

INTRODUCTION:

Adam Tech HHS 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 - 5 Amps max.
Insulation resistance: 1000 MΩ min.
Dielectric withstanding voltage: 800V AC for 1 minute

Mechanical:

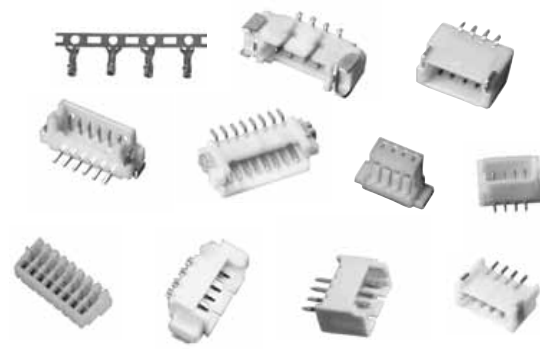
Insertion force: 1.28 lbs max
Withdrawal force: 0.180 lbs min.

Temperature Rating:

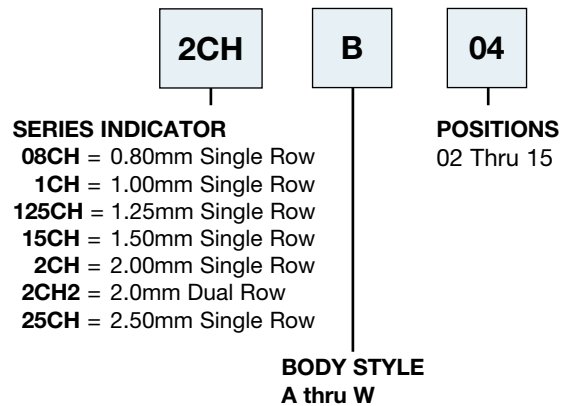
Operating temperature: -25°C to +85°C

SAFETY AGENCY APPROVALS:

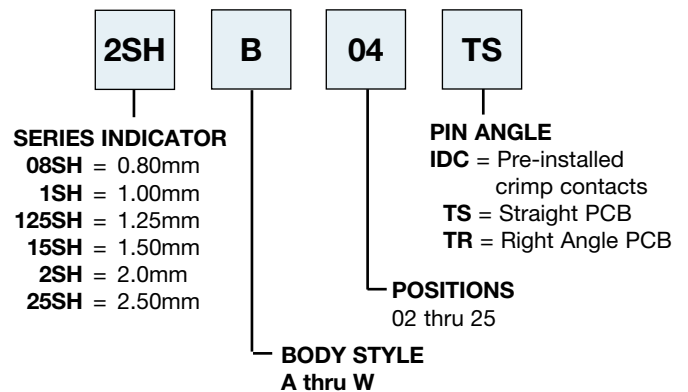
UL Recognized & CSA Certified, File no. E224053



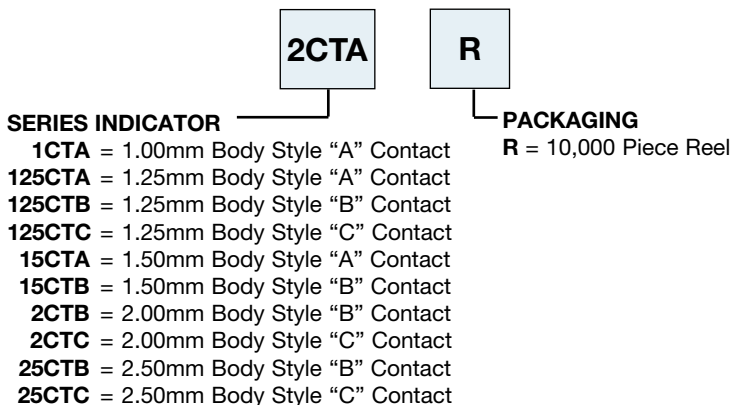
ORDERING INFORMATION CRIMP HOUSING



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

0.8mm TYPE A

<p>08CH-A-XX-IDC 0.8mm IDC HOUSING WITH PRE-INSTALLED CONTACTS</p> <p>08CH-A-08-IDC</p> <p>Replace (XX) with No. of positions 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>Replace (XX) with No. of positions A=.031 [0.80] X No. of Positions -1 B=.031 [0.80] X No. of Positions + .031 [0.80]</p> <p>Recommended PCB Layout</p>
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1.00mm TYPE A

