

Established

Taiwan , year 1990

Main Business

CviLux Brand & ODM/OEM Business

Key Products

Connector, FFC, Wire Harness, Cable Assemblies, PCBA, Electronic Components, 3C Product ... etc.

Competitive Advantage

- (1) Listed Company in Taiwan Stock Market (TWSE8103)
- (2) Worldwide Sales Network
- (3) Advance ERP & Customer Service
- (4) Integrated Marketing Service System
- (5) Turnkey Green Product Solution
- (6) International Standard of QC & Certificates

Factory & Office Location

Taiwan – Tamsui Plant – Headquarters (CCT)

- China – Dongguan Plant – 1 (CED)
- Dongguan Plant – 2 (DQH)
- Dongguan Plant – 3 (CED2)
- Suzhou Plant (HBC)
- Chongqing Plant (CQC)
- Anhui Plant (AHC)
- Shenzhen Office (CTS)

Lao – Lao Plant (LAO)

USA – USA Office (CUC)

Sales Agent

Allsor Technology Corporation (Taiwan)

Allsor (Dongguan) Technology Corporation (China)

Quality Policy

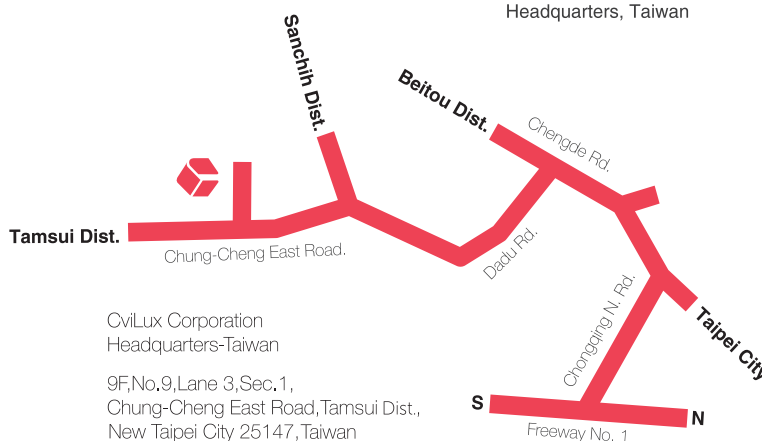
Improve Our Product Quality & Operation System
To Satisfy Our Customer's Demand

I.P.O.

TWSE8103 (Taiwan Stock Exchange Corp.)



CviLux Corporation Headquarters, Taiwan



CviLux Electronics (Dongguan) Co., Ltd.



CviLux Technology (Shenzhen) Corporation



CviLux Technology (Chongqing) Corporation



Dongguan Qunhan Electronics Co., Ltd.

PRODUCT CATEGORY



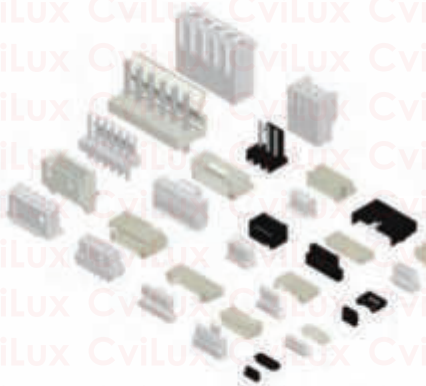
FFC / FPC Connectors



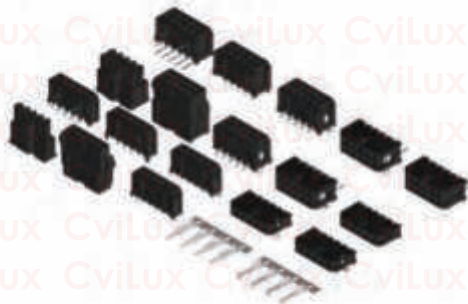
FFC and LVDS Cables



LVDS Connectors



Wire to Board Connectors



Power Connectors



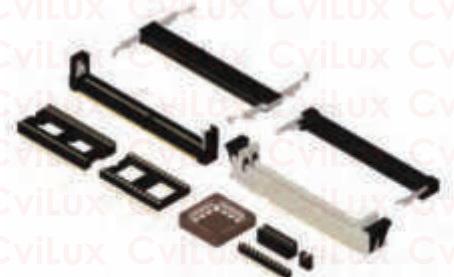
IDC Connectors



Board to Board Connectors



Pin Headers



Socket Connectors



**D-SUB and
Combo D-SUB Connectors**



Modular Jack Connectors



I/O Connectors



USB Type C Connectors



**RF Microwave
Coaxial Connectors & Cable**



Pogo Pin Connectors



**Fiber Optical Connector
& Cable**



PCBA



Module

STATEMENT OF ENVIRONMENTAL FRIENDLY POLICY

As members of global community, we should all be aware of limited resource consumption and increasing pollution's impact to earth. Our next generation and living animals could live in a dangerous environment without our efforts. Because of this, CviLux Corporation commits to provide environmental friendly products to its clients by using less energy and efficient production. CviLux spirit is to preach such green mind to all the employees and partners who are working closely with us.

Definition:

RoHS Compliant and Lead Free Soldering Process

This letter is released to explain the difference between RoHS compliant and Lead Free Soldering Process. These terms confused R&D designers a lot when they need to select right components and processes for their designs. With this letter, we hope to minimize the confusion and clarify these terms to any one who is interested in this topic.

- RoHS compliant: Indicates raw material of product contained forbidden material within the limitation defined by RoHS directive 2011/65/EU & 2015/863/EU.

- Lead Free Soldering Process: Indicates products themselves can stand specific soldering profile such as J-STD-020C/D or SS-00254.

Currently, there are still no fixed lead free soldering process can be adopted to all kinds of components. For SMT components, the most widely used norms are J-STD-020C/D and SS-00254. As for THT components, JESD22-B106C is the most popular one. CviLux has already set these norms as the standard processes to follow. The details of related soldering temperature of above norms can be found in CviLux product specifications.

Besides, there is still one important concept- It is not a must for RoHS compliant components to adapt Lead Free soldering process. In some cases, it is possible that components are RoHS compliant but not available for lead free soldering process. On the contrary, components available for lead free soldering process are always RoHS compliant. One obvious example is that when cable assemblies can meet RoHS standard, it refers to that the raw materials are environmental friendly only but nothing related to lead free soldering process. PCB components apply the same to the above.

Halogen Free

Halogens are 5 non-metallic elements in group VIIA of the periodic table Fluorine, Chlorine, Bromine, Iodine, Astatine.

Halogens exists, at room temperature, in all three status, Solid (Iodine, Astatine), Liquid (Bromine) and Gas (Fluorine, Chlorine). Currently, only 2 of these 5 elements are normative by IEC, which are Cl and Br.

Why does Halogen Free become new challenges to connector manufacturers? Because the common used connector raw materials like PA66 and PBT are without fire resistance characteristic originally, to strengthen fire resistance characteristic in connector raw materials, Brominated Flame Retardants are used as additive. However, with more and more emphasis on the importance of Halogen Free products, the use of Brominated Flame Retardants becomes more and more difficult and is restricted by content. To adapt this world wide trend, CviLux has had set its standard of Halogens Free policy according to IEC 61249-2-21 and produce the products since Jan. 2008.

- 900 ppm maximum Cl.
- 900 ppm maximum Br.
- 1500 ppm total Halogens.

Meanwhile, as the research of alternative materials/solutions for better performance plastics is progressing, CviLux will take part in this trend and provide its customers with latest technical support.

CF73	1.00(.039")	H=3.30 SMT ZIF One-Toach FFC-FPC Connectors	60
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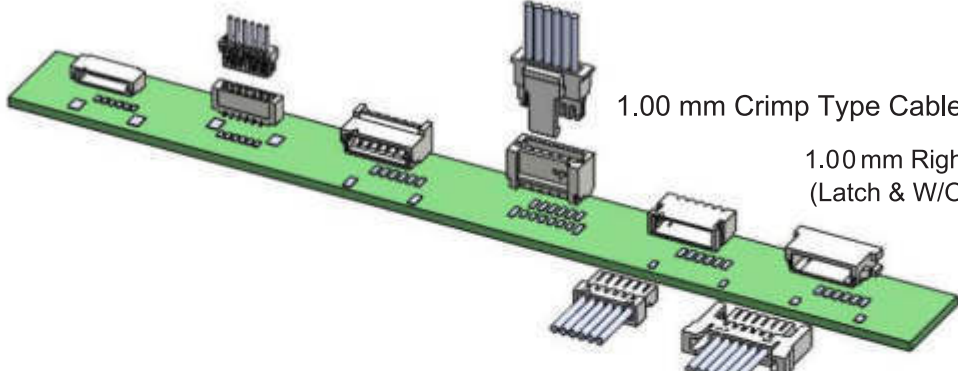
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Connection Combination of Wire to Board Connectors

CI

0.80mm Right angle & Stranght SMT Type 0.80mm IDC Type Cable 0.80mm Right angle & Stranght SMT Type

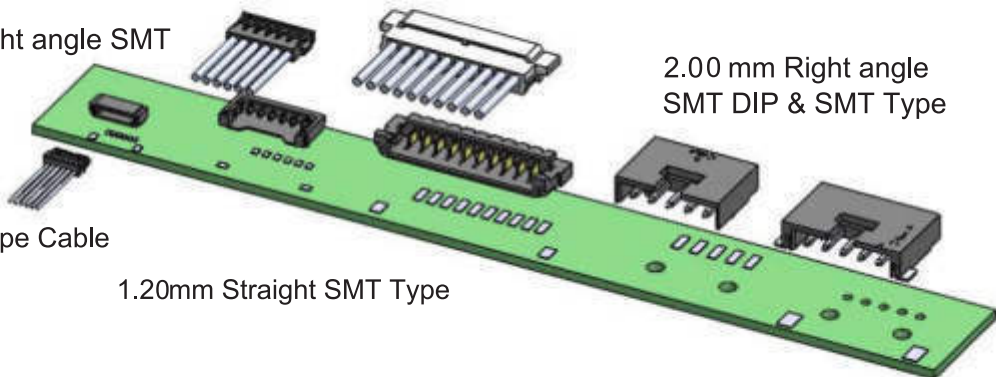


1.00 mm Crimp Type Cable
1.00 mm Right angle SMT Type (Latch & W/O Latch)

1.00mm Crimp Type Cable (Latch & W/O Latch)

1.20 mm Crimp Type Cable 1.50 mm Crimp Type Cable

0.60mm Right angle SMT



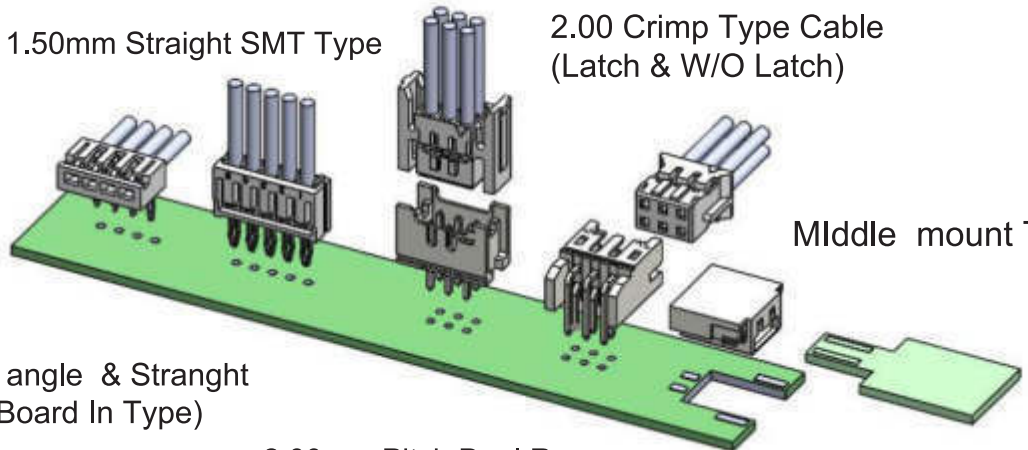
2.00 mm Right angle SMT DIP & SMT Type

0.80mm IDC Type Cable

1.20mm Straight SMT Type

1.50mm Straight SMT Type

2.00 Crimp Type Cable (Latch & W/O Latch)



Middle mount Type

2.00mm Right angle & Stranght Crimp Cable (Board In Type)

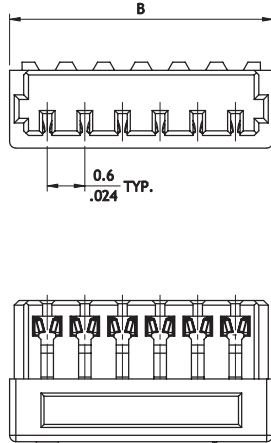
2.00mm Pitch Dual Row Right angle & Stranght DIP Type (Latch & W/O Latch)

WIRE TO BOARD CONNECTORS

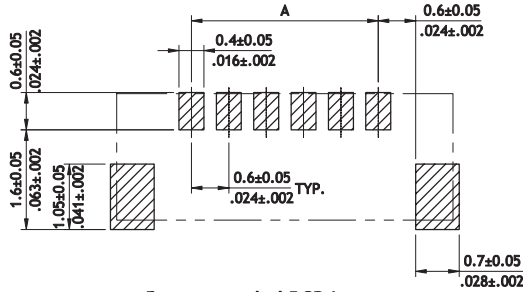
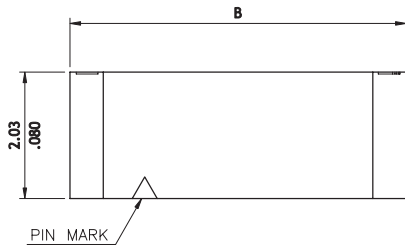
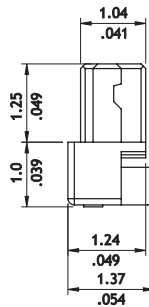
CI20 Series 0.60mm(.024") Wire to Board Housing & SMT Headers

- ⊙ Fixed tabs provide PCB hold-down
- ⊙ Locking slots provide secure mating
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Black
- ⊙ Applicable Wire: AWG #34 (Insulation O.D.: 0.32±0.02mm)

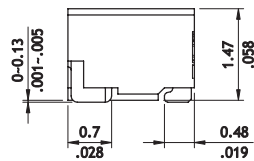
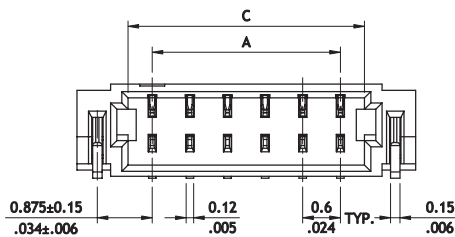
RoHS Compliant



Circuits	Dim. B
4	3.0(.118)
5	3.6(.142)
6	4.2(.165)
7	4.8(.189)
8	5.4(.213)
10	6.6(.260)
12	7.8(.307)
14	9.0(.354)
16	10.2(.402)



Recommended PCB Layout



Circuits	Dimension		
	A	B	C
6	3.0(.118)	5.4(.213)	3.78(.149)
8	4.2(.165)	6.6(.260)	4.98(.196)
10	5.4(.213)	7.8(.307)	6.18(.243)
12	6.6(.260)	9.0(.354)	7.38(.291)

Ordering Code

① ② ③ ④ ⑤ ⑥ ① ② ③ ④ ⑤ ⑥ ⑦ ⑧
CI20 06 S 2 000 - NH CI20 06 M 2 H R 0 - NH

- ① Series No.
- ② No. of Circuits: 4~8,10,12,14,16
- ③ S = Housing
- ④ Plating Code :
2 = Gold flash over Nickel
- ⑤ Other Options: 000 = Standard
- ⑥ NH = For Halogen-Free

- ① Series No.
- ② No. of Circuits: 6, 8, 10, 12
- ③ M = SMT Type
- ④ Plating Code:
2 = Gold flash over Nickel
- ⑤ Type: H = Side Entry

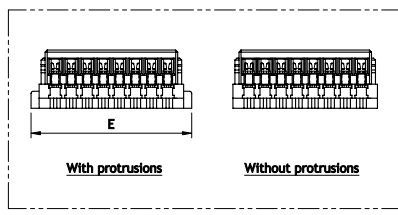
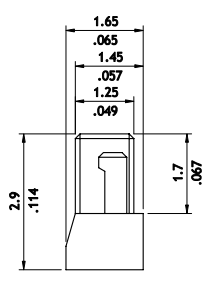
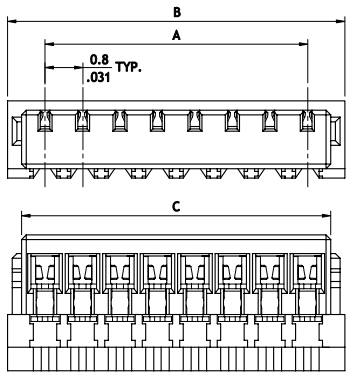
- ⑥ Packing Options:
R = Tape & Reel
- ⑦ Other Options:
0 = Standard
- ⑧ NH = For Lead Free IR process and Halogen-Free

C118 Series 0.80mm(.031") Wire to Board Housing & SMT Headers

- ⊙ Fixed tabs provide PCB hold-down
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ Housing: High temperature plastic UL 94V-0, Color Nature

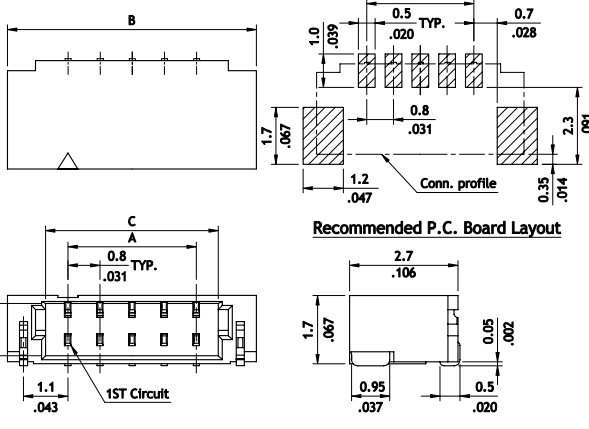


RoHS Compliant



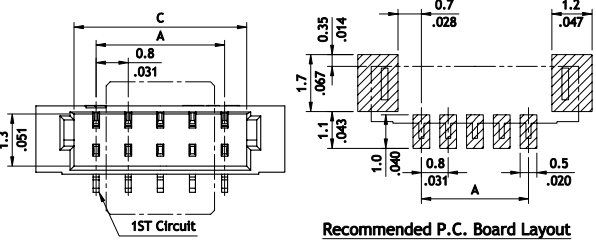
A = 0.8 x No. of Spaces
 B = A + 1.6
 C = A + 1.0
 E = A + 2.4

Wire Range	Insulation Diameter
AWG #32	0.39 mm (.015)

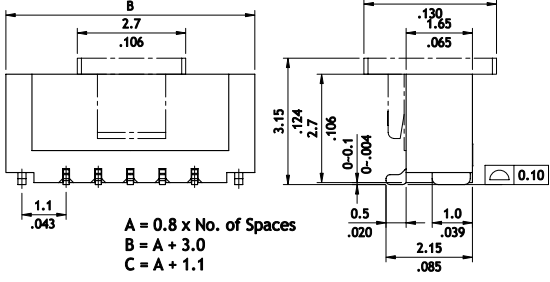


Recommended P.C. Board Layout

A = 0.8 x No. of Spaces
 B = A + 3.0
 C = A + 1.1



Recommended P.C. Board Layout



A = 0.8 x No. of Spaces
 B = A + 3.0
 C = A + 1.1

Ordering Code

① C118 ② 15 ③ S ④ 2 ⑤ 000 - ⑥ NH

- ① Series No.
- ② No. of Circuits: 02 ~ 15
- ③ S = Housing
- ④ Plating Code:
 1 = Matte Tin over Nickel
 2 = Gold flash over Nickel
- ⑤ Other Options: 000 = AWG #32(Standard)
 00A = AWG #36(with protrusions)
- ⑥ NH = For Lead Free and Halogen-Free

① C118 ② 15 ③ M ④ 2 ⑤ H ⑥ R ⑦ 0 - ⑧ NH

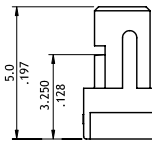
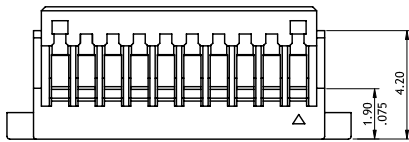
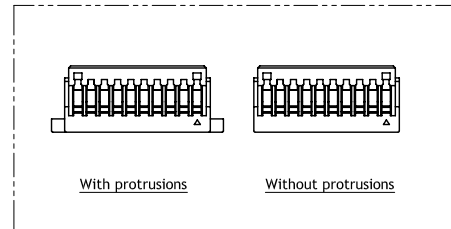
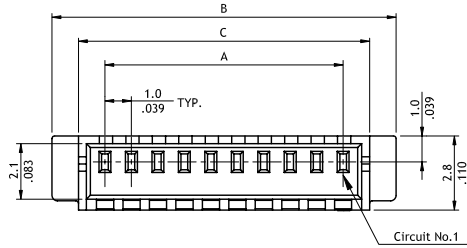
- ① Series No.
- ② No. of Circuits: 02 ~ 15
- ③ M = SMT Type
- ④ Plating Code: 1 = Matte Tin over Nickel
 2 = Gold flash over Nickel
- ⑤ Type: V = Top Entry ; H = Side Entry
- ⑥ Packing Options: R = Tape & Reel
- ⑦ Other Options: 0 = Standard
- ⑧ NH = For Lead Free IR process and Halogen-Free

CI11 Series 1.00mm(.039") Single Row Wire to Board Housing & Terminal

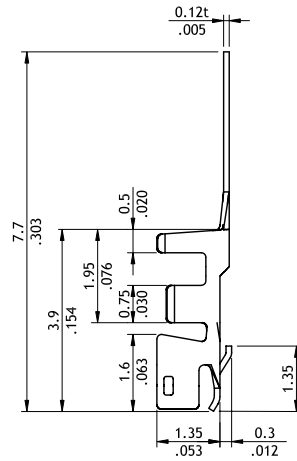
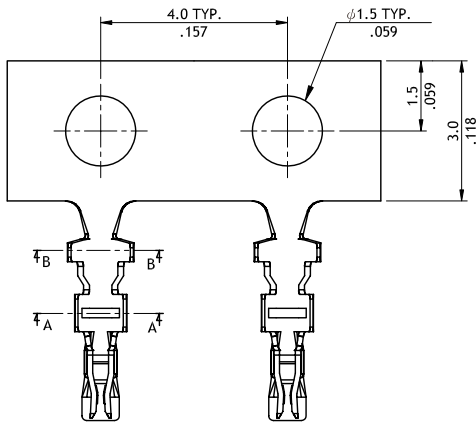
- ⊙ Insulator: Nylon 66 UL 94V-0, Color Nature
- ⊙ Terminal: Tin plated, Phosphor Bronze
- ⊙ Mate with CI11 headers
- ⊙ Compact design
- ⊙ Protrusions design for easy pull out



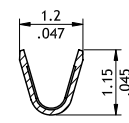
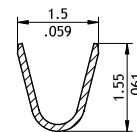
RoHS Compliant



A = 1.0 x No. of Spaces
 B = A + 4.0
 C = A + 2.0



Wire Range	Insulation Diameter	Reel Qty
AWG #28-#32	0.4-0.8(mm) (.016-.031)	16,000 PCS



Ordering Code

① C ② I ③ 11 ④ 15 ⑤ S ⑥ 000 ⑦ 0 ⑧ - ⑨ NH

- ① Series No.
- ② No. of Circuits: 02 ~ 15, 18, 20, 26
- ③ S = Housing
- ④ 000 = With Protrusions
N00 = Without Protrusions
- ⑤ Other Options: 0 = Standard
*Special options consult manufacturer
- ⑥ NH =For Lead Free and Halogen-Free

① CI11 ② T01 ③ 1 ④ P ⑤ P0

- ① Series No.
- ② Type: T01= AWG #28 ~ #32
- ③ Plating Code: 1 = Tin over Nickel
- ④ Material: P = Phosphor Bronze
- ⑤ Other Options: P0 = Standard

CI11 Series 1.00mm(.039") Single Row Wire to Board SMT Headers

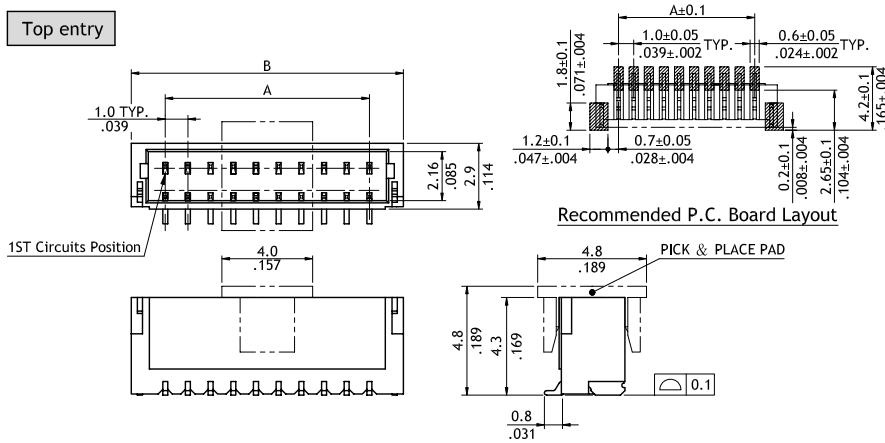
- ⊙ Polarization and Low-profile
- ⊙ Locking slots provide secure mating
- ⊙ Fixed tabs provide PCB hold-down
- ⊙ Mate with CI11 housing
- ⊙ With Tin plated SMT type contact

RoHS Compliant 



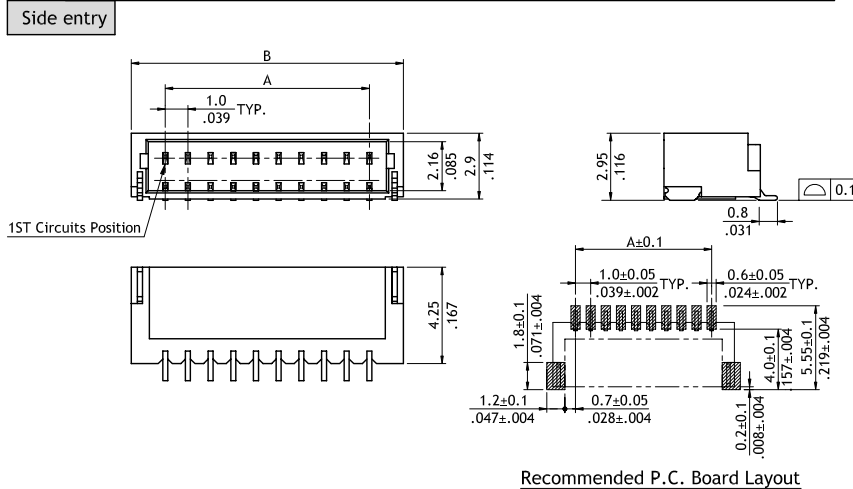
CI

Top entry



Recommended P.C. Board Layout

Side entry



Recommended P.C. Board Layout

Circuits	Dimension	
	A	B
2	1.0(.039)	4.0(.157)
3	2.0(.079)	5.0(.197)
4	3.0(.118)	6.0(.236)
5	4.0(.157)	7.0(.276)
6	5.0(.197)	8.0(.315)
7	6.0(.236)	9.0(.354)
8	7.0(.276)	10.0(.394)
9	8.0(.315)	11.0(.433)
10	9.0(.354)	12.0(.472)
11	10.0(.394)	13.0(.512)
12	11.0(.433)	14.0(.551)
13	12.0(.472)	15.0(.591)
14	13.0(.512)	16.0(.630)
15	14.0(.551)	17.0(.669)
18	17.0(.669)	20.0(.787)
20	19.0(.748)	22.0(.866)
24	23.0(.906)	26.0(1.024)
26	25.0(.984)	28.0(1.102)

Ordering Code

① CI11 ② 15 ③ M ④ 1 ⑤ V ⑥ R0 - ⑦ NH

- ① Series No.
- ② No. of Circuits:
02 ~ 15, 18, 20, 24, 26
- ③ M = SMT Type
- ④ Plating Code:
1 = Matte Tin over Nickel

- ⑤ Type : V = Top Entry
H = Side Entry
- ⑥ Packing Options:
R0 = Tape & Reel(Top entry type with pick & place pad)
T0 = Tube
- ⑦ NH = For Lead Free and Halogen-Free

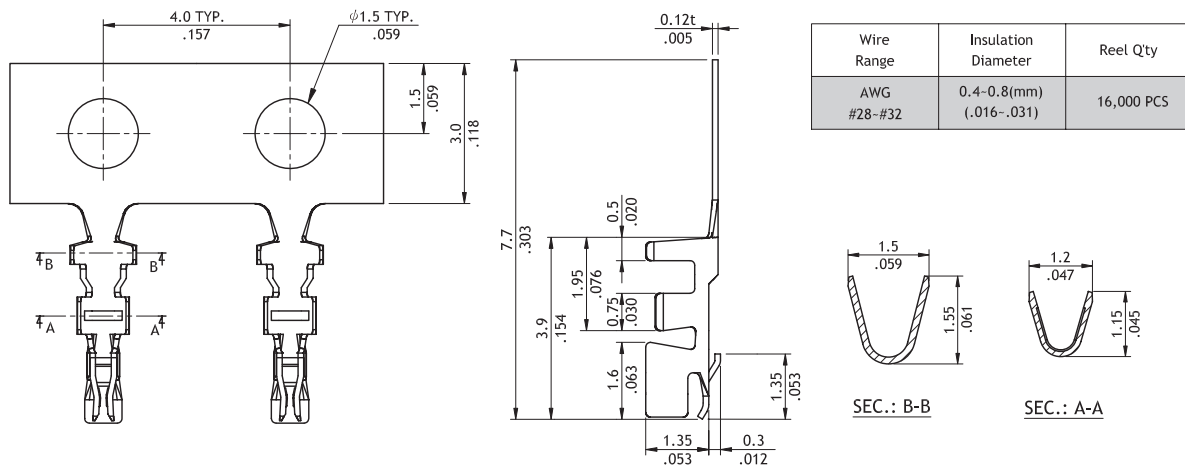
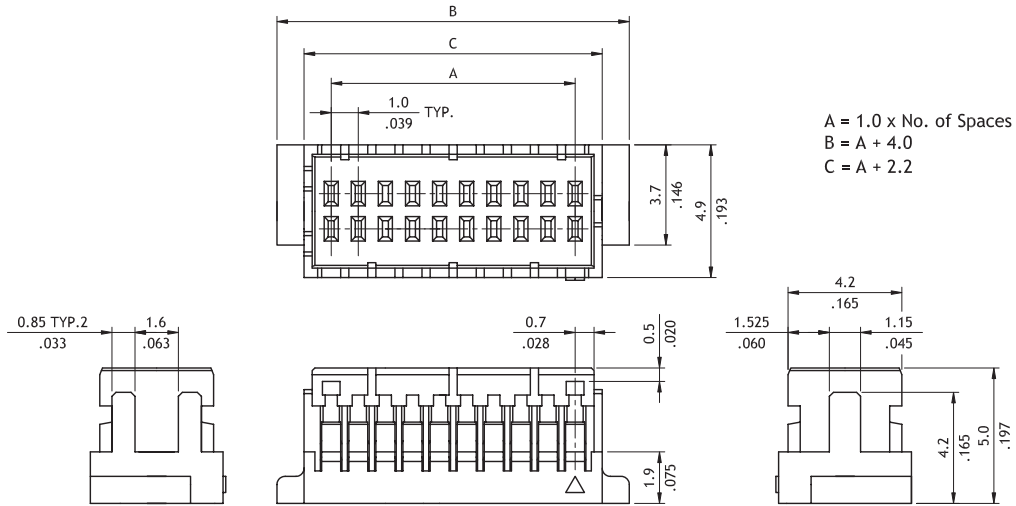
WIRE TO BOARD CONNECTORS

CI11 Series 1.00mm(.039") Dual Row Wire to Board Housing & Terminal

- ⊙ Insulator: Nylon 66 UL 94V-0, Color Nature
- ⊙ Terminal: Tin plated, Phosphor Bronze
- ⊙ Mate with CI11 headers
- ⊙ Compact design
- ⊙ Protrusions design for easy pull out



RoHS Compliant



Ordering Code

① C ② I ③ 11 ④ 50 ⑤ S ⑥ D ⑦ 000 - ⑧ NH

- ① Series No.
- ② No. of Circuits: 10,12,14, 16, 20, 30, 40, 50
- ③ S = Housing
- ④ D=Dual Row Type
- ⑤ Other Options: 000 = Standard
- *Special options consult manufacturer
- ⑥ NH = For Halogen-Free

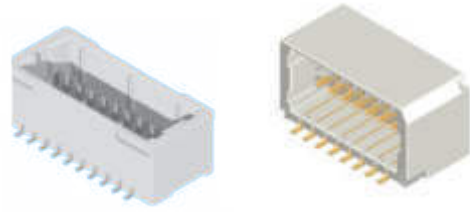
① C ② I ③ 11 ④ T01 ⑤ 1 ⑥ P ⑦ PH

- ① Series No.
- ② Type:T01= AWG #28-#32
- ③ Plating Code: 1= Tin over Nickel
- ④ Material: P=Phosphor Bronze
- ⑤ Other Option:PH= Low Single contact force

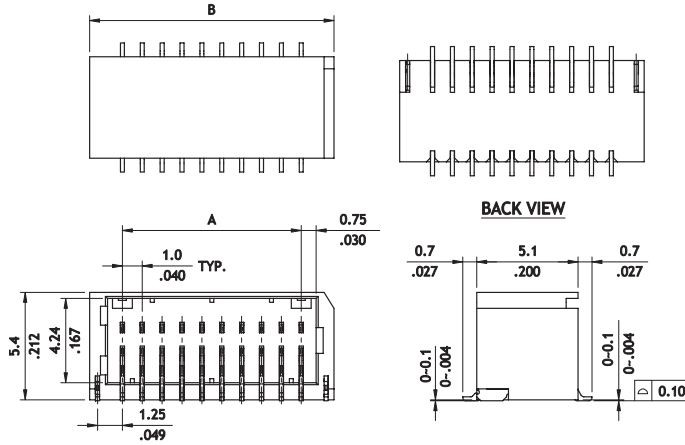
CI11 Series 1.00mm(.039") Dual Row Wire to Board SMT Headers

- ⊙ Polarization and Low-profile
- ⊙ Locking slots provide secure mating
- ⊙ Fixed tabs provide PCB hold-down
- ⊙ With Tin plated SMT type contact

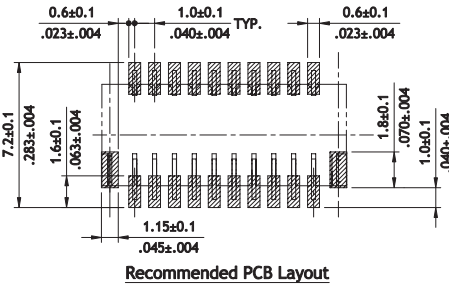
RoHS Compliant   



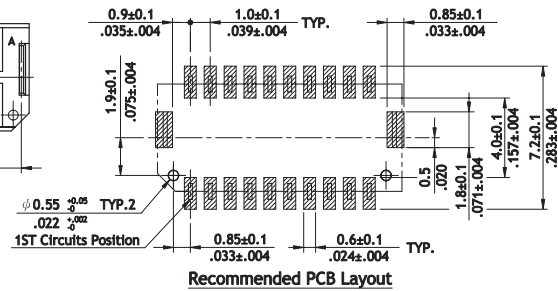
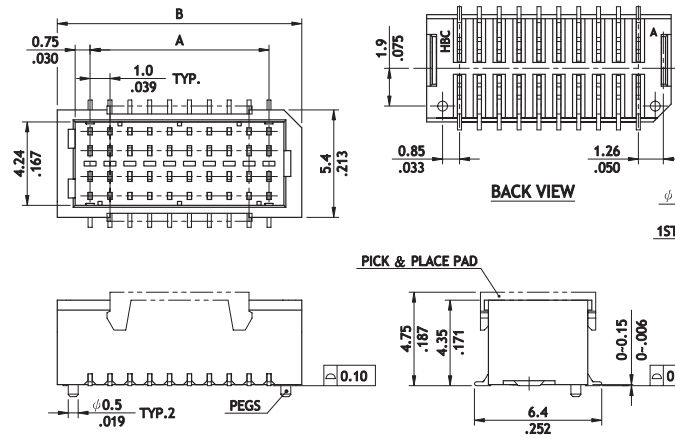
Top entry



Circuits	Dimension	
	A	B
12	5.0(.197)	8.3(.327)
16	7.0(.276)	10.3(.406)
18	8.0(.315)	11.3(.445)
20	9.0(.354)	12.3(.484)
30	14.0(.551)	17.3(.681)
40	19.0(.748)	22.3(.878)
50	24.0(.945)	27.3(1.075)



Side entry



Circuits	Dimension	
	A	B
10	4.0(.157)	7.3(.287)
14	6.0(.236)	9.3(.366)
16	7.0(.276)	10.3(.406)
20	9.0(.354)	12.3(.484)
24	11.0(.433)	14.3(.681)
30	14.0(.511)	17.3(.681)
40	19.0(.748)	22.3(.878)
50	24.0(.945)	27.3(1.075)

Ordering Code

① CI11 ② 50 ③ M ④ 2 ⑤ V ⑥ D ⑦ 0 ⑧ - R0 ⑨ - NH

- ① Series No.
- ② No. of Circuits:
Top Entry: 10,14,16,20,24,30,40,50
Side Entry: 12,16,18,20,30,40,50
*see above table
- ③ M = SMT Type
- ④ Plating Code:
2 = Gold flash over Nickel

- ⑤ Type: V = Top Entry
H = Side Entry
- ⑥ D = Dual Row type
- ⑦ Pegs Options:
Top Entry: 0 = With Pegs(Standard)
1 = Without Peg
Side Entry: 0 = Standard

- ⑧ Packing Options:
R0 = Tape & Reel
T0 = Tube
- ⑨ NH = For Lead Free IR process and Halogen-Free

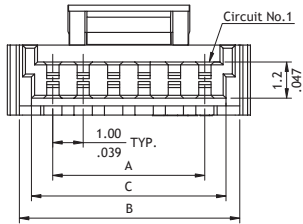
CI16 Series 1.00mm(.039") Wire to Board Connectors Housing & Terminal

- ⊙ Mate with CI16 header
- ⊙ Can be used with CI16 crimp clip terminal
- ⊙ Insulator: Nylon 66 UL 94V-0, Color Nature



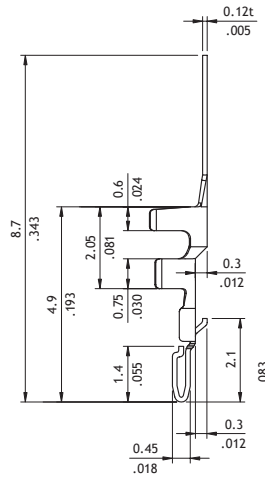
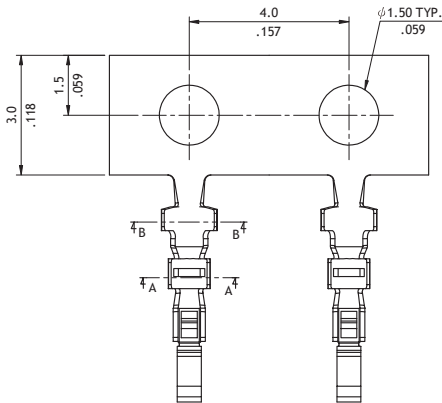
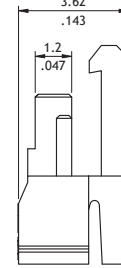
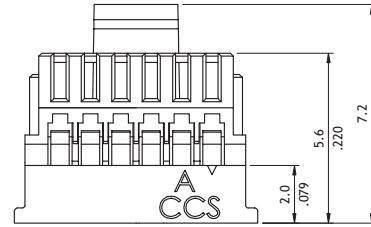
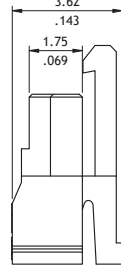
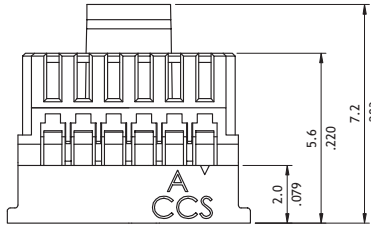
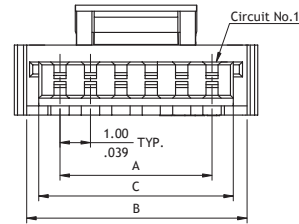
RoHS Compliant

P/N CI16**SL00A-NH

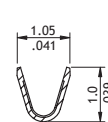


DIM. A = 1.00 x No. of Spaces
 DIM. B = DIM. A + 2.00
 DIM. C = DIM. A + 1.50

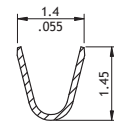
P/N CI16**SL000-NH



Wire Range	Insulation Diameter	Reel Qty
AWG #28-#32	0.78-0.92(mm) (.031-.036)	16,000 PCS.



