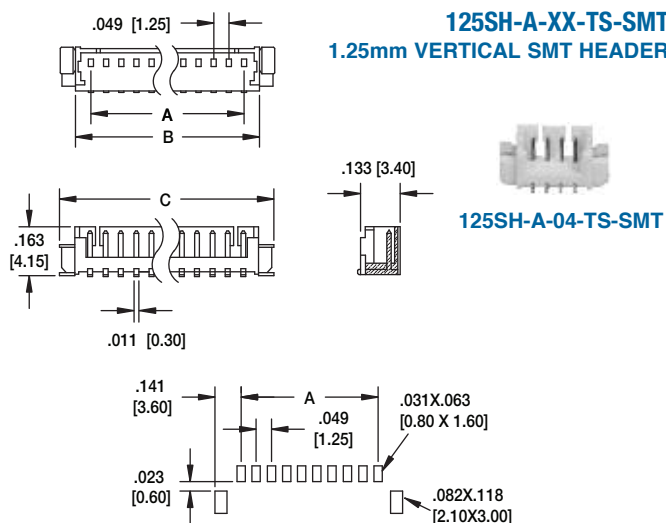
125SH-A-XX-TR 1.25mm RIGHT ANGLE HEADER



125SH-A-04-TR

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

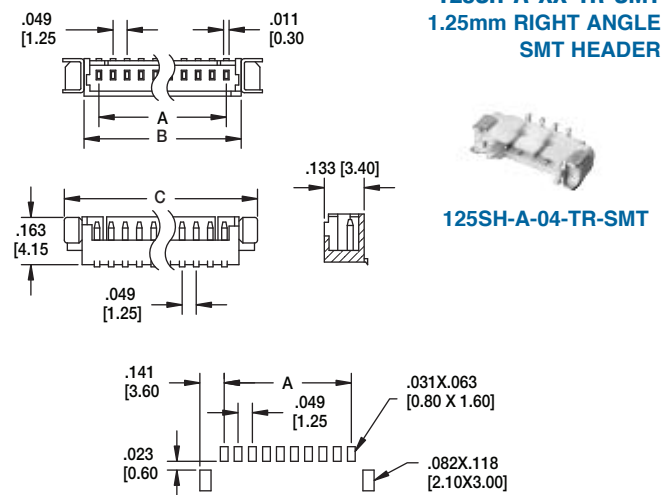
125SH-A-XX-TS-SMT 1.25mm VERTICAL SMT HEADER