<p>1CH-A-XX 1.00mm CRIMP HOUSING</p> <p>1CH-A-04</p> <p>Replace (XX) with No. of positions 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>
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<p>1SH-A-XX-TS-SMT 1.00mm VERTICAL SMT HEADER</p> <p>1SH-A-04-TS-SMT</p> <p>Replace (XX) with No. of positions A=.039 [1.00] X No. of Positions -1 B=.039 [1.00] X No. of Positions + .078 [2.00]</p> <p>Recommended PCB Layout</p>	<p>1SH-A-XX-TR-SMT 1.00mm RIGHT ANGLE SMT HEADER</p> <p>1SH-A-04-TR-SMT</p> <p>Replace (XX) with No. of positions A=.039 [1.00] X No. of Positions -1 B=.039 [1.00] X No. of Positions + .078 [2.00]</p> <p>Recommended PCB Layout</p>
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125CH-A-XX
1.25mm CRIMP HOUSING

125CH-A-10

Replace (XX) with No. of positions
 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

Recommended PCB Layout

Replace (XX) with No. of positions
 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

Recommended PCB Layout

Replace (XX) with No. of positions
 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-B-XX
1.25mm CRIMP HOUSING

125CH-B-10

Replace (XX) with No. of positions
 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

Replace (XX) with No. of positions
 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 + .068 [1.75]

Recommended PCB Layout

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

125SH-B-04-TS-SMT

Replace (XX) with No. of positions
 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]

Recommended PCB Layout

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

125SH-B-04-TR-SMT

Replace (XX) with No. of positions
 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]

Recommended PCB Layout

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

125SH-B-04-TR-SMT

Replace (XX) with No. of positions
 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]

Recommended PCB Layout

<p style="text-align: center;">125CH-C-XX 1.25mm CRIMP HOUSING</p> <p style="text-align: center;">125CH-C-05</p> <p>Replace (XX) with No. of positions $A = .049 [1.25] \times \text{No. of Positions} - 1$ $B = .049 [1.25] \times \text{No. of Positions} + .065 [1.65]$</p>	<p style="text-align: center;">125CTC-R 1.25mm CRIMP TERMINAL</p> <p style="text-align: center;">125CTC-R</p> <p>Recommended wire size 28-32 awg.</p>
<p style="text-align: center;">125SH-C-XX-TS 1.25mm VERTICAL HEADER</p> <p style="text-align: center;">125SH-C-05-TS</p> <p>Replace (XX) with No. of positions $A = .049 [1.25] \times \text{No. of Positions} - 1$ $B = .049 [1.25] \times \text{No. of Positions} + .049 [1.25]$</p> <p style="text-align: center;">Recommended PCB Layout</p>	<p style="text-align: center;">125SH-C-XX-TR 1.25mm RIGHT ANGLE HEADER</p> <p style="text-align: center;">125SH-C-05-TR</p> <p>Replace (XX) with No. of positions $A = .049 [1.25] \times \text{No. of Positions} - 1$ $B = .049 [1.25] \times \text{No. of Positions} + .049 [1.25]$</p> <p style="text-align: center;">Recommended PCB Layout</p>
<p style="text-align: center;">125SH-C-XX-TS-SMT 1.25mm VERTICAL SMT HEADER</p> <p style="text-align: center;">125SH-C-06-TS-SMT</p> <p>Replace (XX) with No. of positions $A = .049 [1.25] \times \text{No. of Positions} - 1$ $B = .049 [1.25] \times \text{No. of Positions} + .065 [1.65]$ $C = .049 [1.25] \times \text{No. of Positions} + .124 [3.15]$</p> <p style="text-align: center;">Recommended PCB Layout</p>	<p style="text-align: center;">125SH-C-XX-TR-SMT 1.25mm RIGHT ANGLE SMT HEADER</p> <p style="text-align: center;">125SH-C-08-TR-SMT</p> <p>Replace (XX) with No. of positions $A = .049 [1.25] \times \text{No. of Positions} - 1$ $B = .049 [1.25] \times \text{No. of Positions} + .065 [1.65]$ $C = .049 [1.25] \times \text{No. of Positions} + .124 [3.15]$</p> <p style="text-align: center;">Recommended PCB Layout</p>

125CH-D-XX
1.25mm CRIMP HOUSING

125SH-D-08

Replace (XX) with No. of positions
 $A = .049 [1.25] \times \text{No. of Positions} - 1$
 $B = .049 [1.25] \times \text{No. of Positions} + .077 [1.95]$

125CH-G
1.25mm CRIMP HOUSING

125SH-G-08

Replace (XX) with No. of positions
 $A = .049 [1.25] \times \text{No. of Positions} - 1$
 $B = .049 [1.25] \times \text{No. of Positions} + .057 [1.45]$

