

## 2.00mm DISCONNECTABLE CONNECTOR SYSTEMS

.079" [2.00] CENTERLINE  
2CH / 2SH SERIES

### INTRODUCTION:

Adam Tech Series 2.00mm disconnectable connector system is comprised of crimp housings, crimp terminals and shrouded headers in three styles. They are a low profile design with advanced features such as polarized mating and grip areas for easy disconnecting.

### FEATURES:

- Ultra compact, low profile design
- Retention slots guide housing insertion
- Visual confirmation of proper mating
- Shroud prevents misinsertion

### MATING OPTIONS:

Crimp housing assemblies mate with shrouded headers or 2.00mm pin headers

### SPECIFICATIONS:

#### Material:

Insulator: Nylon 6/6 rated UL 94V-0

Contacts: Phosphor Bronze

#### Plating:

200 µin min tin lead plate to MIL-P-81728, Type 1 with 50 µin min copper underplate to MIL-C-14550

#### Electrical:

Operation voltage: 125 VAC max

Current rating: 1 Amp max

Contact resistance: 20 mΩ max

Insulation resistance: 500 MΩ min @ 500 VDC between adjacent contacts (75°F and 50% R.H.)

Dielectric withstanding voltage: 500 VAC min rms (sea level)

#### Mechanical:

Insertion force: 5.7 Newtons max

Withdrawal force: 0.8 Newtons min

Recommended wire size: 32 AWG to 28 AWG

#### Environmental:

Operating temperature: -65°C to +125°C

#### PACKAGING:

Headers: Anti-static plastic bags

Housings: Anti-static plastic bags

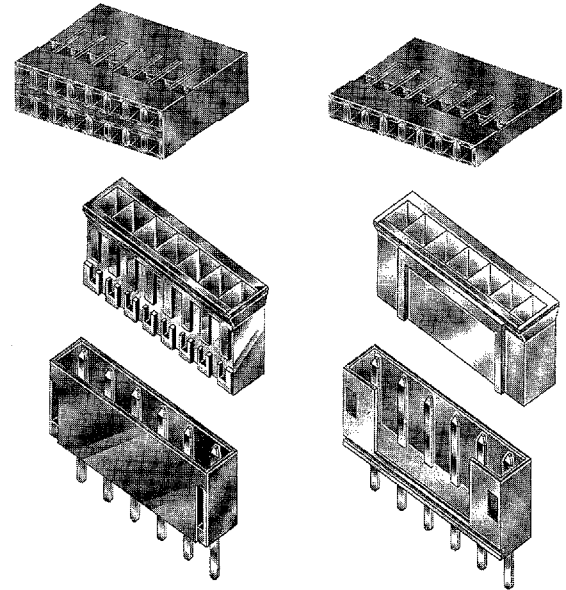
Terminals: 1,000 pc. loose-cut or 10,000 pc. chain on reel

#### APPROVALS AND CERTIFICATIONS:

Recognized under the component program of Underwriters Laboratories, Inc. No. E167232

Certified by Canadian Standards Association No. LR75112

Verband Deutscher Elektrotechniker (VDE) APL42393



### ORDERING INFORMATION

#### HOUSING

**2CH**

**B**

**04**

**SERIES INDICATOR**  
2CH = 2.00mm Crimp Housing

**POSITIONS**  
01 thru 25 (Body style A1)  
04 thru 50 (Body style A2)  
02 thru 15 (Body styles B,C)

#### BODY STYLE

A1 = Non-Polarized, Single Row (Page 167)

A2 = Non-Polarized, Dual Row (Page 167)

B = Low Profile, Polarized (Page 168)

C = Low Profile, Dual Polarized (Page 169)

#### SHROUDED HEADER

**2SH**

**B**

**04**

**TS**

**SERIES INDICATOR**  
2SH = 2.00mm Shrouded Header

**PIN ANGLE**  
TS = Straight  
TR = Right Angle

#### BODY STYLE

B = Body Style "B" (Page 168)

C = Body Style "C" (Page 169)

#### POSITIONS

02 thru 15

#### CRIMP CONTACT

**2CTA**

**R**

#### SERIES INDICATOR

2CTA = Body Style "A" Contact

2CTB = Body Style "B" Contact

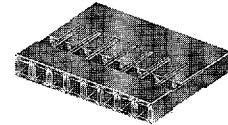
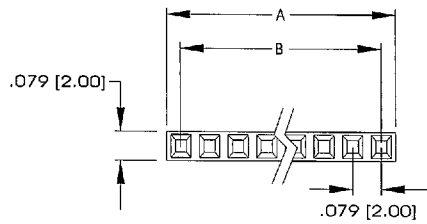
2CTC = Body Style "C" Contact