125SH-A-04-TS-SMT

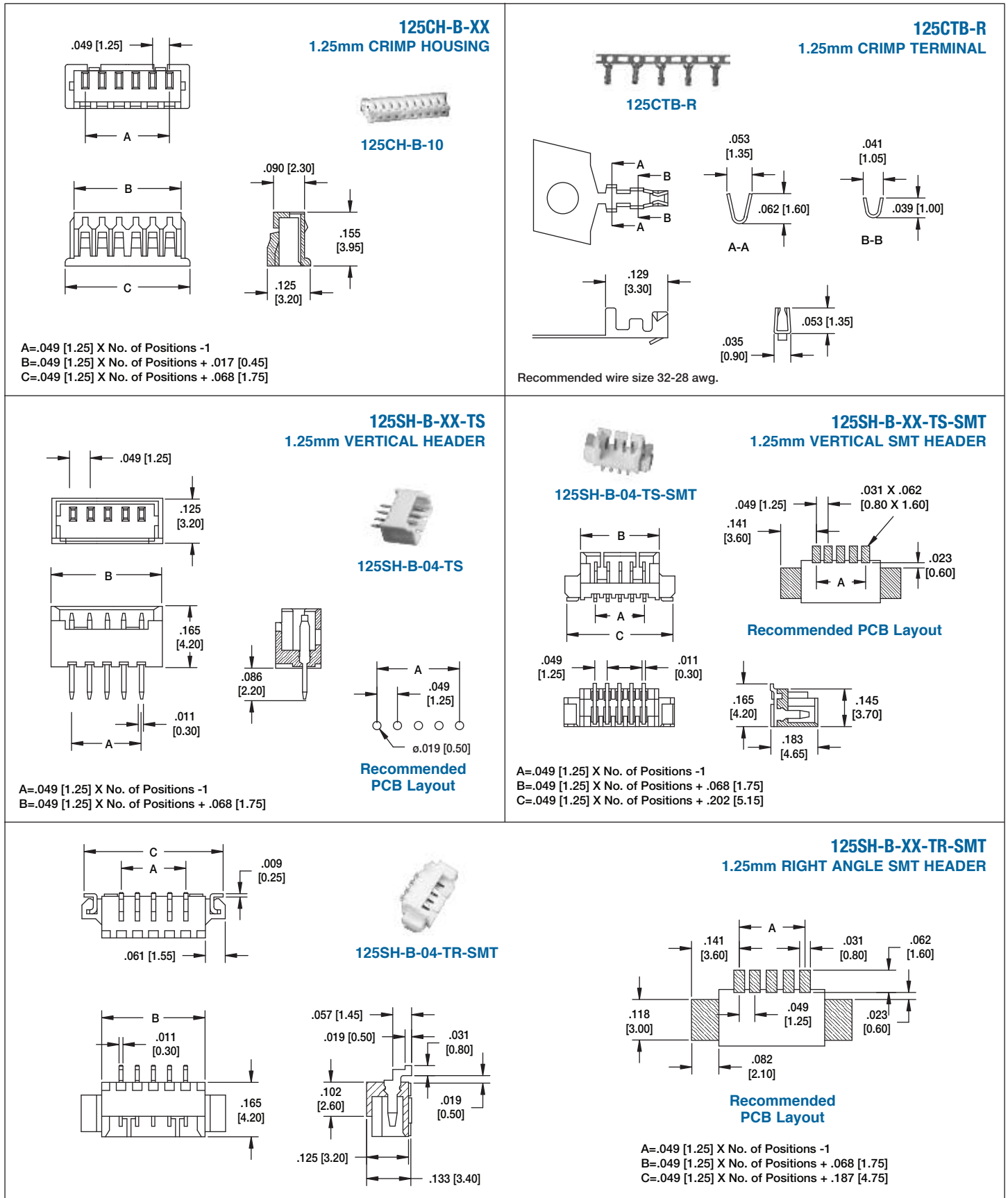
Recommended PCB Layout

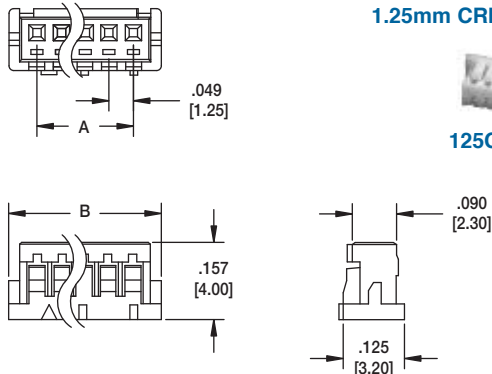
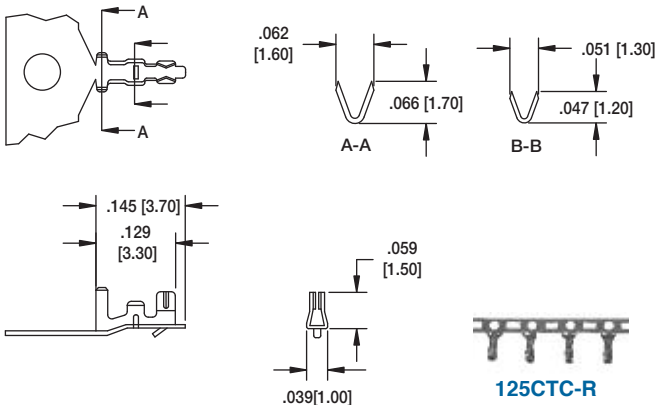
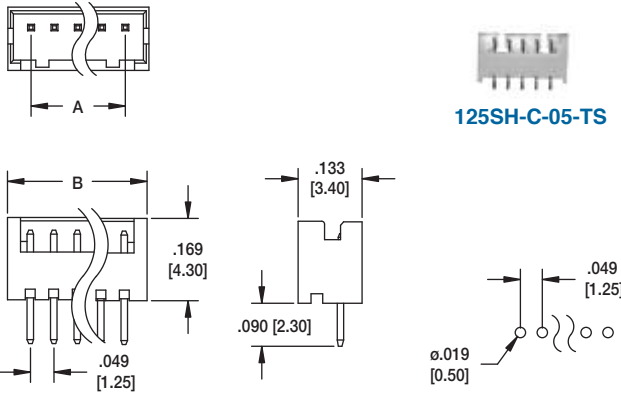