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

125SH-D-06-TR-SMT

Replace (XX) with No. of positions
 $A = .049 [1.25] \times \text{No. of Positions} - 1$
 $B = .049 [1.25] \times \text{No. of Positions} + .244 [6.20]$
 $C = .049 [1.25] \times \text{No. of Positions} + .205 [5.20]$

Recommended PCB Layout

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

125SH-G-03-TR-SMT

Replace (XX) with No. of positions
 $A = .049 [1.25] \times \text{No. of Positions} - 1$
 $B = .049 [1.25] \times \text{No. of Positions} + .252 [6.40]$

PCB Layout

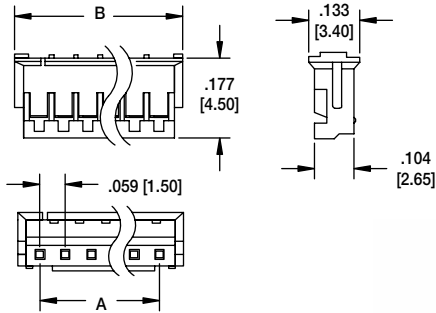
125CTD-R
1.25mm CRIMP TERMINAL

Recommended wire size 28-32 awg.

125CTG-X-R
1.25mm CRIMP TERMINAL

Recommended wire size 28-32 awg.

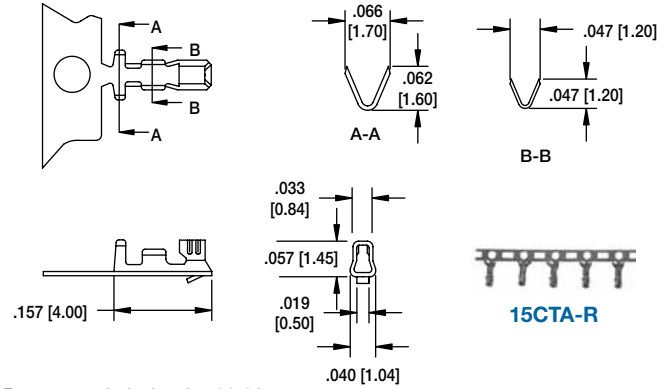
15CH-A-XX 1.5mm CRIMP HOUSING



15CH-A-10

Replace (XX) with No. of positions
 A=.059 [1.50] X No. of Positions -1
 B=.059 [1.50] X No. of Positions + .059 [1.50]

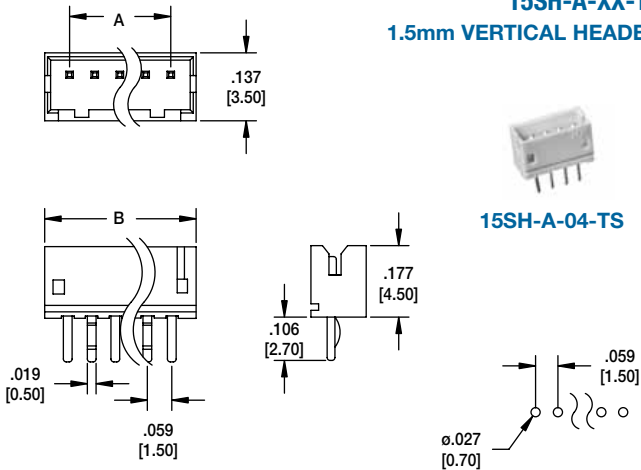
15CTA-R 1.5mm CRIMP TERMINAL



15CTA-R

Recommended wire size 26-30 awg.

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

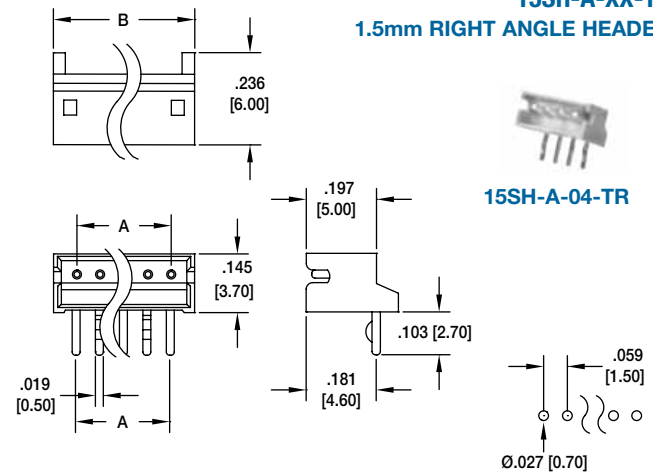


15SH-A-04-TS

Replace (XX) with No. of positions
 A=.059 [1.50] X No. of Positions -1
 B=.059 [1.50] X No. OF SPACES +.059 [1.50]