#### PACKAGING

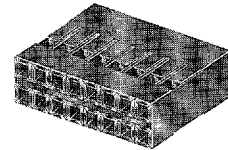
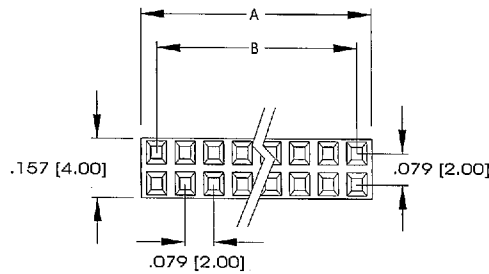
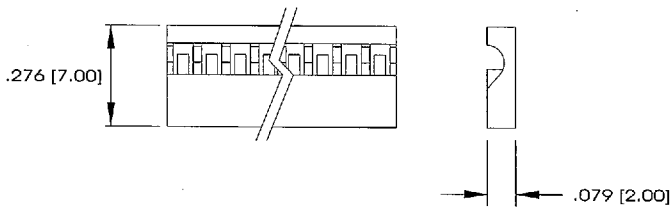
R = 10,000 piece reel

B = 1,000 pieces loose cut

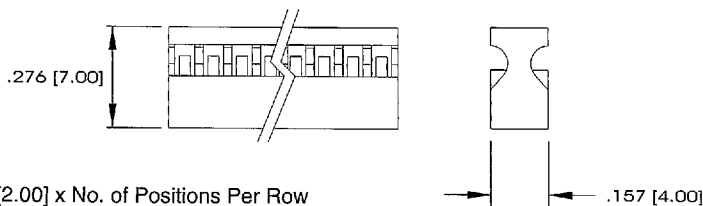
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2CH - A1

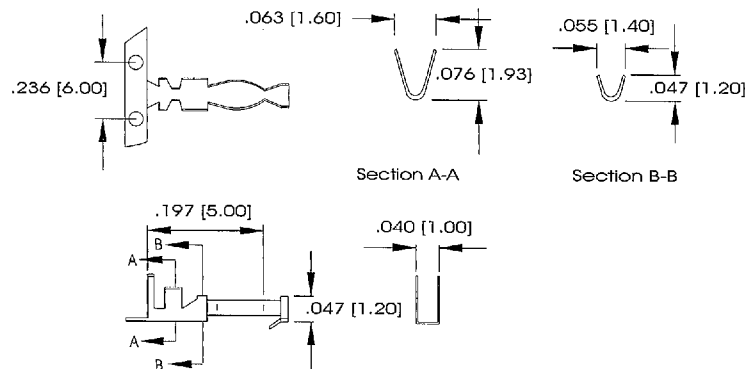


2CH - A2

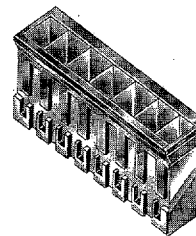
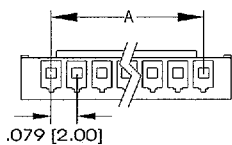


A = .079 [2.00] x No. of Positions Per Row  
B = .079 [2.00] x No. of Spaces

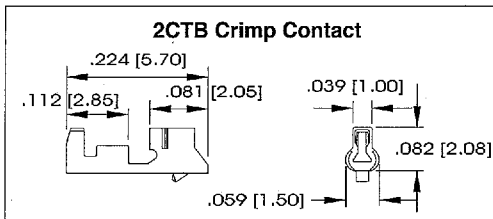
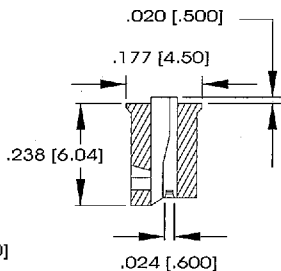
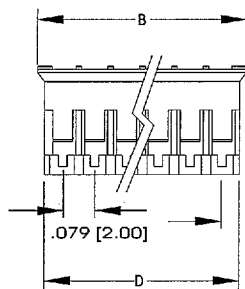
### 2CTA Crimp Contact