SEC.: A-A



SEC.: B-B

Ordering Code

① C ② 16 ③ 20 ④ S ⑤ L ⑥ 00A - NH

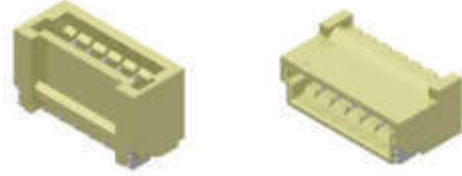
① C ② 16 ③ T01 ④ 1 ⑤ P E0

- ① Series No.
- ② No. of Circuits: 02 ~ 20
- ③ S = Connector housing
- ④ L=With Locking Latch
- ⑤ Other Options: 00A =Type 1 (Standard)
000 =Type 2
- ⑥ NH = For Halogen-Free

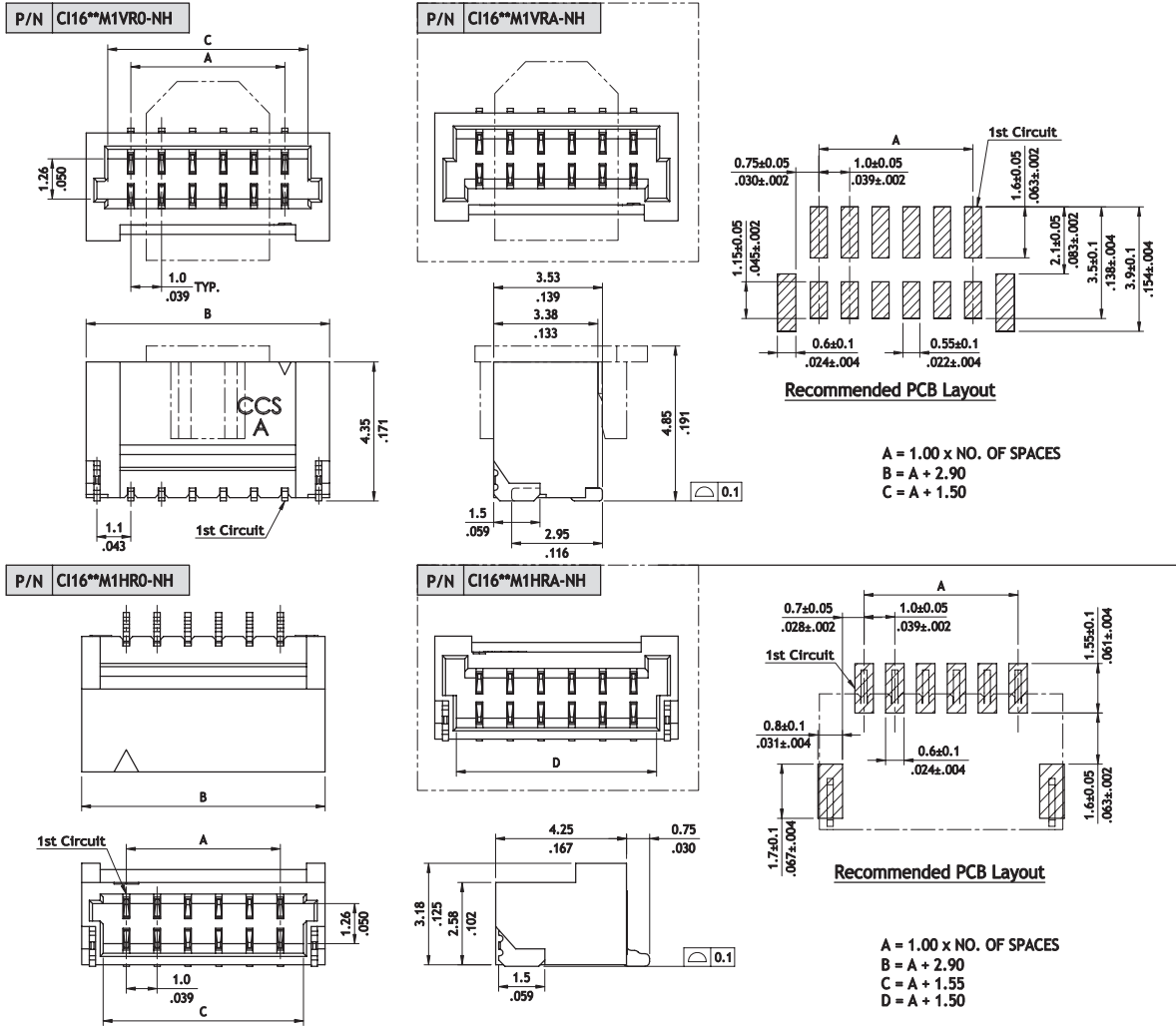
- ① Series No.
- ② Type:T01= AWG #28~#32
- ③ Plating Code: 1= Tin over Nickel
- ④ Material: P=Phosphor Bronze
- ⑤ Other Option: E0=Standard

CI16 Series 1.00mm(.039") Wire to Board Connectors SMT Headers

- ⊙ Fixed tabs provide PCB hold-down
- ⊙ Mate with CI16 housing
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ Terminal: Tin plated Phosphor Bronze



RoHS Compliant 



Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
CI16 20 M 1 V R A - NH

- ① Series No.
- ② No. of Circuits: 02 ~ 20
- ③ M = SMT Type
- ④ Plating Code: 1 = Matte Tin over Nickel
- ⑤ Type: V = Top Entry
H = Side Entry
- ⑥ Packing Options: R = Tape & Reel
- ⑦ Other Option: A = Type 1 (Standard)
0 = Type 2
- ⑧ NH = For Lead Free IR Process and Halogen-Free

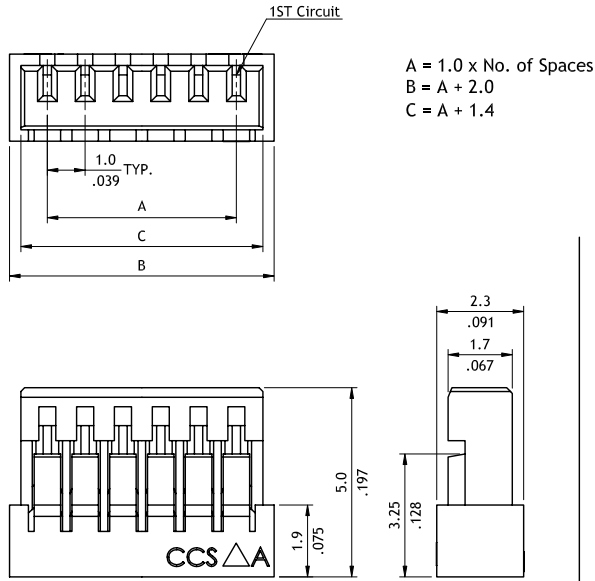
CI14 Series 1.00mm(.039") Wire to Board Connectors Housing & Terminal

- ⊙ Mate with CI14 Header
- ⊙ Can be used with CI14 crimp clip terminal
- ⊙ Insulator: Glass filled polyester or Nylon 66 UL 94V-0, Color Nature
- ⊙ Terminal: Tin plated Phosphor Bronze

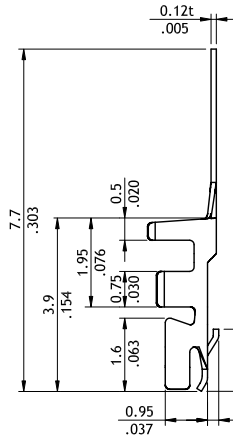
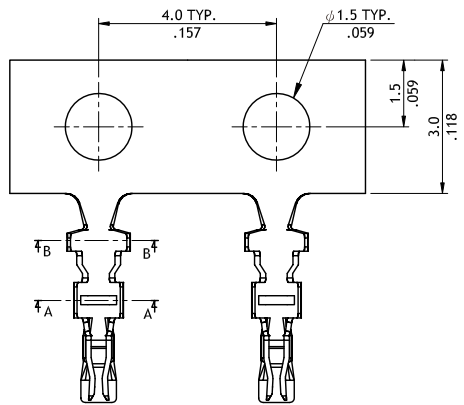
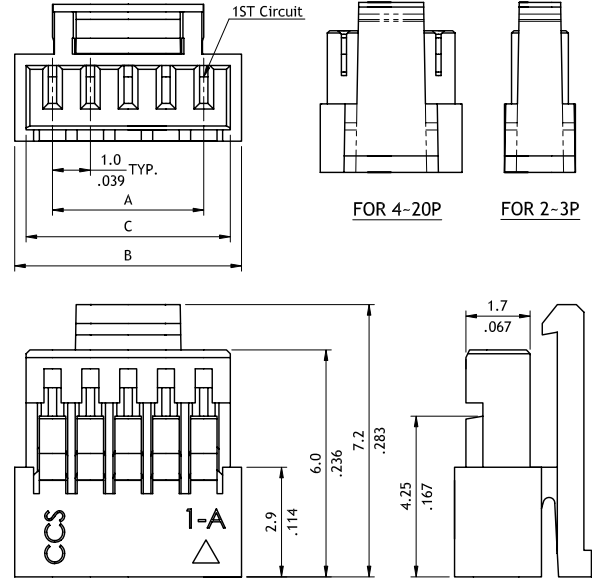
RoHS Compliant



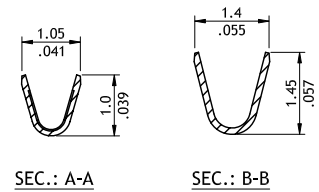
Without Latch Type



With Latch Type



Wire Range	Insulation Diameter	Reel Qty
AWG #28-#32	0.65-0.92(mm) (.026-.036)	16,000 PCS.



Ordering Code

① CI14 ② 20 ③ S ④ 000A - ⑤ NH

① CI14 ② T01 ③ 1 ④ P ⑤ E0

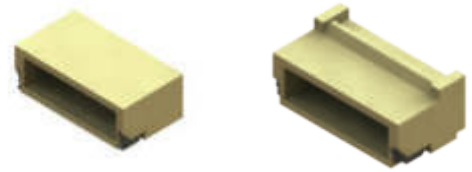
- ① Series No.
- ② No. of Circuits: 02 ~ 20
- ③ S = Housing
- ④ 000A=Without Locking Latch
L000=With Locking Latch
- ⑤ NH = For Halogen-Free

- ① Series No.
- ② Type:T01= AWG #28~#32
- ③ Plating Code: 1= Tin over Nickel
- ④ Material: P=Phosphor Bronze
- ⑤ Other Option: E0=Standard

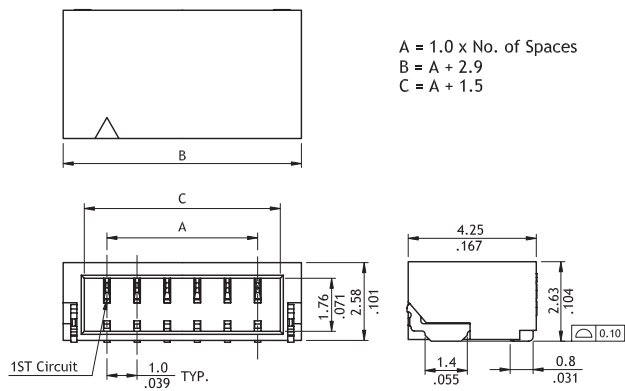
CI14 Series 1.00mm(.039") Wire to Board SMT Side Entry Headers

- ⊙ Fixed tabs provide PCB hold-down
- ⊙ Mate with CI14 Housing
- ⊙ Insulator : High temperature plastic UL 94V-0, Color Nature

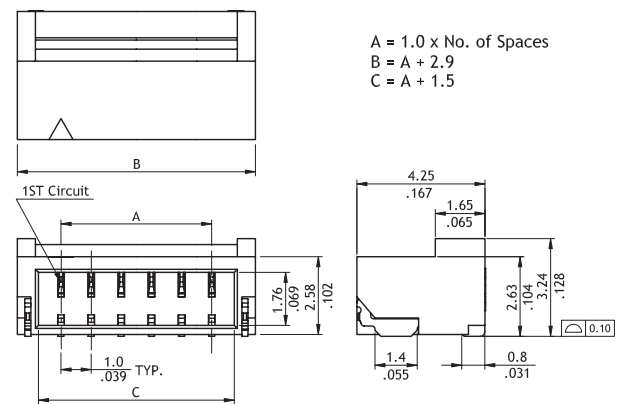
RoHS Compliant



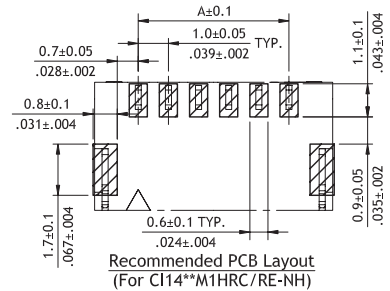
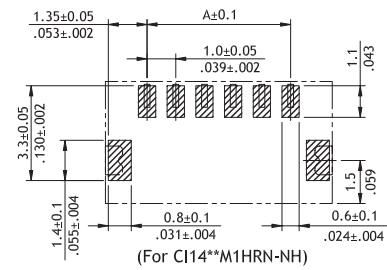
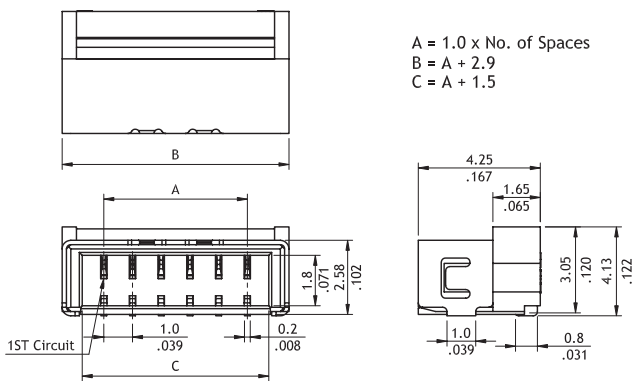
P/N CI14**M1HRC-NH



P/N CI14**M1HRE-NH

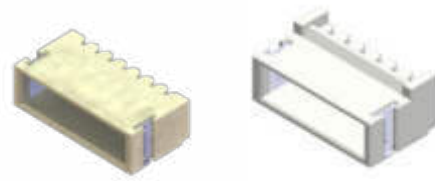


P/N CI14**M1HRN-NH



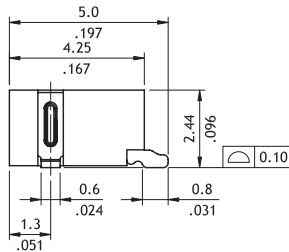
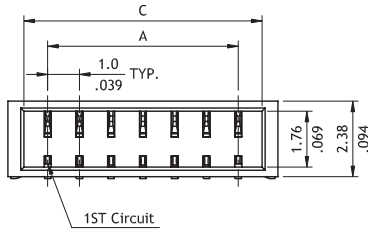
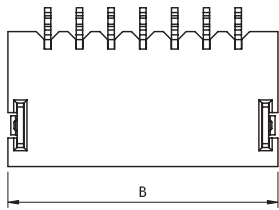
CI14 Series 1.00mm(.039") Wire to Board SMT Side Headers

- ⊙ Fixed tabs provide PCB hold-down
- ⊙ Mating with CI14 Housing
- ⊙ Insulator: High temperature plastic UL 94V-0, color Nature



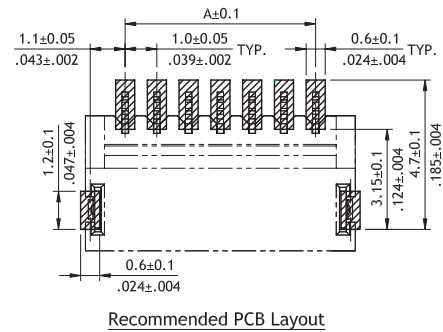
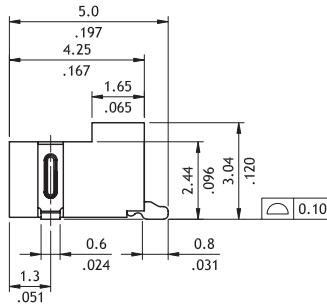
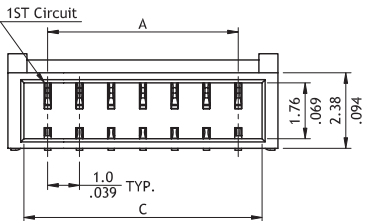
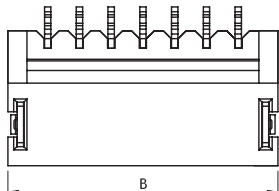
RoHS Compliant

P/N CI14**M1HR0-NH



Circuits	Dimension		
	A	B	C
2	1.0(.039)	3.5(.138)	2.5(.098)
3	2.0(.079)	4.5(.177)	3.5(.138)
4	3.0(.118)	5.5(.216)	4.5(.177)
5	4.0(.157)	6.5(.256)	5.5(.216)
6	5.0(.197)	7.5(.295)	6.5(.256)
7	6.0(.236)	8.5(.335)	7.5(.295)
8	7.0(.276)	9.5(.374)	8.5(.335)
9	8.0(.315)	10.5(.413)	9.5(.374)
10	9.0(.354)	11.5(.453)	10.5(.413)
11	10.0(.394)	12.5(.492)	11.5(.453)
12	11.0(.433)	13.5(.531)	12.5(.492)
13	12.0(.472)	14.5(.571)	13.5(.531)
14	13.0(.512)	15.5(.610)	14.5(.571)
15	14.0(.551)	16.5(.650)	15.5(.610)
16	15.0(.590)	17.5(.689)	16.5(.650)
17	16.0(.630)	18.5(.728)	17.5(.689)
18	17.0(.669)	19.5(.768)	18.5(.728)
19	18.0(.709)	20.5(.807)	19.5(.768)
20	19.0(.748)	21.5(.846)	20.5(.807)

P/N CI14**M1HRL-NH



Ordering Code

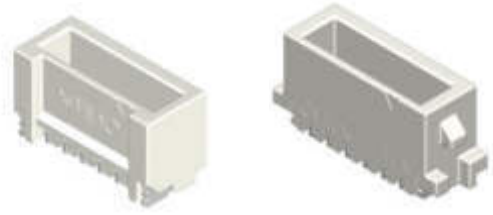
① ② ③ ④ ⑤ ⑥ ⑦
CI14 20 M 1 H RE - NH

- ① Series No.
- ② No. of Circuits:
 (Available: R0: 2~20
 RC: 2~12
 RL: 2~20
 RE: 2~12
 RN: 8~10)
- ③ M = SMT Type
- ④ Plating Code: 1 = Matte Tin over Nickel
- ⑤ Type: H = Side Entry
- ⑥ Other Options:
 R0 = Normal Type with Reel Packing (H Type, 02 ~ 20)
 RL = Normal Lock Type with Reel Packing (H Type, 02 ~ 20)
 RC = Short Type with Reel Packing (H Type, 02 ~ 12)
 RE = Short Lock Type with Reel Packing (H Type, 02 ~ 12)
 RN = Strengthen Type
- ⑦ NH = For Lead Free IR process and Halogen-Free

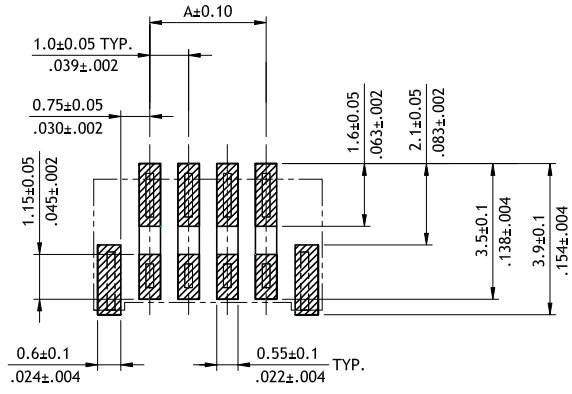
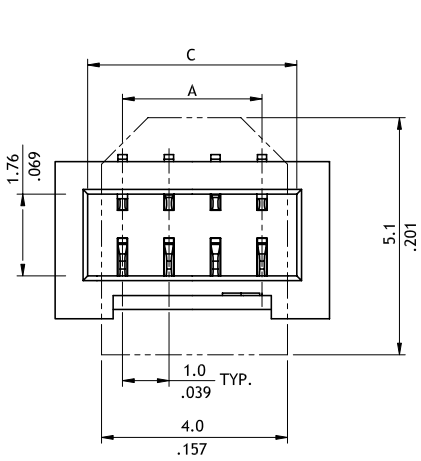
CI14 Series 1.00mm(.039") Wire to Board SMT Top Entry Headers

- ⊙ Fixed tabs provide PCB hold-down
- ⊙ Mating with CI14 Housing
- ⊙ Insulator: High temperature plastic UL 94V-0, color Natu

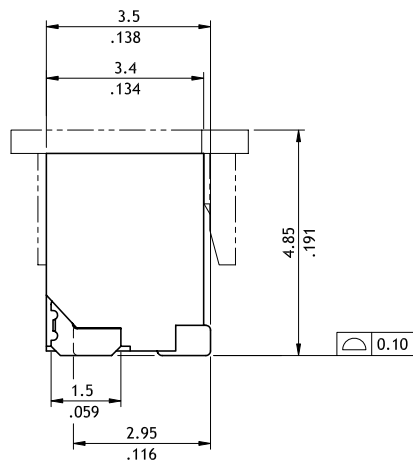
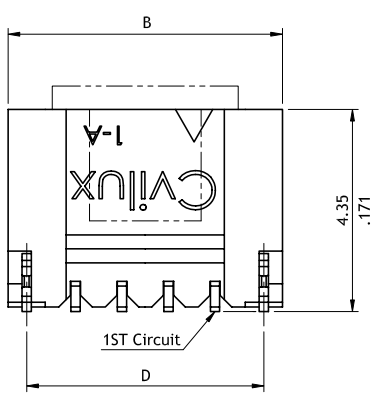
RoHS Compliant



P/N CI14**M1VL0-NH



Recommended PCB Layout



- A = 1.0 x No. of Spaces
- B = A + 2.9(2-3P)
- B = A + 2.7(4-12P)
- C = A + 1.5
- D = A + 2.0

Ordering Code

① CI14 ② 12 ③ M ④ 1 ⑤ V ⑥ L0 - NH ⑦

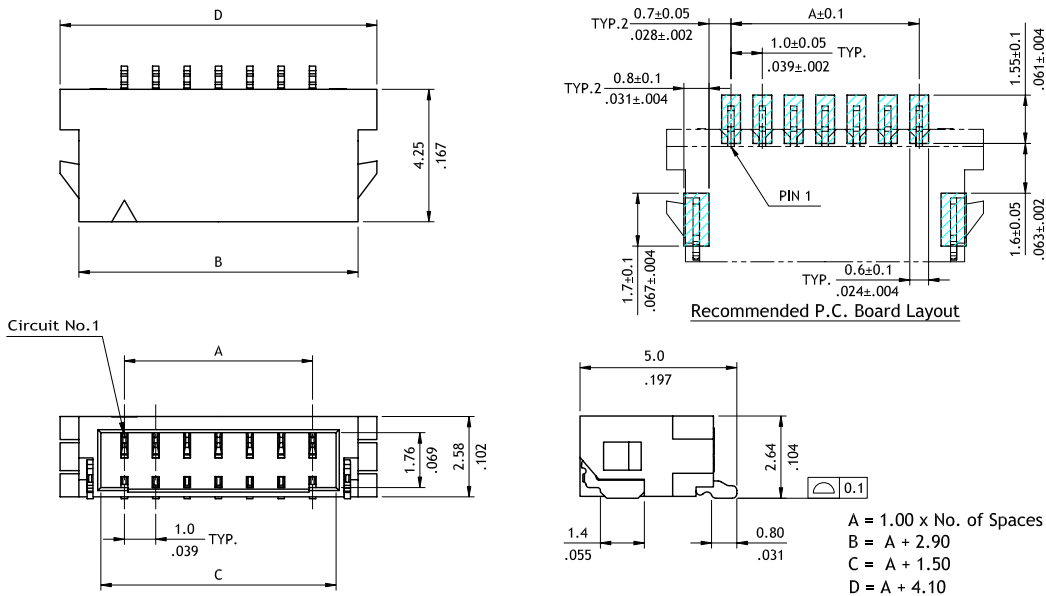
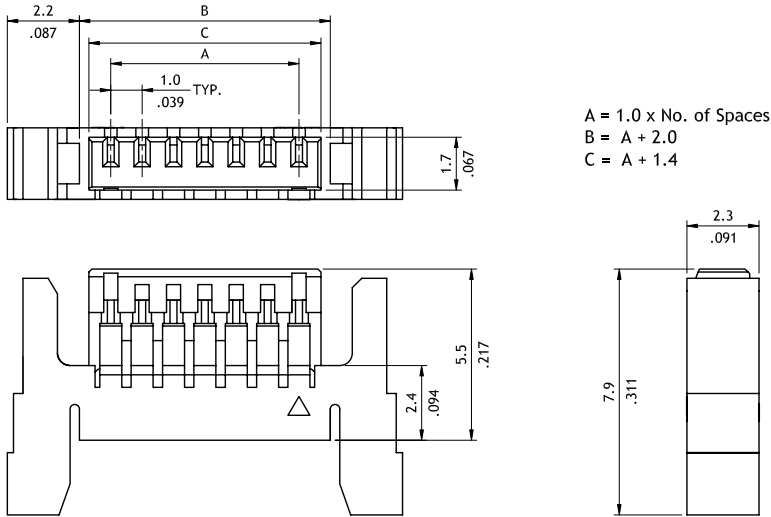
- ① Series No.
- ② No. of Circuits: 2~12
- ③ M = SMT Type
- ④ Plating Code: 1 = Matte Tin over Nickel
- ⑤ Type: V = Top Entry
- ⑥ Other Options:
L0 = Locking Type with Reel Packing
LB = Dual latch type
- ⑦ NH = For Lead Free IR process and Halogen-Free

CI14 Series 1.00mm(.039") Wire to Board Housing & SMT Side Entry Header

- ⊙ Can be used CI14 crimp clip terminal
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ Insulator: Nylon 66 UL 94V-0, Color Nature
- ⊙ With locking latch provide secure mating



RoHS Compliant



Ordering Code

①	②	③	④	⑤	⑥	⑦	⑧
C I 14	03	S	L	00C	-	NH	

① Series No.
 ② No. of Circuits: 03 ~ 20
 ③ S= Housing
 ④ L=With Locking Latch
 ⑤ Other Option: 00C = Latch Type 2
 ⑥ NH = For Lead Free and Halogen-Free

①	②	③	④	⑤	⑥	⑦	⑧
C I 14	03	M	1	H	R	I	- NH

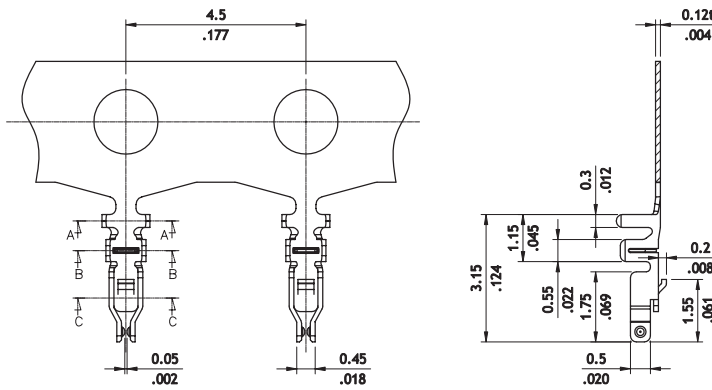
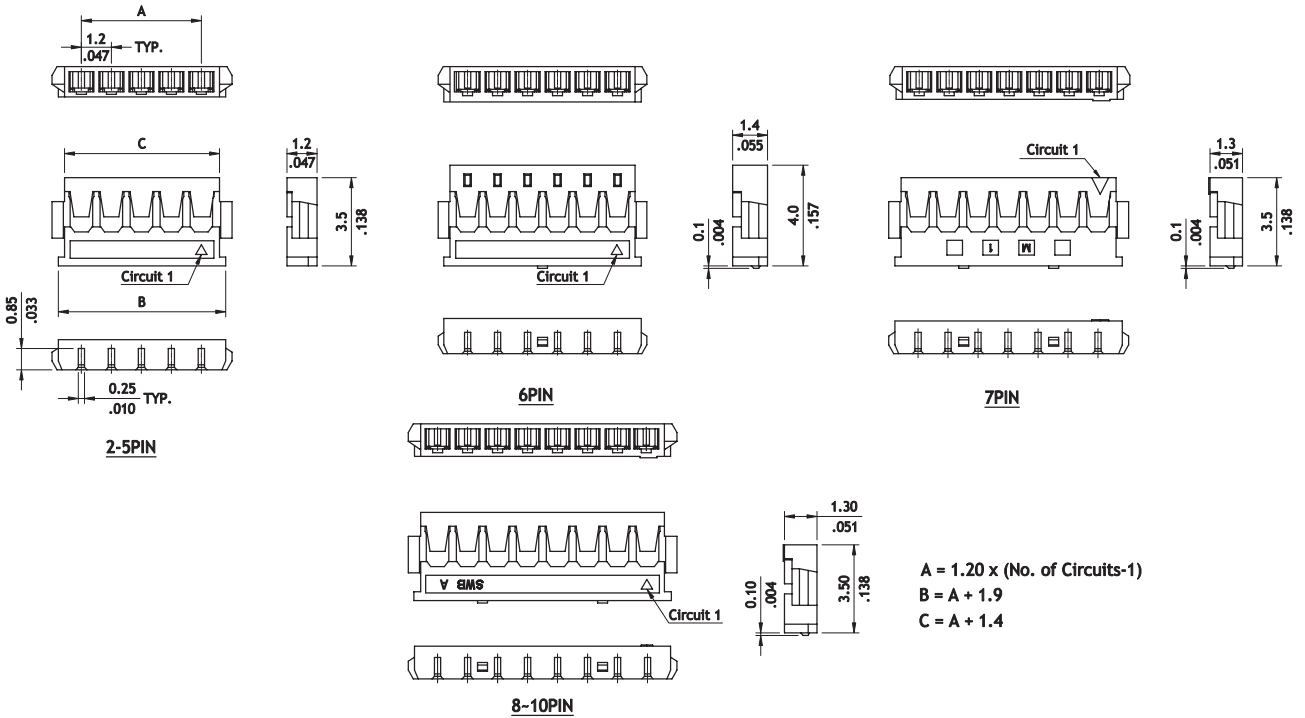
① Series No.
 ② No. of Circuits: 03 ~ 20
 ③ M = SMT Type
 ④ Plating Code: 1 = Matte Tin over Nickel
 ⑤ Type: H = Side Entry
 ⑥ Packing Options: R = Tape & Reel
 ⑦ Other Options: I = Dual Latch Type
 ⑧ NH = For Lead Free IR process and Halogen-Free

CI63 Series 1.20mm(.048") Wire to Board Housing / Terminal

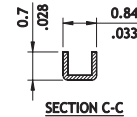
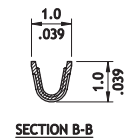
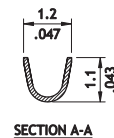
- ⊙ Mate with CI63 Header
- ⊙ Can be used with CI63 crimp clip terminal
- ⊙ Insulation: High temperature plastic UL 94V-0, Color Black



RoHS Compliant



Wire Range	Insulation Diameter	Reel Qty
AWG #28~#30	0.70 (.028) MAX.	15,000 PCS.



Ordering Code

① C I 63 ② 07 ③ S ④ 0000

① C I 63 ② T01 ③ 2 ④ P ⑤ P0

- ① Series No.
- ② No. of Circuits: 02 ~ 10
- ③ S = Housing
- ④ Other Options: 0000 = Standard

- ① Series No.
- ② Type: T01=AWG #28~ #30
- ③ Plating : 2 = Gold flash over Nickel
- ④ Material : P=Phosphor Bronze
- ⑤ Option : P0 =Standard

CI

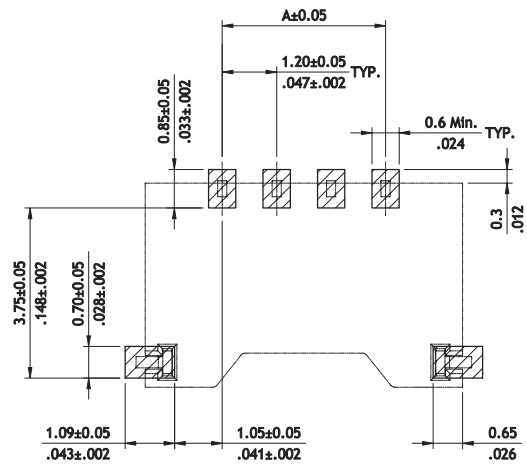
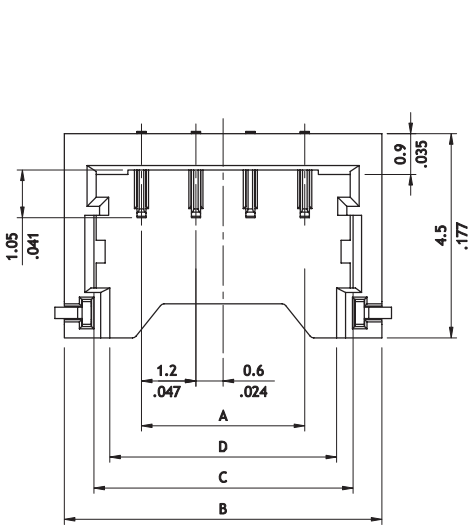
WIRE TO BOARD CONNECTORS

CI63 Series 1.20mm(.048") Wire to Board SMT Headers

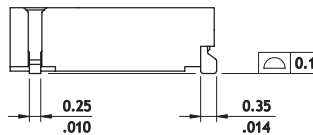
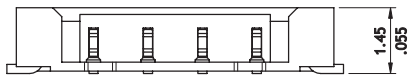
- ⊙ Mate with CI63 Housing
- ⊙ Insulation: High temperature plastic UL 94V-0,
- ⊙ Color Black



RoHS Compliant



Recommended PCB Layout



- A = 1.20 x (No. of Circuits-1)
- B = A + 3.4
- C = A + 2.1
- D = A + 1.4

Ordering Code

① C I 63 ② 10 ③ M ④ 2 ⑤ V ⑥ R ⑦ 0 - ⑧ NH

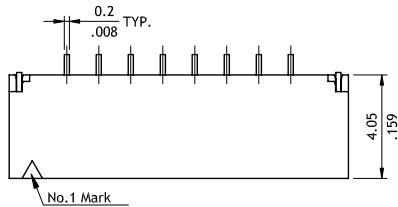
- ① Series No.
- ② No. of Circuits: 2 ~ 6 ,8,10
- ③ Solder Type: M = SMT
- ④ Plating Code:
2 = Gold flash over Nickel
- ⑤ Type: V = Top Entry
- ⑥ Packing Options: R = Tape & Reel Packing
- ⑦ Other Option: 0 = Standard
- ⑧ NH = For Lead Free IR process and Halogen-Free

CI40 Series 1.25mm(.049") Wire to Board SMT Header

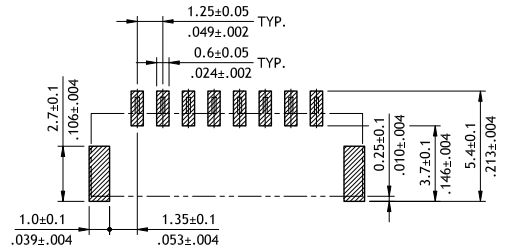
- ⊙ Locking slots provide secure mating
- ⊙ Fixed tab PCB hold-down and strain-relief for SMT tail
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature



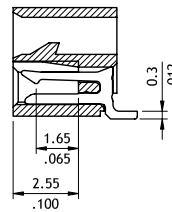
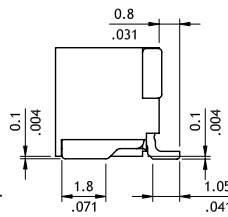
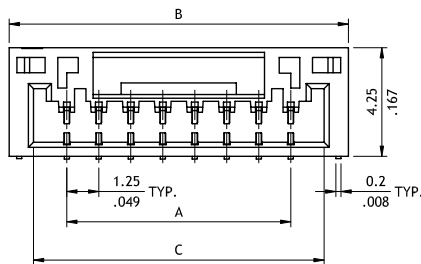
P/N CI40**M1HR0-NH



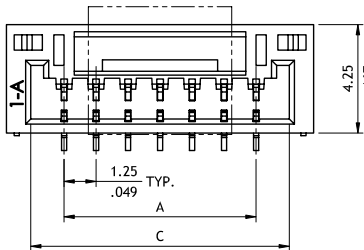
A = 1.25 x No. of Spaces
 B = A + 4.50
 C = A + 2.60



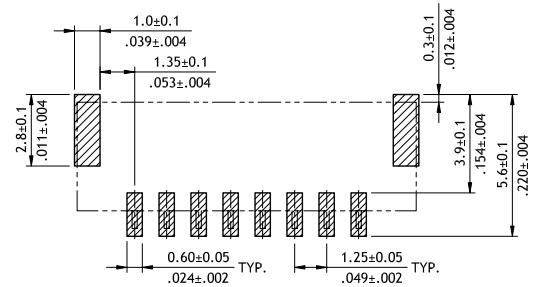
Recommended PCB Layout



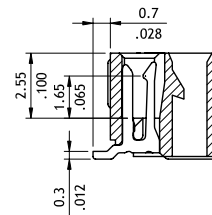
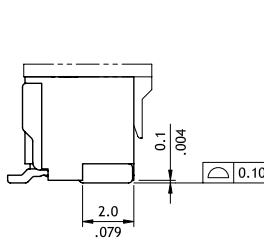
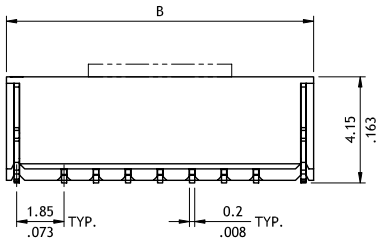
P/N CI40**M1VR0-NH



A = 1.25 x No. of Spaces
 B = A + 4.50
 C = A + 2.60



Recommended PCB Layout



Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦
CI40 15 M 1 V RA - NH

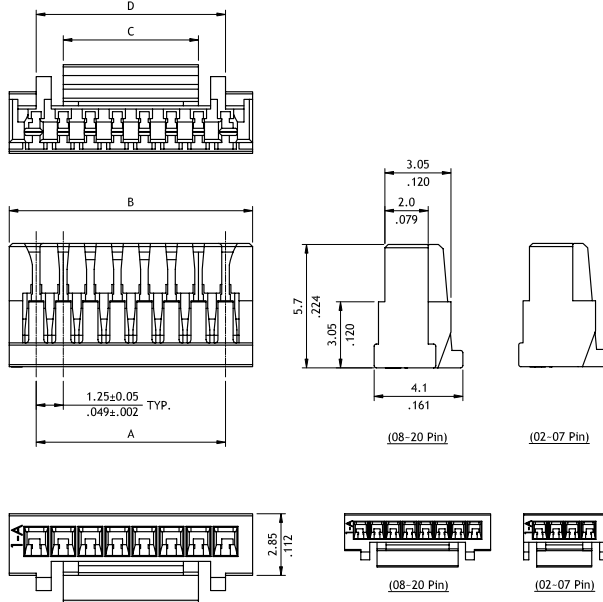
- ① Series No.
- ② No. of Circuits: 02 ~15
- ③ Contact Type : M = SMT
- ④ Plating Code : 1 = Matte Tin over Nickel

- ⑤ Tail Style: H=Side entry
V=Vertical
- ⑥ Option : R0=Tape & Reel Packing
- ⑦ NH = For Lead Free IR Process
and Halogen-Free

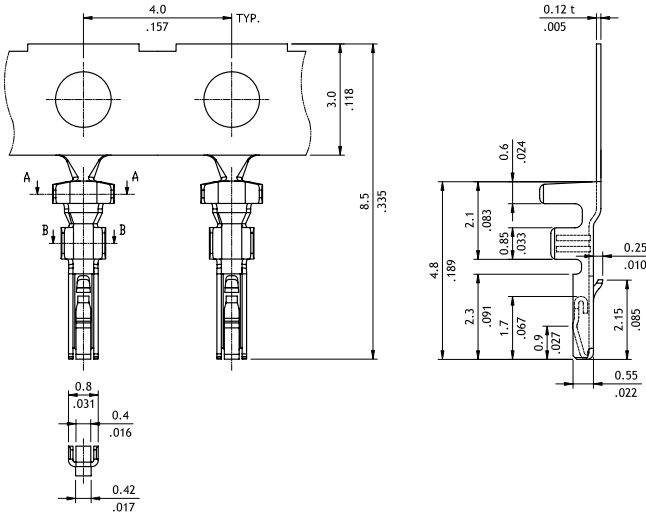
CI40 Series 1.25mm(.049") Wire to Board Housing & Terminal

- ⊙ Locking latch provide secure mating
- ⊙ Insulation: Nylon66 UL 94V-0,Color Nature
- ⊙ Terminal : Tin plate phosphor Bronze

RoHS Compliant



Circuits	Dimension			
	A	B	C	D
2	1.25(.049)	3.75(.148)	2.00(.079)	-
3	2.50(.098)	5.00(.197)	3.20(.126)	-
4	3.75(.148)	6.25(.246)	4.25(.167)	-
5	5.00(.197)	7.50(.295)	4.25(.167)	-
6	6.25(.246)	8.75(.344)	6.25(.246)	-
7	7.50(.295)	10.00(.394)	6.25(.246)	-
8	8.75(.344)	11.25(.443)	6.25(.246)	8.75(.344)
9	10.00(.394)	12.50(.492)	6.25(.246)	10.00(.394)
10	11.25(.443)	13.75(.541)	8.20(.323)	11.25(.443)
11	12.50(.492)	15.00(.591)	8.20(.323)	12.50(.492)
12	13.75(.541)	16.25(.640)	8.20(.323)	13.75(.541)
13	15.00(.591)	17.50(.689)	8.20(.323)	15.00(.591)
14	16.25(.640)	18.75(.738)	8.20(.323)	13.75(.541)
15	17.50(.689)	20.00(.787)	8.20(.323)	15.00(.591)
18	21.25(.837)	23.75(.935)	8.20(.323)	10.70(.421)
20	23.75(.935)	26.25(1.033)	8.20(.323)	10.70(.421)



Wire Range	Insulation Diameter	Reel Qty
AWG #28-#30	1.0 (.039) MAX.	15,000 PCS.

Ordering Code

① C I 40 ② 02 ③ S ④ L 0 0 0 - ⑤ N H

① C I 4 0 ② T 0 1 ③ 1 ④ P ⑤ P 0

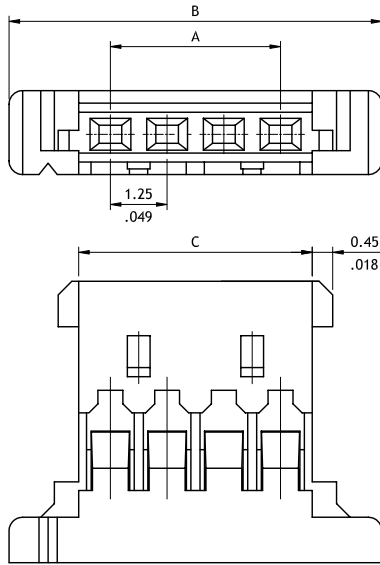
- ① Series No.
- ② No. of Circuits:
- ③ S =Connector Housing
- ④ Other Options: L000 = Color Nature (Standard)
- ⑤ NH = For Lead Free and Halogen-Free

- ① Series No.
- ② Type: T01=AWG #26~ #30
- ③ Plating Code : 1=Tin over Nickel
- ④ Material : P=Phosphor Bronze
- ⑤ Other Options : P0 =Standard

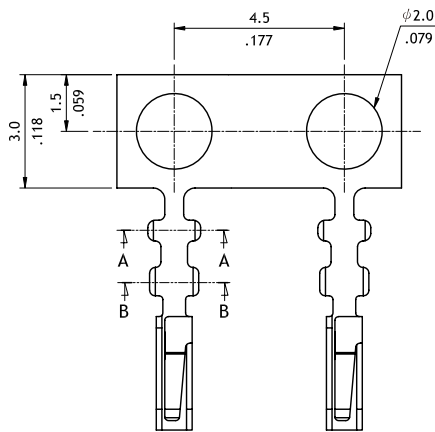
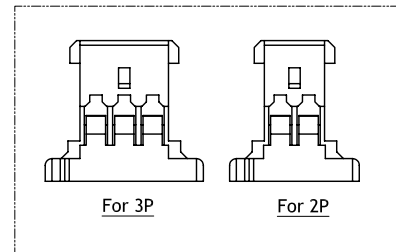
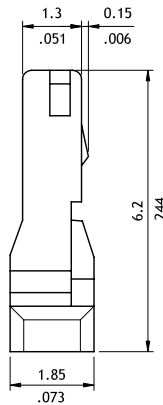
CI42 Series 1.25mm(.049") Wire to Board Housing & Terminal

- ⊙ Mate with CI42 Header
- ⊙ Can be used with CI42 Crimp clip terminal
- ⊙ Insulation: Nylon 66 UL 94V-0, Color Nature

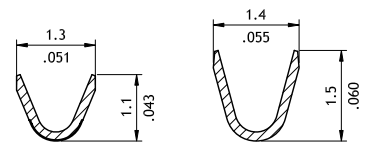
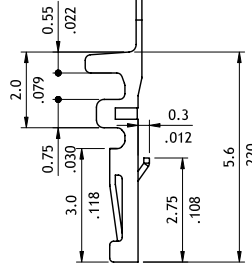
RoHS Compliant 



A = 1.25 * No. of Spaces
 B = A + 4.47
 C = A + 1.4



Wire Range	Insulation Diameter	Reel Qty
AWG #28-#32	1.0 (.039) MAX.	20,000 PCS.