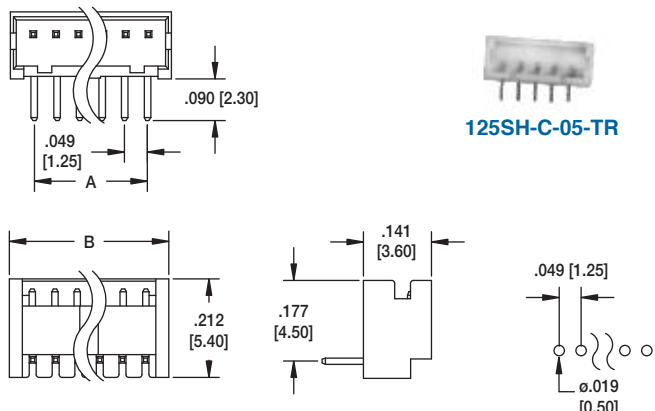
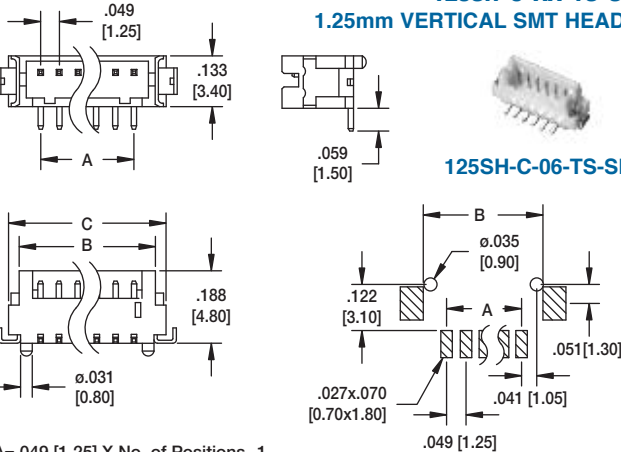
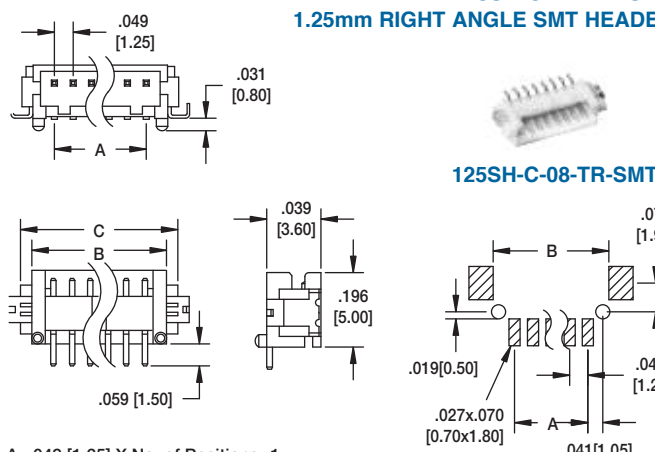
125SH-A-XX-TR-SMT 1.25mm RIGHT ANGLE SMT HEADER