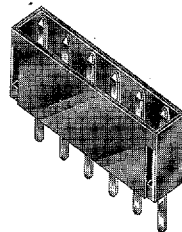
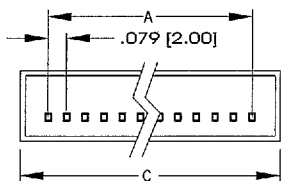
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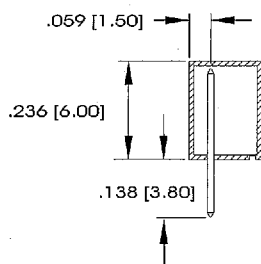
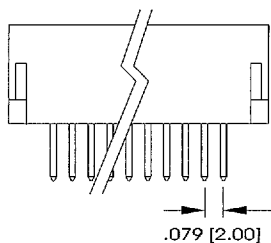
2CH - B  
Housing



2CTB Crimp Contact

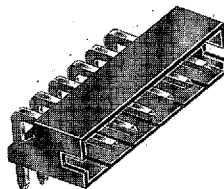
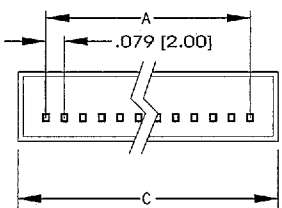


2SH - B  
Straight Header

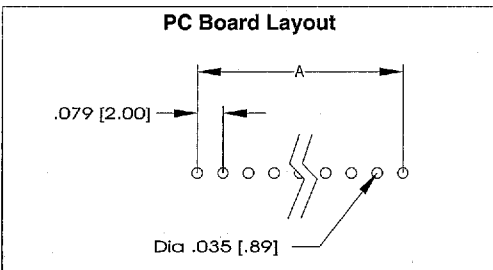
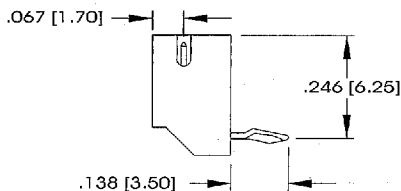
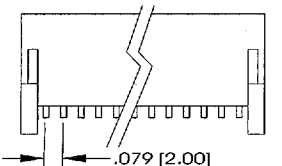


Unit: Inch / mm

Dimensional:			
POSITION	A	B	C
2	0.079 (2.00)	0.228 (5.80)	0.220 (5.60)
3	0.157 (4.00)	0.307 (7.80)	0.299 (7.60)
4	0.236 (6.00)	0.386 (9.80)	0.378 (9.60)
5	0.315 (8.00)	0.465 (11.80)	0.457 (11.60)
6	0.394 (10.00)	0.543 (13.80)	0.535 (13.60)
7	0.472 (12.00)	0.622 (15.80)	0.614 (15.60)
8	0.551 (14.00)	0.701 (17.80)	0.693 (17.60)
9	0.630 (16.00)	0.780 (19.80)	0.772 (19.60)
10	0.709 (18.00)	0.858 (21.80)	0.850 (21.60)
11	0.787 (20.00)	0.937 (23.80)	0.929 (23.60)
12	0.866 (22.00)	1.016 (25.80)	1.008 (25.60)
13	0.945 (24.00)	1.094 (27.80)	1.087 (27.60)
14	1.024 (26.00)	1.173 (29.80)	1.165 (29.60)
15	1.102 (28.00)	1.252 (31.80)	1.244 (31.60)



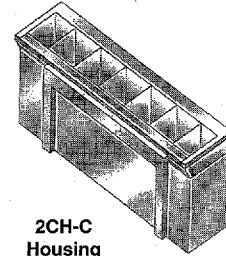
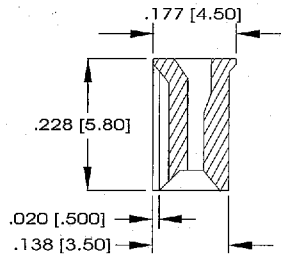
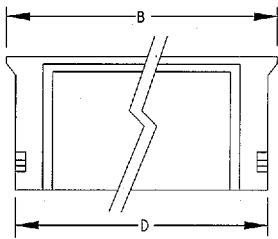
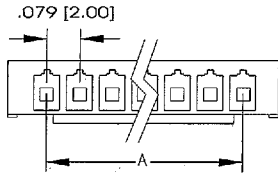
2SH - B  
Right Angle Header