SEC.: B-B

SEC.: A-A

Ordering Code

① C ② I42 ③ 10 ④ S L ⑤ 000

① C I42 ② T01 ③ 1 ④ P ⑤ P0

- ① Series No.
- ② No. of Circuits: 02 ~ 12
- ③ S= Housing
- ④ L=With Latch
- ⑤ Other Options: 000=Standard

- ① Series No.
- ② Type: T01=AWG #28~ #32
- ③ Plating Code: 1 = Tin over Nickel
- ④ Material : P=Phosphor Bronze
- ⑤ Other Options : P0 =Standard

CI

WIRE TO BOARD CONNECTORS

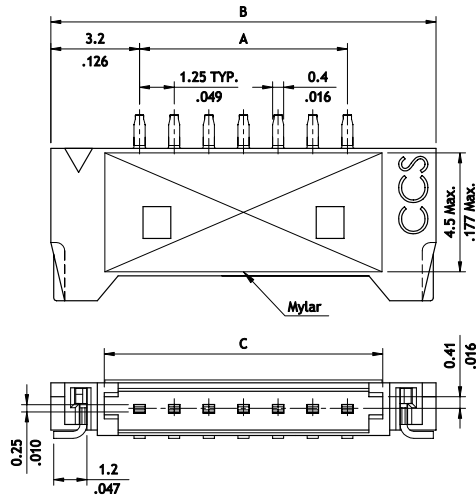
CI42 Series 1.25mm(.049") Wire to Board SMT Header

- ⊙ Locking ramps provide secure mating
- ⊙ Fixed tab PCB hold-down for SMT tail
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ With Gold flash SMT type contact

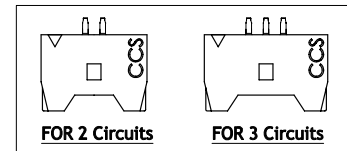
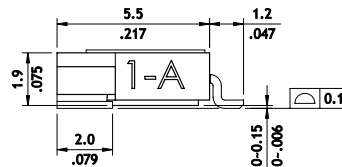
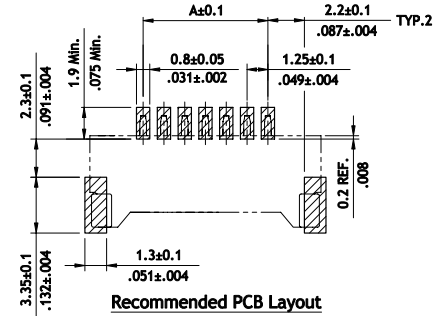


RoHS Compliant

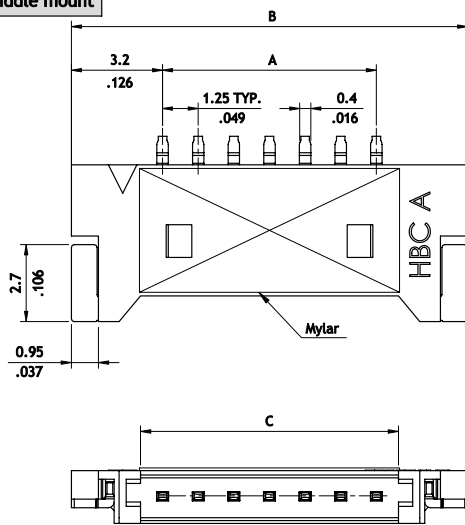
Top mount



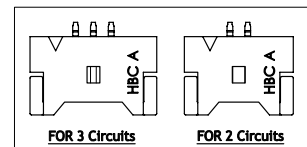
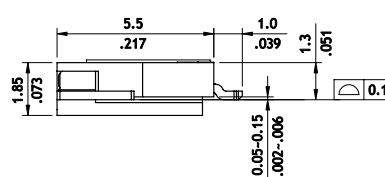
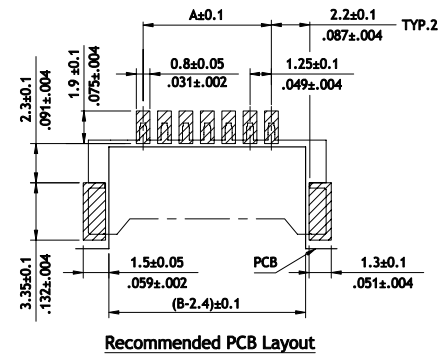
A = 1.25 x No. of Spaces
 B = A + 6.4
 C = A + 2.55



Middle mount



A = 1.25 x No. of Spaces
 B = A + 6.4
 C = A + 2.55



Ordering Code

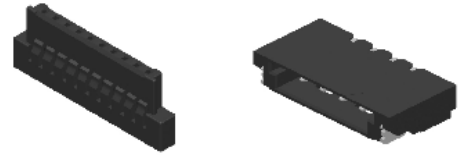
① C I 4 2 ② 1 2 ③ M ④ 2 ⑤ H ⑥ R ⑦ P ⑧ - NH

- ① Series No.
- ② No. of Circuits: 02 ~ 12
- ③ M = SMT Type
- ④ Plating Code:
2 = Gold flash over Nickel
- ⑤ Type: H = Side Entry

- ⑥ Packing Options:
R = Tape & Reel
- ⑦ Other Options:
0 = Top mount type without Mylar
P = Top mount type with Mylar
D = Middle mount type, Without Mylar
A = Middle mount type, With Mylar
- ⑧ NH = For Lead Free IR process and Halogen-Free

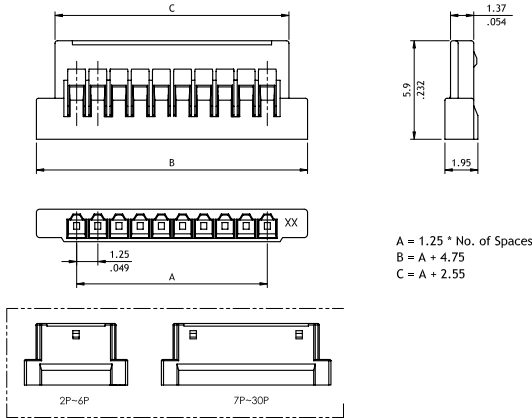
CI43 Series 1.25mm(.049") Wire to Board Housing & Terminal & SMT Header

- ⊙ 2.03mm above the board
- ⊙ Copper alloy dual contacts
- ⊙ Insulation: High temperature plastic UL 94V-0, Color Black
- ⊙ With metal fixed tabs to secure connector in place

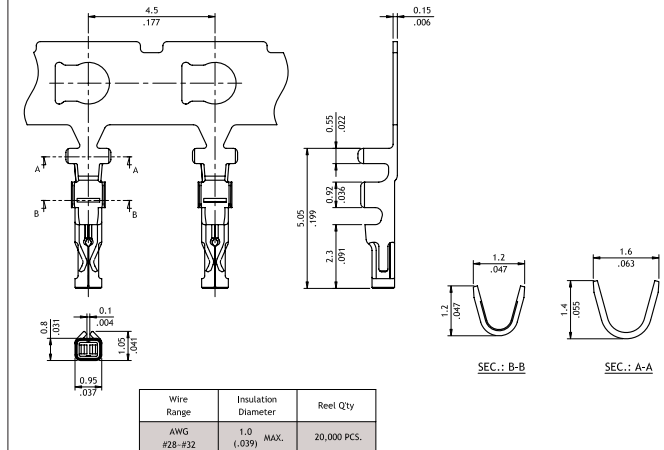


RoHS Compliant 

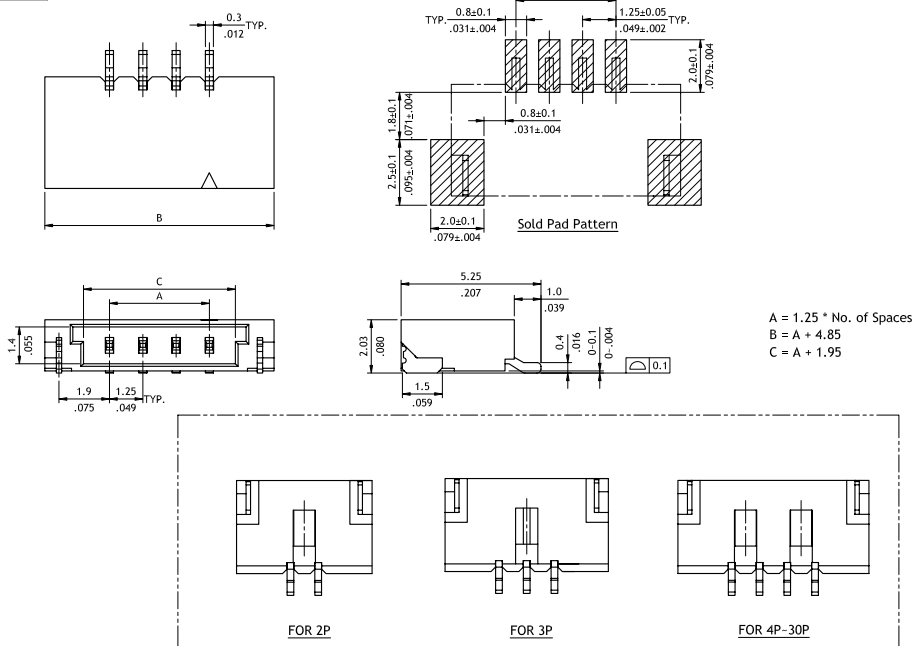
P/N CI43**S0000



P/N CI43T011PE0



P/N CI43**M1HR0-NH



Ordering Code

① C I 43 ② 12 ③ S ④ 0000

- ① Series No.
- ② No. of Circuits: 02 ~15,20,25,30
- ③ S = Housing
- ④ Other Options:
0000 = Standard

① C I 43 ② 12 ③ M ④ 1 ⑤ H ⑥ R ⑦ 0 ⑧ - NH

- ① Series No.
- ② No. of Circuits: 02 ~30
(Available: 02 ~12,16,24)
- ③ M = SMT Type
- ④ 1 = Matte Tin over Nickel
2 = Gold flash over Nickel
- ⑤ Type: H=Side Entry
- ⑥ Packing Options:
R = Tape & Reel
- ⑦ Other Options:
0 = Standard
- ⑧ NH = For Lead Free soldering process and Halogen-Free

CI

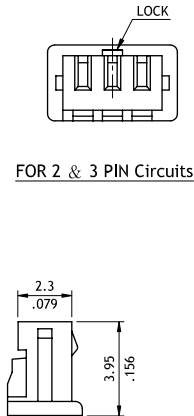
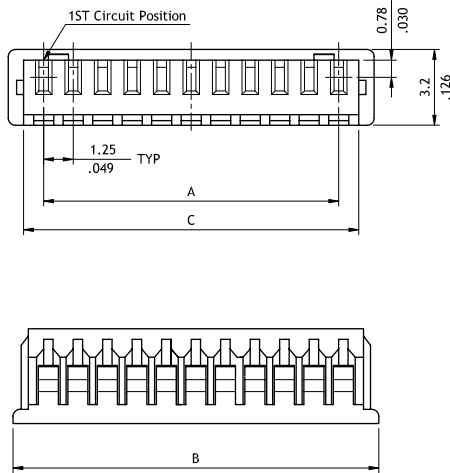
WIRE TO BOARD CONNECTORS

CI44 Series 1.25mm(.049") Wire to Board Connectors Housing & Terminal

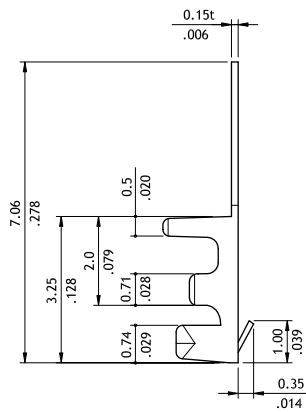
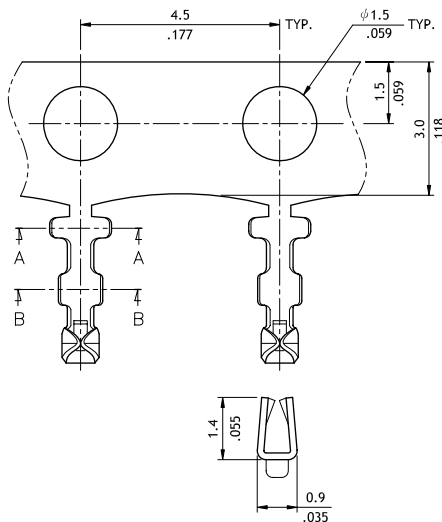
- ⊙ Latch housing secure terminal in housing and provides extra terminal retention
- ⊙ Terminal accommodated AWG #28 ~ #32
- ⊙ Insulator: Nylon 66 UL 94V-0, Color Nature
- ⊙ Terminal: Tin plated, Phosphor Bronze
- ⊙ Mate with CI44 header



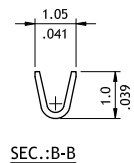
RoHS Compliant



Circuits	Dimension		
	A	B	C
2	1.25(.049)	4.25(.167)	2.95(.116)
3	2.50(.098)	5.5(.217)	4.20(.165)
4	3.75(.148)	6.75(.266)	5.45(.215)
5	5.00(.197)	8.0(.315)	6.70(.264)
6	6.25(.246)	9.25(.364)	7.95(.313)
7	7.50(.295)	10.5(.413)	9.20(.362)
8	8.75(.344)	11.75(.463)	10.45(.411)
9	10.00(.394)	13.0(.512)	11.70(.461)
10	11.25(.443)	14.25(.561)	12.95(.510)
11	12.50(.492)	15.5(.610)	14.20(.559)
12	13.75(.541)	16.75(.659)	15.45(.608)
13	15.00(.591)	18.0(.709)	16.70(.657)
14	16.25(.640)	19.25(.758)	17.95(.707)
15	17.50(.689)	20.5(.807)	19.20(.756)
16	18.75(.719)	21.75(.856)	20.45(.805)



Wire Range	Insulation Diameter	Reel Qty
AWG #28-#32	1.0 (.039) MAX.	15,000 PCS.



Ordering Code

① C I 44 ② 15 ③ S 0 0 ④ 0 ⑤ 0 ⑥ - NH

① C I 44 ② T 0 1 ③ 1 ④ P ⑤ P 0

- ① Series No.
- ② No. of Circuits: 02 ~ 16
- ③ S00= Housing
- ④ Color: 0 = Color Nature
- ⑤ Other Options: 0 = Standard
- ⑥ NH = For Lead Free and Halogen-Free

- ① Series No.
- ② Type: T01 = AWG #28 ~ #32
- ③ Plating Code: 1 = Tin over Nickel
- ④ Material: P = Phosphor Bronze
- ⑤ Other Options: P0 = Standard

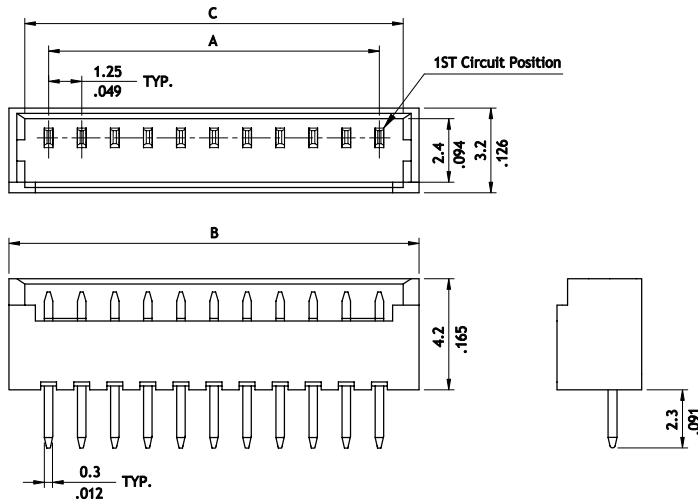
CI44 Series 1.25mm(.049") Wire to Board Connectors DIP Headers

- ⊙ Polarization and Low-profile
- ⊙ Locking slots provide secure mating
- ⊙ Mate with CI44 housing
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Natu
- ⊙ With Tin plated DIP type contact

RoHS Compliant

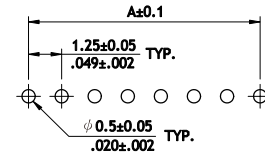
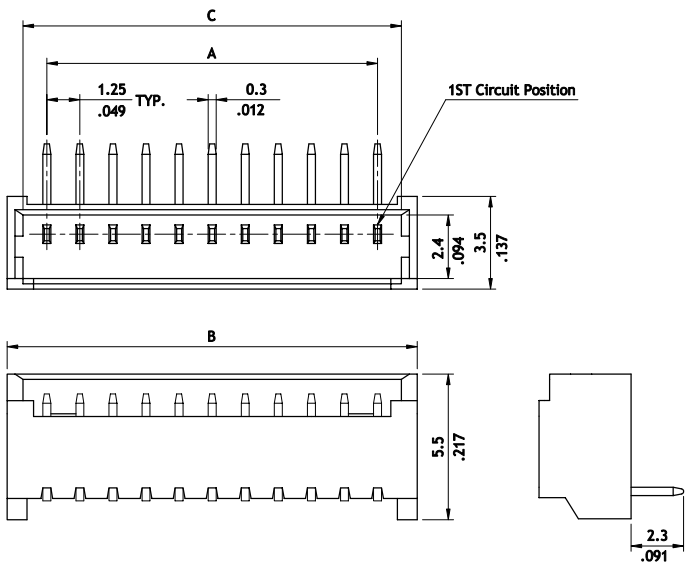


Top entry



Circuits	Dimension		
	A	B	C
2	1.25(.049)	4.35(.171)	3.15(.124)
3	2.50(.098)	5.6(.220)	4.40(.173)
4	3.75(.148)	6.85(.270)	5.65(.222)
5	5.00(.197)	8.1(.319)	6.90(.272)
6	6.25(.246)	9.35(.368)	8.15(.321)
7	7.50(.295)	10.6(.417)	9.40(.370)
8	8.75(.344)	11.85(.467)	10.65(.419)
9	10.00(.394)	13.1(.516)	11.90(.469)
10	11.25(.443)	14.35(.565)	13.15(.518)
11	12.50(.492)	15.6(.614)	14.40(.567)
12	13.75(.541)	16.85(.663)	15.65(.616)
13	15.00(.591)	18.1(.713)	16.90(.665)
14	16.25(.640)	19.35(.762)	18.15(.715)
15	17.50(.689)	20.6(.811)	19.40(.764)

Side entry



Recommended P.C. Board Layout

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦
C I 4 4 1 5 P 1 V 0 0 - NH

- ① Series No.
- ② No. of Circuits : 02 ~ 15
- ③ P = DIP Type
- ④ Plating Code : 1 = Matte Tin over Nickel
- ⑤ Type: V = Top Entry
H = Side Entry
- ⑥ Other Options:
00 = Standard (Tube packing)
- ⑦ NH = For Lead Free soldering process and Halogen-Free
*Special options consult manufacturer

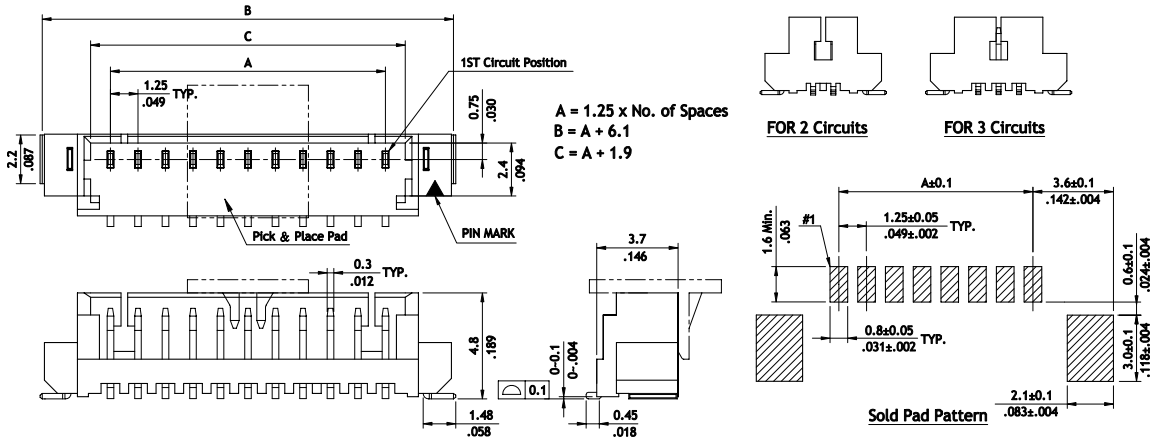
CI44 Series 1.25mm(.049") Wire to Board Connectors SMT Headers

- ⊙ Polarization and Low-profile
- ⊙ Locking slots provide secure mating
- ⊙ Fixed tabs provide PCB hold-down and strain-relief for SMT
- ⊙ Insulator: High temperature plastic UL 94V-0 , Color Nature
- ⊙ With Tin plated SMT type contact
- ⊙ Mate with CI44 housing

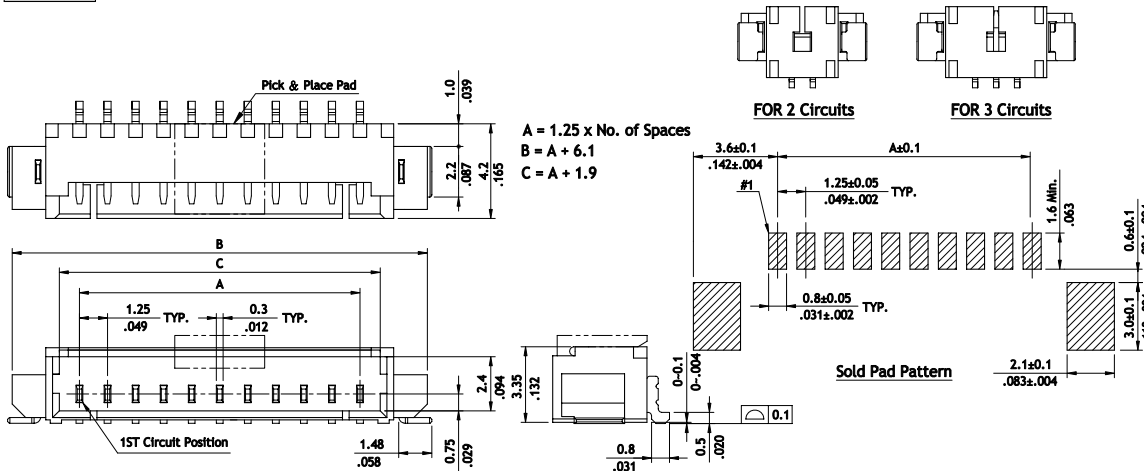


RoHS Compliant

Top entry



Side entry



Ordering Code	①	②	③	④	⑤	⑥	⑦
	CI44	15	M	1	V	R0	-NH

① Series No.
 ② No. of Circuits: 02 ~ 15
 ③ M=SMT Type
 ④ Plating Code:
 1 = Matte Tin over Nickel
 ⑤ Type: V = Top Entry
 H = Side Entry
 ⑥ Other Options :
 00 = Standard (Tube packing)
 R0 = Tape & Reel (Without Pick & Place Pad)
 RP = Tape & Reel (With Pick & Place Pad)
 ⑦ NH = For Lead Free soldering process and Halogen-Free
 * Special option consult manufacturer

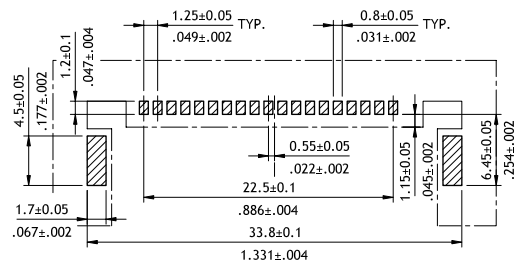
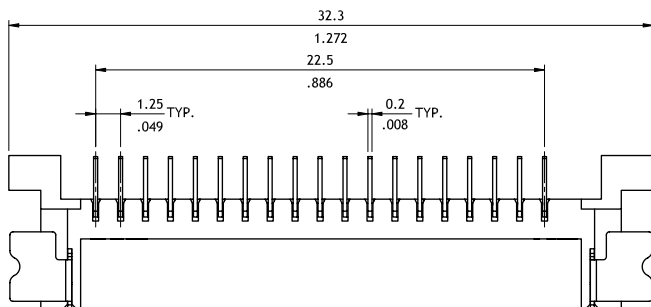
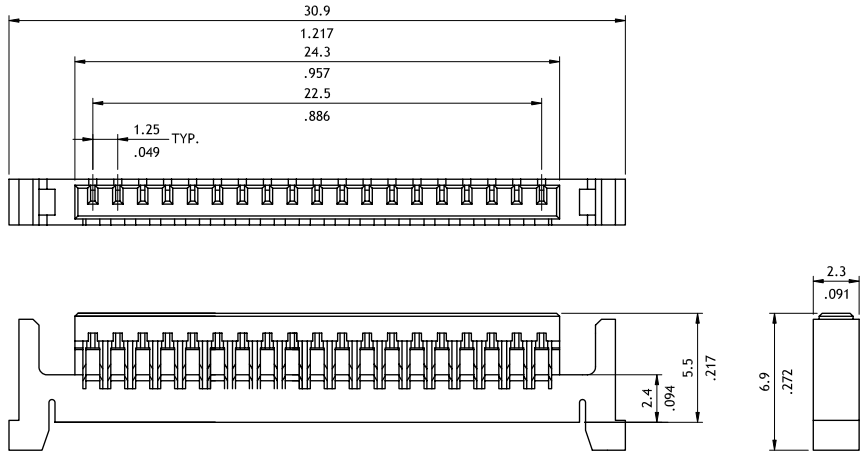
CI

WIRE TO BOARD CONNECTORS

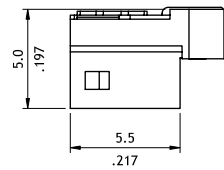
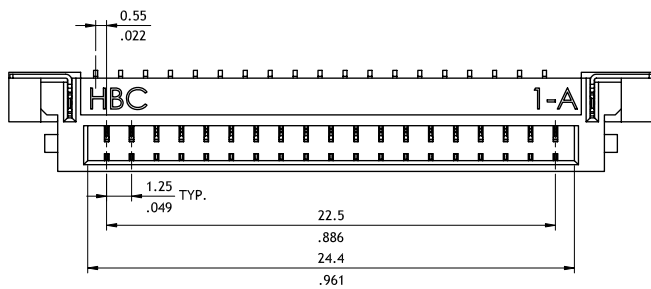
CI45 Series 1.25mm(.049") Wire to Board Housing & SMT Headers

- ⦿ With locking latch provide secure mating
- ⦿ Mate with CI45 Header
- ⦿ Mate with CI14 crimp clip terminal (P/N: CI14T011PE0)

RoHS Compliant



Recommended P.C. Board Layout



Ordering Code

① ② ③ ④ ⑤ ⑥ ① ② ③ ④ ⑤ ⑥ ⑦
C I 4 5 **1 9** **S** **L** **0 0 0 0** - **NH** **C I 4 5** **1 9** **M** **1** **H** **R 0** - **NH**

- ① Series No.
- ② No. of Circuits:19
- ③ S = Housing
- ④ L= With Locking Latch
- ⑤ Other Option: 000=Standard
- ⑥ NH= For Lead Free IR Process and Halogen-Free

- ① Series No.
- ② No. of Circuits: 19
- ③ M = SMT Type
- ④ Plating Code: 1 = Matte Tin over Nickel
- ⑤ Type: H=Side Entry
- ⑥ Packing Options: R0 = Tape & Reel
- ⑦ NH = For Lead Free IR Process and Halogen-Free

CI

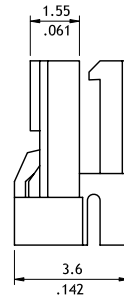
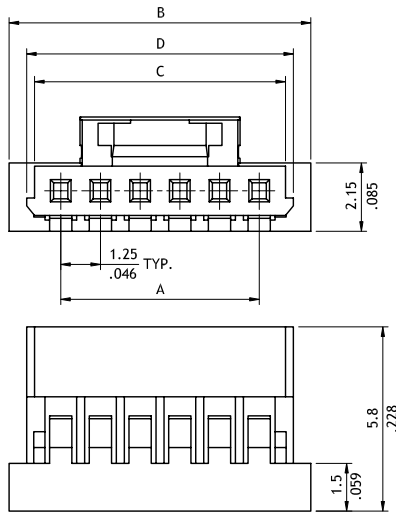
WIRE TO BOARD CONNECTORS

CI46 Series 1.25mm(.049") Wire to Board Connectors Housing & Terminal

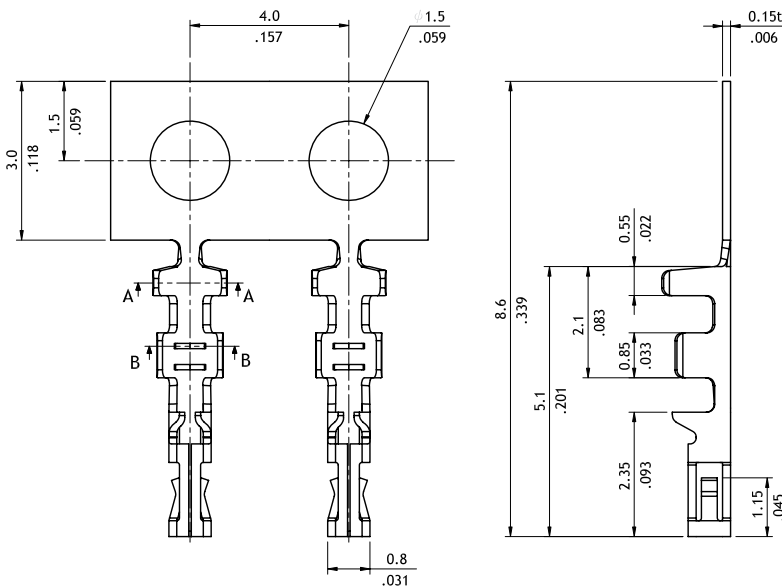
- ⊙ With locking latch provide secure mating
- ⊙ Mate with CI46 Header
- ⊙ Can be used with CI46 Crimp Clip Terminal
- ⊙ Insulator: Nylon 66 UL 94V-0, Color Nature



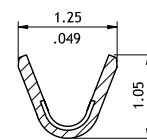
RoHS Compliant (HF)



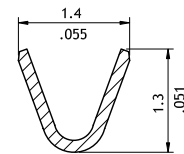
A = 1.25 x No. of Spaces
 B = A + 3.25
 C = A + 1.65
 D = A + 2.15



Wire Range	Insulation Diameter	Reel Qty
AWG #26-#32	0.90 (.035) MAX.	16,000 PCS



SEC. B-B



SEC. A-A

Ordering Code

① C I 4 6 ② 2 0 ③ S ④ L ⑤ 0 0 0

- ① Series No.
- ② No. of Circuits: 02 ~ 20
- ③ S = Housing
- ④ L = With Locking Latch
- ⑤ Other Options: 000 = Standard

① C I 4 6 ② T 0 1 ③ 1 ④ P ⑤ E 0

- ① Series No.
- ② Type: T01 = AWG #26 ~ #32
- ③ Plating Code: 1 = Tin over Nickel
- ④ Material: P = Phosphor Bronze
- ⑤ Other Options: E0 = Standard

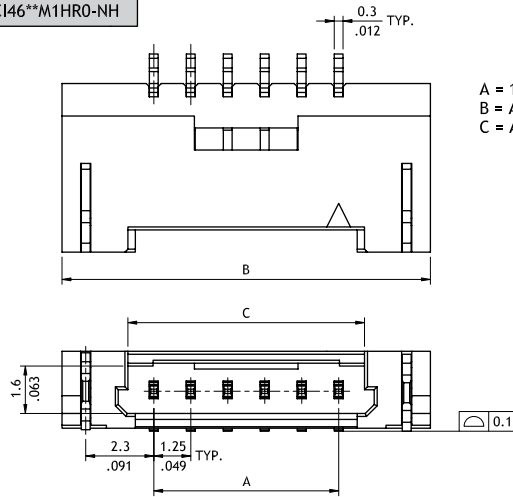
CI46 Series 1.25mm(.049") Wire to Board Connectors SMT Headers

- ⊙ With locks provide secure mating
- ⊙ Fixed tabs provide PCB hold-down
- ⊙ Mate with CI46 Housing
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature

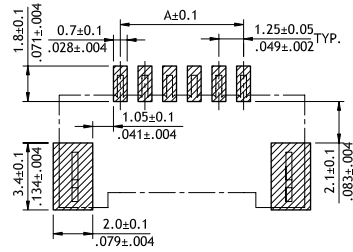


RoHS Compliant

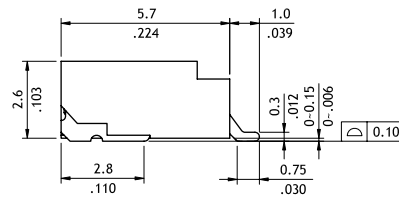
P/N CI46**M1HR0-NH



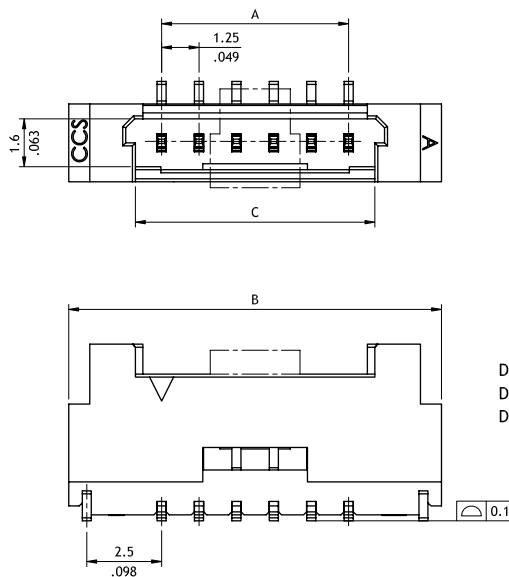
A = 1.25 x No. of Spaces
 B = A + 6.2
 C = A + 1.75



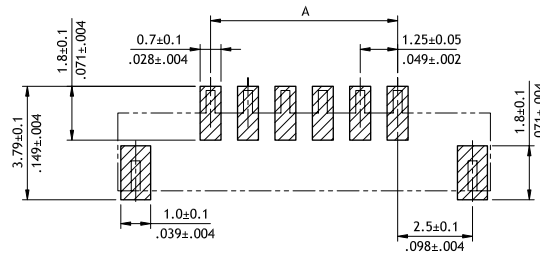
Recommended P.C. Board Layout



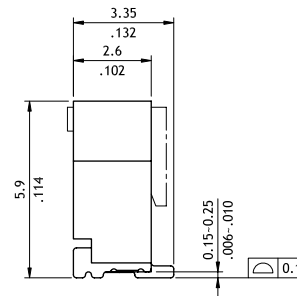
P/N CI46**M1VR0-NH



DIM. A = 1.25 x No. of Spaces
 DIM. B = DIM. A + 6.2
 DIM. C = DIM. A + 1.75



Recommended P.C. Board Layout



Ordering Code

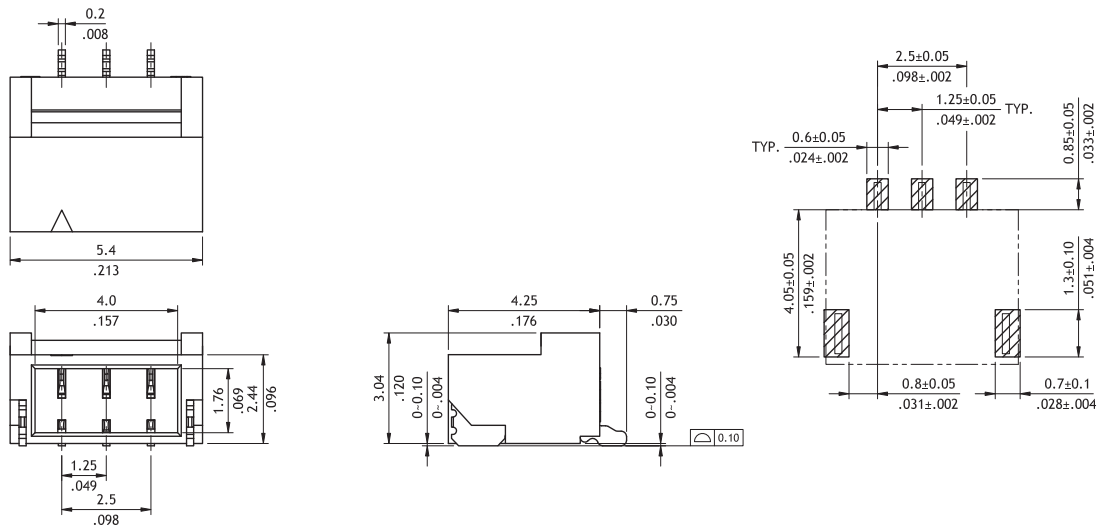
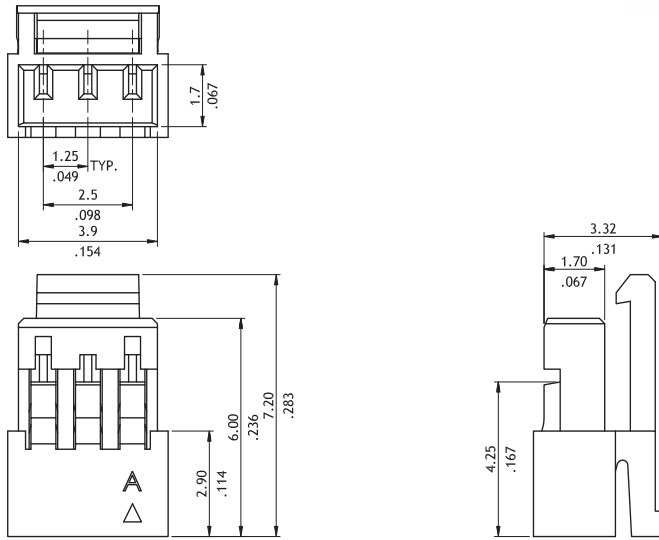
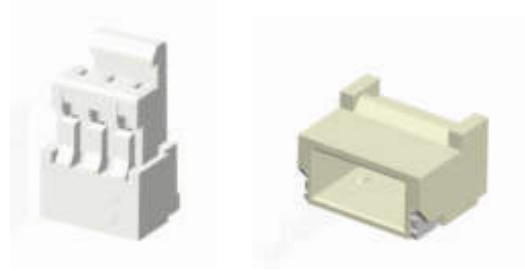
① ② ③ ④ ⑤ ⑥ ⑦ ⑧
CI46 20 M 1 V R 0 - NH

- ① Series No.
- ② No. of Circuits: 02 ~ 20
- ③ M = SMT Type
- ④ Plating Code : 1= Matte Tin over Nickel
- ⑤ Type : V = Top Entry
 H = Side Entry
- ⑥ Packing Options: R0 = Tape & Reel
- ⑦ Other Options: 0 = Standard
- ⑧ NH = For Lead Free soldering process and Halogen-Free

CIDL Series 1.25mm(.049") Wire to Board Housing and SMT Header Connectors

- ⊙ Insulator: Nylon 66 UL 94V-0, Color Nature
- ⊙ Insulator: High temperature UL 94V-0 , Color Nature
- ⊙ Mate with CI14 Crimp clip terminal (P/N : CI14T011PE0)

RoHS Compliant



Ordering Code

① C ② IDL ③ 03 ④ S ⑤ L000 - NH

- ① Series No.
- ② No. of Circuits: 03
- ③ S = Connector Housing
- ④ Other option: L000=With Locking Latch
- ⑤ Other Option: -NH= Halogen-Free

① CIDL ② 03 ③ M ④ 1 ⑤ H ⑥ R0 - NH

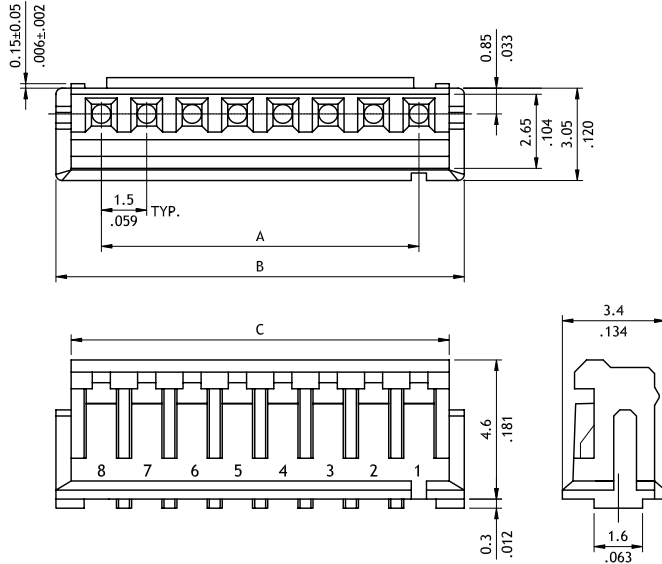
- ① Series No.
- ② No. of Circuits: 03
- ③ M=SMT type Header
- ④ Plating: 1= Matte Tin over Nickel
- ⑤ Type: H = Side Entry Type
- ⑥ Option : R0 = Tape & Reel Packing
- ⑦ NH= For Lead Free IR Processes and Halogen-Free

CI15 Series 1.50mm(.059") Wire to Board Connectors Housing & Terminal

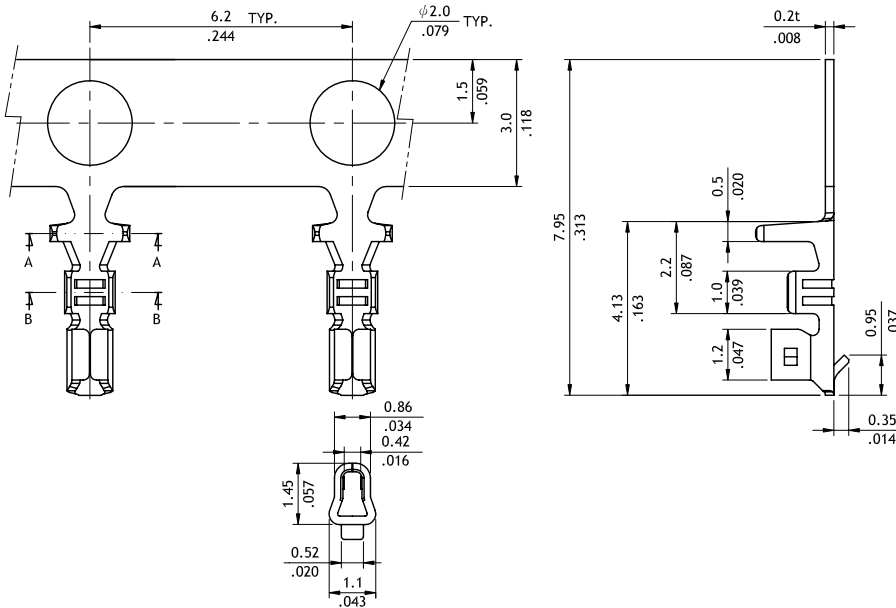
- ⊙ Terminal accommodated AWG #26 ~ #32
- ⊙ Insulator: Nylon 66 UL 94V-0, Color Nature
- ⊙ Terminal: Tin plated, Phosphor Bronze
- ⊙ Mate with CI15 Header



RoHS Compliant  



Circuits	Dimension		
	A	B	C
2	1.5(.059)	4.5(.177)	3.5(.138)
3	3.0(.118)	6.0(.236)	5.0(.197)
4	4.5(.177)	7.5(.295)	6.5(.256)
5	6.0(.236)	9.0(.354)	8.0(.315)
6	7.5(.295)	10.5(.413)	9.5(.374)
7	9.0(.354)	12.0(.472)	11.0(.433)
8	10.5(.413)	13.5(.513)	12.5(.492)
9	12.0(.472)	15.0(.591)	14.0(.551)
10	13.5(.531)	16.5(.650)	15.5(.610)
11	15.0(.591)	18.0(.709)	17.0(.669)
12	16.5(.650)	19.5(.768)	18.5(.728)
13	18.0(.709)	21.0(.827)	20.0(.787)
14	19.5(.768)	22.5(.886)	21.5(.846)
15	21.0(.827)	24.0(.945)	23.0(.905)



Wire Range	Insulation Diameter	Reel Qty
AWG #26-#32	1.10 (.043) MAX.	10,000 PCS

Ordering Code

① ② ③ ④
C I 15 15 S 0000

① ② ③ ④ ⑤
C I 15 T 0 1 1 P E 0

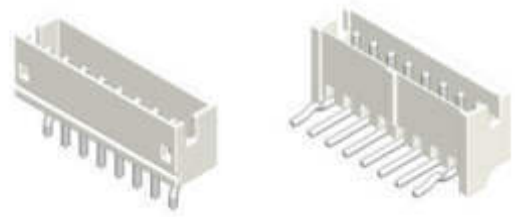
- ① Series No.
- ② No. of Circuits : 02 ~ 15
- ③ S = Housing
- ④ Other Options: 0000 = Standard

- ① Series No.
- ② Type: T01 = AWG #26 ~ #32
- ③ Plating Code: 1 = Tin over Nickel
- ④ Material: P = Phosphor Bronze
- ⑤ Other Options: E0 = Standard

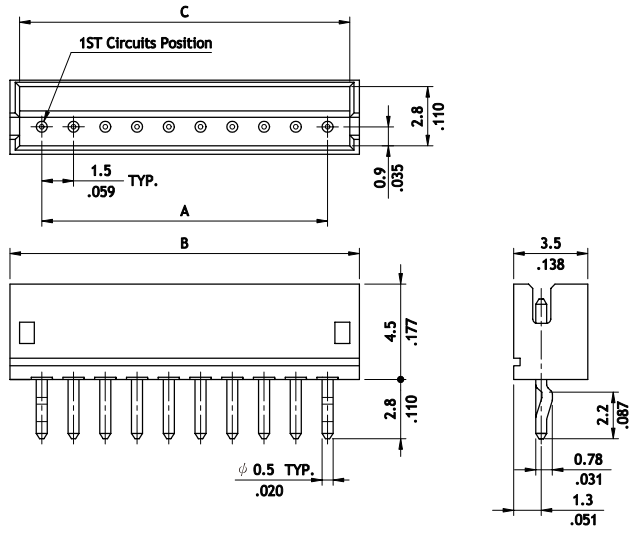
CI15 Series 1.50mm(.059") Wire to Board Connectors DIP Headers

- ⊙ Polarization and Low-profile
- ⊙ Locking slots provide secure mating
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ With Tin plated DIP type contact
- ⊙ Mate with CI15 Housing

RoHS Compliant

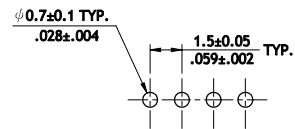
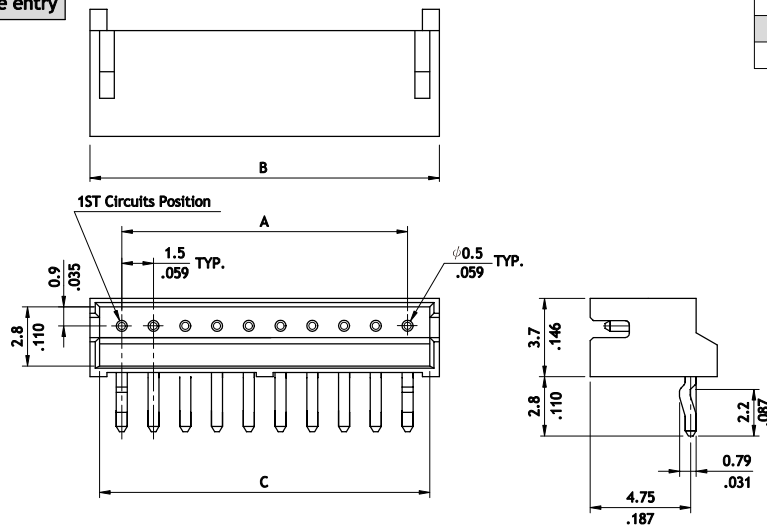


Top entry



Circuits	Dimension		
	A	B	C
2	1.5(.059)	4.5(.177)	3.6(.142)
3	3.0(.118)	6.0(.236)	5.1(.201)
4	4.5(.177)	7.5(.295)	6.6(.260)
5	6.0(.236)	9.0(.354)	8.1(.319)
6	7.5(.295)	10.5(.413)	9.6(.378)
7	9.0(.354)	12.0(.472)	11.1(.437)
8	10.5(.413)	13.5(.531)	12.6(.496)
9	12.0(.472)	15.0(.591)	14.1(.555)
10	13.5(.531)	16.5(.650)	15.6(.614)
11	15.0(.591)	18.0(.709)	17.1(.673)
12	16.5(.650)	19.5(.768)	18.6(.732)
13	18.0(.709)	21.0(.827)	20.1(.791)
14	19.5(.768)	22.5(.886)	21.6(.850)
15	21.0(.827)	24.0(.945)	23.1(.909)

Side entry



Recommended P.C. Board Layout

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
CI15 15 P 1 V K 0 - NH

- ① Series No.
- ② No. of Circuits: 02 ~15
- ③ P = DIP Type
- ④ Plating Code : 1= Matte Tin over Nickel
- ⑤ Type : V =Straight H=Right Angle
- ⑥ K = With Pin Kinked
- ⑦ Other Options: 0 = Standard
- ⑧ NH = For Lead Free soldering process and Halogen-Free

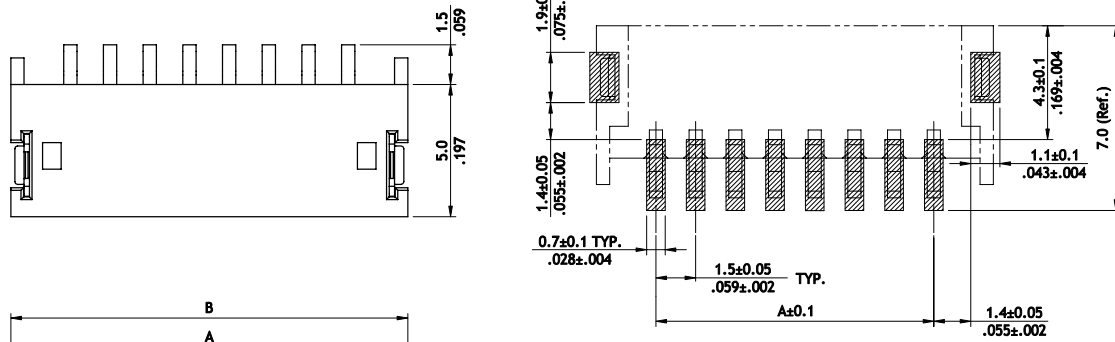
CI15 Series 1.50mm(.059") Wire to Board Connectors SMT Headers