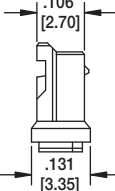
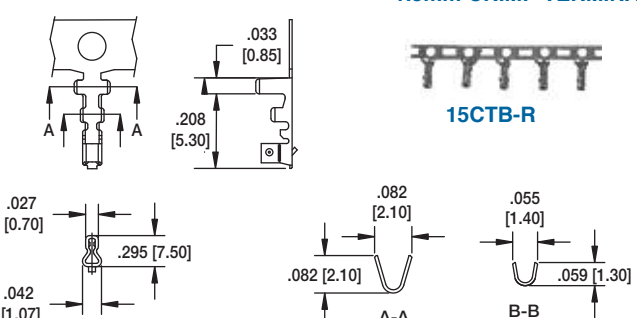
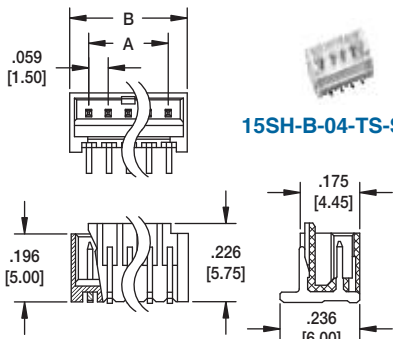
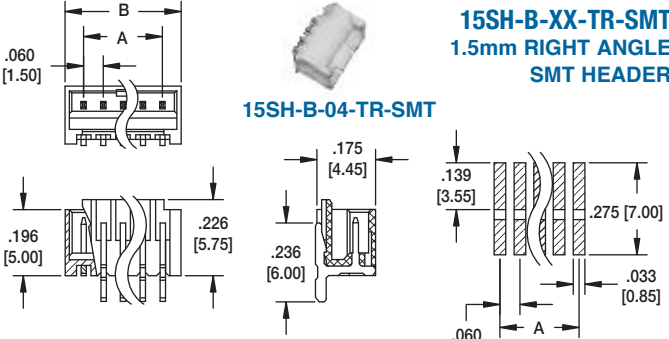
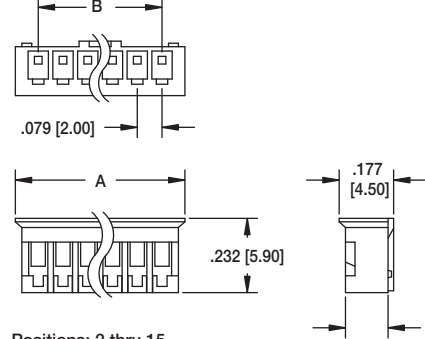
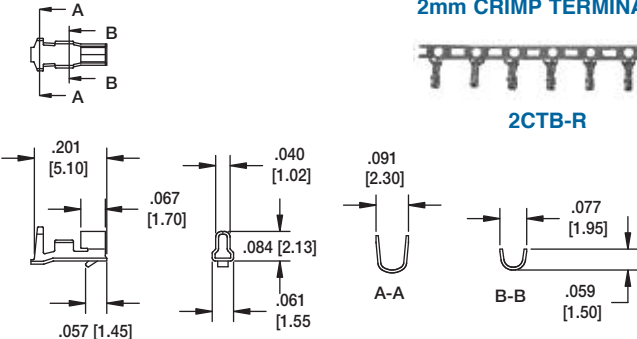
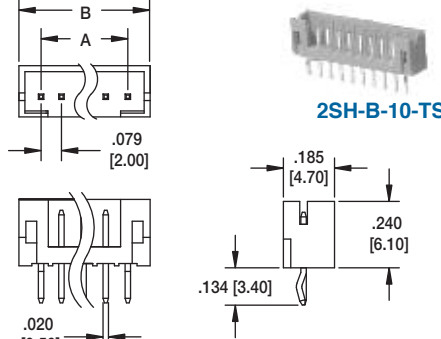
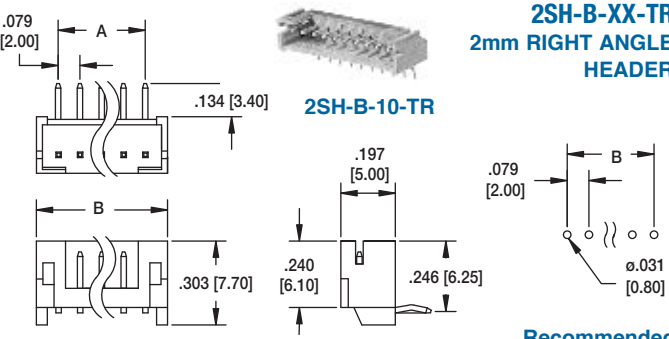
125SH-A-04-TR-SMT

Recommended PCB Layout



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 Recommended PCB Layout 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]	125SH-C-XX-TR-SMT 1.25mm RIGHT ANGLE SMT HEADER  125SH-C-08-TR-SMT Recommended PCB Layout 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]

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

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

Mouser Electronics

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ADAM TECH:

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