Recommended
PCB Layout

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

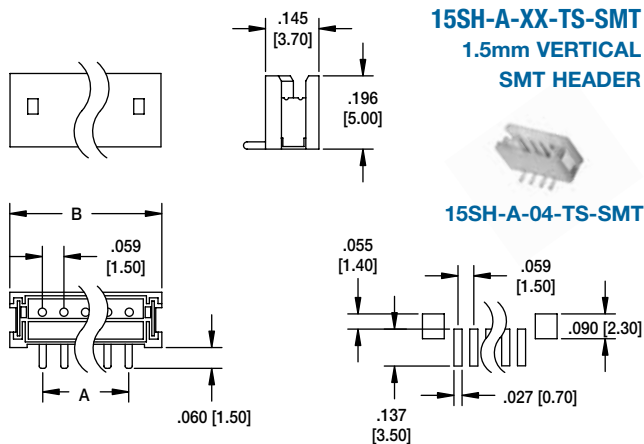


15SH-A-04-TR

Replace (XX) with No. of positions
 A=.059 [1.50] X No. of Positions -1
 B=.059 [1.50] X No. OF SPACES +.118 [3.00]

Recommended
PCB Layout

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

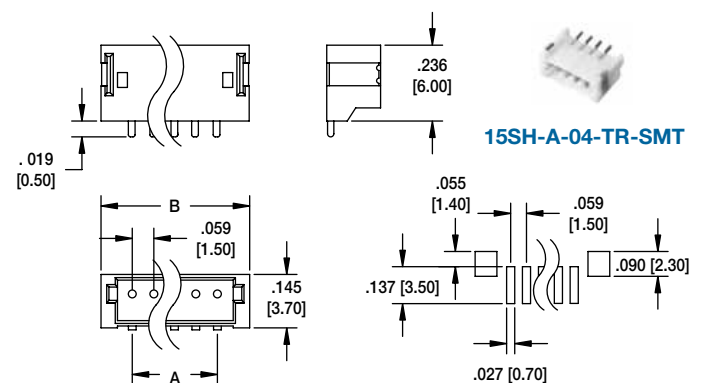


15SH-A-04-TS-SMT

Replace (XX) with No. of positions
 A=.059 [1.50] X No. of Positions -1
 C=.059 [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

Replace (XX) with No. of positions
 A=.059 [1.50] X No. of Positions -1
 C=.059 [1.50] X No. of Positions + .118 [3.00]

Recommended
PCB Layout

1.5mm TYPE B

<p>15CH-B-XX 1.5mm CRIMP HOUSING</p> <p>15CH-B-05</p> <p>Replace (XX) with No. of positions $A = .059 [1.50] \times \text{No. of Positions} - 1$ $B = .059 [1.50] \times \text{No. of Positions} + .043 [1.10]$</p>	<p>15CTB-R 1.5mm CRIMP TERMINAL</p> <p>15CTB-R</p> <p>Recommended wire size 28-24 awg.</p>
<p>15SH-B-XX-TS-SMT 1.5mm VERTICAL SMT HEADER</p> <p>15SH-B-04-TS-SMT</p> <p>Replace (XX) with No. of positions $A = .059 [1.50] \times \text{No. of Positions} - 1$ $B = .059 [1.50] \times \text{No. of Positions} + .051 [1.30]$</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>Replace (XX) with No. of positions $A = .059 [1.50] \times \text{No. of Positions} - 1$ $B = .059 [1.50] \times \text{No. of Positions} + .051 [1.30]$</p> <p>Recommended PCB Layout</p>