- ⊙ Polarization and Low-profile
- ⊙ Locking slots provide secure mating
- ⊙ Fixed tabs provide PCB hold-down and strain-relief for SMT tails
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ With Tin plated SMT type contact
- ⊙ Mate with CI15 Housing

RoHS Compliant   



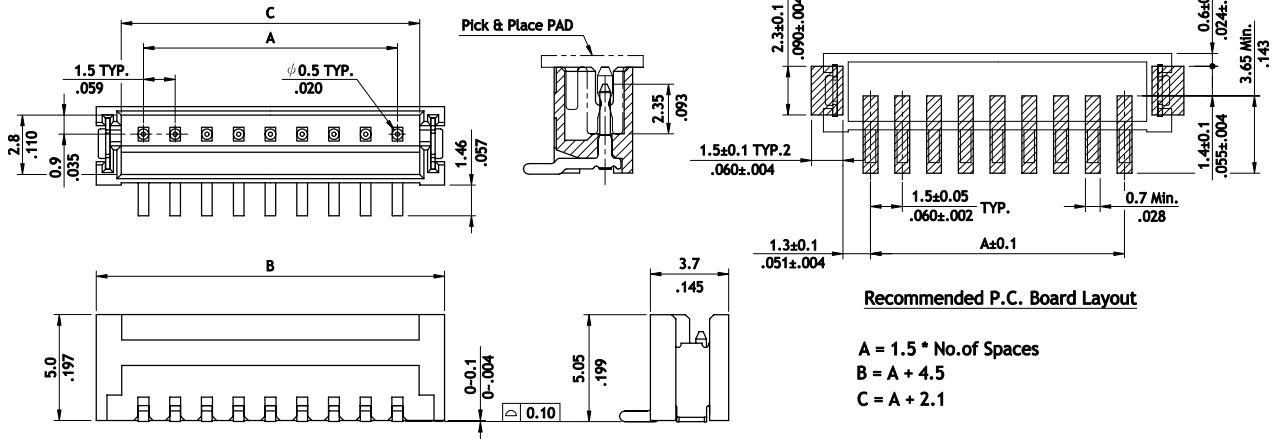
Side entry



Recommended P.C. Board Layout

A = 1.5 x No. of Spaces
 B = A + 4.5
 C = A + 2.1

Top entry



Recommended P.C. Board Layout

A = 1.5 * No. of Spaces
 B = A + 4.5
 C = A + 2.1

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
CI15 15 M 1 V R 0 - NH

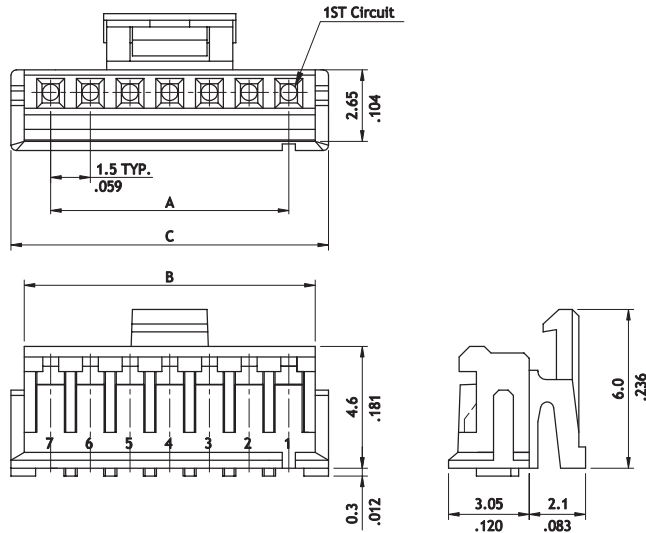
- ① Series No.
- ② No. of Circuits: 02 ~15
- ③ M = SMT Type
- ④ Plating Code: 1 = Matte Tin over Nickel
- ⑤ Type: V = Top Entry H= Side Entry

- ⑥ Packing Options:
 R = Tape & Reel
 T = Tube
- ⑦ Other Options: 0 = Standard
 *Special options consult manufacturer
- ⑧ NH = For Lead Free soldering process and Halogen-Free

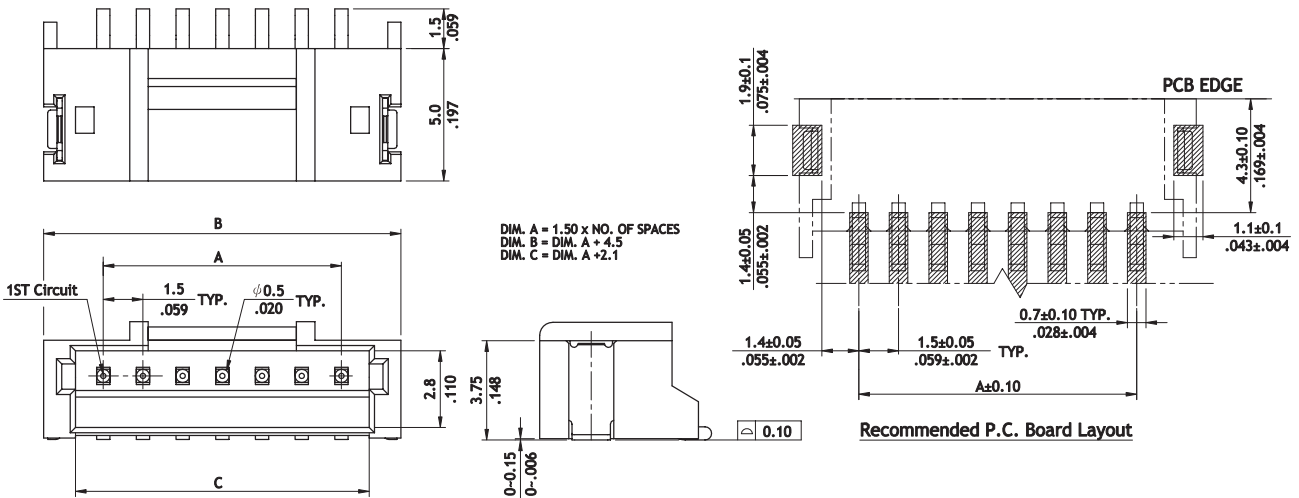
CI15 Series 1.50mm(.059") Wire to Board Latch Type Housing & SMT Header

- ⊙ Fixed tabs provide PCB hold-down
- ⊙ Insulator: High temperature UL 94V-0, Color Nature
- ⊙ Housing: Nylon 66 UL 94V-0, Color Nature
- ⊙ Housing mate with CI15 Terminal (P/N: CI15T011PE0)

RoHS Compliant



Circuits	Dimension		
	A	B	C
4	4.50(.177)	6.5(.256)	7.50(.295)
5	6.00(.236)	8.0(.315)	9.00(.354)
6	7.50(.295)	9.5(.374)	10.50(.413)
7	9.00(.354)	11.0(.433)	12.00(.472)
9	12.00(.472)	14.0(.551)	15.00(.591)
14	19.50(.767)	21.5(.846)	22.50(.886)



Ordering Code

① C ② I15 ③ 07 ④ S L000

- ① Series No.
- ② No. of Circuits: 04~ 07 , 09 , 14
- ③ S = Housing
- ④ Other Options : L000= Standard

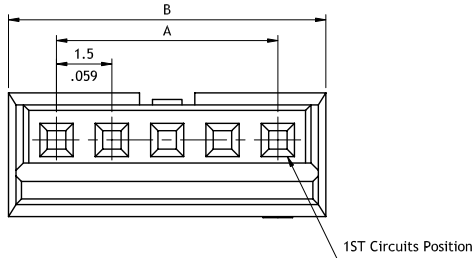
① CI15 ② 07 ③ M ④ 1 ⑤ H ⑥ T ⑦ L - ⑧ NH

- ① Series No.
- ② No. of Circuits: 05,07,09,14
- ③ M = SMT Type
- ④ Plating Code: 1 = Matte Tin over Nickel
- ⑤ Type: H = Right Angle
- ⑥ Packing Options: T = Tube (Standard) R = Tape & Reel
- ⑦ L = Latch Type
- ⑧ NH = For Lead Free IR Process and Halogen-Free

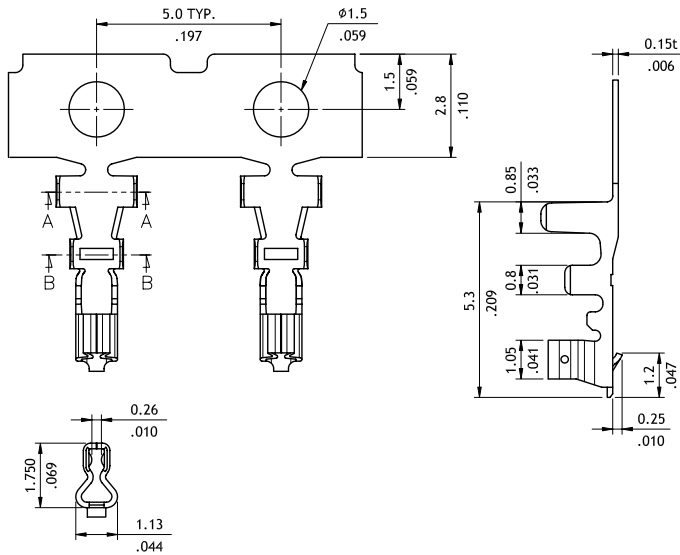
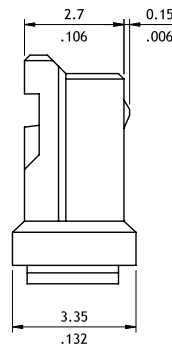
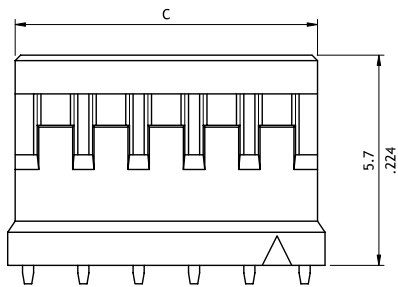
CI19 Series 1.50mm(.059") Wire to Board Connectors Housing & Terminal

- ⊙ Mate with CI19 Header
- ⊙ Can be used with CI19 Crimp Clip Terminal
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature

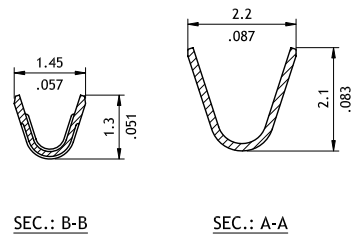
RoHS Compliant  



A = 1.5 * No. of Spaces
 B = A + 2.6
 C = A + 2.2



Wire Range	Insulation Diameter	Reel Qty
AWG #24-#30	1.1 (.043) MAX.	15,000 PCS.



Ordering Code

① C ② 19 ③ 08 ④ S ⑤ L ⑥ 000 - NH

① C ② 19 ③ T01 ④ 1 ⑤ P E0

- ① Series No.
- ② No. of Circuits: 02 ~ 15
(Available: 02 ~ 06 , 08)
- ③ S = Housing
- ④ L = With Ramp
- ⑤ Other Options: 000 = Standard
- ⑥ NH = Halogen-Free

- ① Series No.
- ② Type: T01 = AWG #24 ~ #30
- ③ Plating Code: 1 = Tin over Nickel
- ④ Material: P = Phosphor Bronze
- ⑤ Other Option: E0 = Standard

CI

WIRE TO BOARD CONNECTORS

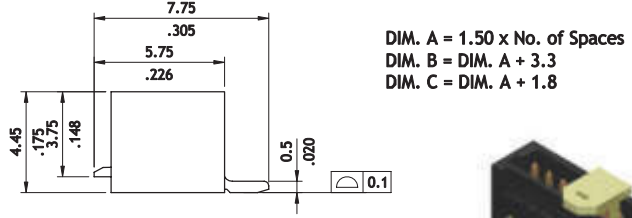
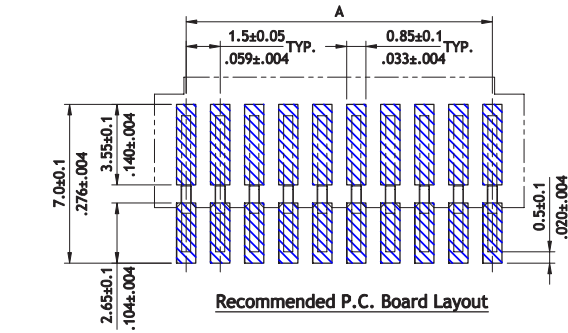
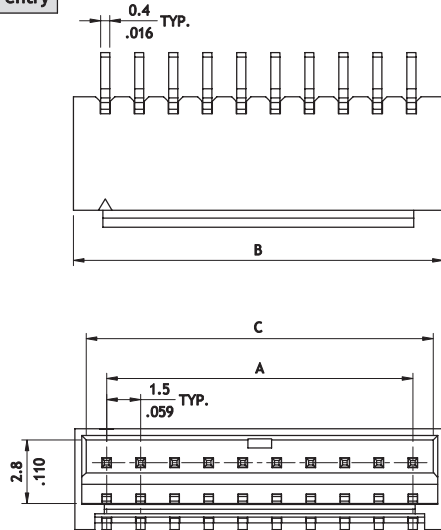
CI19 Series 1.50mm(.059") Wire to Board Connectors SMT Headers

⊙ Insulator: High temperature plastic UL 94V-0, Color Black

RoHS Compliant



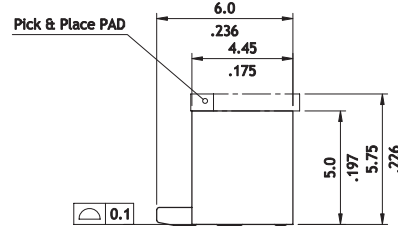
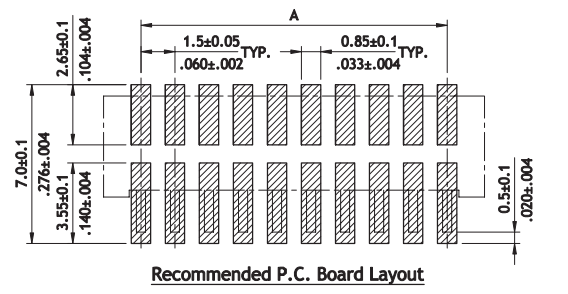
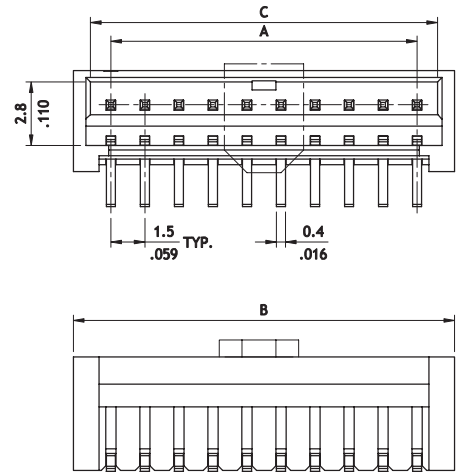
Side entry



DIM. A = 1.50 x No. of Spaces
 DIM. B = DIM. A + 3.3
 DIM. C = DIM. A + 1.8



Top entry



DIM. A = 1.50 x No. of Spaces
 DIM. B = DIM. A + 3.3
 DIM. C = DIM. A + 1.8

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦
CI19 20 M 1 H R0 - NH

- ① Series No.
- ② No. of Circuits: 02 ~ 20
- ③ M = SMT Type
- ④ Plating Code:
 1 = Matte Tin over Nickel
 2 = Gold flash over Nickel

- ⑤ Type : V = Top Entry
 H = Side Entry
- ⑥ Packing Options:
 R0 = Tape & Reel
- ⑦ NH = For Lead Free IR Process and Halogen-Free

CI87 Series 1.50mm(.059") Wire to Board Housing & Terminal & SMT Header

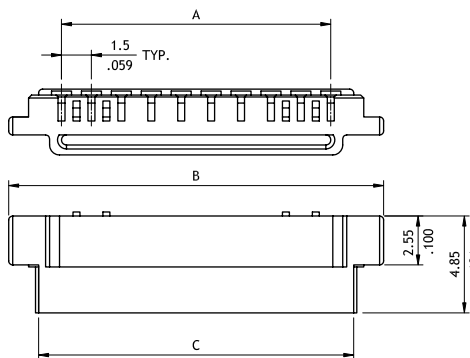
- ⊙ Locking slots provide secure mating
- ⊙ Fixed tabs provide PCB hold-down and strain-relief for SMT tails
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Black (Header)
- ⊙ Insulation: Nylon66 UL 94V-0, Color Nature (Housing)



RoHS Compliant

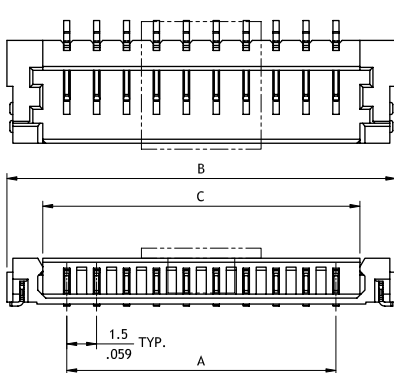
P/N CI87**S0000

Circuits	Dimension		
	A	B	C
8	10.5(.413)	15.8(.622)	12.8(.503)
10	13.5(.531)	18.8(.740)	15.8(.622)

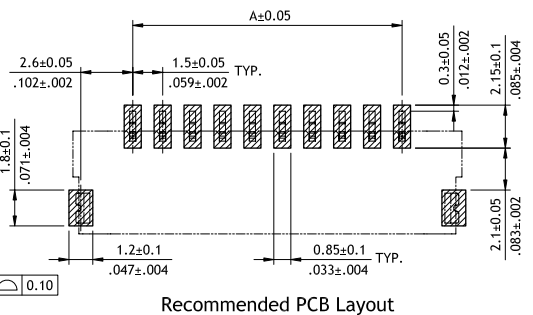
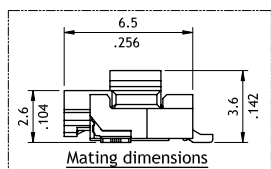
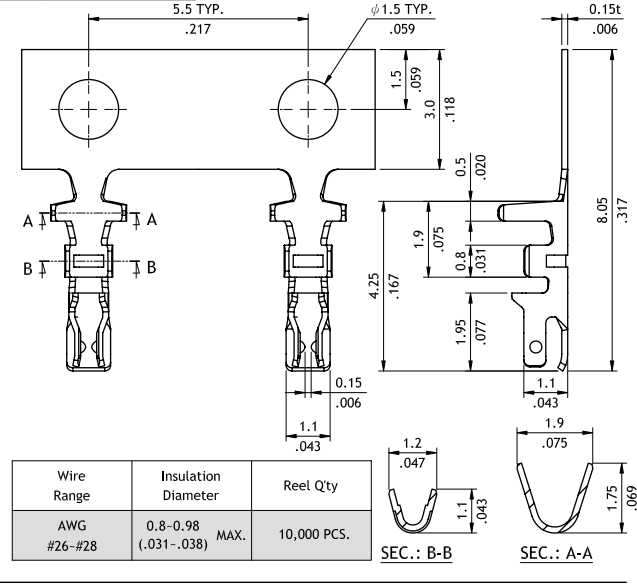


P/N CI87**M2VR0-NH

Circuits	Dimension		
	A	B	C
8	10.5(.413)	16.5(.650)	12.9(.508)
10	13.5(.531)	19.5(.768)	15.9(.626)



P/N CI87T012PP0



Ordering Code

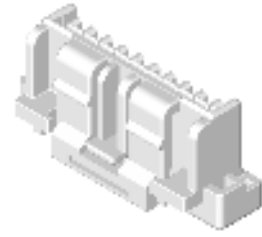
① ② ③ ④
C 187 10 S 0000

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
C 187 10 M 2 V R 0 -NH

- ① Series No.
- ② No. of Circuits: 8,10
- ③ M = SMT Type
- ④ Plating Code : 2 = Gold flash over Nickel
- ⑤ Type: V = Top Entry
- ⑥ Packing Options: R = Tape & Reel
- ⑦ Other Options: 0 = Standard
- ⑧ NH = For Lead Free IR process and Halogen-Free

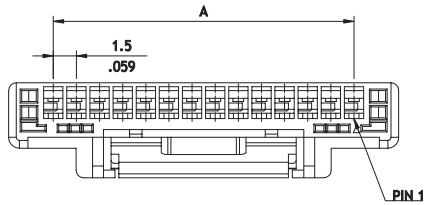
CIDW Series 1.50mm(.059") Single Row Wire to Board Housing & Terminal

- ⊙ With locking wall
- ⊙ Mate with CIDW header
- ⊙ Insulator : PA66 94V-0 , color Nature , terminal accommdated , AWG #2
- ⊙ Terminal : Tin plated Phosphor Bronze

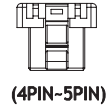
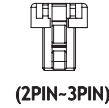
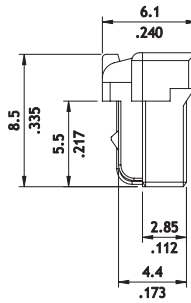
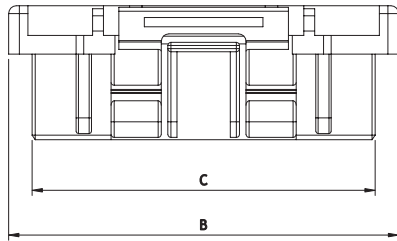


RoHS Compliant

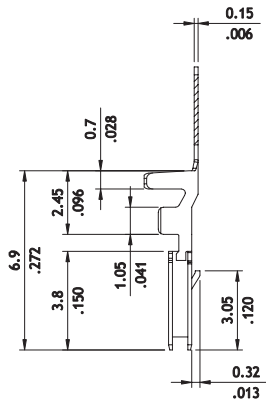
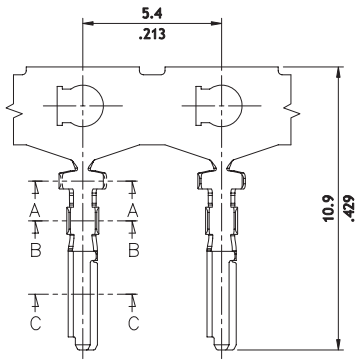
P/N: CIDW**S0000



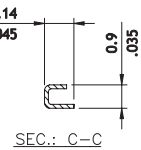
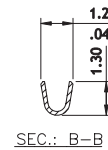
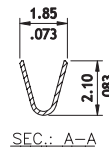
A = 1.5 x No. of Spaces
 B = A + 5.8
 C = A + 2.75



P/N: CIDWT021PE0



Wire Range	Insulation Diameter
AWG #24~#28	1.28 MAX. (.050)



Ordering Code

① ② ③ ④
C I D W 1 0 S 0 0 0 0

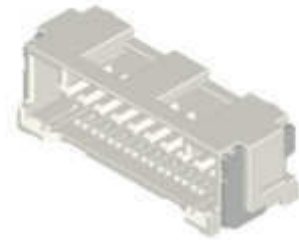
- ① Series No.
- ② No. of Circuits : 02~15
- ③ S = Housing
- ④ Other Options:
0000 = Color Nature

① ② ③ ④ ⑤
C I D W T 0 2 1 P E 0

- ① Series No.
- ② Type: T02 = AWG # 24 ~ # 28
- ③ Plating Code: 1 = Tin over Nickel
- ④ Material: P =Phosphor Bronze
- ⑤ Plating method : E0 = Standard

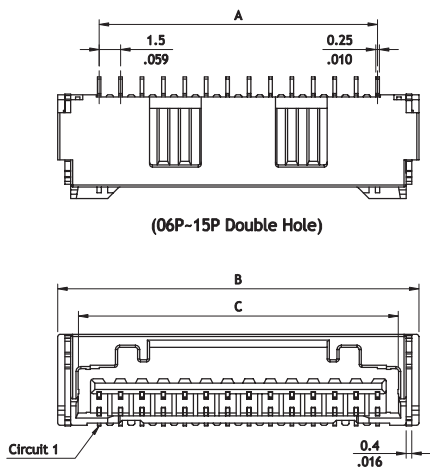
CIDW Series 1.50mm(.059") Wire to Board Connectors SMT Headers

- ⊙ Clik-Mate PCB receptacle positive lock
- ⊙ Mate with CIDW housing
- ⊙ Insulator : High temperature plastic UL 94V- 0 , Color Nature
- ⊙ With tin plated

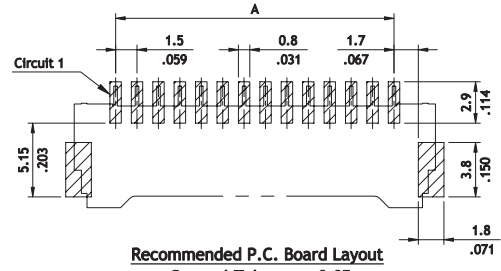


RoHS Compliant

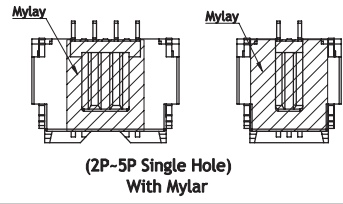
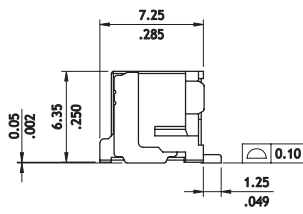
P/N: CIDW**M1HRO-LF



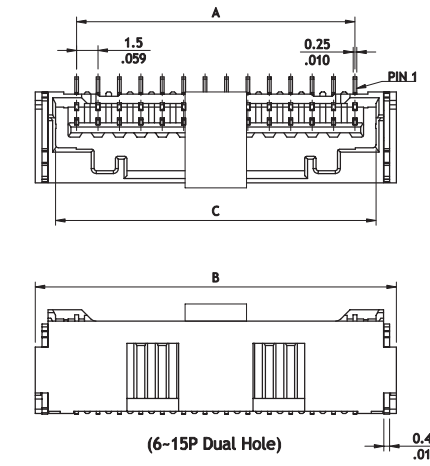
A = 1.50 x No. of Spaces
 B = A + 5.8
 C = A + 2.95



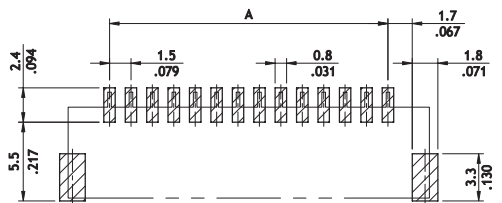
Recommended P.C. Board Layout
 General Tolerance±0.05



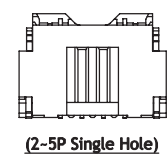
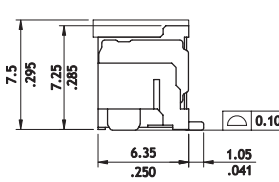
P/N: CIDW**M1VR0-LF



A = 1.50 x No. of Spaces
 B = A + 5.8
 C = A + 2.95



Recommended P.C. Board Layout
 General Tolerance±0.05



Ordering Code

① CIDW ② 15 ③ M ④ 1 ⑤ H ⑥ R0-LF ⑦

- ① Series No.
- ② No. of Circuits: 02~15
- ③ Contact Type : M =SMT
- ④ Plating Code : 1 = Matte Tin over Nickel
- ⑤ Type : H = Right angle , V = Straight Type
- ⑥ Packing Option : R0 = Tape & Reel
- ⑦ LF = For Lead Free soldering processes

CIEJ Series 1.00 mm(.059") Single Row Wire to Board Housing & Terminal

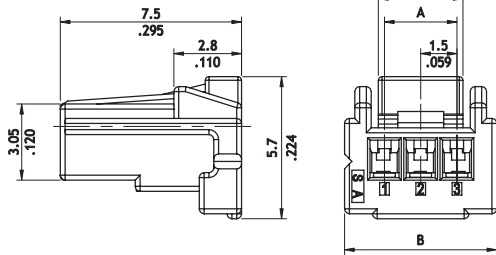
- ⊙ Locking latch provide secure mating
- ⊙ Mate with CIEJ Header
- ⊙ Insulator : PA9T Nylon UL 94 V-0 , Color Nature
- ⊙ Terminal : Tin plated Phosphor Bronze

NEW

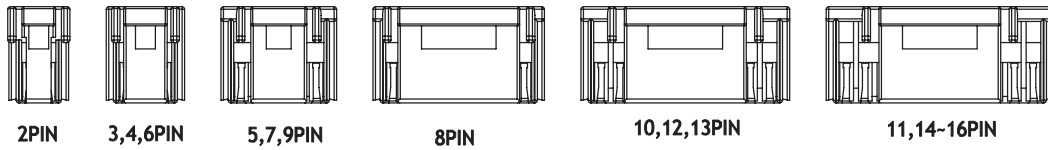
RoHS Compliant



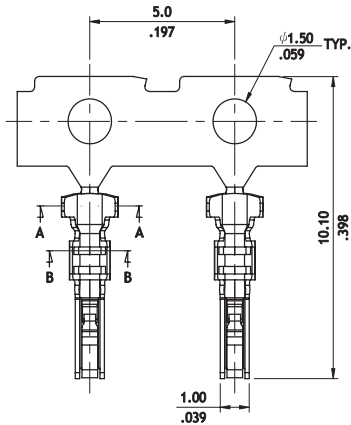
P/N: CIEJ**SL000



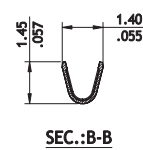
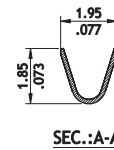
Circuits	Dimension			Circuits	Dimension		
	A	B	C		A	B	C
2	1.50(.059)	5.00(.197)	2.70(.106)	10	13.50(.531)	16.80(.661)	9.80(.386)
3	3.00(.118)	6.30(.248)	3.50(.138)	11	15.00(.591)	18.30(.720)	9.80(.386)
4	4.50(.177)	7.80(.307)	4.50(.177)	12	16.50(.650)	19.80(.780)	9.80(.386)
5	6.00(.236)	9.30(.366)	4.50(.177)	13	18.00(.709)	21.30(.839)	11.30(.445)
6	7.50(.295)	10.80(.425)	7.50(.295)	14	19.50(.768)	22.80(.898)	11.30(.445)
7	9.00(.354)	12.30(.484)	7.50(.295)	15	21.00(.827)	24.30(.957)	11.30(.445)
8	10.50(.413)	13.80(.543)	9.80(.386)	16	22.50(.886)	25.80(.1016)	11.30(.445)
9	12.00(.472)	15.30(.602)	9.80(.386)				



P/N: CIEJT021PPO



Wire Range	Insulation Diameter	Reel Qty
AWG #24-#28	1.20 (.047) MAX.	10,000 PCS.



Ordering Code

① C I E J ② 04 ③ S ④ L ⑤ 000

- ① Series No.
- ② No. of Circuits: 02~09
- ③ S = Receptacle
- ④ L = With Locking Latch
- ⑤ Option : 000 = Standard (Color Nature)

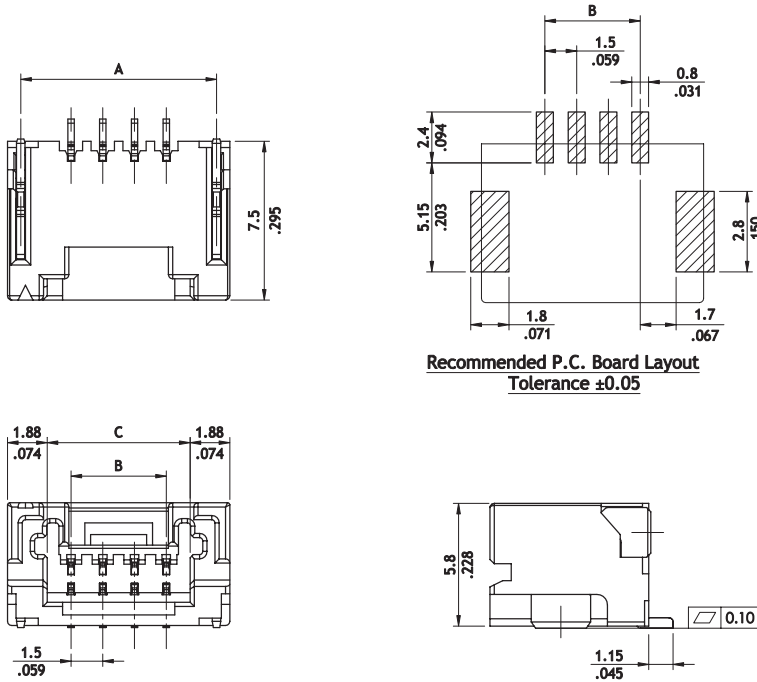
① C I E J ② T02 ③ 1 ④ P ⑤ P0

- ① Series No.
- ② Type : T02= AWG #24~#28
- ③ Plating Code: 1 = Matte Tin over Nickel
- ④ Material : P = Phosphor Bronze
- ⑤ Option : P0 = Standard

CIEJ Series 1.00 mm(.059") Single Row Wire to Board SMT Header

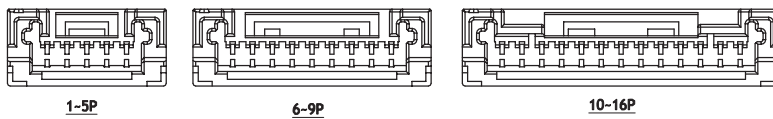
- ⊙ Locking slots provide secure mating
- ⊙ Fix tab PCB hold-down strain-relief for SMT tail
- ⊙ Mate with CIEJ Housing
- ⊙ Insulator : PA9T Nylon UL 94 V-0 , Color Nature

NEW



Recommended P.C. Board Layout
Tolerance ±0.05

Circuits	Dimensions		
	A	B	C
2P	6.25(.246)	1.50(.059)	3.75(.148)
3P	7.75(.305)	3.00(.118)	5.25(.207)
4P	9.25(.364)	4.50(.177)	6.75(.266)
5P	10.75(.423)	6.00(.236)	8.25(.325)
6P	12.25(.482)	7.50(.295)	9.75(.384)
7P	13.75(.541)	9.00(.354)	11.25(.443)
8P	15.25(.600)	10.50(.413)	12.75(.502)
9P	16.75(.659)	12.00(.472)	14.25(.561)
10P	18.25(.719)	13.50(.531)	15.75(.620)
11P	19.75(.778)	15.00(.591)	17.25(.679)
12P	21.25(.837)	16.50(.650)	18.75(.738)
13P	22.75(.896)	18.00(.709)	20.25(.797)
14P	24.25(.955)	19.50(.768)	21.75(.856)
15P	25.75(1.013)	21.00(.828)	23.25(.915)
16P	27.25(1.073)	22.50(.886)	24.75(.974)



Ordering Code

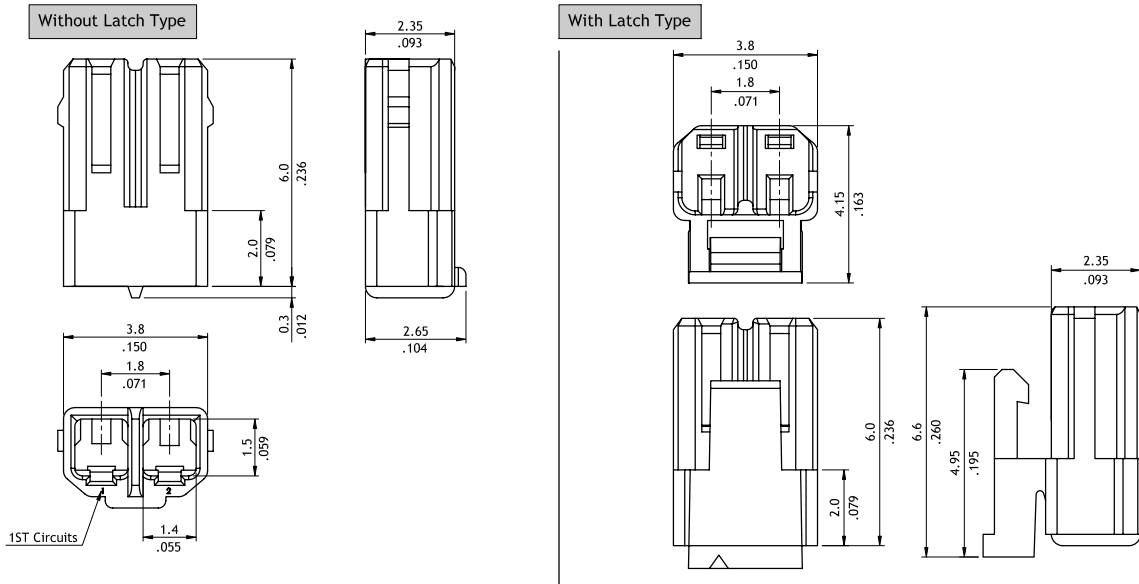
① ② ③ ④ ⑤ ⑥ ⑦ ⑧
C I E J 0 2 M 1 H R 0 - N H

- ① Series No.
- ② No. of Circuits: 2~16
- ③ M = SMT Type Header
- ④ Plating Code: 1 = Tin over Nickel
- ⑤ Type : H = Side Entry
- ⑥ Packing Option : R=Tape & Reel packing
- ⑦ Options: 0 = Standard
- ⑧ NH = For Lead Free soldering process and Halogen-Free

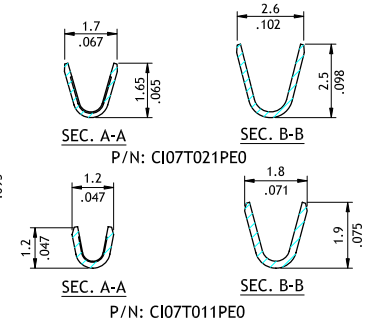
CI07 Series 1.80mm(.071") Wire to Board Connectors Housing & Terminal

- ⊙ Mate with CI07 Header
- ⊙ Can be used with CI07 Crimp Clip Terminal
- ⊙ Insulator: Nylon66 UL 94V-0, Color Nature

RoHS Compliant



Wire Range	Insulation Diameter	Reel Qty
AWG #22-#26	0.95-1.3(mm) (.037-.051)	10,000 PCS
AWG #28-#30	0.88-0.95(mm) (.035-.037)	10,000 PCS



Ordering Code

① C ② I07 ③ 02 ④ S ⑤ L000 - NH

- ① Series No.
- ② No. of Circuits: 02
- ③ S = Housing
- ④ Other Options:
0000 = Without Locking Latch
L000 = With Locking Latch
- ⑤ NH = For Lead Free and Halogen-Free

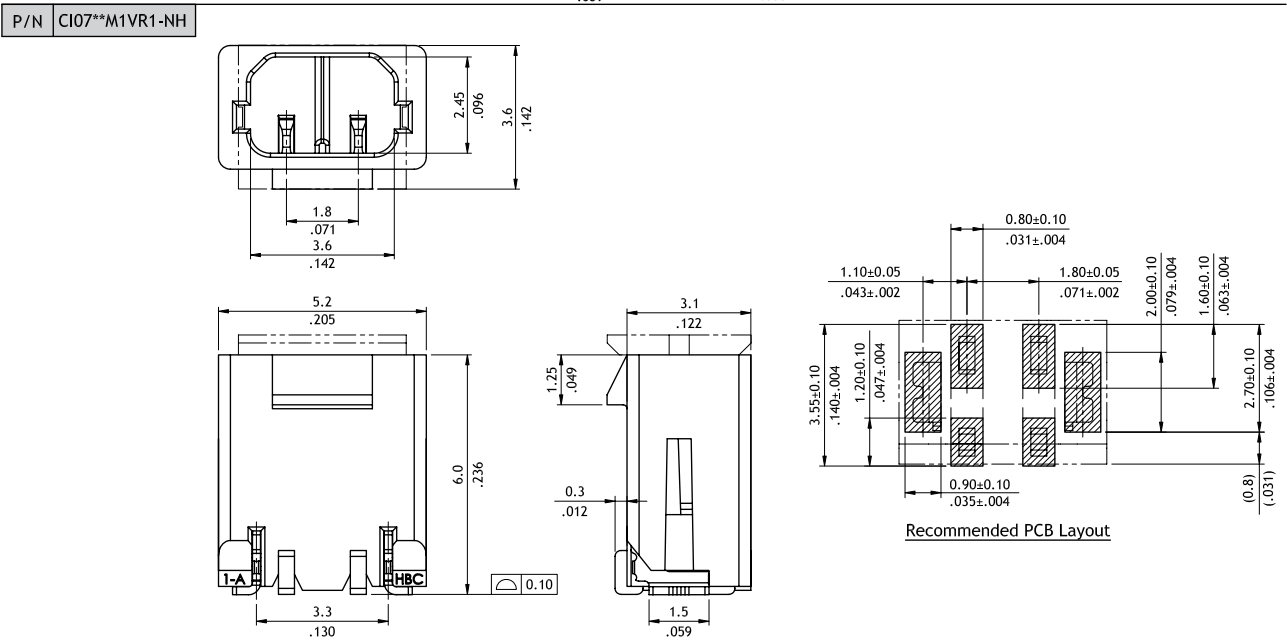
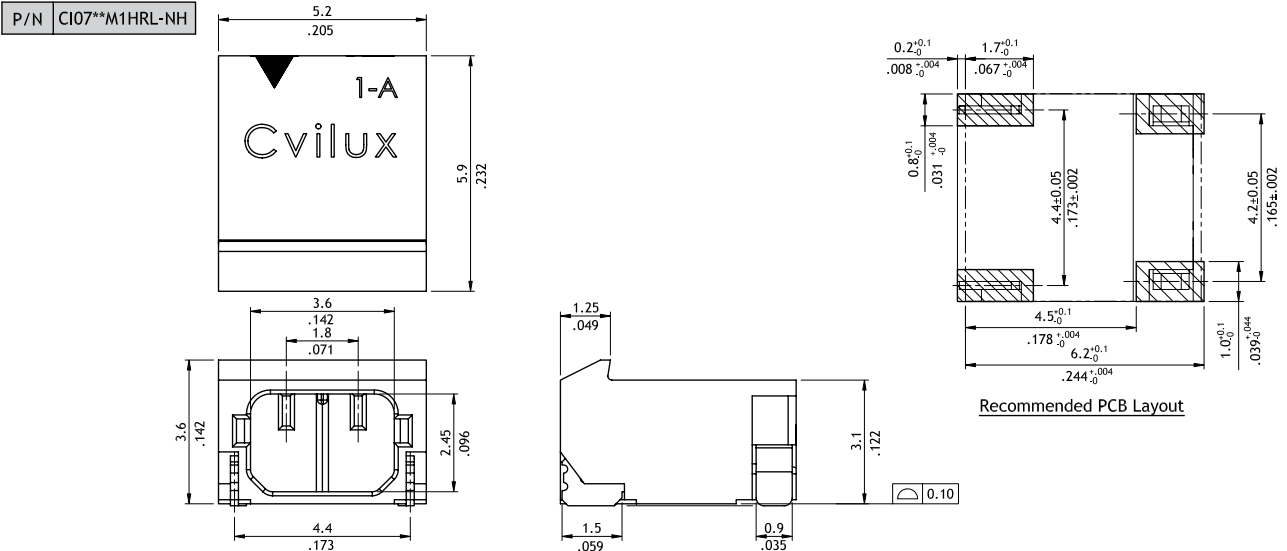
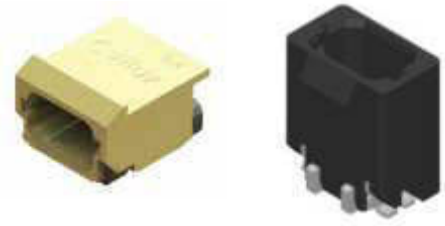
① CI07 ② T02 ③ 1 ④ P ⑤ E ⑥ P

- ① Series No.
- ② Type : T01 = AWG #28 ~ #30
T02 = AWG #22 ~ #26
- ③ Plating Code: 1 = Tin over Nickel
- ④ Material: P = Phosphor Bronze
- ⑤ Plating method: E=Pre-tinned
- ⑥ Options: 0 = Standard

CI07 Series 1.80mm(.071") Wire to Board Connectors SMT Headers

- ⊙ Fixed tabs provide PCB hold-down
- ⊙ Mate with CI07 Housing
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature

RoHS Compliant   



Ordering Code

①	②	③	④	⑤	⑥	⑦	⑧
CI07	02	M	1	H	R	L	-NH

① Series No.
 ② No. of Circuits: 02
 ③ M = SMT Type
 ④ Plating Code : 1 = Matte Tin over Nickel
 ⑤ Type: H = Side Entry
 V = Top Entry
 ⑥ Packing Options: R = Tape & Reel
 ⑦ Other Options:
 L = With Locking Ramp,color Nature(Side entry type)
 I = With Locking Ramp,color Black (Top entry type)
 ⑧ NH = For Lead Free IR process and Halogen-Free

CI

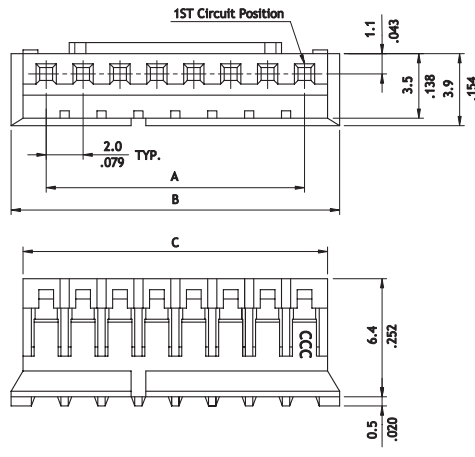
WIRE TO BOARD CONNECTORS

CI01 Series 2.00mm(.079") Single Row Wire to Board Housing & Terminal Connector

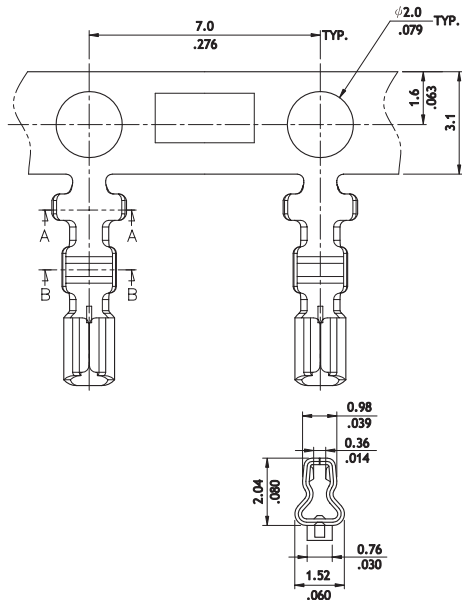
- ⊙ Low profile Latch Housing
- ⊙ Mate with CI01 Header
- ⊙ Can be used CI01 Crimp Clip Terminal
- ⊙ Insulator : Nylon 66 UL 94V-0 , Color Nature
- ⊙ Termial : Tin plated Phosphor Bronze



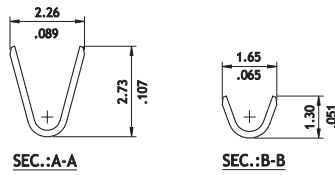
RoHS Compliant



A = 2.0 x No. of Spaces
 B = A + 3.8
 C = A + 2.5



Wire Range	Insulation Diameter	Reel Qty
AWG #24-#30	1.45 (.057) MAX.	10,000 PCS.