PC Board Layout

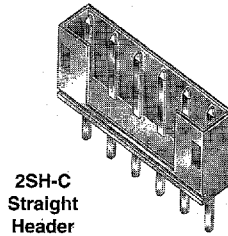
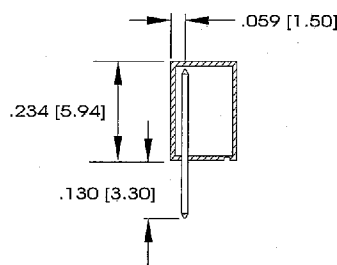
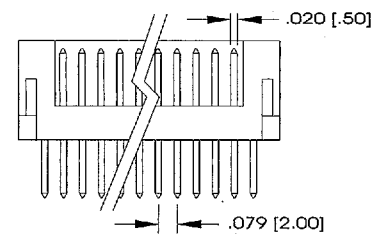
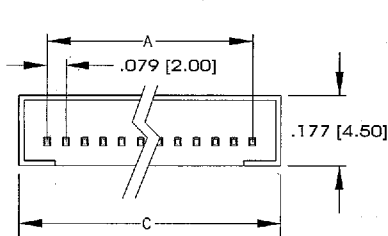
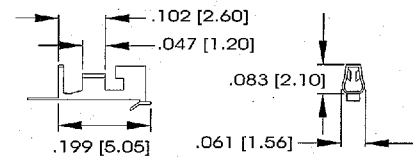
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## 2.00mm DISCONNECTABLE CONNECTOR SYSTEMS .079" [2.00] CENTERLINE 2CH / 2SH SERIES



2CH-C  
Housing

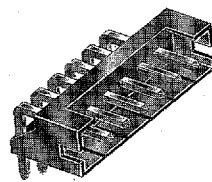
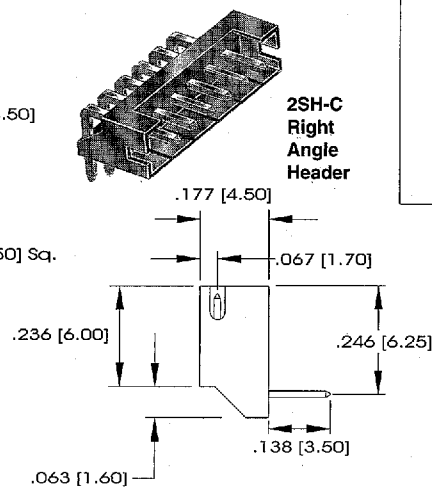
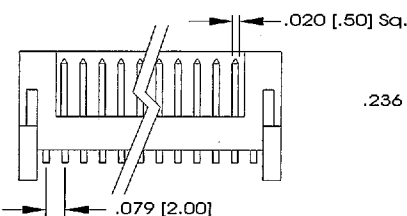
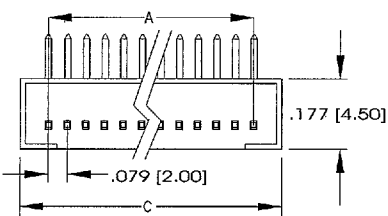
2CTC - Crimp Contact



2SH-C  
Straight  
Header

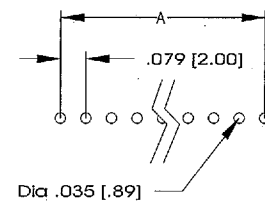
Unit: Inch / mm

Dimensional:				
POSITION	A	B	C	D
2	0.079 ( 2.00)	0.220 ( 5.60)	0.236 ( 6.00)	0.177 ( 4.50)
3	0.157 ( 4.00)	0.299 ( 7.60)	0.315 ( 8.00)	0.256 ( 6.50)
4	0.236 ( 6.00)	0.378 ( 9.60)	0.394 (10.00)	0.335 ( 8.50)
5	0.315 ( 8.00)	0.457 (11.60)	0.472 (12.00)	0.413 (10.50)
6	0.394 (10.00)	0.535 (13.60)	0.551 (14.00)	0.492 (12.50)
7	0.472 (12.00)	0.614 (15.60)	0.630 (16.00)	0.571 (14.50)
8	0.551 (14.00)	0.693 (17.60)	0.709 (18.00)	0.650 (16.50)
9	0.630 (16.00)	0.772 (19.60)	0.787 (20.00)	0.728 (18.50)
10	0.709 (18.00)	0.850 (21.60)	0.866 (22.00)	0.807 (20.50)
11	0.787 (20.00)	0.929 (23.60)	0.945 (24.00)	0.886 (22.50)
12	0.866 (22.00)	1.008 (25.60)	1.024 (26.00)	0.965 (24.50)
13	0.945 (24.00)	1.087 (27.60)	1.102 (28.00)	1.043 (26.50)
14	1.024 (26.00)	1.165 (29.60)	1.181 (30.00)	1.122 (28.50)
15	1.102 (28.00)	1.244 (31.60)	1.260 (32.00)	1.201 (30.50)



2SH-C  
Right  
Angle  
Header

PC Board Layout



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