2mm TYPE B

<p>2CH-B-XX 2mm CRIMP HOUSING</p> <p>2CH-B-10</p> <p>Positions: 2 thru 15 Replace (XX) with No. of positions $A = .079 [2.00] \times \text{No. of Positions} - 1$ $B = .079 [2.00] \times \text{No. of Positions} + .063 [1.60]$</p>	<p>2CTB 2mm CRIMP TERMINAL</p> <p>2CTB-R</p> <p>Recommended wire size 28-22 awg.</p>
<p>2SH-B-XX-TS 2mm VERTICAL HEADER</p> <p>2SH-B-10-TS</p> <p>Replace (XX) with No. of positions $A = .079 [2.00] \times \text{No. of Positions} - 1$ $B = .079 [2.00] \times \text{No. of Positions} + .078 [2.00]$</p> <p>Recommended PCB Layout</p>	<p>2SH-B-XX-TR 2mm RIGHT ANGLE HEADER</p> <p>2SH-B-10-TR</p> <p>Replace (XX) with No. of positions $A = .079 [2.00] \times \text{No. of Positions} - 1$ $B = .079 [2.00] \times \text{No. of Positions} + .078 [2.00]$</p> <p>Recommended PCB Layout</p>

2CH-C-XX
2mm CRIMP HOUSING

2CH-C-10

Positions: 2 thru 20
Replace (XX) with No. of positions
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
Replace (XX) with No. of positions
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
Replace (XX) with No. of positions
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
Replace (XX) with No. of positions
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
Replace (XX) with No. of positions
A = $.079 [2.00]$ x No. of Positions - 1
B = $.079 [2.00]$ x No. of Positions + $.153 [3.90]$

2mm TYPE D

2CH-D-XX
2.0mm CRIMP HOUSING

2CH-D-03

Positions: 2 thru 15
Replace (XX) with No. of positions
A = $.079 [2.00] \times \text{No. of Spaces}$
B = $.079 [2.00] \times \text{No. of Spaces} + .110 [2.80]$
C = $.079 [2.00] \times \text{No. of Spaces} + .157 [4.00]$

2CTD-R
2.0mm CRIMP TERMINAL

2CTD-R

Recommended wire size 26-30 awg

2SH-D-XX-TS
2.0mm VERTICAL HEADER

2SH-D-03-TS

Positions: 2 thru 15
Replace (XX) with No. of positions
A = $.079 [2.00] \times \text{No. of Spaces}$
B = $.079 [2.00] \times \text{No. of Spaces} + .152 [3.85]$

Recommended PCB Layout

$\varnothing .031 [0.80]$

$.079 [2.00]$

2SH-D-XX-TR
2.0mm RIGHT ANGLE HEADER

2SH-D-03-TR

Positions: 2 thru 15
Replace (XX) with No. of positions
A = $.079 [2.00] \times \text{No. of Spaces}$
B = $.079 [2.00] \times \text{No. of Spaces} + .152 [3.85]$

Recommended PCB Layout

$\varnothing .031 [0.80]$

$.079 [2.00]$

2mm TYPE F

2CH-F-XX
2.0mm CRIMP HOUSING

2CH-F-05

Positions: 2 thru 15
Replace (XX) with No. of positions
A = $.079 [2.00] \times \text{No. of Spaces}$
B = $.079 [2.00] \times \text{No. of Spaces} + .114 [2.90]$

2CTF-R
2.0mm CRIMP TERMINAL

2CTF-R

Recommended wire size 26-30 awg

2mm TYPE F

<p>2SH-F-XX-TS 2mm VERTICAL HEADER</p> <p>2SH-F-05-TS</p> <p>Positions: 2 thru 15 Replace (XX) with No. of positions A = .079 [2.00] x No. of Positions -1 B = .079 [2.00] x No. of Positions +.157 [4.00]</p> <p>Recommended PCB Layout</p>	<p>2SH-F-XX-TR 2mm RIGHT ANGLE HEADER</p> <p>2SH-F</p> <p>Positions: 2 thru 15 Replace (XX) with No. of positions A = .079 [2.00] x No. of Positions -1 B = .079 [2.00] x No. of Positions +.157 [4.00]</p> <p>Recommended PCB Layout</p>
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2mm TYPE H

<p>2CH-H-XX 2mm CRIMP HOUSING</p> <p>2CH-H-05</p> <p>Positions: 2 thru 15 Replace (XX) with No. of positions A = .079 [2.00] x No. of Positions -1 B = .079 [2.00] x No. of Positions +.035 [0.90]</p>	<p>2CTH-R 2mm CRIMP TERMINAL</p> <p>2CTH-R</p> <p>Recommended wire size 26-30 awg</p>
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<p>2SH-H-XX-TS 2mm VERTICAL HEADER WITH PEG</p> <p>2SH-H-05-TS</p> <p>Positions: 2 thru 15 Replace (XX) with No. of positions 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-H-XX-TR 2mm RIGHT ANGLE HEADER</p> <p>2SH-H-05-TR</p> <p>Positions: 2 thru 15 Replace (XX) with No. of positions 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>
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