Ordering Code

① ② ③ ④

C I 01 16 S 0 0 0 0

① Series No.
 ② No. of Circuits: 02 ~ 16
 ③ S = Housing
 ④ Other Options: 0000 = Standard

① ② ③ ④ ⑤

C I 01 T 0 1 P E 0

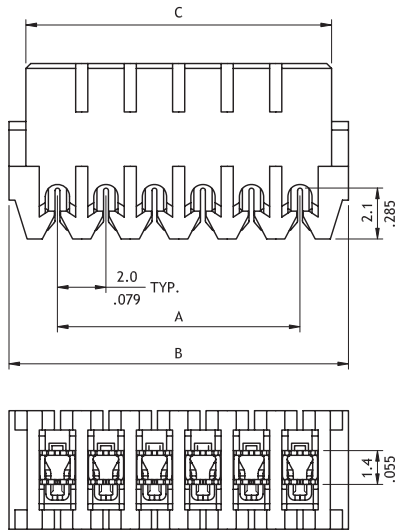
① Series No.
 ② Type: T01 =AWG#24~#28
 ③ Plating : 1= Tin over Nickel
 ④ Material: P =Phosphor Bronze
 ⑤ Other Option: E0=Standard

CI01 Series 2.00mm(.079") Single Row IDC Housing and IDC Cable



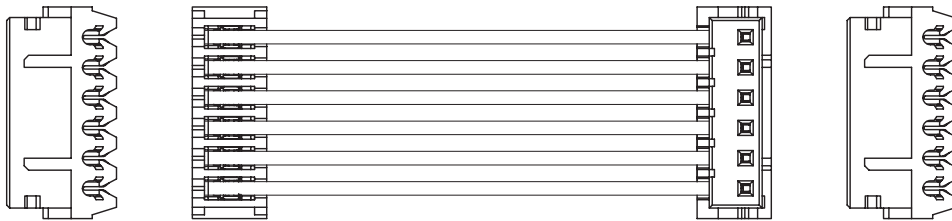
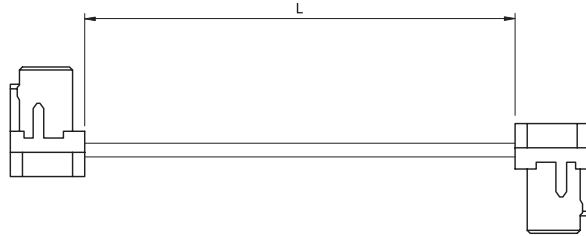
CI

P/N CI01**S1A*0



Wire Range	Insulation Diameter
AWG #26-#28	1.0 (.039) MAX.

A = 2.0 x No. of Spaces
 B = A + 4.0
 C = A + 2.6



Ordering Code

① C ② I ③ 0 ④ 1 ⑤ S ⑥ 1 A ⑦ 0

- ① Series No.
- ② No. of Circuits: 02~16
- ③ S = IDC Type
- ④ Plating Code: 1= Tin over Nickel
- ⑤ Color: A0 = Nature(#26)
A6 = Green(#28)
- ⑥ Options: 0 = Standard

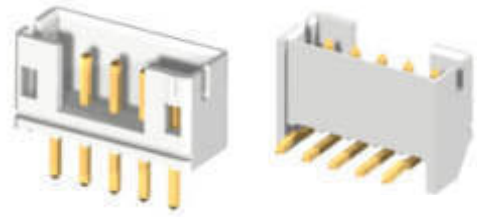
① Q ② H ③ - ④ 0 ⑤ 1 ⑥ I ⑦ 1 ⑧ 2 ⑨ 0 ⑩ 1 ⑪ 0 ⑫ 0 ⑬ 0 ⑭ 0

- ① Series No.
- ② No. of Circuits: 02~16
- ③ L = Length : 40~1000 mm(0100=100 mm)
- ④ Wire Color : 00 = All pin counts of White Color
01 = All pin counts of Black Color
02 = All pin counts of Brown Color
- ⑤ Other Options: 0 = Standard

WIRE TO BOARD CONNECTORS

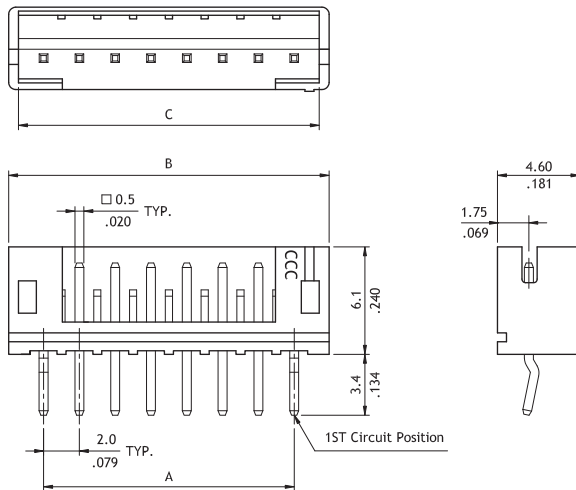
CI01 Series 2.00mm(.079") Single Row Wire to Board DIP Headers

- ⊙ Low profile, Pin kinked
- ⊙ With locking slots
- ⊙ Mate with CI01 Housing
- ⊙ Insulator : High temperature plastic UL 94V-0,Color Nature
- ⊙ With Tin plated 0.5mm square pin

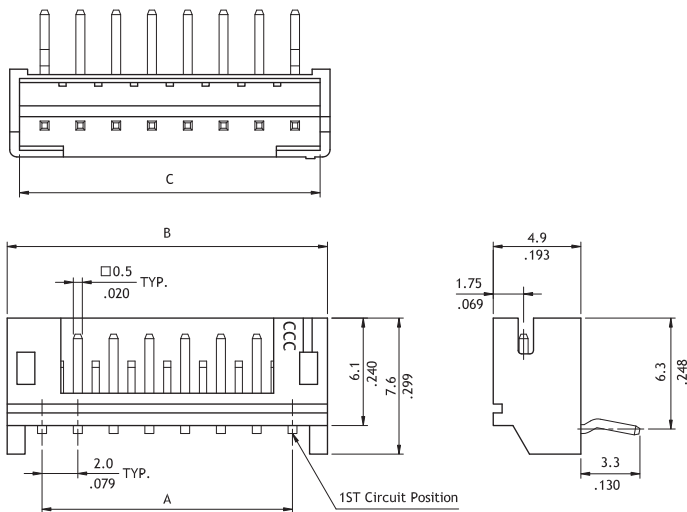


RoHS Compliant

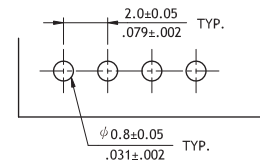
Top entry



Side entry



Circuits	Dimension		
	A	B	C
2	2.0(.079)	6.0(.236)	4.9(.193)
3	4.0(.157)	8.0(.315)	6.9(.272)
4	6.0(.236)	10.0(.394)	8.9(.350)
5	8.0(.315)	12.0(.472)	10.9(.429)
6	10.0(.394)	14.0(.551)	12.9(.508)
7	12.0(.472)	16.0(.630)	14.9(.587)
8	14.0(.551)	18.0(.709)	16.9(.665)
9	16.0(.630)	20.0(.787)	18.9(.744)
10	18.0(.709)	22.0(.866)	20.9(.823)
11	20.0(.787)	24.0(.945)	22.9(.902)
12	22.0(.866)	26.0(1.024)	24.9(.980)
13	24.0(.945)	28.0(1.102)	26.9(1.059)
14	26.0(1.024)	30.0(1.181)	28.9(1.138)
15	28.0(1.102)	32.0(1.260)	30.9(1.217)
16	30.0(1.181)	34.0(1.338)	32.9(1.295)



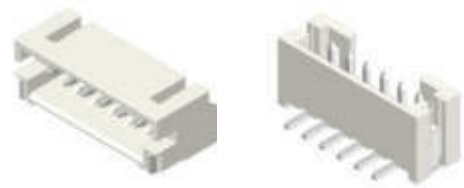
Recommended PCB Layout

Ordering Code	①	②	③	④	⑤	⑥	⑦
	CI01	16	P	1	V	K0	-NH

① Series No.
 ② No. of Circuits: 02 ~ 16
 ③ P = DIP Type
 ④ Plating Code: 1 = Matte Tin over Nickel
 ⑤ Type: V = Top entry
 H = Side entry
 ⑥ Other Options:
 00 = Without Pin Kinked
 K0 = With Pin Kinked (Standard)
 *Special options consult manufacturer
 ⑦ NH = For Lead Free soldering process and Halogen-Free

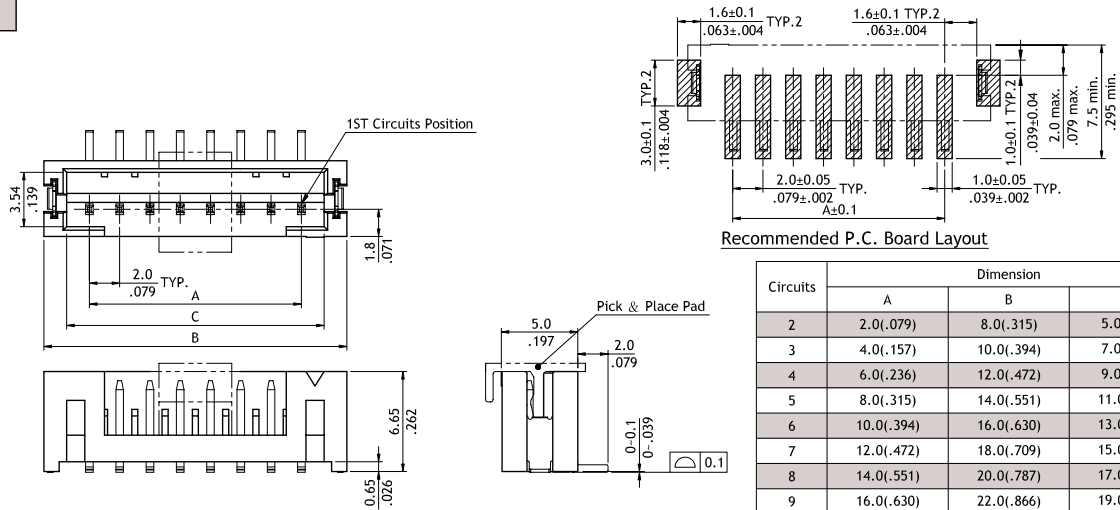
CI01 Series 2.00mm(.079") Single Row Wire to Board SMT Headers

- ⊙ Polarization and Low-profile
- ⊙ Locking slots provide secure mating
- ⊙ Fixed tabs provide PCB hold-down
- ⊙ Mate with CI01 Housing
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ Termianl: Tin plated Brass



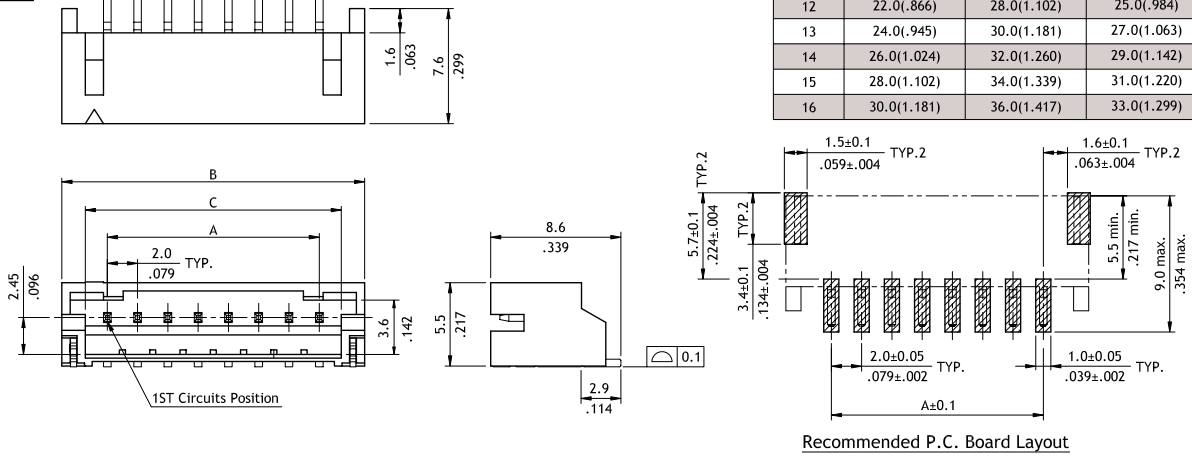
RoHS Compliant

Top entry



Circuits	Dimension		
	A	B	C
2	2.0(.079)	8.0(.315)	5.0(.197)
3	4.0(.157)	10.0(.394)	7.0(.276)
4	6.0(.236)	12.0(.472)	9.0(.354)
5	8.0(.315)	14.0(.551)	11.0(.433)
6	10.0(.394)	16.0(.630)	13.0(.512)
7	12.0(.472)	18.0(.709)	15.0(.591)
8	14.0(.551)	20.0(.787)	17.0(.669)
9	16.0(.630)	22.0(.866)	19.0(.748)
10	18.0(.709)	24.0(.945)	21.0(.827)
11	20.0(.787)	26.0(1.024)	23.0(.906)
12	22.0(.866)	28.0(1.102)	25.0(.984)
13	24.0(.945)	30.0(1.181)	27.0(1.063)
14	26.0(1.024)	32.0(1.260)	29.0(1.142)
15	28.0(1.102)	34.0(1.339)	31.0(1.220)
16	30.0(1.181)	36.0(1.417)	33.0(1.299)

Side entry



Ordering Code

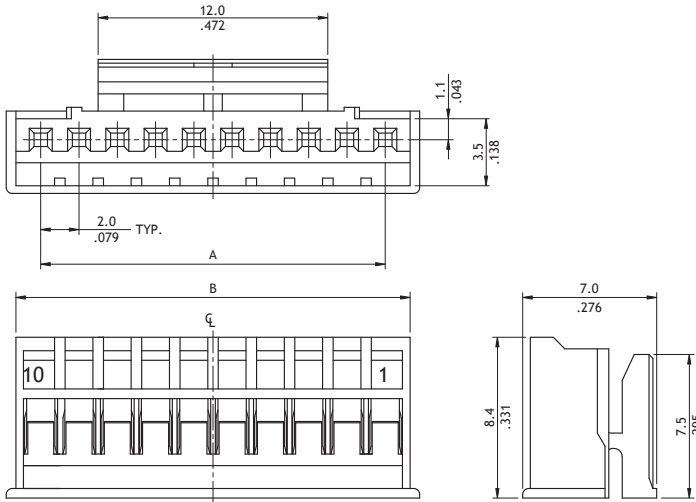
① ② ③ ④ ⑤ ⑥ ⑦ ⑧
CI01 15 M 1 V R 0 - NH

- ① Series No.
- ② No. of Circuits: Top Entry: 02 ~ 15
Side Entry: 02 ~ 16
- ③ M = SMT Type
- ④ Plating Code: 1 = Matte Tin over Nickel
- ⑤ Type : V = Top Entry
H = Side Entry

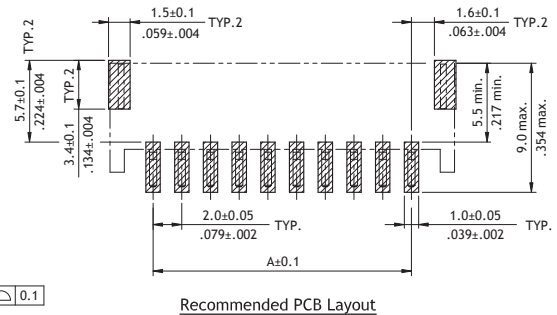
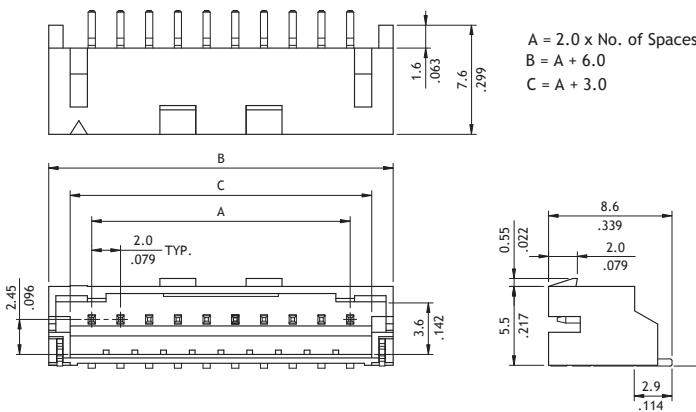
- ⑥ Packing Options:
T = Tube
R = Tape & Reel
(Top Entry type with pick & place Pad)
- ⑦ Other Options: 0 = Standard
Z = Special Insulation Material
*Special options consult manufacturer
- ⑧ NH = For Lead Free IR process and Halogen-Free

CI01 Series 2.00mm(.079") Single Row Wire to Board Housing & SMT Header

- ⊙ With locking latch provide secure mating
- ⊙ Fixed tabs provide PCB hold-down
- ⊙ Insulator: High temperature plastic UL 94V-0 , Color Nature
- ⊙ Housing: Mate with CI06 terminal (P/N: CI06T011PE0)



Circuits	Dimension	
	A	B
10	18.0(.709)	20.6(.811)
12	22.0(.866)	24.6(.969)
14	26.0(1.024)	28.6(1.126)
16	30.0(1.181)	32.6(1.283)



Ordering Code

①	②	③	④	⑤	①	②	③	④	⑤	⑥	⑦	⑧
C	I	0	1	6	S	0	0	L	0	C	I	0
1	6	S	0	0	M	1	H	R	L	-	N	H

① Series No.

② No. of Circuits: 10, 12, 14, 16

③ S = Housing

④ Latch Options:
00L = With Locking Latch

⑤ Other Options:
0 = Standard (Color Nature)
*Special options consult manufacturer

① Series No.

② No. of Circuits: 10, 12, 14, 16

③ M = SMT Type

④ Plating Code: 1 = Matte Tin over Nickel

⑤ Type: H = Side Entry

⑥ Packing Options: R = Tape & Reel ; T = Tube

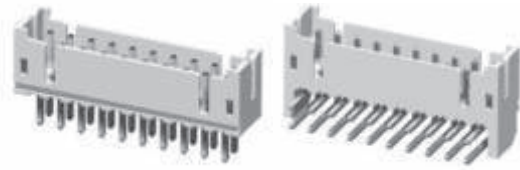
⑦ Other Options: L = With Locking Latch

⑧ NH = For Lead Free soldering process and Halogen-Free

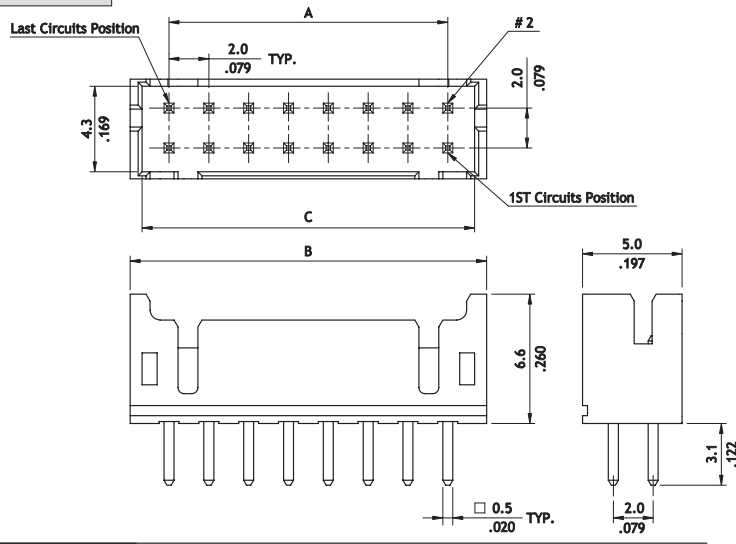
CI01 Series 2.00mm(.079") Dual Row Wire to Board Connectors DIP Headers

- ⊙ With locking slots
- ⊙ Mate with CI01 Dual Row Housing
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ With Tin plated 0.5mm square pin

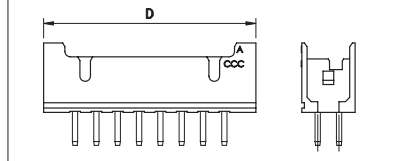
RoHS Compliant



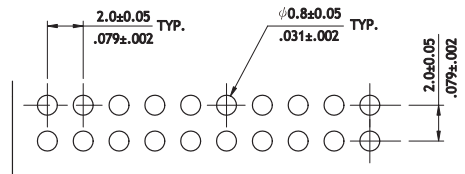
Straight Type



With Latch Type

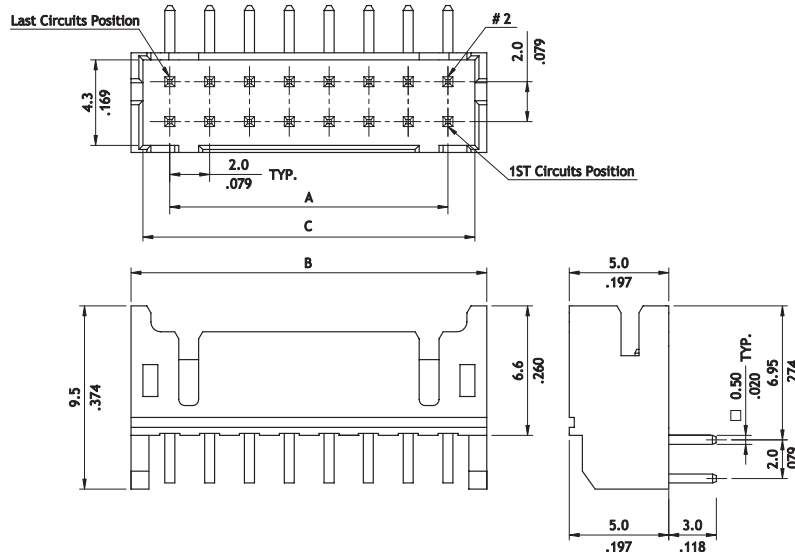


A = 2.0 x No. of Spaces
 B = A + 3.9
 C = A + 2.7
 D = A + 5.9

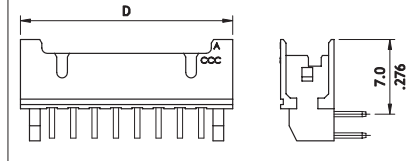


Recommended P.C. Board Layout

Right angle Type



With Latch Type



Ordering Code

① CI01 ② 34 ③ P ④ 1 ⑤ V ⑥ D ⑦ 0 ⑧ - NH

- ① Series No.
- ② No. of Circuits: 06 ~ 34
- ③ P = DIP Type
- ④ Plating Code: 1=Matte Tin over Nickel
- ⑤ Type: V=Straight
H=Right Angle
- ⑥ D=Dual Row Header
- ⑦ Other Options: 0 = With Locking Slot
L = With Locking Ramp
- ⑧ NH = For Lead Free soldering process and Halogen-Free
*Special options consult manufacturer

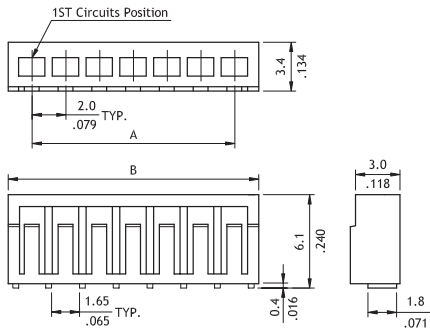
CI02 Series 2.00mm(.079") Board In Connectors

- ⊙ Low profile Housing
- ⊙ Mate with CI02 Crimp board Terminal
- ⊙ Insulator: Nylon 66 UL 94V-0, Color Nature
- ⊙ Terminal: Tin plated Copper alloy

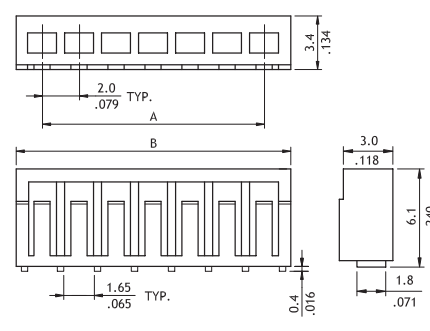
RoHS Compliant  



P/N CI02**S0000

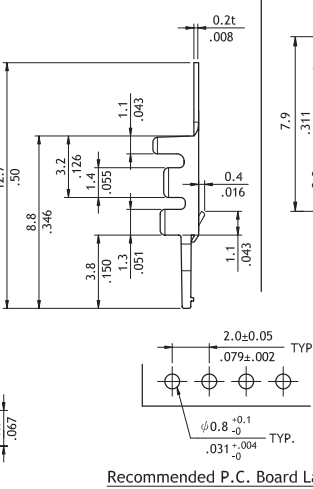
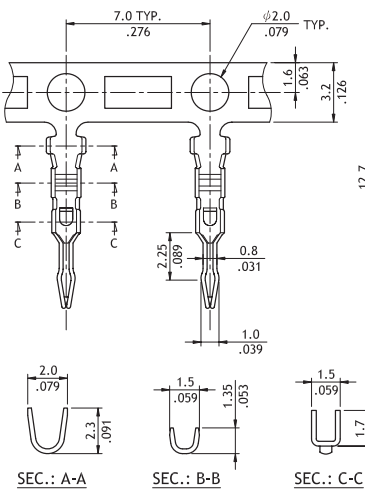


P/N CI02**S000H

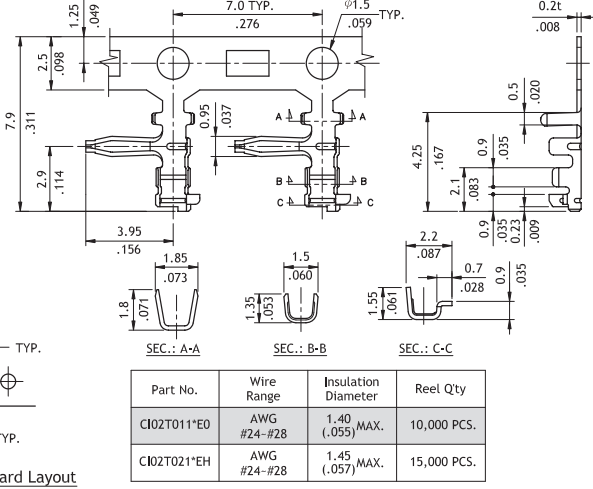


Circuits	Dimension	
	A	B
2	2.0(.079)	5.2(.205)
3	4.0(.157)	7.2(.283)
4	6.0(.236)	9.2(.362)
5	8.0(.315)	11.2(.441)
6	10.0(.394)	13.2(.520)
7	12.0(.472)	15.2(.598)
8	14.0(.551)	17.2(.677)
9	16.0(.630)	19.2(.756)
10	18.0(.709)	21.2(.835)
11	20.0(.787)	23.2(.913)
12	22.0(.866)	25.2(.992)
13	24.0(.945)	27.2(1.071)
14	26.0(1.024)	29.2(1.150)
15	28.0(1.102)	31.2(1.228)
16	30.0(1.181)	33.2(1.307)

P/N CI02T011*E0



P/N CI02T021*E0



Part No.	Wire Range	Insulation Diameter	Reel Qty
CI02T011*E0	AWG #24-#28	1.40 (.055) MAX.	10,000 PCS.
CI02T021*EH	AWG #24-#28	1.45 (.057) MAX.	15,000 PCS.

Recommended P.C. Board Layout

Ordering Code

① C ② I02 ③ 20 ④ S ⑤ 0000-A

- ① Series No.
- ② No. of Circuits: 02 ~ 20
- ③ S = Housing
- ④ Other Options:
0000-A = For Straight Terminal
000H-A = For Right Angle Terminal
*Special options consult manufacturer

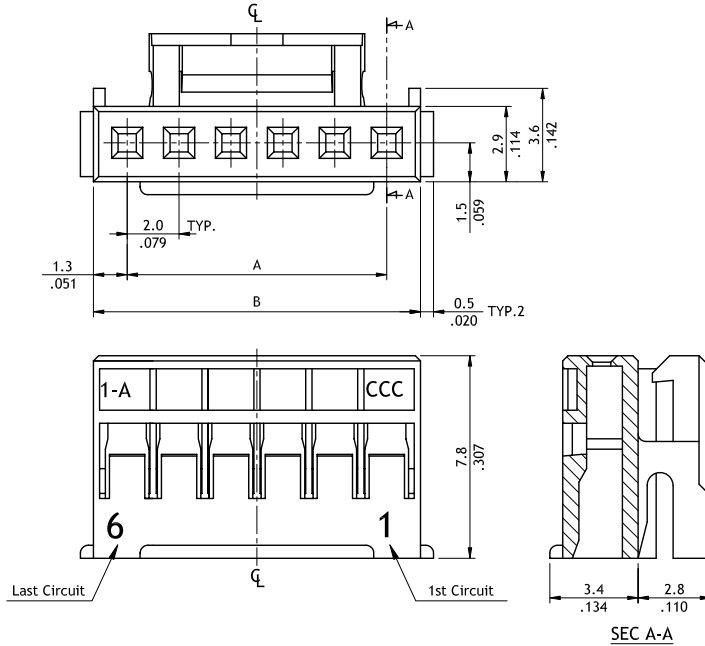
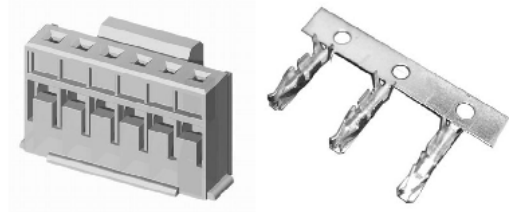
① C ② I02 ③ T02 ④ 1 ⑤ P P0

- ① Series No.
- ② Type: T02 = AWG #24 ~ #28 (Straight)
T02 = AWG #26 ~ #28 (Right Angle)
- ③ Plating Code: 1 = Tin over Nickel
- ④ Material: P = Phosphor Bronze ; B = Brass
- ⑤ Terminal Style: P0 = Straight
PH = Right Angle

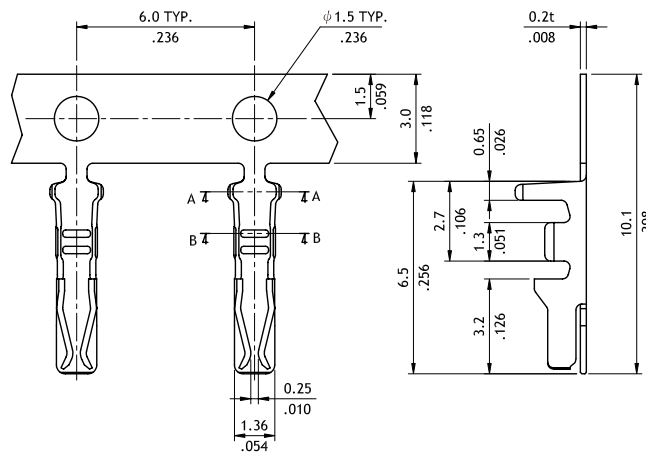
CI06 Series 2.00mm(.079") Wire to Board Connectors Housing & Terminal

- ⊙ With locking latch provides secure mating
- ⊙ Mate with CI06 Header
- ⊙ Can be used with CI06 Crimp Clip Terminal
- ⊙ Insulator: Nylon 66 UL 94V-0, Color Nature

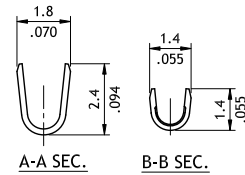
RoHS Compliant



Circuits	Dimension	
	A	B
2	2.0(.079)	4.6(.181)
3	4.0(.157)	6.6(.260)
4	6.0(.236)	8.6(.339)
5	8.0(.315)	10.6(.417)
6	10.0(.394)	12.6(.496)
7	12.0(.472)	14.6(.575)
8	14.0(.551)	16.6(.654)
9	16.0(.630)	18.6(.732)
10	18.0(.709)	20.6(.811)
11	20.0(.787)	22.6(.890)
12	22.0(.866)	24.6(.969)
13	24.0(.945)	26.6(1.047)
14	26.0(1.024)	28.6(1.126)
15	28.0(1.102)	30.6(1.205)
16	30.0(1.181)	32.6(1.283)



Wire Range	Insulation Diameter	Reel Qty
AWG #24-#30	0.80 Min. (.031) 1.45 MAX. (.057)	10,000 PCS.



Ordering Code

① C I 0 6 ② 1 6 ③ S ④ 0 0 0 0

① C I 0 6 ② T 0 1 ③ 1 ④ P ⑤ E 0

- ① Series No.
- ② No. of Circuits: 02 ~ 16
- ③ S = Housing
- ④ Other Options: 0000 = Standard
*Special options consult manufacturer

- ① Series No.
- ② Type: T01 = AWG #24 ~ #30
- ③ Plating Code: 1 = Tin over Nickel
- ④ Material: P = Phosphor Bronze
- ⑤ Other Options: E0 = Standard

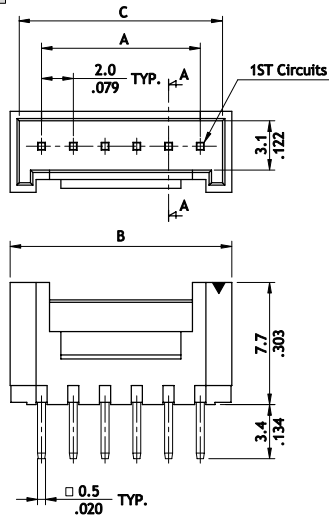
CI06 Series 2.00mm(.079") Wire to Board Connectors DIP & SMT Headers

- ⊙ With locks provide secure mating
- ⊙ Mate with CI06 housing
- ⊙ Insulator: High temperature plastic UL 94V-0 , Color Nature
- ⊙ With Tin plated 0.5mm square pin

RoHS Compliant  

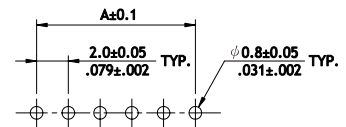
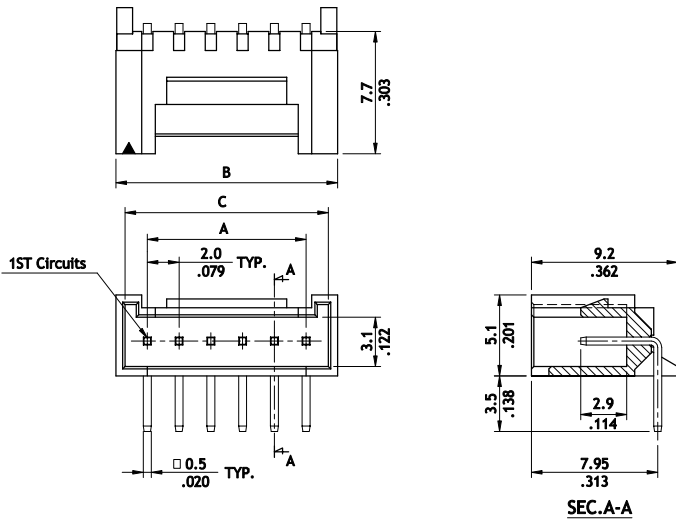


Straight Type



Circuits	Dimension		
	A	B	C
2	2.0(.079)	5.96(.235)	4.8(.189)
3	4.0(.157)	7.96(.313)	6.8(.268)
4	6.0(.236)	9.96(.392)	8.8(.346)
5	8.0(.315)	11.96(.471)	10.8(.425)
6	10.0(.394)	13.96(.550)	12.8(.504)
7	12.0(.472)	15.96(.628)	14.8(.583)
8	14.0(.551)	17.96(.707)	16.8(.661)
9	16.0(.630)	19.96(.786)	18.8(.740)
10	18.0(.709)	21.96(.865)	20.8(.819)
11	20.0(.787)	23.96(.943)	22.8(.898)
12	22.0(.866)	25.96(1.022)	24.8(.976)
13	24.0(.945)	27.96(1.101)	26.8(1.055)
14	26.0(1.024)	29.96(1.180)	28.8(1.134)
15	28.0(1.102)	31.96(1.258)	30.8(1.213)
16	30.0(1.181)	33.96(1.337)	32.8(1.291)

Right angle Type



Recommended P.C. Board Layout

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦
CI06 16 P 1 V 00 - NH

- ① Series No.
 - ② No. of Circuits: 02 ~ 16
 - ③ P = DIP Type
 - ④ Plating Code: 1 = Matte Tin over Nickel
 - ⑤ Type: V = Straight ; H = Right Angle
 - ⑥ Other Options: 00 = Standard
 - ⑦ NH = For Lead Free soldering process and Halogen-Free
- *Special options consult manufacturer

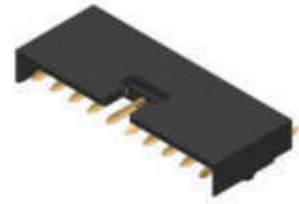
① ② ③ ④ ⑤ ⑥ ⑦ ⑧
CI06 16 M 1 H R 0 - NH

- ① Series No.
- ② No. of Circuits: 02 ~ 16
- ③ M = SMT Type
- ④ Plating Code: 1 = Matte Tin over Nickel
- ⑤ Type: H = Side Entry
- ⑥ Packing: R = Tape & Reel ; T = Tube
- ⑦ Other Options: 0 = Standard
- ⑧ NH = For Lead Free soldering process and Halogen-Free

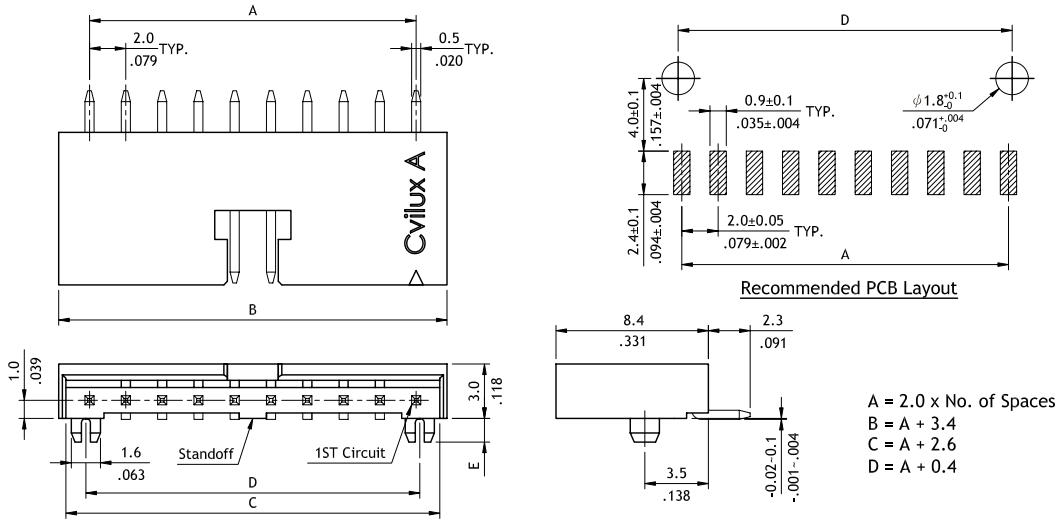
CI08 Series 2.00mm(.079") Wire to Board Connectors SMT & DIP Headers

- ⊙ 3.0mm above the board
- ⊙ Insulation: High temperature plastic UL 94V-0, Color Black
- ⊙ With metal fixed tabs to secure connector in place

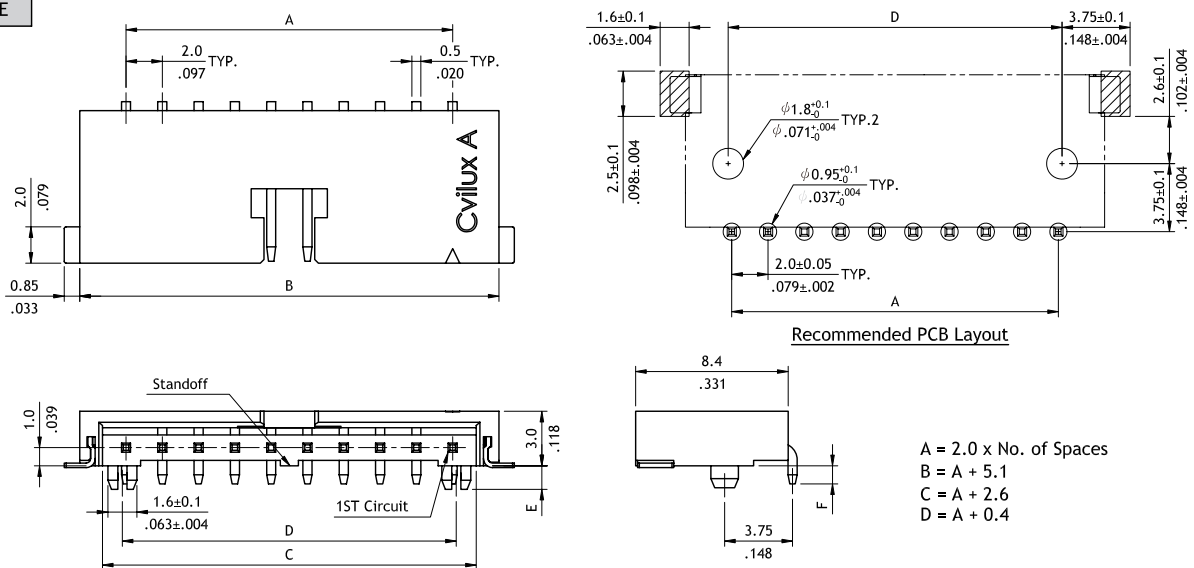
RoHS Compliant



SMT TYPE



DIP TYPE



Ordering Code

① CI08 ② 17 ③ P ④ 1 ⑤ H ⑥ R ⑦ 0 - ⑧ NH

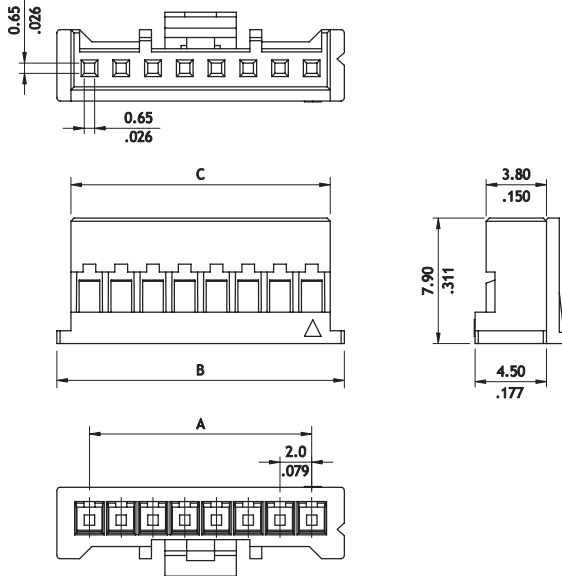
- ① Series No.
- ② No. of Circuits: 03 ~ 17
- ③ P= DIP Type
M= SMT Type
- ④ Plating Code: 1= Matte Tin over Nickel
2=Gold flash over Nickel
- ⑤ Type: H=Side Entry
- ⑥ Packing Option: R=Tape & Reel
- ⑦ Other Options :
SMT Type
0: DIM.E=0.9 1: DIM.E=1.0
DIP Type
0: DIM.E=0.9 DIM.F=1.0
1: DIM.E=0.9 DIM.F=1.2
2: DIM.E=1.3 DIM.F=1.0
4: DIM.E=1.3 DIM.F=1.2
- ⑧ NH=For Lead Free Soldering Process and Halogen-Free

CI10 Series 2.00mm(.079") Wire to Board Connectors Housing & Terminal

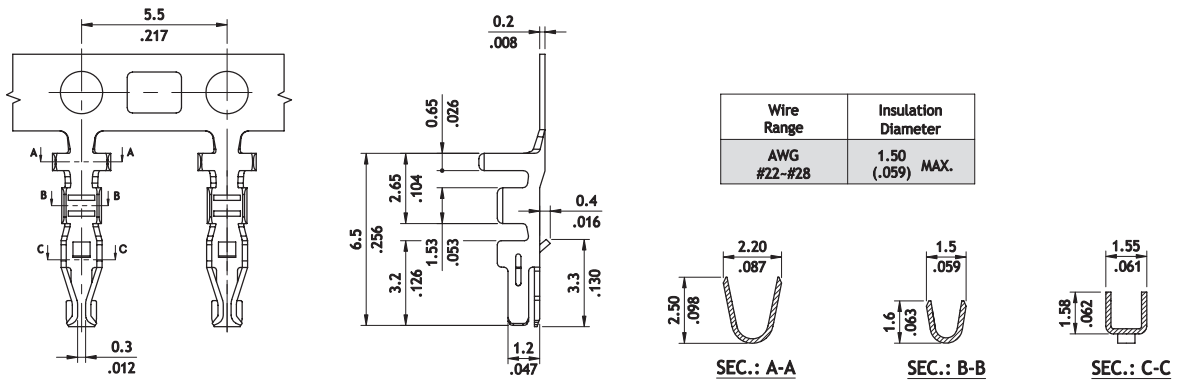
- ⊙ Low profile Housing
- ⊙ Mate with CI01 Crimp board Terminal
- ⊙ Insulator: Nylon 66 UL 94V-0, Color Nature
- ⊙ Terminal: Tin plated Copper alloy



RoHS Compliant  



Circuits No.	Dimensions		
	A	B	C
02	2.00(.079)	6.10(.240)	4.34(.171)
03	4.00(.157)	8.10(.319)	6.34(.250)
04	6.00(.236)	10.10(.398)	8.34(.328)
05	8.00(.315)	12.10(.476)	10.34(.407)
06	10.00(.394)	14.10(.555)	12.34(.486)
07	12.00(.472)	16.10(.634)	14.34(.565)
08	14.00(.551)	18.10(.713)	16.34(.643)
09	16.00(.630)	20.10(.791)	18.34(.722)
10	18.00(.709)	22.10(.870)	20.34(.801)
11	20.00(.787)	24.10(.949)	22.34(.880)
12	22.00(.866)	26.10(1.028)	24.34(.958)
13	24.00(.945)	28.10(1.106)	26.34(1.037)
14	26.00(1.024)	30.10(1.185)	28.34(1.116)
15	28.00(1.102)	32.10(1.264)	30.34(1.194)
16	30.00(1.181)	34.10(1.343)	32.34(1.273)



Ordering Code

① CI10 ② 02 ③ S ④ L00A

① CI10 ② T02 ③ 1 ④ P ⑤ EA

- ① Series No.
- ② No. of Circuits: 02~06 , 10 , 12 , 15 , 16
*see above table
- ③ S= Connector Housing
- ④ Other Option : L00A =Locking Latch (Standard)

- ① Series No.
- ② Type: T02 = AWG #22~#28
- ③ Plating Code: 1 = Tin over Nickel
- ④ Material : P=Phosphor Bronze
- ⑤ Option : EA = Standard

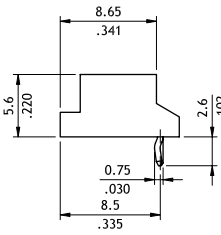
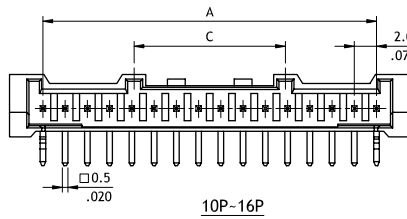
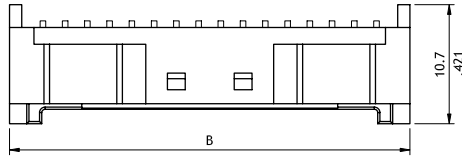
C110 Series 2.00mm(.079") Single Row Wire to Board Connectors DIP & SMT Headers

- ⊙ Low profile , Pin kinked
- ⊙ With locks provide secure mating
- ⊙ Insulator: Nylon UL 94V-0 , Color Nature
- ⊙ Termanal : Tin plated 0.5mm square pin

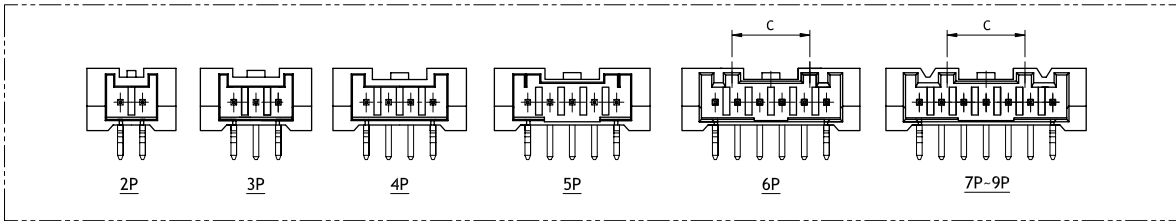


RoHS Compliant

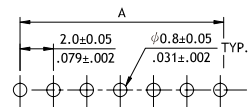
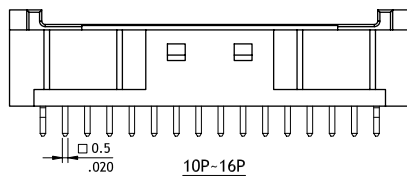
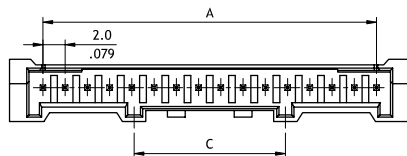
P/N C110**P*HK0



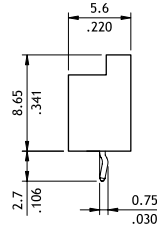
Circuits	Dimension		
	A	B	C
2	2.00(.079)	8.0(.315)
3	4.00(.157)	10.0(.394)	
4	6.00(.236)	12.0(.472)	
5	8.00(.315)	14.0(.551)	
6	10.00(.394)	16.0(.630)	7.00(.276)
7	12.00(.472)	18.0(.709)	
8	14.00(.551)	20.0(.787)	13.60(.535)
9	16.00(.630)	22.0(.866)	
10	18.00(.709)	24.0(.945)	
11	20.00(.787)	26.0(1.024)	
12	22.00(.866)	28.0(1.102)	
13	24.00(.945)	30.0(1.181)	
14	26.00(1.024)	32.0(1.260)	
15	28.00(1.102)	34.0(1.339)	
16	30.00(1.181)	36.0(1.417)	



P/N C110**P*VK0



Recommended P.C. Board Layout



Ordering Code

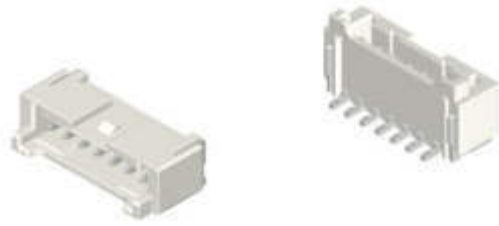
① C ② I ③ 10 ④ 0 ⑤ 2 ⑥ P ⑦ 2 ⑧ H ⑨ K0

- ① Series No.
- ② No. of Circuits : 02~16
- ③ Contact type: P = Pin Header

- ④ Plating Code:
M=Matte Tin over Nickel
2= Gold flash over Nickel
- ⑤ Type: H = Right Angle
V = Straight type
- ⑥ Other Option : K0 = With Pin Kinked

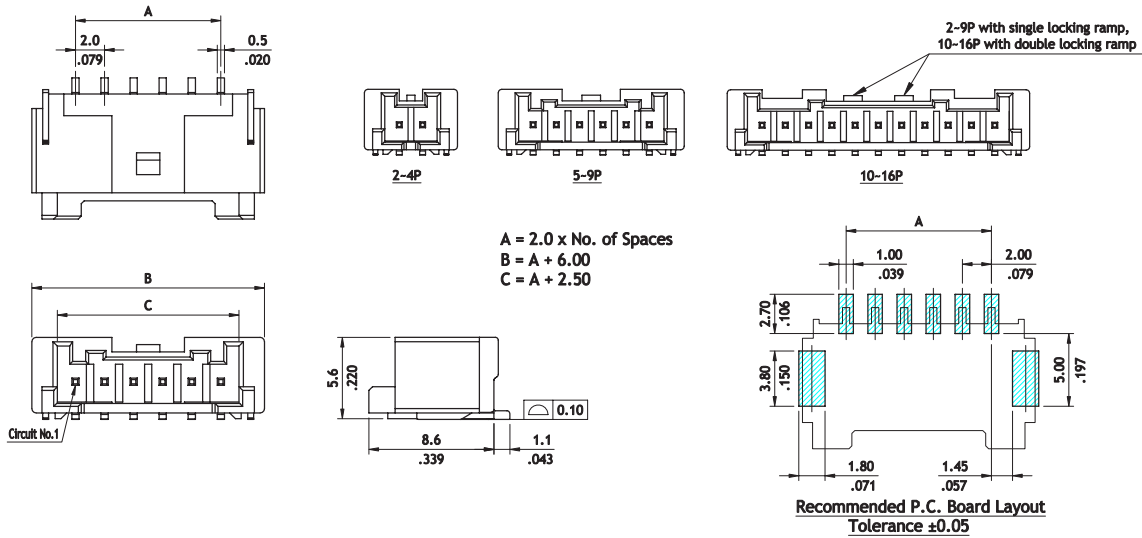
CI10 Series 2.00mm(.079") Wire to Board Connectors DIP & SMT Headers

- With locks provide secure mating
- Insulator: High temperature plastic UL 94V-0 , Color Nature

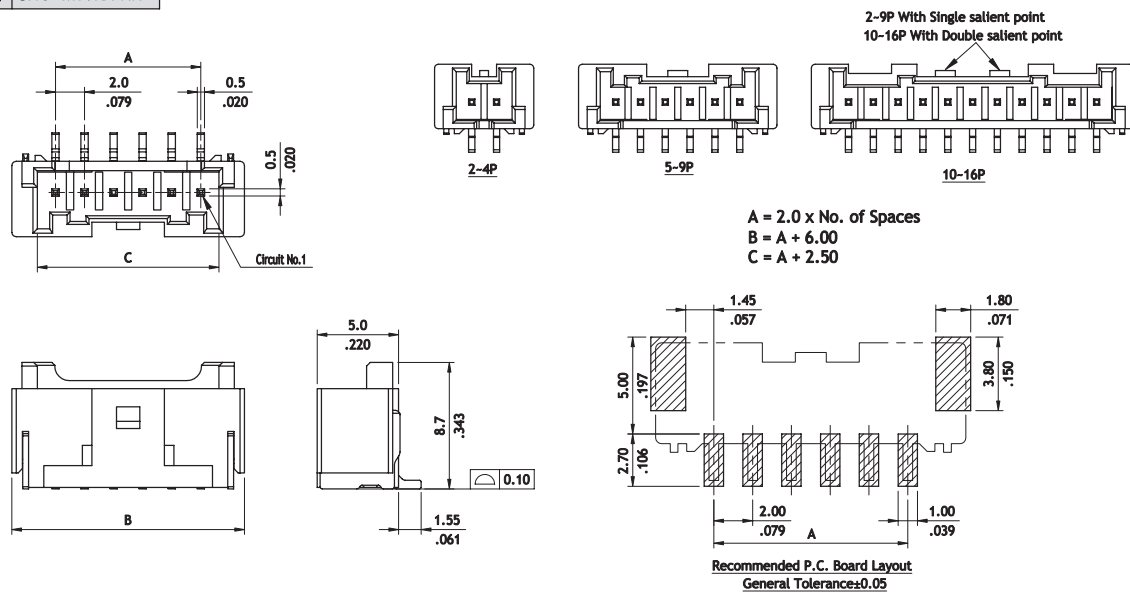


RoHS Compliant  

P/N CI10**M1HRA-NH



P/N CI10**M1VRA-NH



Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
CI10 02 M 1 H R A - NH

- ① Series No.
- ② No. of Circuits: 02~06 , 10 , 12 , 15
- ③ Contact type: M = SMT type header
- ④ Plating Code: 1 = Matte Tin over Nickel
- ⑤ Type: H = Right Angle , V = Straight type
- ⑥ Packing Option : R = Tape & Reel
- ⑦ Other Options:A= Without Mylar
- ⑧ NH = For Lead Free soldering process and Halogen-Free

CIDX Series 2.00mm(.079") Single Row Wire to Board Housing & Terminal

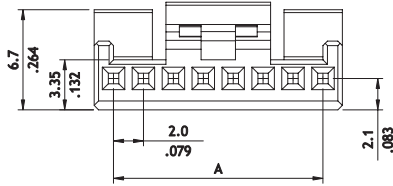
- ⊙ Low profile with locking ribs
- ⊙ Mate with CIDX header
- ⊙ Terminal accommodated AWG#20~#22
- ⊙ Insulator : Glass filled polyester UL 94V-0 , Color B
- ⊙ Terminal : Tin plated Phosphor Bronze

NEW

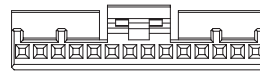
RoHS Compliant



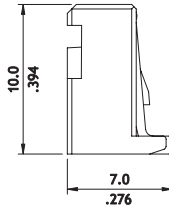
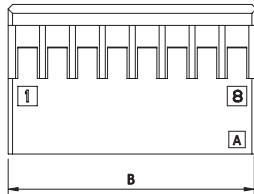
P/N: CIDX**S0010



(2PIN-4PIN)

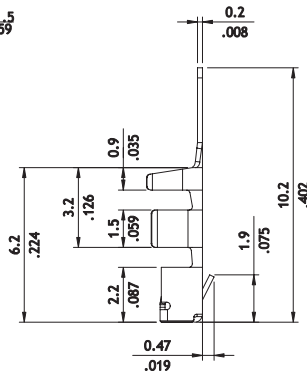
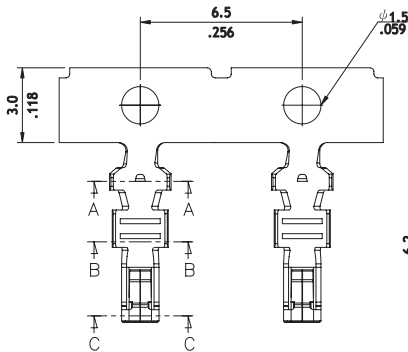


(14PIN)

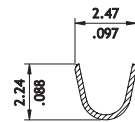


Circuits	Dimension	
	A	B
2	2.00(.079)	7.00(.276)
3	4.00(.157)	7.90(.311)
4	6.00(.236)	8.60(.339)
5	8.00(.315)	12.00(.472)
6	10.00(.394)	12.60(.496)
7	12.00(.472)	15.60(.614)
8	14.00(.551)	16.60(.654)
10	18.00(.709)	20.60(.811)
14	26.00(1.024)	28.40(1.118)

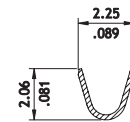
P/N: CIDXT031PP0



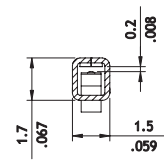
Wire Range	Insulation Diameter
AWG #20~#22	1.50 MAX. (.059)



SEC.: A-A



SEC.: B-B



SEC.: C-C

Ordering Code

① ② ③ ④
C I D X 0 2 S 0 0 1 0

- ① Series No.
- ② No. of Circuits: 02~08 , 10 , 14
- ③ S = Housing
- ④ Other Options:
0010 = Color Black

① ② ③ ④ ⑤
C I D X T 0 3 1 P P 0

- ① Series No.
- ② Type: T02 = AWG # 20 ~ # 22
- ③ Plating Code: 1 = Tin over Nickel
- ④ Material: P =Phosphor Bronze
- ⑤ Other Options: P0 = Standard

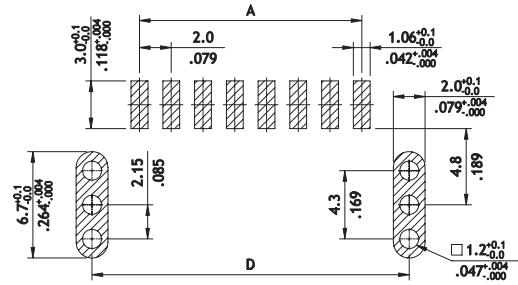
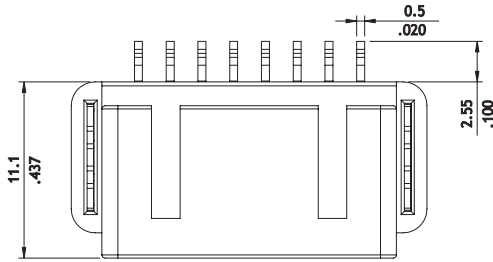
CIDX Series 2.00mm(.079") Wire to Board Connectors SMT Headers

- ⊙ With Locking Slot
- ⊙ Mate with CIDX Housing
- ⊙ Insulator : High temperature plastic UL 94V- 0 , Color Nature
- ⊙ With Tin Plated , Brass

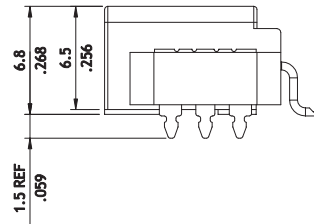
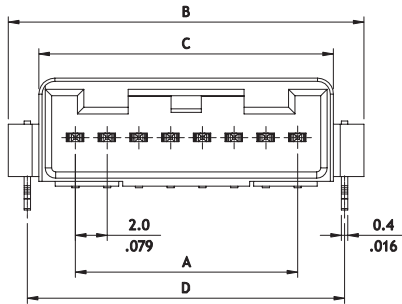
NEW



RoHS Compliant



Recommended P.C. Board Layout
General Tolerance±0.05



Circuits	Dimension			
	A	B	C	D
2	2.00(.079)	12.90(.508)	9.05(.356)	10.58(.417)
3	4.00(.157)	13.70(.539)	9.85(.388)	11.28(.444)
4	6.00(.236)	14.40(.567)	10.55(.415)	11.98(.472)
5	8.00(.315)	17.80(.701)	13.95(.549)	15.38(.606)
6	10.00(.394)	18.40(.724)	14.55(.573)	15.98(.629)
7	12.00(.472)	21.40(.843)	17.55(.691)	18.98(.747)
8	14.00(.551)	22.40(.882)	18.55(.730)	19.98(.787)
10	18.00(.709)	26.40(1.039)	22.55(.888)	23.98(.944)
14	26.00(1.024)	36.40(1.433)	30.25(1.203)	31.78(1.251)

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦
C I D X 0 2 M 1 H R 0 - L F

- ① Series No.
- ② No. of Circuits: 02~08 , 10 , 14
- ③ Contact type : M = SMT Type
- ④ Plating Code: 1 = Matte Tin over Nickel
- ⑤ Type: H = Right Angle
- ⑥ Other Options: R0 = Reel Packing
- ⑦ LF = For Lead Free IR Reflow Process

WIRE TO BOARD CONNECTORS

CIDY Series 2.00mm(.079") Single Row Wire to Board Housing & Terminal

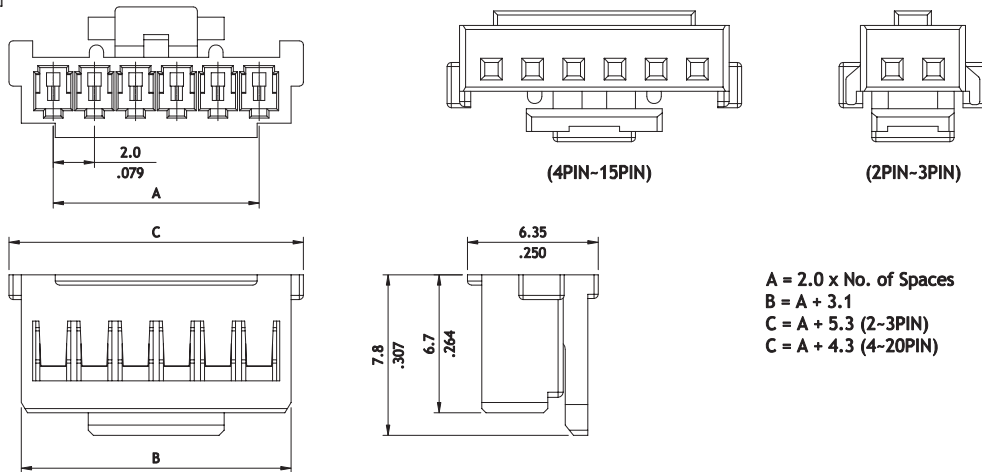
- ⊙ With locking latch provide secure mating
- ⊙ Mate with CIDY header
- ⊙ Can be used CIDY crimp clip terminal
- ⊙ Insulator : Nylon 66 UL 94V-0 , Color Nature
- ⊙ Terminal : Tin plated Phosphor Bronze

NEW



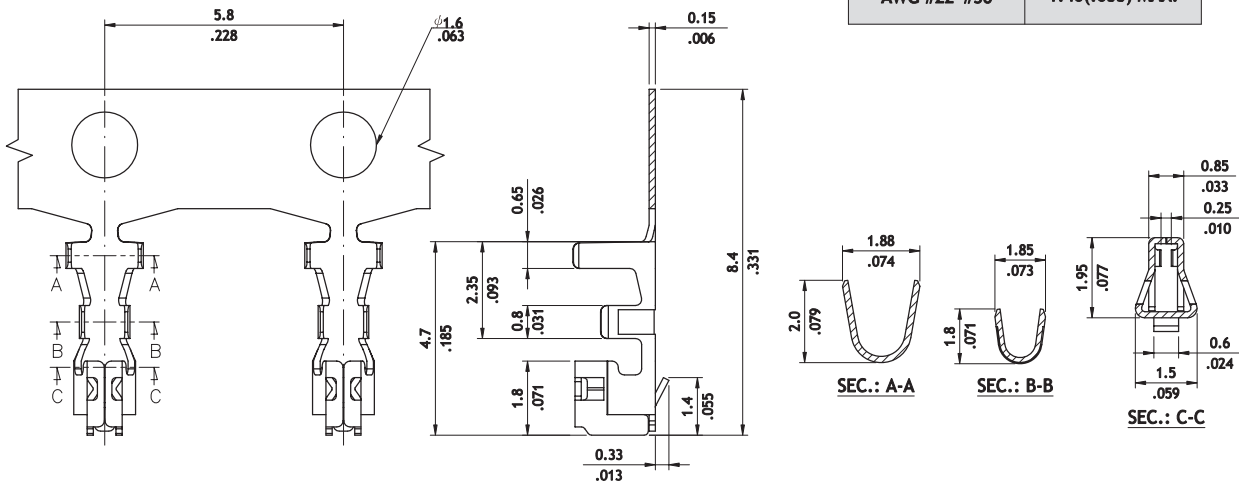
RoHS Compliant

P/N: CIDY**S0000



P/N: CIDYT021PP0

Wire Range	Insulation Diameter
AWG #22-#30	1.40(.055) MAX.



Ordering Code

①	②	③	④	①	②	③	④	⑤
C	I	D	Y	C	I	D	T	0
0	2	S	0	2	1	P	P	0
0	0	0	0	0	0	0	0	0

① Series No.

② No. of Circuits: 02~15

③ S = Housing

④ Other Options: 0000 = Color Nature

① Series No.

② Type: T02 = AWG # 22 ~ # 30

③ Plating Code: 1 = Tin over Nickel

④ Material: P =Phosphor Bronze

⑤ Other Options: P0 = Standard

CIDY Series 2.00mm(.079") Wire to Board Connectors DIP Headers

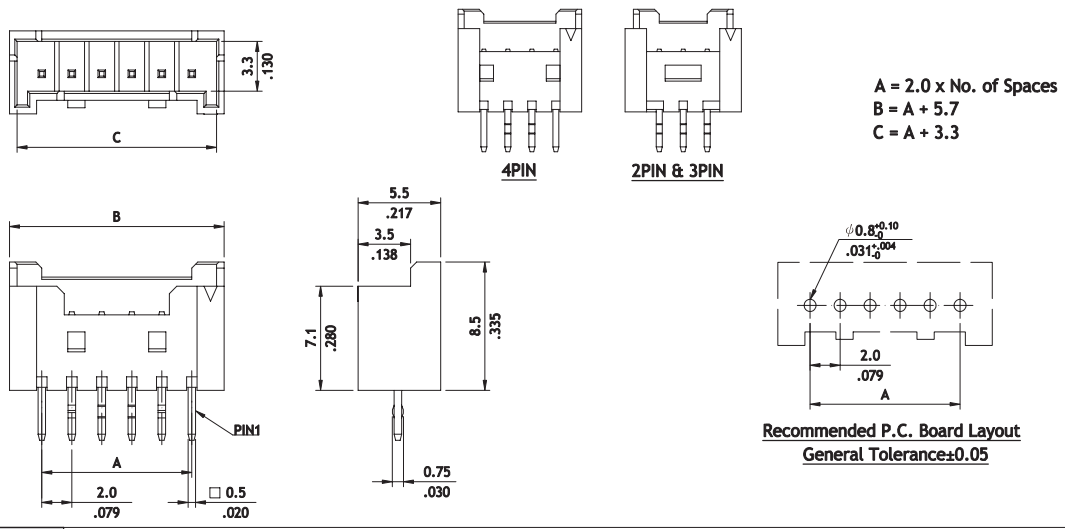
- ⊙ With locking provide secure mating
- ⊙ Mate with CIDY housing
- ⊙ Insulator : Nylon 66 UL 94V-0 , Color Nature
- ⊙ With Tin : plated 0.5 square pin

NEW

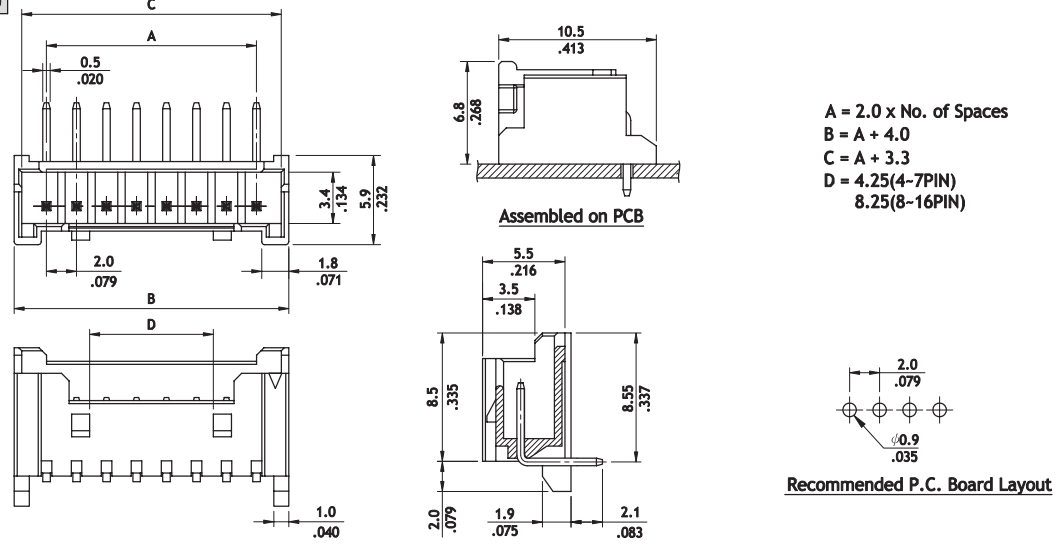


RoHS Compliant

P/N: CIDY**P1VK0



P/N: CIDY**P1H00



Ordering Code

① ② ③ ④ ⑤ ⑥
CIDY 15 P 1 V K0

① ② ③ ④ ⑤ ⑥
CIDY 15 P 1 H 00

- ① Series No.
- ② No. of Circuits: 02~15
- ③ P = Pin Header
- ④ Plating Code : 1 = Tin over Nickel
- ⑤ Type : V = Straight
- ⑥ Other Option : K0 = With pin kinked

- ① Series No.
- ② No. of Circuits: 02~15
- ③ P = Pin Header
- ④ Plating Code : 1 = Tin over Nickel
- ⑤ Type: H = Right angle
- ⑥ Other Option : 00= Standard

CID9 Series 2.00 mm(.079") Single Row Wire to Board Housing & Terminal

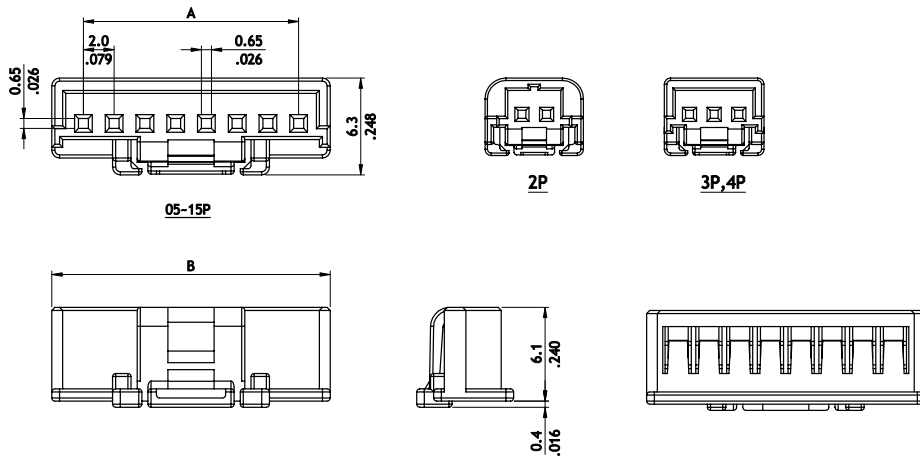
- ⊙ Mate with CID9 Housing
- ⊙ Can be used with CID9 Crimp Terminal
- ⊙ Insulator : Nylon 66 UL 94V-0 , Color Nature
- ⊙ Tin Plated Phosphor Bronze

NEW

RoHS Compliant

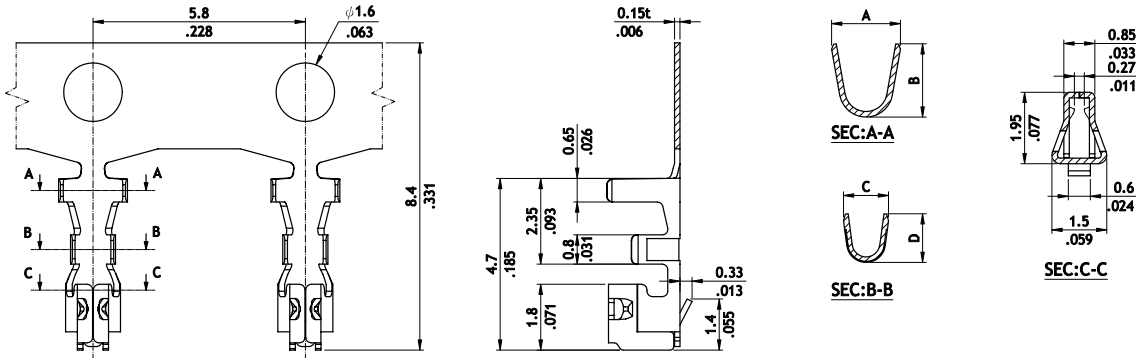


P/N: CID9**SL00A



Circuits	Dimension	
	A	B
2	2.00 (.079)	8.00 (.315)
3	4.00 (.157)	8.10 (.319)
4	6.00 (.236)	10.10 (.398)
5	8.00 (.315)	12.10 (.476)
6	10.00 (.394)	14.10 (.555)
7	12.00 (.472)	16.10 (.634)
8	14.00 (.551)	18.10 (.713)
9	16.00 (.630)	20.10 (.791)
10	18.00 (.709)	22.10 (.870)
11	20.00 (.787)	24.10 (.949)
12	22.00 (.866)	26.10 (1.028)
13	24.00 (.945)	28.10 (1.106)
14	26.00 (1.024)	30.10 (1.185)
15	28.00 (1.102)	32.10 (1.264)

P/N: CID9T0*1PP0



Part No.	Wire Gauge	Dimension				Insulation Range
		A	B	C	D	
CID1T021PP0	AWG #20~22	1.88(.074)	2.00(0.79)	1.85(.073)	1.80(.071)	1.45(.057) Max.
CID1T081PP0	AWG #24~26	1.88(.074)	2.00(0.79)	1.23(.048)	1.33(.052)	1.40(.055) Max.

Ordering Code

① C ② ID9 ③ 04 ④ S ⑤ L ⑥ 00A

① C ② ID9 ③ T02 ④ 1 ⑤ P ⑥ P 0

- ① Series No.
- ② No. of Circuits: 02~15
- ③ S = Female
- ④ L = With Locking Latch
- ⑤ Option : 00A = Standard (Color Nature)

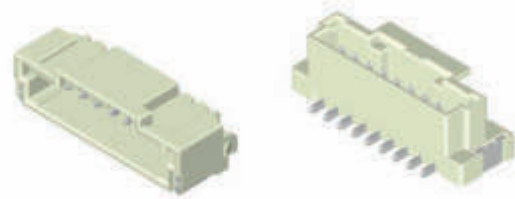
- ① Series No.
- ② Type : T02 = AWG #20~#22
T08 = AWG#24~#26
- ③ Plating Code: 1 = Tin over Nickel
- ④ Material : P = Phosphor Bronze
- ⑤ Plating method : P = Post Plating
- ⑥ Option : 0 = Standard

CID9 Series 2.0 mm(.079") Single Row Wire to Board SMT Headers

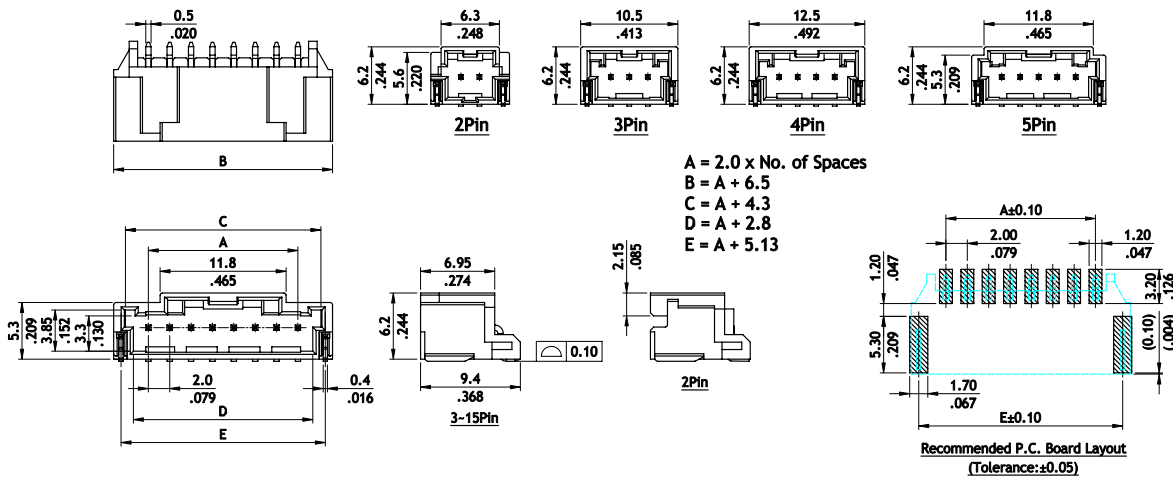
- ☉ Mate with CID9 Housing
- ☉ Insulator : High temperature plastic UL 94V-0 , Color Nature

NEW

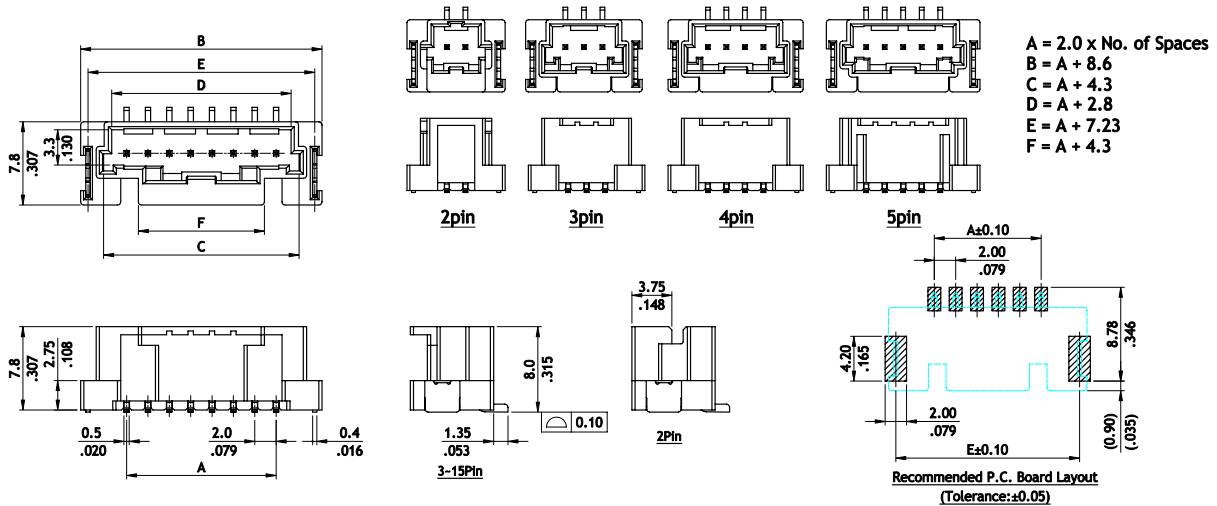
RoHS Compliant



P/N: CID9**M1HR0-LF



P/N: CID9**M1VR0-LF



Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦
C I D 9 0 2 M 1 H R 0 - L F

- ① Series No.
- ② No. of Circuits: 02~15
- ③ Contact type: M= SMT Type
- ④ Plating Options:
1= Tin over Nickel
- ⑤ Tail style: Type : H= Right Angle
- ⑥ Option: R0= Standard
- ⑦ LF = For Lead Free soldering process

① ② ③ ④ ⑤ ⑥ ⑦
C I D 9 0 2 M 1 V R 0 - L F

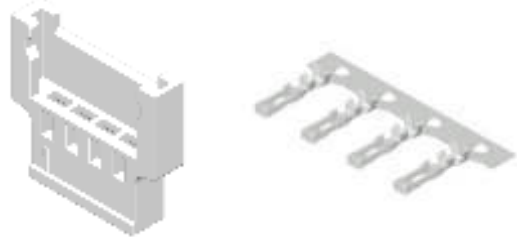
- ① Series No.
- ② No. of Circuits: 02~15
- ③ Contact type: M= SMT Type
- ④ Plating Options:
1= Tin over Nickel
- ⑤ Tail style: Type : V= Staight
- ⑥ Option: R0= Standard
- ⑦ LF = For Lead Free soldering process

CIEG Series 2.00 mm(.079") Single Row Wire to Wire Housing & Terminal

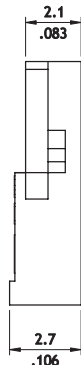
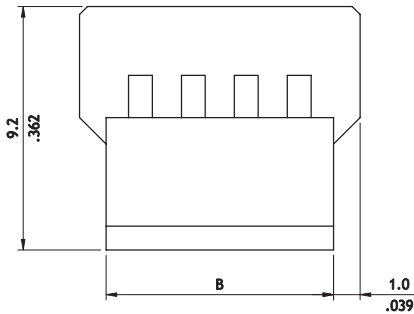
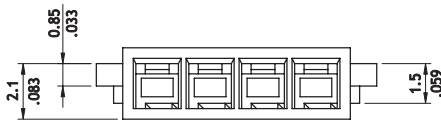
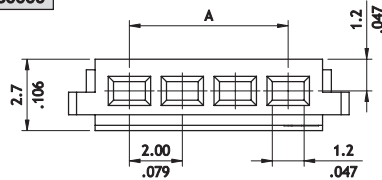
- ⊙ Low profile Housing
- ⊙ Insulator : Nylon UL 94 V-0 , Color Nature
- ⊙ Terminal : Tin plated Phosphor Bronze

NEW

RoHS Compliant

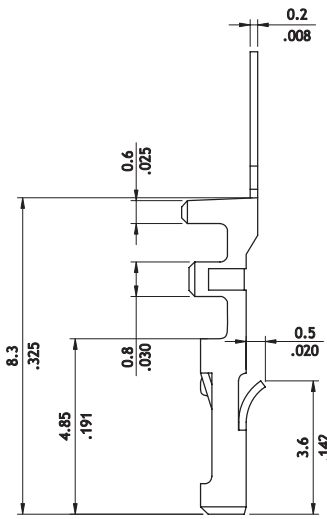
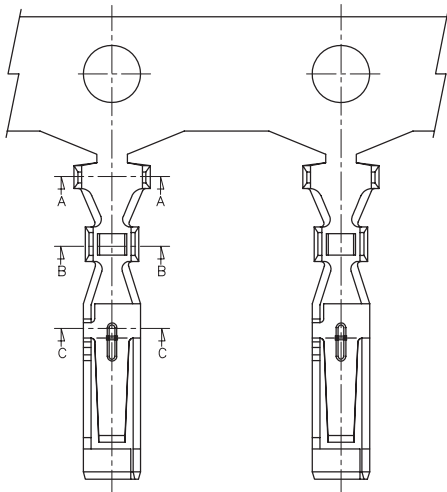


P/N: CIEG**S0000

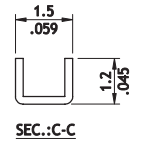
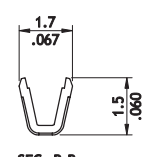
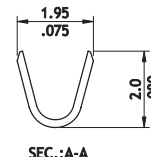


A = 2.0 x No. of Spaces
B = A + 2.6

P/N: CIEGT011PPS



Wire Range	Insulation Diameter	Reel Q'ty
AWG #24-#28	1.15 (.045) MAX.	10,000 PCS.



Ordering Code

① C I E G ② 0 4 ③ S ④ 0 0 0 0

① C I E G ② T 0 1 ③ 1 ④ P ⑤ P S

- ① Series No.
- ② No. of Circuits: 02 ~ 11, 13
- ③ S = Receptacle
- ④ Option: 0000 = Standard

- ① Series No.
- ② No. of Circuits:
- ③ Plating Code: 1 = Matte Tin over Nickel
- ④ Material : P = Phosphor Bronze
- ⑤ Option : PS = Receptacle

CIEG Series 2.00 mm(.079") Single Row Wire to Wire Housing & Terminal

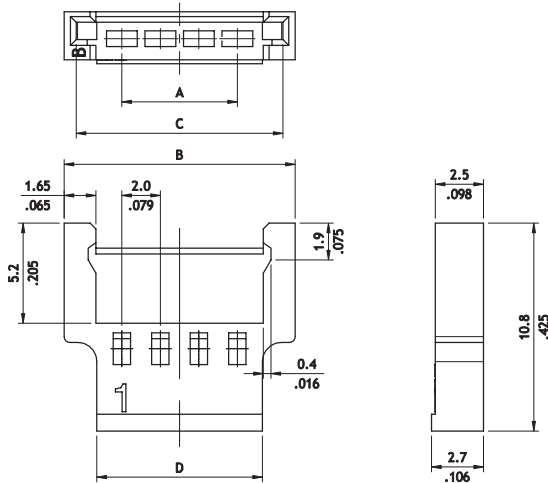
- ⊙ Low profile Housing
- ⊙ Insulator : Nylon UL 94 V-0 , Color Nature
- ⊙ Terminal : Tin plated Phosphor Bronze

NEW

RoHS Compliant

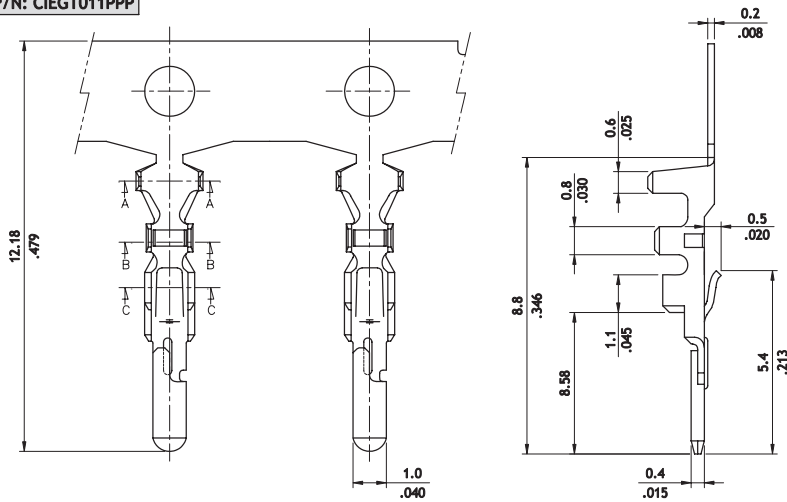


P/N: CIEG**P0000

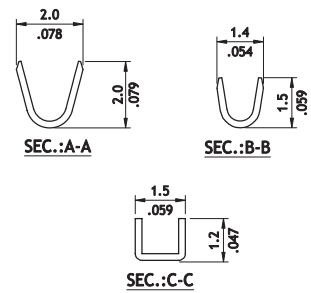


A = 2.0 x No. of Spaces
 B = A + 6.0
 C = A + 4.74
 D = A + 2.6

P/N: CIEGT011PPP



Wire Range	Insulation Diameter	Reel Q'ty
AWG #24-#28	1.15 (.045) MAX.	10,000 PCS.



Ordering Code

① ② ③ ④
C I E G 04 P 0000

① ② ③ ④ ⑤
C I E G T01 1 P PP

- ① Series No.
- ② No. of Circuits : 02~11 , 13
- ③ P = Plug
- ④ Color option: 0000 = Standard

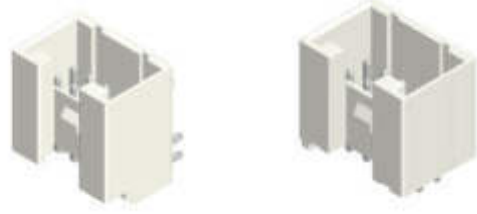
- ① Series No.
- ② Type : T01 = AWG #24 ~#28
- ③ Plating Code: 1 = Matte Tin over Nickel
- ④ Material : P = Phosphor Bronze
- ⑤ PP = Plug

CIE4 Series 2.00 mm(.079") Dual Row Wire to Board DIP Headers

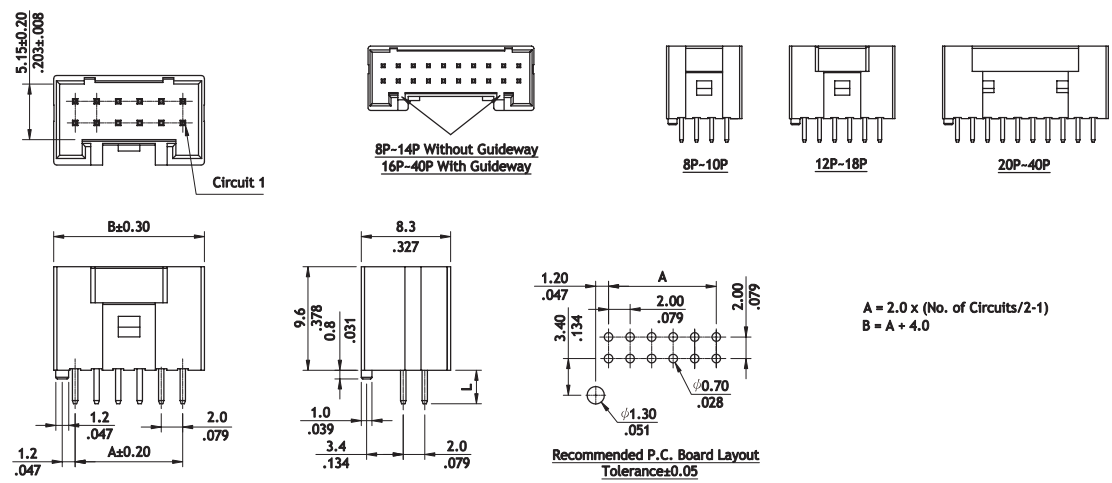
- ⊙ Mate with CIE4 Housing
- ⊙ With lock latch provide mating
- ⊙ Insulator : High temperature plastic UL 94V-0 , Color Nature

NEW

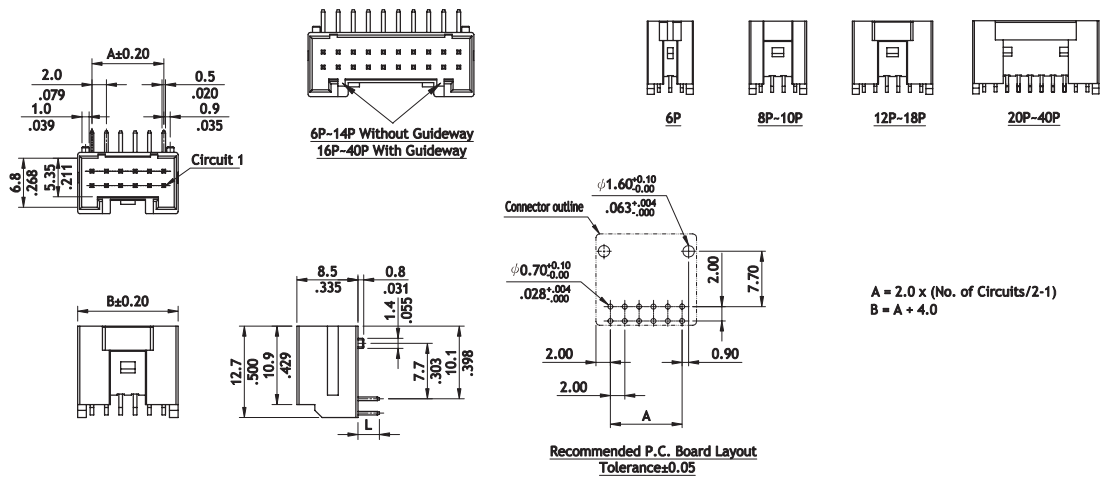
RoHS Compliant



P/N: CIE4P1VD*-LF**



P/N: CIE4P1HD*-LF**



Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
C I E 4 0 8 P 1 V D 0 - L F

- ① Series No.
- ② No. of Circuits : 8~40
- ③ Contact type: P = Pin Header
- ④ Plating Options:
1 = Matte Tin over Nickel
- ⑤ Type : V = Straight
- ⑥ Other option: D = Dual Row
- ⑦ Solder tail length : 0 = Dim L: 2.20mm
1 = Dim L : 3.10mm
2 = Dim L : 3.50mm
- ⑧ LF = For Lead Free Wave Flow Process

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
C I E 4 0 8 P 1 H D 0 - L F

- ① Series No.
- ② No. of Circuits : 6 ~ 40
- ③ Contact type: P = Pin Header
- ④ Plating Options: 1 = Matte Tin over Nickel
- ⑤ Type : H = Right Angle
- ⑥ Other option: D = Dual Row
- ⑦ Solder tail length : 0 = Dim L: 2.20 mm
1 = Dim L : 3.10 mm
2 = Dim L : 3.50 mm
- ⑧ LF = For Lead Free Wave Flow Process

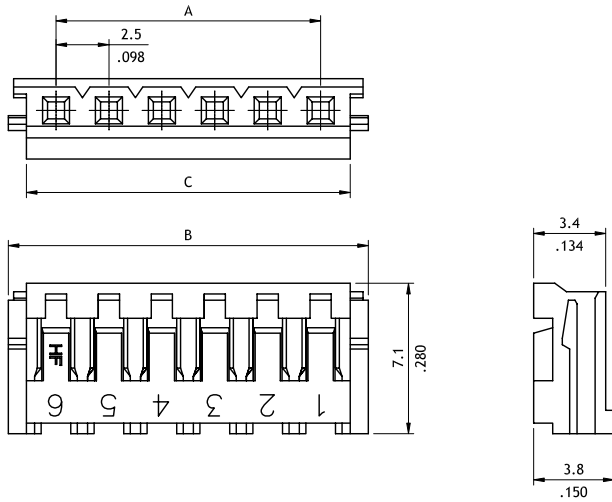
CI21 Series 2.50mm(.098") Wire to Board Connectors Housing & Terminal

- Ⓞ Low profile with locking ribs
- Ⓞ Mate with CI21 header
- Ⓞ Can be used with CI21 crimp clip terminal
- Ⓞ Insulator: Nylon 66 UL 94V-0 , Color Nature
- Ⓞ Terminal: Tin plated Phosphor Bronze

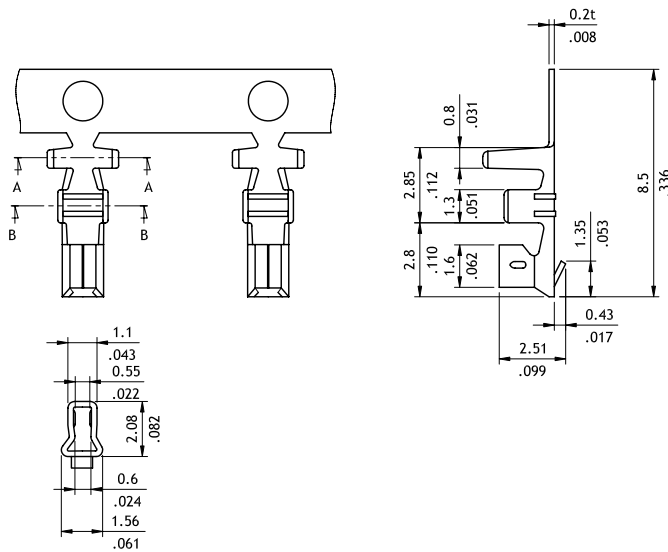


RoHS Compliant  

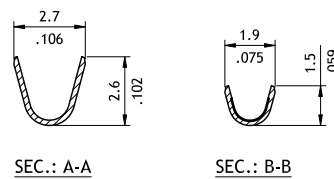
CI



Circuits	Dimension		
	A	B	C
2	2.5(.098)	7.0(.276)	5.4(.213)
3	5.0(.197)	9.5(.374)	7.9(.311)
4	7.5(.295)	12.0(.472)	10.4(.409)
5	10.0(.394)	14.5(.571)	12.9(.508)
6	12.5(.492)	17.0(.669)	15.4(.606)
7	15.0(.591)	19.5(.768)	17.9(.705)
8	17.5(.689)	22.0(.866)	20.4(.803)
9	20.0(.787)	24.5(.965)	22.9(.902)
10	22.5(.886)	27.0(1.063)	25.4(1.000)
11	25.0(.984)	29.5(1.161)	27.9(1.098)
12	27.5(1.083)	32.0(1.260)	30.4(1.197)
13	30.0(1.181)	34.5(1.358)	32.9(1.295)
14	32.5(1.280)	37.0(1.457)	35.4(1.394)
15	35.0(1.378)	39.5(1.555)	37.9(1.492)



Wire Range	Insulation Diameter	Reel Qty
AWG #24-#30	1.9 (.075) MAX.	10,000 PCS.



WIRE TO BOARD CONNECTORS

Ordering Code

① CI21 ② 15 ③ S ④ 0000

① CI21 ② T02 ③ 1 ④ P ⑤ E0

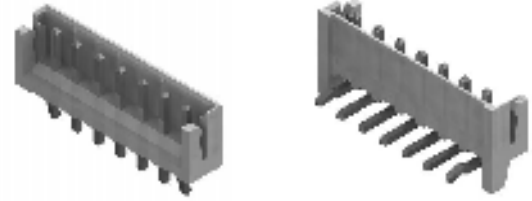
- ① Series No.
- ② No. of Circuits: 02 ~15
- ③ S = Housing
- ④ Other Options: 0000 = Standard
*Special options consult manufacturer

- ① Series No.
- ② Type: T02 = AWG #24 ~ #30
- ③ Plating Code: 1 = Tin over Nickel
- ④ Material: P = Phosphor Bronze
- ⑤ Other Options: E0 = Standard

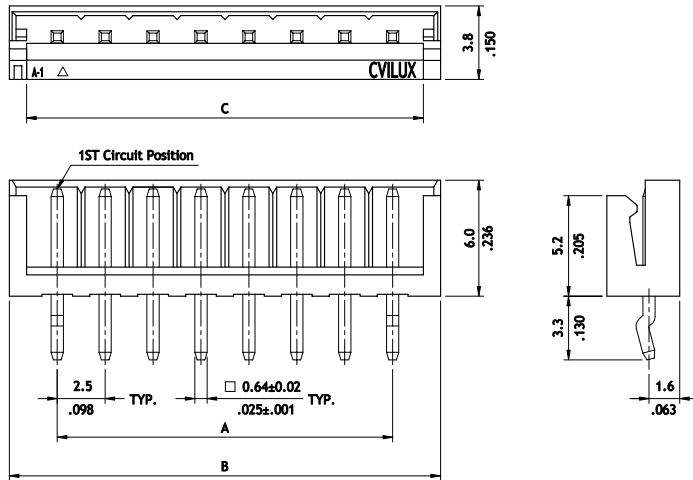
CI21 Series 2.50mm(.098") Wire to Board Connectors DIP Headers

- ⊙ With locking slots and Pin kinked
- ⊙ Mate with CI21 Housing
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nat
- ⊙ With Tin plated 0.64mm square pin

RoHS Compliant

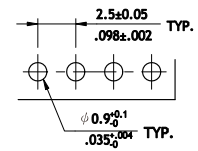
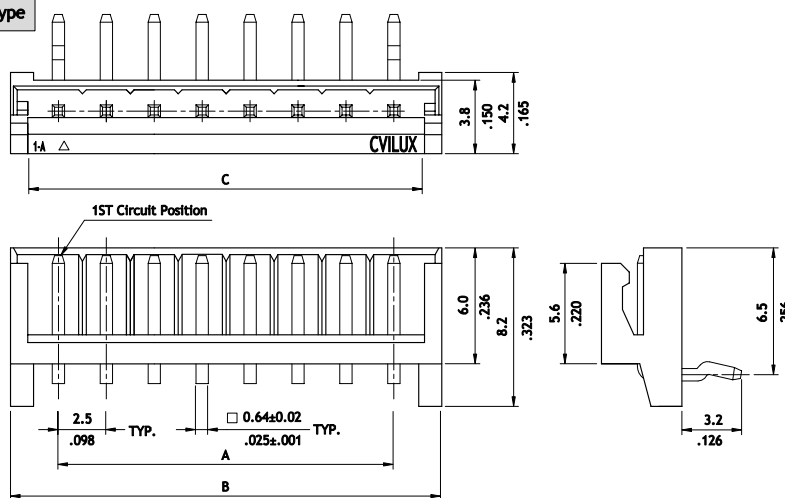


Straight Type



Circuits	Dimension		
	A	B	C
2	2.5(.098)	7.5(.295)	5.7(.224)
3	5.0(.197)	10.0(.394)	8.2(.323)
4	7.5(.295)	12.5(.492)	10.7(.421)
5	10.0(.394)	15.0(.591)	13.2(.520)
6	12.5(.492)	17.5(.689)	15.7(.618)
7	15.0(.591)	20.0(.787)	18.2(.717)
8	17.5(.689)	22.5(.886)	20.7(.815)
9	20.0(.787)	25.0(.984)	23.2(.913)
10	22.5(.886)	27.5(1.083)	25.7(1.012)
11	25.0(.984)	30.0(1.181)	28.2(1.110)
12	27.5(1.083)	32.5(1.280)	30.7(1.209)
13	30.0(1.181)	35.0(1.378)	33.2(1.307)
14	32.5(1.280)	37.5(1.476)	35.7(1.406)
15	35.0(1.378)	40.0(1.575)	38.2(1.504)

Right angle Type



Recommended P.C. Board Layout

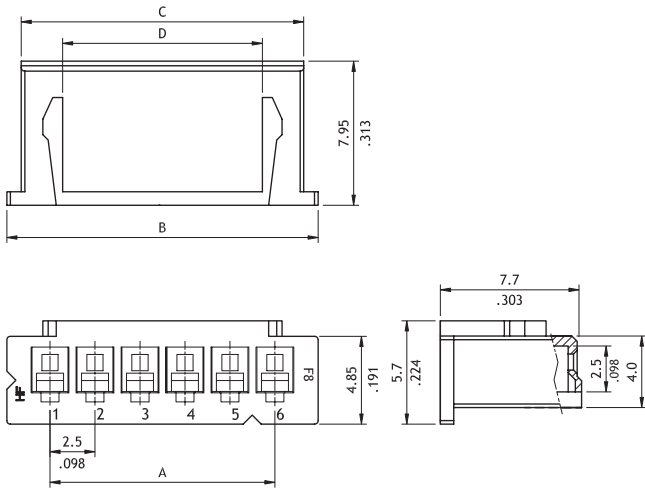
Ordering Code	①	②	③	④	⑤	⑥	⑦
CI21	15	P	1	V	K0	-	NH
<p>① Series No.</p> <p>② No. of Circuits: 02 ~ 15</p> <p>③ P = DIP Type</p> <p>④ Plating Code: 1 = Matte Tin over Nickel</p> <p>⑤ Type : V = Straight H = Right Angle</p>	<p>⑥ Other Options: 00 = Without Pin Kined K0 = With Pin Kinked (Standard)</p> <p>⑦ NH = For Lead Free soldering process and Halogen-Free</p> <p>*Special options consult manufacturer</p>						

CI22 Series 2.50mm(.098") Wire to Board Connectors Housing & Terminal

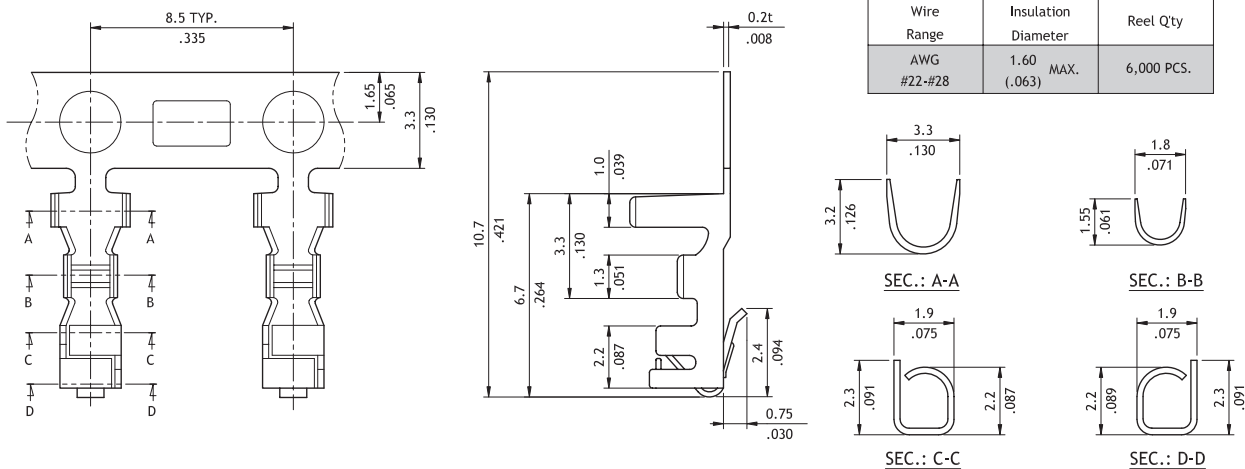
- ⊙ Low profile with locking ribs
- ⊙ Mate with CI22 Header
- ⊙ Can be used with CI22 crimp clip terminal
- ⊙ Insulator: Nylon 66 UL 94V-0, Color Nature
- ⊙ Terminal: Tin plated Brass or Phosphor Bronze



RoHS Compliant



Circuits	Dimension			
	A	B	C	D
2	2.5(.098)	7.3(.287)	5.7(.224)	1.0(.039)
3	5.0(.197)	9.8(.386)	8.2(.323)	3.5(.138)
4	7.5(.295)	12.3(.484)	10.7(.421)	6.0(.236)
5	10.0(.394)	14.8(.583)	13.2(.520)	8.5(.335)
6	12.5(.492)	17.3(.681)	15.7(.618)	11.0(.433)
7	15.0(.591)	19.8(.780)	18.2(.717)	13.5(.531)
8	17.5(.689)	22.3(.878)	20.7(.815)	16.0(.630)
9	20.0(.787)	24.8(.976)	23.2(.913)	18.5(.728)
10	22.5(.886)	27.3(1.075)	25.7(1.012)	21.0(.827)
11	25.0(.984)	29.8(1.173)	28.2(1.110)	23.5(.925)
12	27.5(1.083)	32.3(1.272)	30.7(1.209)	26.0(1.024)
13	30.0(1.181)	34.8(1.370)	33.2(1.307)	28.5(1.122)
14	32.5(1.280)	37.3(1.469)	35.7(1.406)	31.0(1.220)
15	35.0(1.378)	39.8(1.567)	38.2(1.504)	33.5(1.319)
16	37.5(1.476)	42.3(1.665)	40.7(1.602)	36.0(1.417)



Ordering Code

① C I 22 ② 1 5 ③ S ④ 0 0 0 0

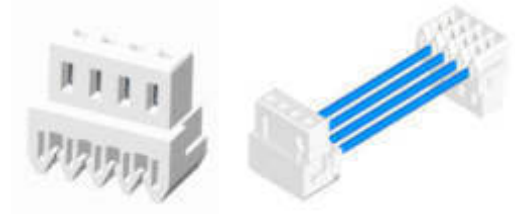
- ① Series No.
- ② No. of Circuits: 02 ~ 16
- ③ S = Housing
- ④ Other Options: 0000 = Standard

① C I 22 ② T 0 2 ③ 1 ④ P ⑤ E 0

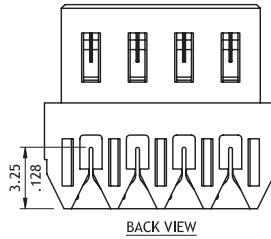
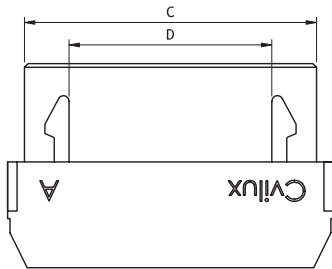
- ① Series No.
- ② Type : T02 = AWG #22~#28
- ③ Plating: 1= Tin over Nickel
- ④ Material : P=Phosphor Bronze
B =Brass
- ⑤ Other options: E0=Standard

CI22 Series 2.50mm(.098") Wire to Board IDC Connectors Housing & IDC Cable

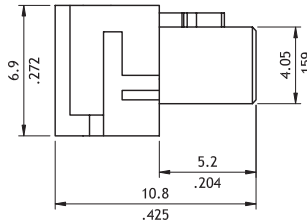
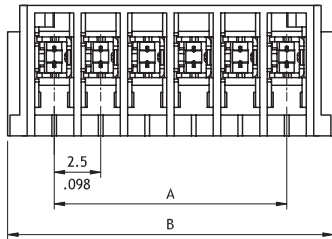
- ⊙ Low profile with locking ribs
- ⊙ Mate with CI22 Header
- ⊙ Insulator: Nylon 66 UL 94V-0, Color Nature
- ⊙ Terminal: Tin plated Phosphor Bronze



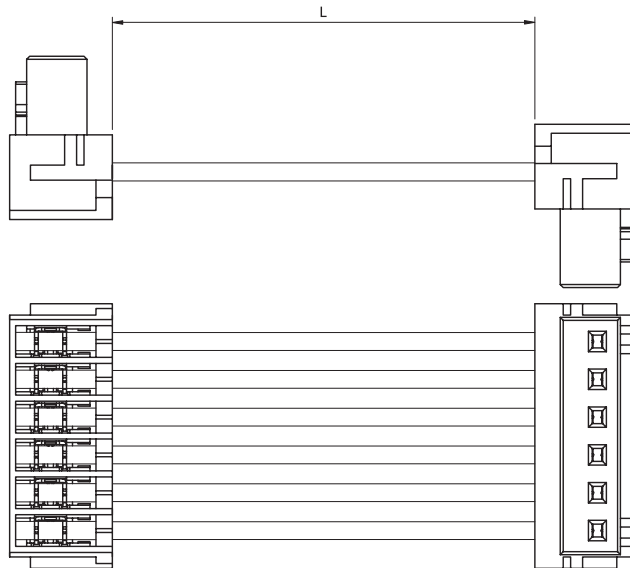
P/N CI22**S1000-NH



Wire Range	Insulation Diameter
AWG #24,#28	1.5 (.059) MAX.



A = 2.5 x No. of Spaces
 B = A + 2.5
 C = A + 3.2
 D = A - 1.6



Ordering Code

① C ② I ③ 2 ④ 2 ⑤ 1 ⑥ S ⑦ 1 ⑧ 0 ⑨ 0 ⑩ 0 - ⑪ NH

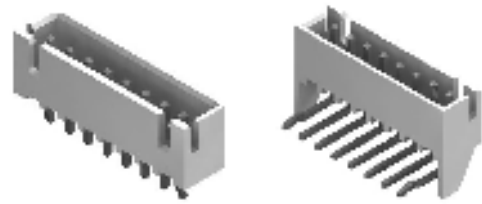
- ① Series No.
- ② No. of Circuits: 02 ~ 15
- ③ S = Housing
- ④ Plating Code:
1 = Matte Tin over Nickel
- ⑤ 0 = For AWG 28 , 1 = For AWG 24
- ⑥ Other Options: 00 = Standard
- ⑦ NH = For Lead Free and Halogen-Free

① QH ② - I ③ 2 ④ 0 ⑤ 6 ⑥ 0 ⑦ 1 ⑧ 0 ⑨ 0 ⑩ 0 ⑪ 0

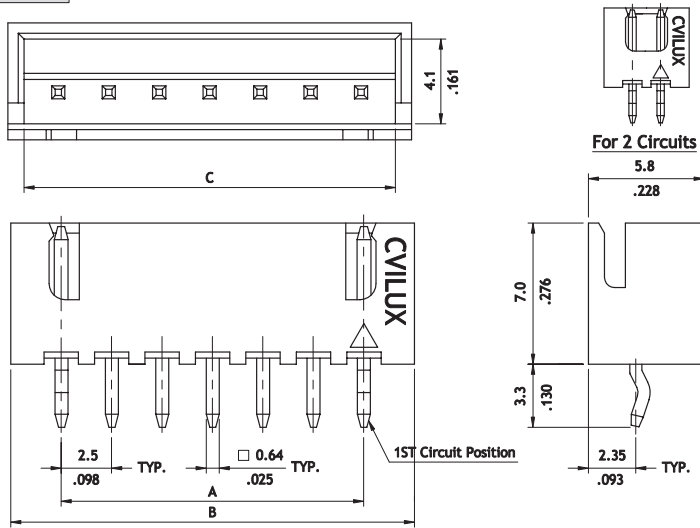
- ① Series No.
- ② No. of Circuits: 2~15
- ③ L =Length : 40~1000 mm(0100=100 mm)
- ④ Wire Color : 00 = All pin counts of White Color
01 =All pin counts of Black Color
02 =All pin counts of Brown Color
- ⑤ Other Options: 0 = Standard

CI22 Series 2.50mm(.098") Wire to Board Connectors DIP Headers

- ⊙ With locking slot and Pin Kinked
- ⊙ Mate with CI22 housing
- ⊙ Insulator: High temperature plastic UL 94V-0 , Color Nature
- ⊙ With Tin plated 0.64mm square pin

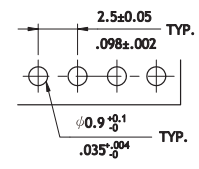
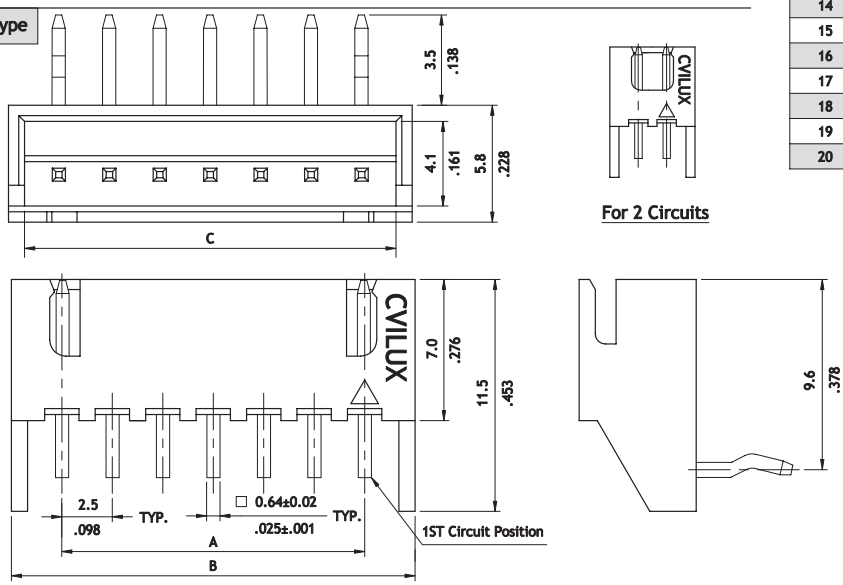


Straight Type



Circuits	Dimension		
	A	B	C
2	2.5(.098)	7.5(.295)	6.0(.236)
3	5.0(.197)	10.0(.394)	8.5(.335)
4	7.5(.295)	12.5(.492)	11.0(.433)
5	10.0(.394)	15.0(.591)	13.5(.531)
6	12.5(.492)	17.5(.689)	16.0(.630)
7	15.0(.591)	20.0(.787)	18.5(.728)
8	17.5(.689)	22.5(.886)	21.0(.827)
9	20.0(.787)	25.0(.984)	23.5(.925)
10	22.5(.886)	27.5(1.083)	26.0(1.024)
11	25.0(.984)	30.0(1.181)	28.5(1.122)
12	27.5(1.083)	32.5(1.280)	31.0(1.220)
13	30.0(1.181)	35.0(1.378)	33.5(1.319)
14	32.5(1.280)	37.5(1.476)	36.0(1.417)
15	35.0(1.378)	40.0(1.575)	38.5(1.516)
16	37.5(1.476)	42.5(1.673)	41.0(1.614)
17	40.0(1.575)	45.0(1.772)	43.5(1.713)
18	42.5(1.673)	47.5(1.870)	46.0(1.811)
19	45.0(1.772)	50.0(1.969)	48.5(1.909)
20	47.5(1.870)	52.5(2.067)	51.0(2.008)

Right angle Type



Recommended P.C. Board Layout

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦
CI22 20 P 1 V K0 - NH

- ① Series No.
- ② No. of Circuits: 02 ~ 20
- ③ P = DIP Type
- ④ Plating Code: 1 = Matte Tin over Nickel
- ⑤ Type: V = Straight
H = Right Angle
- ⑥ Other Options : 00 = Without Pin Kinked
K0 = With Pin Kinked (Standard)
- ⑦ NH = For Lead Free soldering process and Halogen-Free

*Special options consult manufacturer

CI

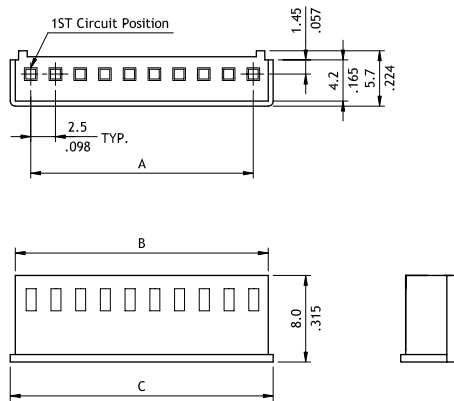
WIRE TO BOARD CONNECTORS

CI23 Series 2.50mm(.098") Wire to Board Connectors Housing & Terminal

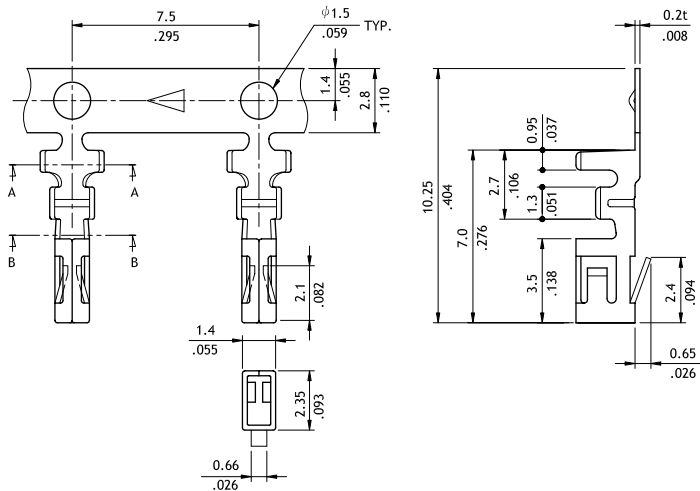
- ⊙ Low profile with locking tab
- ⊙ Mate with CI23 header
- ⊙ Can be used with CI23 crimp clip terminal
- ⊙ Terminal accommodated AWG #22 ~ #28
- ⊙ Insulator: Nylon 66 UL 94V-2 , Color Ivory
- ⊙ Terminal: Tin plated Phosphor Bronze



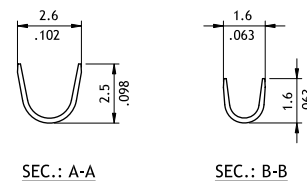
RoHS Compliant



Circuits	Dimension		
	A	B	C
2	2.5(.098)	6.0(.236)	7.2(.283)
3	5.0(.197)	8.5(.335)	9.7(.382)
4	7.5(.295)	11.0(.433)	12.2(.480)
5	10.0(.394)	13.5(.531)	14.7(.579)
6	12.5(.492)	16.0(.630)	17.2(.677)
7	15.0(.591)	18.5(.728)	19.7(.776)
8	17.5(.689)	21.0(.827)	22.2(.874)
9	20.0(.787)	23.5(.925)	24.7(.972)
10	22.5(.886)	26.0(1.024)	27.2(1.071)
11	25.0(.984)	28.5(1.122)	29.7(1.169)
12	27.5(1.083)	31.0(1.220)	32.2(1.268)



Wire Range	Insulation Diameter	Reel Q'ty
AWG #22-#28	1.9 (.075) MAX.	8,000 PCS



Ordering Code

① C I 23 ② 1 2 ③ S ④ 0 0 0 0

- ① Series No.
- ② No. of Circuits: 02 ~ 12
- ③ S = Housing
- ④ Other Options: 0000 = Standard
*Special options consult manufacturer

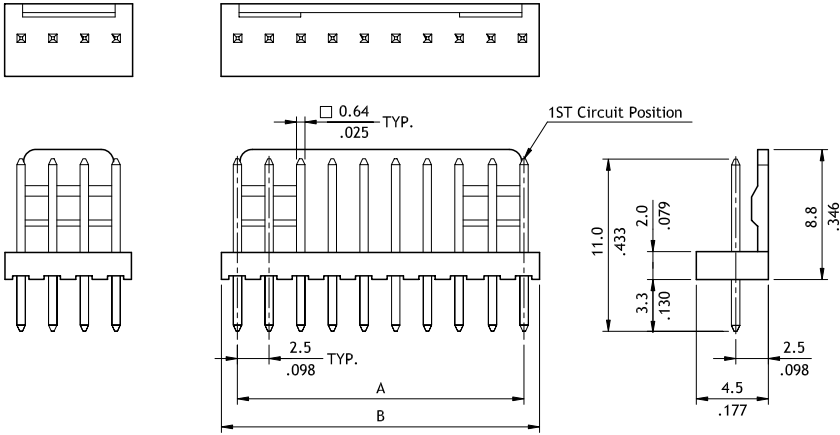
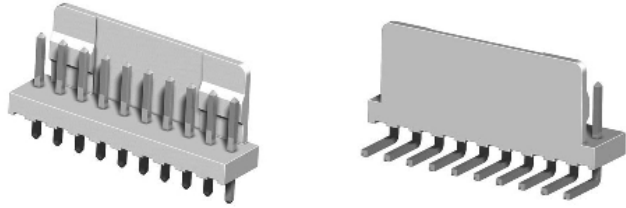
① C I 23 ② T 0 2 ③ 1 ④ P ⑤ E 0

- ① Series No.
- ② Type: T02 = AWG #22 ~ #28
- ③ Plating Code: 1 = Tin over Nickel
- ④ Material: P = Phosphor Bronze
- ⑤ Other Options: E0 = Standard

CI23 Series 2.50mm(.098") Wire to Board Connectors DIP Headers

- ⊙ With locking wall
- ⊙ Mate with CI23 Housing
- ⊙ Insulator: Nylon 66 UL 94V-2, Color Ivory
- ⊙ With Tin plated 0.64mm square pin

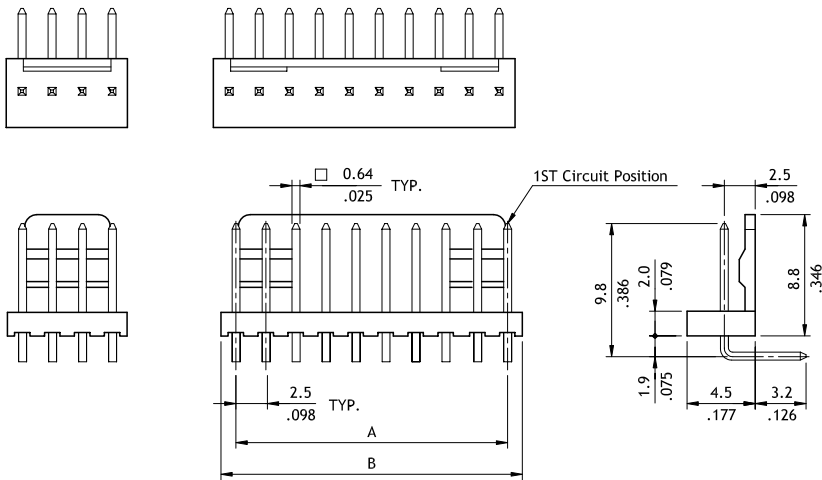
RoHS Compliant  



(2 Through 5 Circuits)

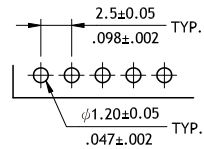
(6 Through 12 Circuits)

Circuits	Dimension	
	A	B
2	2.5(.098)	5.0(.197)
3	5.0(.197)	7.5(.295)
4	7.5(.295)	10.0(.394)
5	10.0(.394)	12.5(.492)
6	12.5(.492)	15.0(.591)
7	15.0(.591)	17.5(.689)
8	17.5(.689)	20.0(.787)
9	20.0(.787)	22.5(.886)
10	22.5(.886)	25.0(.984)
11	25.0(.984)	27.5(1.083)
12	27.5(1.083)	30.0(1.181)



(2 Through 5 Circuits)

(6 Through 12 Circuits)



Recommended P.C. Board Layout

Ordering Code

① ② ③ ④ ⑤ ⑥
C I 23 12 P 1 V 0 0

- ① Series No.
- ② No. of Circuits: 02 ~ 12
- ③ P = DIP Type
- ④ Plating Code : 1 = Tin over Nickel

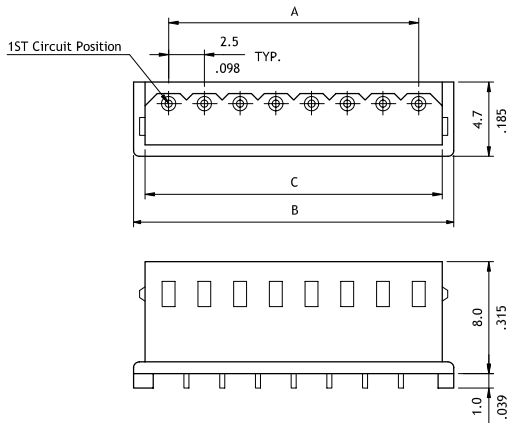
- ⑤ Type: V = Straight
H = Right Angle
- ⑥ Other Options: 00 = Standard
*Special options consult manufacturer

CI25 Series 2.50mm(.098") Wire to Board Connectors Housing & Terminal

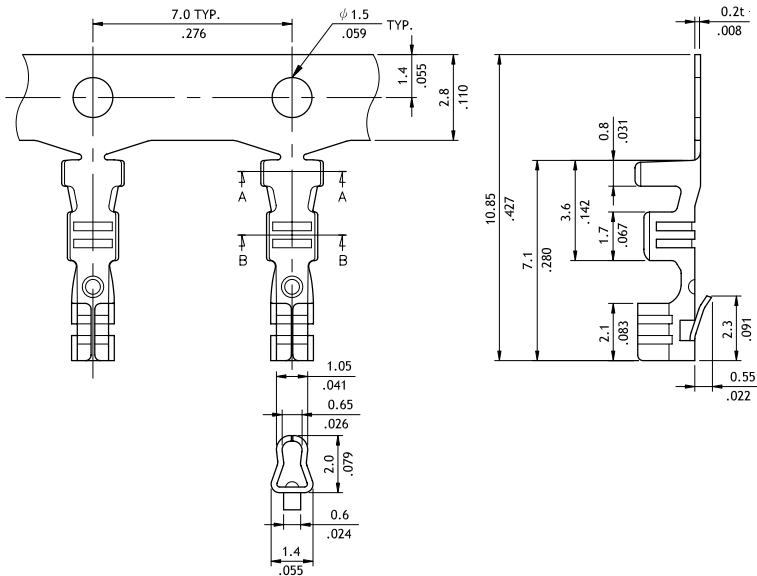
- ⊙ Low profile with locking ribs
- ⊙ Mate with CI25 header
- ⊙ Can be used with CI25 crimp clip terminal
- ⊙ Terminal accommodated AWG #22 ~ #28
- ⊙ Insulator: Nylon 66 UL 94V-0 , Color Ivory
- ⊙ Terminal: Tin plated Phosphor Bronze



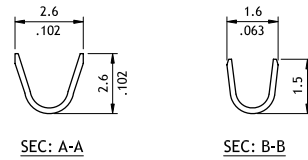
RoHS Compliant



Circuits	Dimension		
	A	B	C
2	2.5(.098)	7.4(.291)	5.8(.228)
3	5.0(.197)	9.9(.390)	8.3(.327)
4	7.5(.295)	12.4(.488)	10.8(.425)
5	10.0(.394)	14.9(.587)	13.3(.524)
6	12.5(.492)	17.4(.685)	15.8(.622)
7	15.0(.591)	19.9(.783)	18.3(.720)
8	17.5(.689)	22.4(.882)	20.8(.819)
9	20.0(.787)	24.9(.980)	23.3(.917)
10	22.5(.886)	27.4(1.079)	25.8(1.016)
11	25.0(.984)	29.9(1.177)	28.3(1.114)
12	27.5(1.083)	32.4(1.276)	30.8(1.213)
13	30.0(1.181)	34.9(1.374)	33.3(1.311)
14	32.5(1.280)	37.4(1.472)	35.8(1.409)
15	35.0(1.378)	39.9(1.571)	38.3(1.508)



Wire Range	Insulation Diameter	Reel Qty
AWG #22-#28	1.6 (.063) MAX.	10,000 PCS.



Ordering Code

① C I 25 ② 1 2 ③ S ④ 0 0 0 0

- ① Series No.
- ② No. of Circuits: 02 ~ 15
- ③ S = Housing
- ④ Other Options: 0000 = Standard
- *Special options consult manufacturer

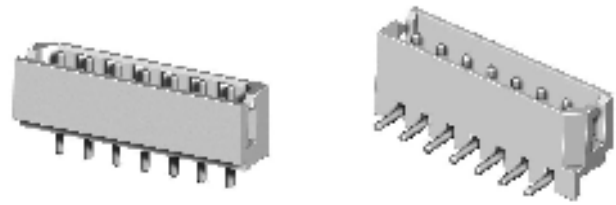
① C I 2 5 ② T 0 2 ③ 1 ④ P ⑤ E 0

- ① Series No.
- ② Type: T02 = AWG #22 ~ #28
- ③ Plating Code: 1 = Tin over Nickel
- ④ Material: P = Phosphor Bronze
- ⑤ Other Options: E0 = Standard

CI25 Series 2.50mm(.098") Wire to Board Connectors DIP Headers

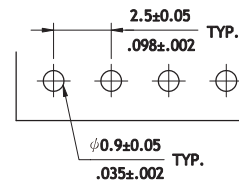
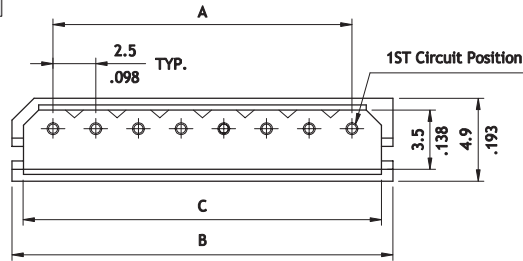
- ⊙ With locking slot
- ⊙ Mate with CI25 housing
- ⊙ Insulator: Polyamide UL 94V-0 , Color Ivory
- ⊙ With Tin plated 0.7mm round pin

RoHS Compliant

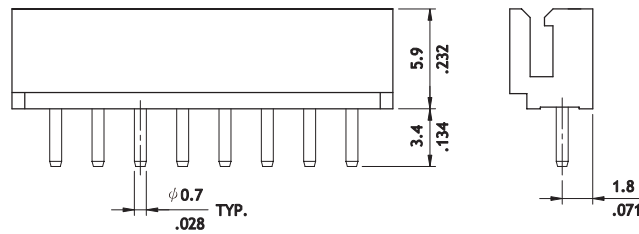


CI

Straight Type

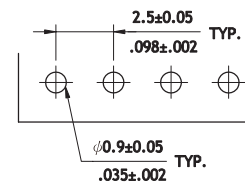
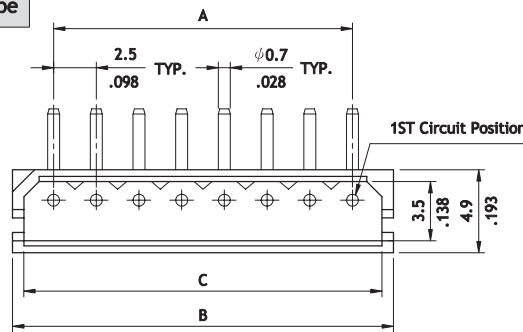


Recommended P.C. Board Layout

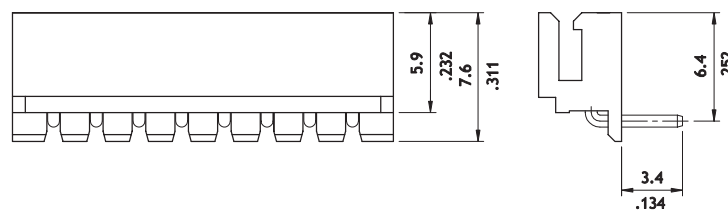


A = 2.5 x No. of Spaces
 B = A + 5.0
 C = A + 3.6

Right angle Type



Recommended P.C. Board Layout



A = 2.5 x No. of Spaces
 B = A + 5.0
 C = A + 3.6

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦
CI25 12 P 1 V 00 - NH

- ① Series No.
- ② No. of Circuits: 02 ~ 15
- ③ P = DIP Type
- ④ Plating Code: 1 = Matte Tin over Nickel
- ⑤ Type : V = Straight
H = Right Angle
- ⑥ Other Options:
00 = Standard
*Special options consult manufacturer
- ⑦ NH = For Lead Free soldering process and Halogen-Free

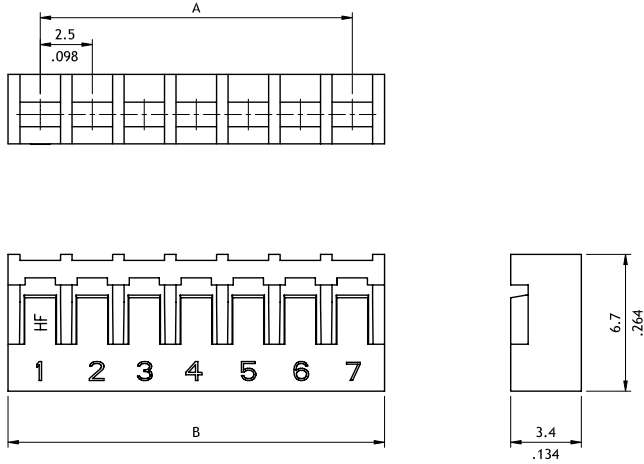
WIRE TO BOARD CONNECTORS

CI26 Series 2.50mm(.098") Board In Connectors

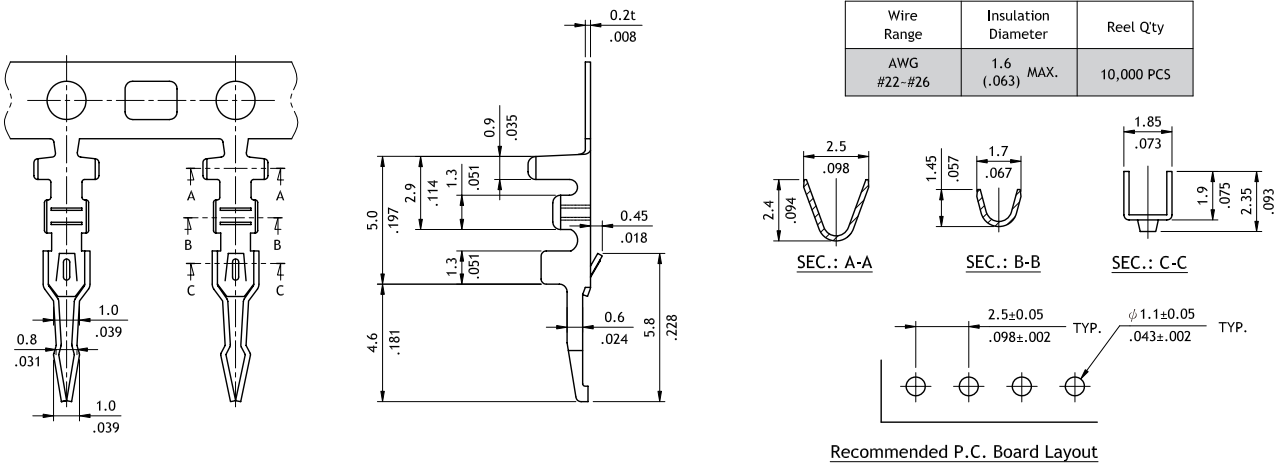
- ⊙ Low profile with locking ribs
- ⊙ Can be used with CI26 Board in terminal
- ⊙ Terminal accommodated AWG #22 ~ #26
- ⊙ Insulator: Nylon 66 UL 94V-0 , Color Ivory
- ⊙ Terminal: Tin plated Phosphor Bronze



RoHS Compliant



Circuits	Dimension	
	A	B
2	2.5(.098)	5.6(.220)
3	5.0(.197)	8.1(.389)
4	7.5(.295)	10.6(.417)
5	10.0(.394)	13.1(.516)
6	12.5(.492)	15.6(.614)
7	15.0(.591)	18.1(.713)
8	17.5(.689)	20.6(.811)
9	20.0(.787)	23.1(.909)
10	22.5(.886)	25.6(1.008)
11	25.0(.984)	28.1(1.106)
12	27.5(1.083)	30.6(1.205)
13	30.0(1.181)	33.1(1.303)
14	32.5(1.280)	35.6(1.402)
15	35.0(1.378)	38.1(1.598)
16	37.5(1.476)	40.6(1.598)



Ordering Code

① C I 26 ② 1 6 ③ S ④ 0 0 0 0

- ① Series No.
- ② No. of Circuits: 02 ~ 16
- ③ S = Housing
- ④ Other Options: 0000 = Standard
*Special options consult manufacturer

① C I 2 6 ② T 0 2 ③ 1 ④ P ⑤ E 0

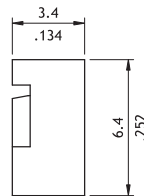
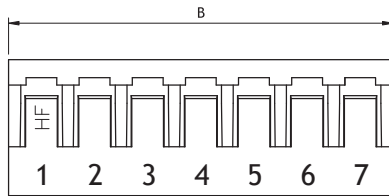
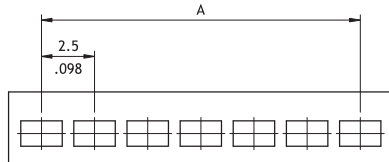
- ① Series No.
- ② Type: T02 = AWG #22 ~ #26
- ③ Plating Code: 1 = Tin over Nickel
- ④ Material: P = Phosphor Bronze
- ⑤ Other Options: E0 = Standard

CI27 Series 2.50mm(.098") Board In Connectors

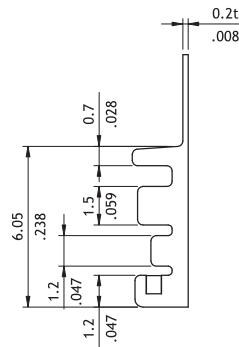
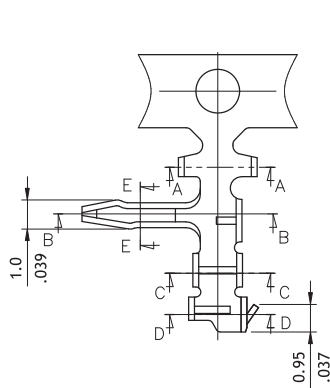
- ⊙ Low profile with locking ribs
- ⊙ Can be used with CI27 Crimp Board in Terminal
- ⊙ Terminal accommodated AWG #22 ~ #26
- ⊙ Insulator: Nylon 66 UL 94V-0, Color Nature
- ⊙ Terminal: Tin plated Phosphor Bronze



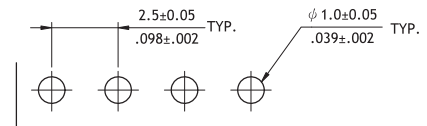
RoHS Compliant



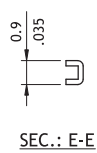
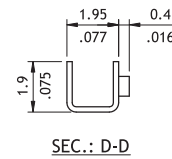
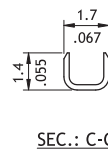
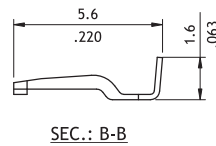
Circuits	Dimension	
	A	B
2	2.5(.098)	5.7(.224)
3	5.0(.197)	8.2(.323)
4	7.5(.295)	10.7(.421)
5	10.0(.394)	13.2(.520)
6	12.5(.492)	15.7(.618)
7	15.0(.591)	18.2(.717)
8	17.5(.689)	20.7(.815)
9	20.0(.787)	23.2(.913)
10	22.5(.886)	25.7(1.012)
11	25.0(.984)	28.2(1.110)
12	27.5(1.083)	30.7(1.209)
13	30.0(1.181)	33.2(1.307)
14	32.5(1.280)	35.7(1.406)
15	35.0(1.378)	38.2(1.504)
16	37.5(1.476)	40.6(1.598)



Wire Range	Insulation Diameter	Reel Qty
AWG #22-#26	1.6 (.063) MAX.	7,000 PCS



Recommended PCB Layout



Ordering Code

① C I 27 ② 1 6 ③ S ④ 0 0 0 0

① C I 2 7 ② T 0 2 ③ 1 ④ P ⑤ E H

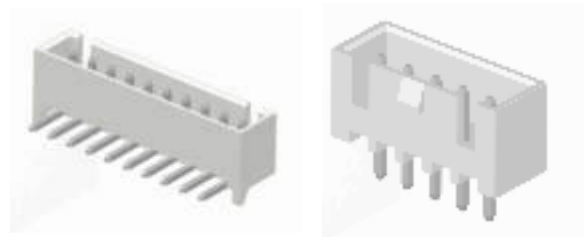
- ① Series No.
- ② No. of Circuits: 02 ~ 16
- ③ S = Housing
- ④ Other Options: 0000 = Standard
*Special options consult manufacturer

- ① Series No.
- ② Type: T02 = AWG #22 ~ #26
- ③ Plating Code: 1 = Tin over Nickel
- ④ Material: P = Phosphor Bronze
- ⑤ Other Options: EH = Right Angle Terminal

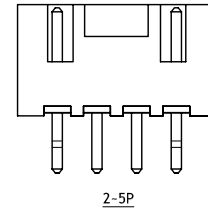
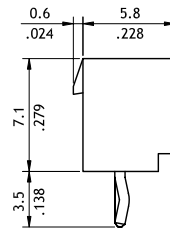
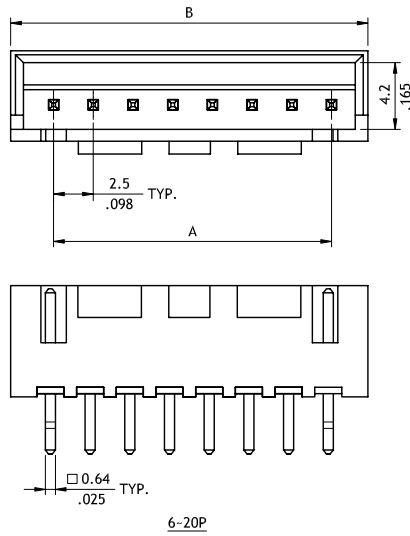
CI30 Series 2.50mm (.098") Wire to Board Connectors DIP Header

- ⊙ With locking wall
- ⊙ Insulation: Nylon 66 UL 94V-0 , Color Nature

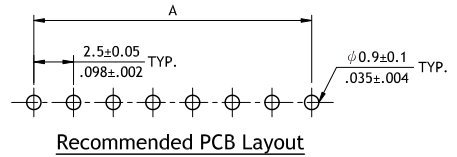
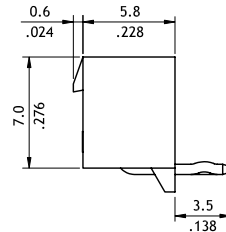
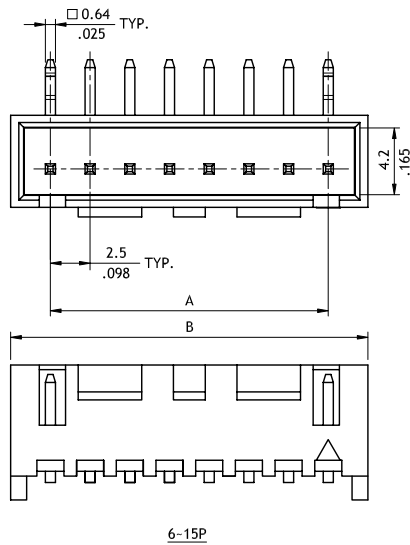
RoHS Compliant



Top entry



Side entry



A = 2.50 x No. of Spaces
B = A + 5.0

Ordering Code

① ② ③ ④ ⑤ ⑥
C I 30 02 P 1 V K0 -A

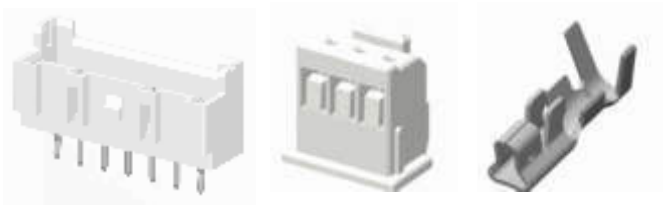
- ① Series No.
- ② No. of Circuits: 02~16
- ③ P= DIP Header
- ④ Plating Code :1 = Tin over Nickel

- ⑤ Contact Type :
V= Straight
H= Right Angle
- ⑥ Option : K0 = Standard (With Pin Kinked)

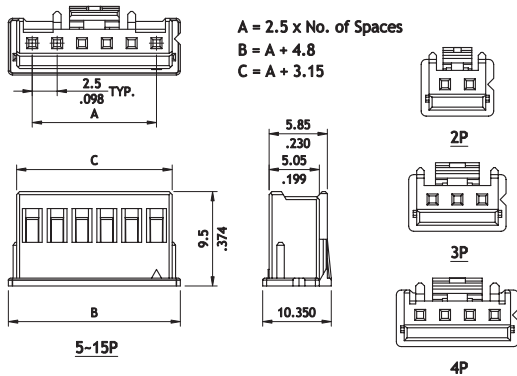
CI60 Series 2.50mm (.098") Wire to Board Connectors DIP Header&Housing

- With locking wall
- Insulation: Nylon 66 UL 94V-0 , Color Nature

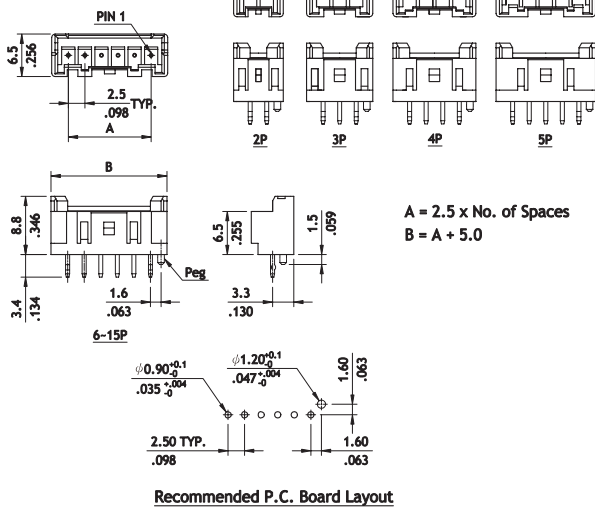
RoHS Compliant



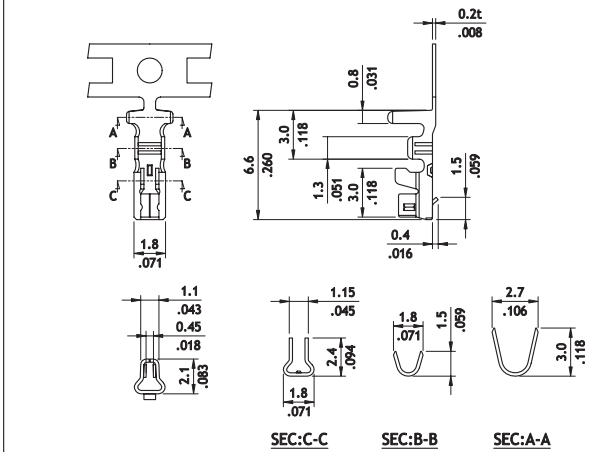
P/N CI60**SL000



P/N CI60**P1VK0

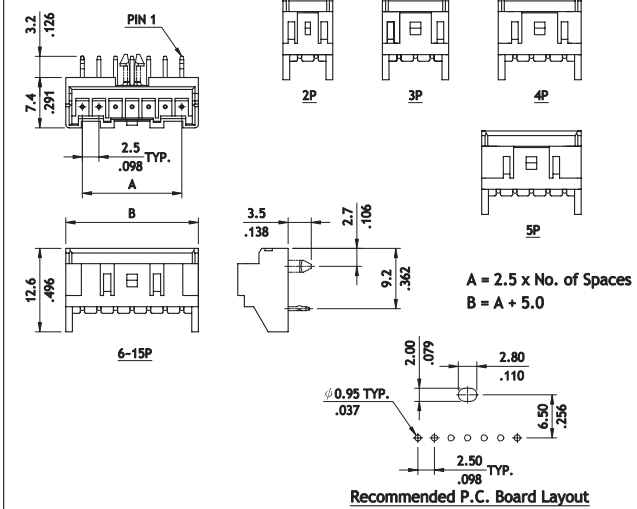


P/N CI60T021PE0



Wire Range	Insulation Diameter	Reel Qty	Material
AWG #22-#28	1.90 (.075) MAX.	8,000 PCS	Phosphor Bronze

P/N CI60**P1HK0



Ordering Code

① C ② 15 ③ S ④ L ⑤ 000

- ① Series No.
- ② No. of Circuits: 02 ~ 15
- ③ S = Housing
- ④ L=With Locking Latch
- ⑤ Option: 000=Standard (Color Nature)

① C ② 15 ③ P ④ 1 ⑤ V ⑥ K0

- ① Series No.
- ② No. of Circuits: 02 ~ 15
- ③ P = Pin Header
- ④ Plating : 1= Tin over Nickel
- ⑤ Type : V = Straight Type
H =Right Angle
- ⑥ Other Option: K0= With Pin Kinked

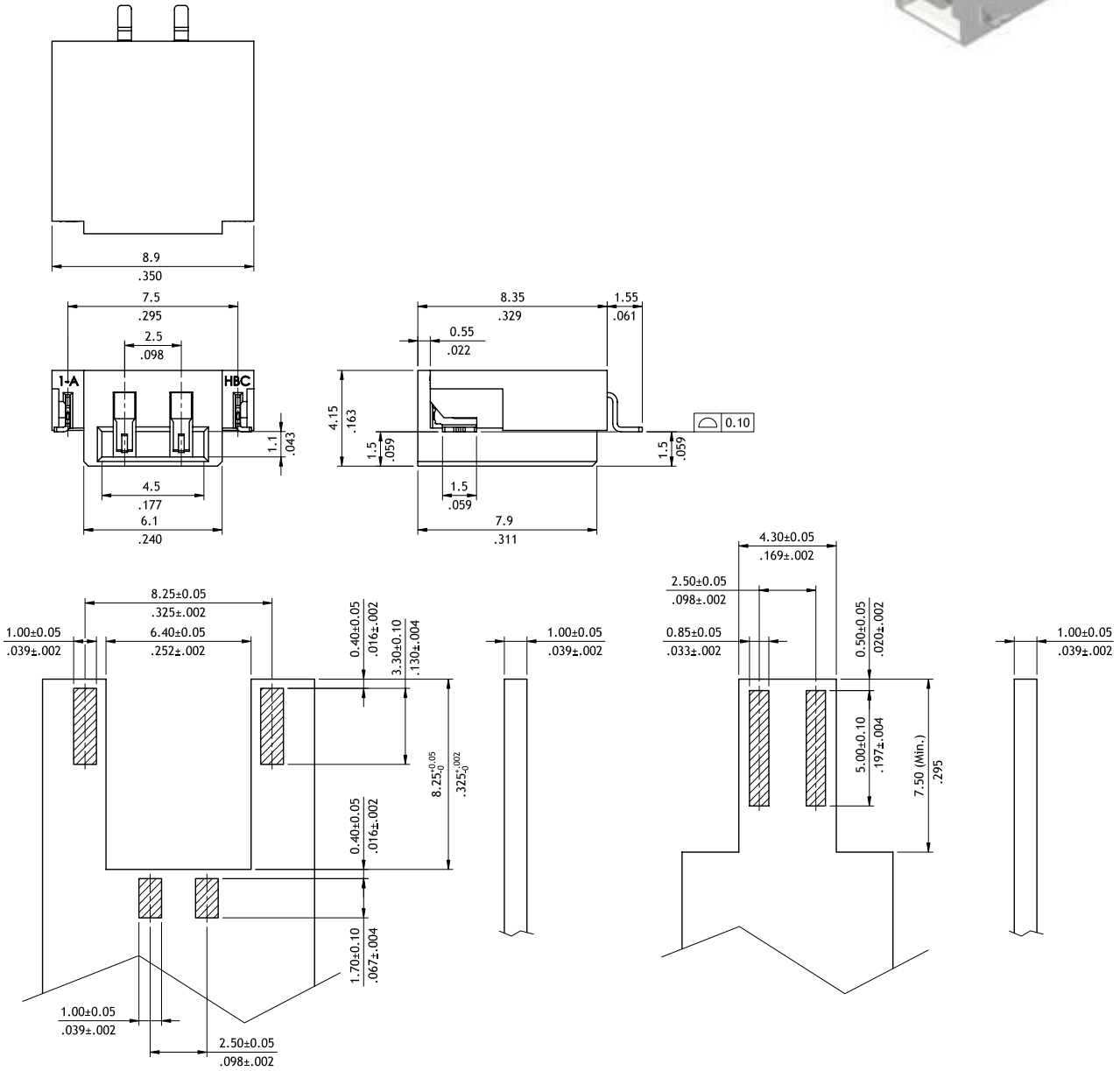
CI

WIRE TO BOARD CONNECTORS

CIL4 Series 2.5mm(.098") Wire to Board Connectors SMT Headers

⊙ With PAD for SMT Line pick and place machine

RoHS Compliant



Recommended Connector P.C.B Layout

Recommended Light Bar PCB Layout

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
C I L 4 0 2 M 1 H R 0 - N H

- ① Series No.
- ② No. of Circuits: 02
- ③ M = SMT Type
- ④ Plating Code:
1 = Matte Tin over Nickel

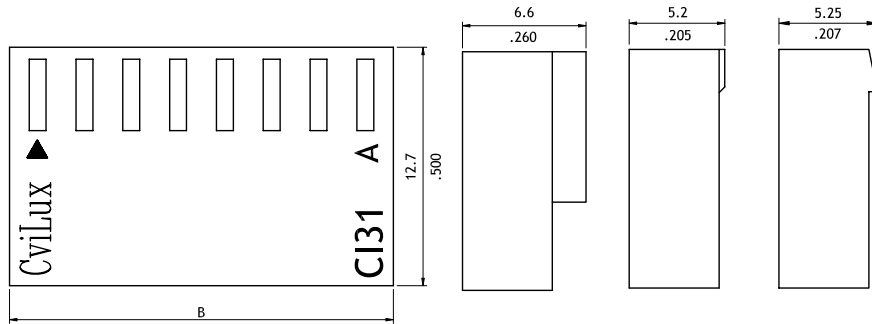
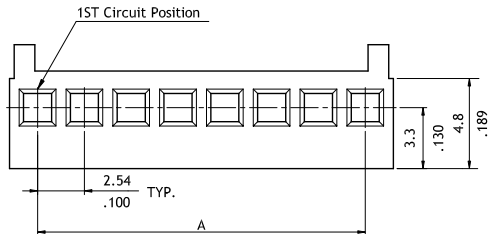
- ⑤ Type: H = Side Entry
- ⑥ Packing Options:
R=Tape & Reel
- ⑦ Options: 0 = Standard
- ⑧ NH = For Lead Free IR process and Halogen-Free

CI31 Series 2.54mm(.100") Wire to Board Connectors Housing & Terminal

- ⊙ With locking ramps and ribs
- ⊙ Mate with CI31, CH31, CI83 header
- ⊙ Can be used with CI31 crimp clip terminal
- ⊙ Insulator: Nylon 66 UL 94V-2, Color Ivory
- ⊙ Terminal: Tin plated Brass or Phosphor Bronze

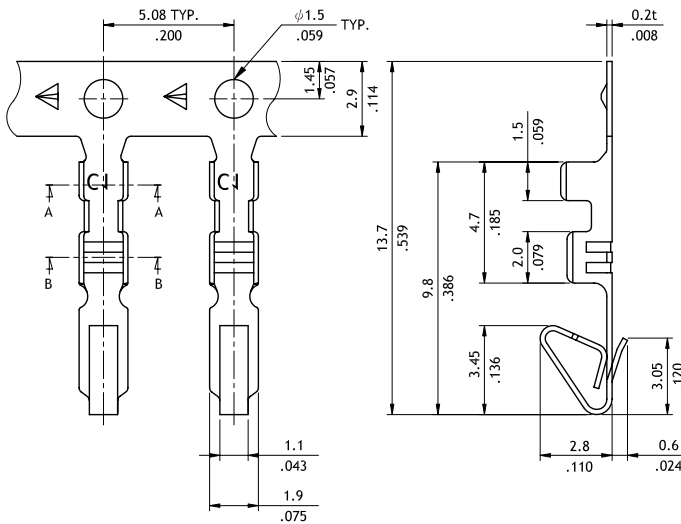


RoHS Compliant

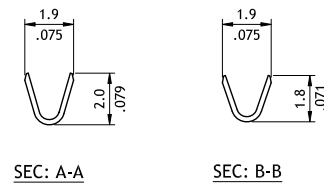


P/N:CI31**S0000 P/N:CI31**SNP00 P/N:CI31**S00R0

Circuits	Dimension	
	A	B
2	2.54(.100)	5.6(.220)
3	5.08(.200)	8.1(.319)
4	7.62(.300)	10.7(.421)
5	10.16(.400)	13.2(.520)
6	12.70(.500)	15.8(.622)
7	15.24(.600)	18.3(.720)
8	17.78(.700)	20.8(.819)
9	20.32(.800)	23.4(.921)
10	22.86(.900)	25.9(1.020)
11	25.40(1.000)	28.5(1.122)
12	27.94(1.100)	31.0(1.220)
13	30.48(1.200)	33.5(1.319)
14	33.02(1.300)	36.1(1.421)
15	35.56(1.400)	38.6(1.520)
16	38.10(1.500)	41.2(1.622)
17	40.64(1.600)	43.7(1.720)
18	43.18(1.700)	46.2(1.819)
19	45.72(1.800)	48.8(1.921)
20	48.26(1.900)	51.3(2.020)



Wire Range	Insulation Diameter	Reel Qty
AWG #22-#28	1.5 (.059) MAX.	10,000 PCS.



Ordering Code

① C I 3 1 ② 2 0 ③ S ④ 0 0 0 0

- ① Series No.
- ② No. of Circuits: 02 ~ 20
- ③ S = Housing
- ④ Other Options:
 - 0000 = With Polarizing Ribs (Long)
 - 00R0 = With Polarizing Ribs (Short)
 - NP00 = Without Polarizing Rib
 - *Special options consult manufacturer

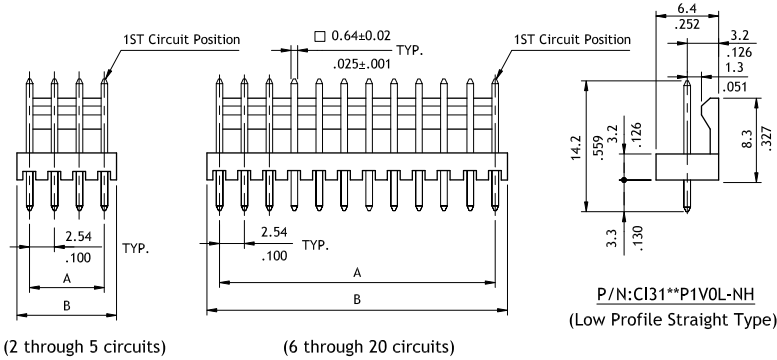
① C I 3 1 ② T 0 2 ③ 1 ④ B ⑤ E 0

- ① Series No.
- ② Type: T02 = AWG #22 ~ #28
- ③ Plating Code: 1 = Tin over Nickel
- ④ Material : B = Brass
P = Phosphor Bronze
- ⑤ Other Options: E0 = Standard

CI31 Series 2.54mm(.100") Wire to Board Connectors DIP Headers

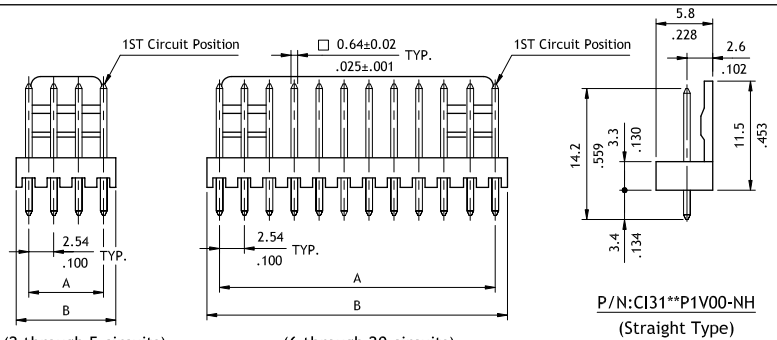
- ⊙ With locking ramps and ribs
- ⊙ Mate with CI31 Housing
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ Terminal: Matte Tin plated Brass

RoHS Compliant



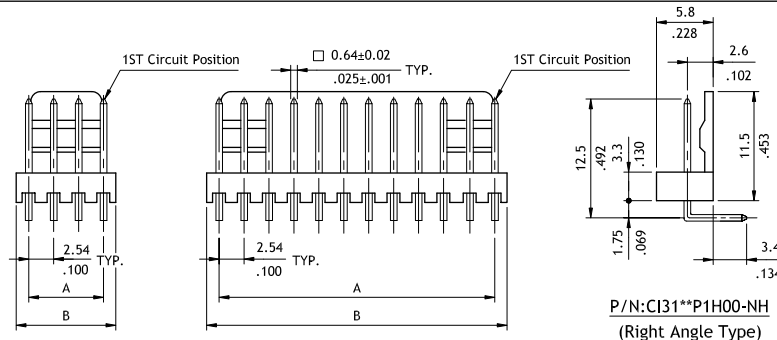
(2 through 5 circuits)

(6 through 20 circuits)



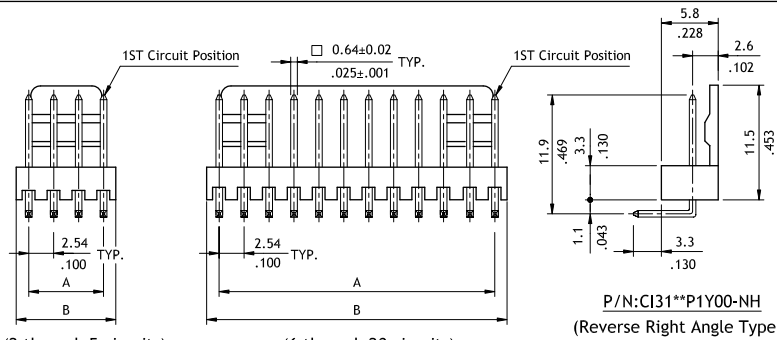
(2 through 5 circuits)

(6 through 20 circuits)



(2 through 5 circuits)

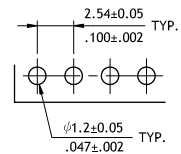
(6 through 20 circuits)



(2 through 5 circuits)

(6 through 20 circuits)

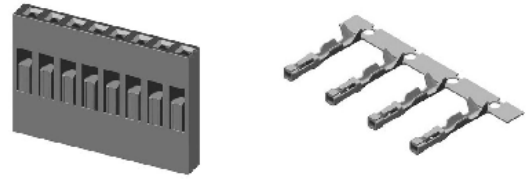
Circuits	Dimension	
	A	B
2	2.54(.100)	5.1(.201)
3	5.08(.200)	7.6(.299)
4	7.62(.300)	10.2(.402)
5	10.16(.400)	12.7(.500)
6	12.70(.500)	15.2(.598)
7	15.24(.600)	17.8(.701)
8	17.78(.700)	20.3(.799)
9	20.32(.800)	22.9(.902)
10	22.86(.900)	25.4(1.000)
11	25.40(1.000)	27.9(1.098)
12	27.94(1.100)	30.5(1.201)
13	30.48(1.200)	33.0(1.299)
14	33.02(1.300)	35.6(1.402)
15	35.56(1.400)	38.1(1.500)
16	38.10(1.500)	40.6(1.598)
17	40.64(1.600)	43.2(1.701)
18	43.18(1.700)	45.7(1.799)
19	45.72(1.800)	48.3(1.902)
20	48.26(1.900)	50.8(2.000)



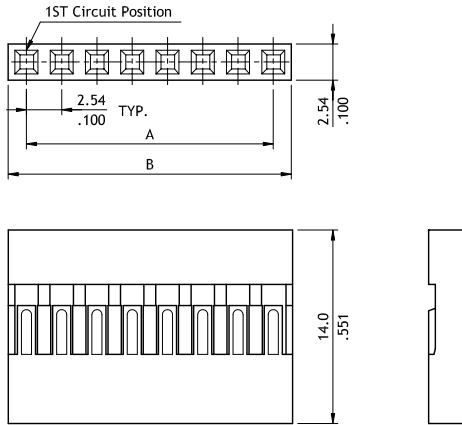
Recommended PCB Layout

CI32 Series 2.54mm(.100") Wire to Board Connectors Housing & Terminal

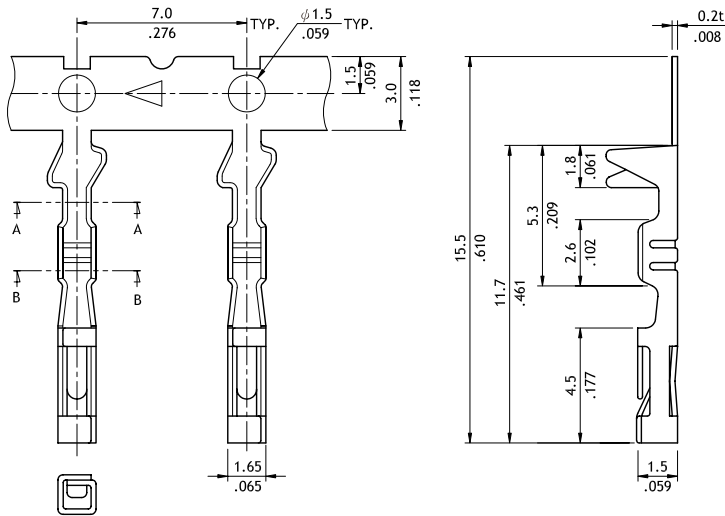
- ⊙ Mate with CH31, CH34 Header
- ⊙ Can be used with CI32 crimp clip terminal
- ⊙ Insulator: Nylon 66 UL 94V-1, Color Black
- ⊙ Terminal: Tin or Gold flash plated Brass or Phosphor Bronze



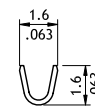
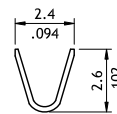
RoHS Compliant



Circuits	Dimension		Circuits	Dimension	
	A	B		A	B
1	----	2.8(.110)	21	50.80(2.000)	53.6(2.110)
2	2.54(.100)	5.3(.209)	22	53.34(2.100)	56.2(2.213)
3	5.08(.200)	7.8(.307)	23	55.88(2.200)	58.7(2.311)
4	7.62(.300)	10.4(.410)	24	58.42(2.300)	61.3(2.413)
5	10.16(.400)	12.9(.508)	25	60.96(2.400)	63.8(2.512)
6	12.70(.500)	15.4(.606)	26	63.50(2.500)	66.3(2.610)
7	15.24(.600)	18.0(.709)	27	66.04(2.600)	68.9(2.713)
8	17.78(.700)	20.5(.807)	28	68.58(2.700)	71.4(2.811)
9	20.32(.800)	23.1(.909)	29	71.12(2.800)	74.0(2.913)
10	22.86(.900)	25.6(1.008)	30	73.66(2.900)	76.5(3.012)
11	25.40(1.000)	28.1(1.106)	31	76.20(3.000)	79.0(3.110)
12	27.94(1.100)	30.7(1.209)	32	78.74(3.100)	81.6(3.213)
13	30.48(1.200)	33.2(1.307)	33	81.28(3.200)	84.1(3.311)
14	33.02(1.300)	35.8(1.409)	34	83.82(3.300)	86.7(3.413)
15	35.56(1.400)	38.3(1.508)	35	86.36(3.400)	89.2(3.512)
16	38.10(1.500)	40.8(1.606)	36	88.90(3.500)	91.7(3.610)
17	40.64(1.600)	43.4(1.709)	37	91.44(3.600)	94.3(3.713)
18	43.18(1.700)	45.9(1.807)	38	93.98(3.700)	96.8(3.811)
19	45.72(1.800)	48.5(1.909)	39	96.52(3.800)	99.4(3.913)
20	48.26(1.900)	51.1(2.012)	40	99.06(3.900)	101.9(4.012)



Wire Range	Insulation Diameter	Reel Qty
AWG #22-#28	1.7 (.067) MAX.	10,000 PCS



Ordering Code

① ② ③ ④
C I 3 2 4 0 S 0 0 1 0

① ② ③ ④ ⑤
C I 3 2 T 0 2 A B E 0

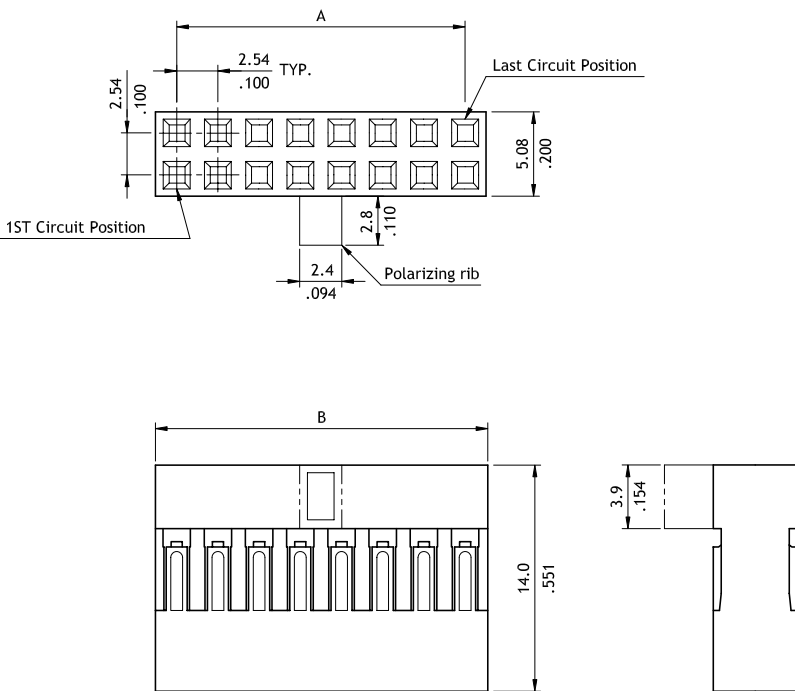
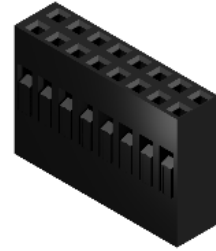
- ① Series No.
- ② No. of Circuits: 01 ~ 40
- ③ S = Housing
- ④ Other Options : 0010 = Color Black
*Special options consult manufacturer

- ① Series No.
- ② Type: T02 = AWG #22 ~ #28
- ③ Plating Code:
1 = Tin over Nickel
A = Selective Gold flash over Nickel
- ④ Material: B = Brass ; P =Phosphor Bronze
- ⑤ Other Options:E0 = Standard

CI34 Series 2.54mm(.100") Dual Row Wire to Board Connectors Housing

- ⊙ With polarizing rib
- ⊙ Mate with CH81, CH84, and CH87 Header
- ⊙ Can be used with CI32 crimp clip terminal
- ⊙ Insulator: Nylon 66 UL 94V-1, Color Black

RoHS Compliant



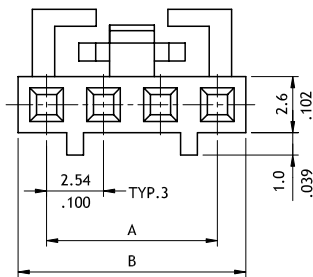
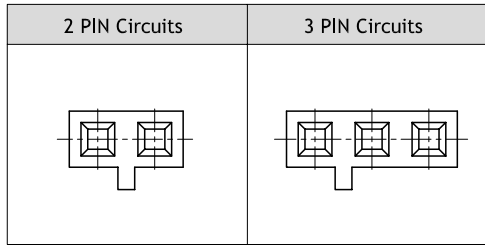
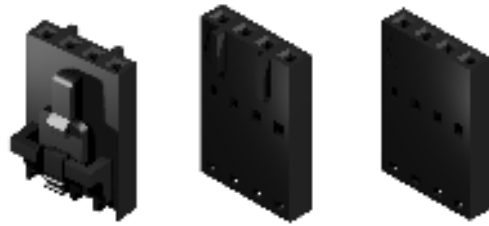
Circuits	Dimension	
	A	B
4	2.54(.100)	5.1(.201)
6	5.08(.200)	7.6(.299)
8	7.62(.300)	10.2(.402)
10	10.16(.400)	12.7(.500)
12	12.70(.500)	15.2(.598)
14	15.24(.600)	17.8(.701)
16	17.78(.700)	20.3(.799)
18	20.32(.800)	22.9(.902)
20	22.86(.900)	25.4(1.000)
22	25.40(1.000)	27.9(1.098)
24	27.94(1.100)	30.5(1.201)
26	30.48(1.200)	33.0(1.299)
28	33.02(1.300)	35.6(1.402)
30	35.56(1.400)	38.1(1.500)
32	38.10(1.500)	40.6(1.598)
34	40.64(1.600)	43.2(1.701)
36	43.18(1.700)	45.7(1.799)
38	45.72(1.800)	48.3(1.902)
40	48.26(1.900)	50.8(2.000)

Ordering Code	①	②	③	④
C I 3 4	4 0	S	0 0 1 0	
<p>① Series No.</p> <p>② No. of Circuits: 04 ~ 40</p> <p>③ S = Housing</p> <p>④ Other Options: 0010 = Color Black, Without Polarizing Rib 001A = Color Black, With Polarizing Rib *Special options consult manufacturer</p>				

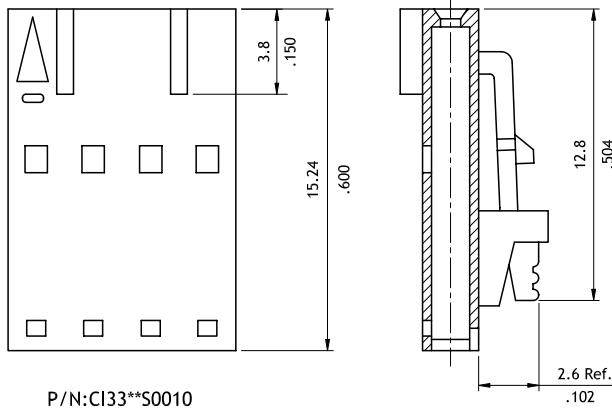
CI33 Series 2.54mm(.100") Single Row Wire to Board Connectors Housing

- ⊙ With positive locking ribs and latch
- ⊙ Mate with CI33 Headers
- ⊙ Can be used with CI33 crimp clip terminal
- ⊙ Insulator: Glass filled polyester UL 94V-0, Color Black

RoHS Compliant 



Circuits	Dimension	
	A	B
2	2.54(.100)	5.2(.205)
3	5.08(.200)	7.7(.303)
4	7.62(.300)	10.3(.406)
5	10.16(.400)	12.8(.504)
6	12.70(.500)	15.2(.598)
7	15.24(.600)	17.9(.705)
8	17.78(.700)	20.4(.803)
9	20.32(.800)	23.0(.906)
10	22.86(.900)	25.5(1.004)
11	25.40(1.000)	28.0(1.102)
12	27.94(1.100)	30.6(1.205)
13	30.48(1.200)	33.1(1.303)
14	33.02(1.300)	35.7(1.406)
15	35.56(1.400)	38.2(1.504)
16	38.10(1.500)	40.7(1.602)
17	40.64(1.600)	43.3(1.705)
18	43.18(1.700)	45.8(1.803)



P/N:CI33**S0010

Ordering Code

① ② ③ ④
C I 3 3 1 8 S 0 0 1 0

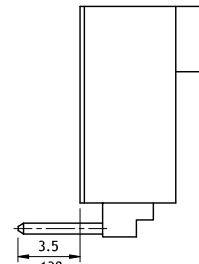
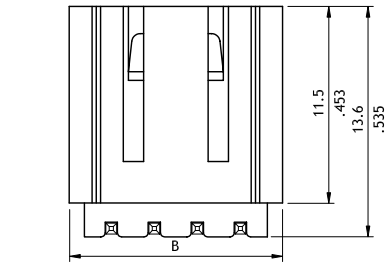
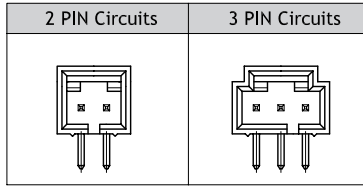
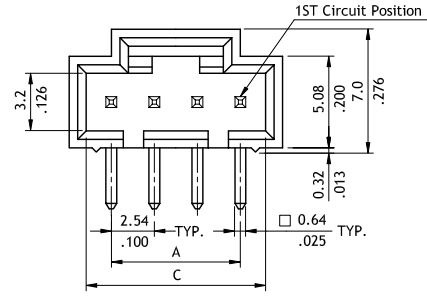
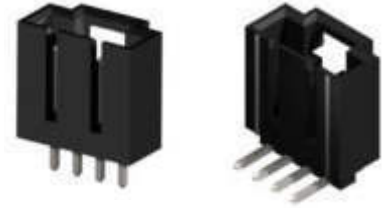
- ① Series No.
- ② No. of Circuits: 02 ~ 18

- ③ Type:S00 = With latch and locking ribs
- ④ Other Options
10 = Color Black (Standard)

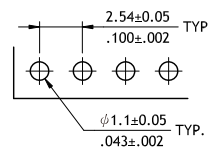
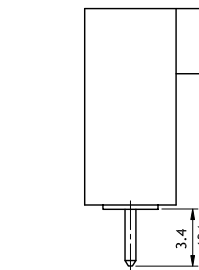
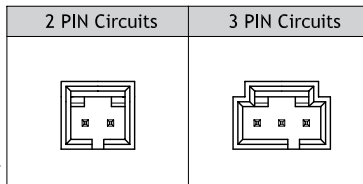
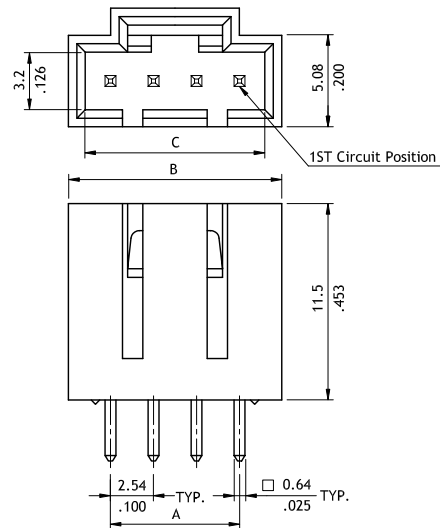
CI33 Series 2.54mm(.100") Single Row Wire to Board DIP Headers

- ⊙ Box type with locking slot
- ⊙ Mate with CI33 Single Row Housing
- ⊙ Insulator: Glass filled polyester UL 94V-0, Color Black
- ⊙ With Tin plated 0.64mm square pin

RoHS Compliant



Circuits	Dimension		
	A	B	C
2	2.54(.100)	7.64(.301)	5.52(.217)
3	5.08(.200)	10.18(.401)	8.06(.317)
4	7.62(.300)	12.72(.501)	10.6(.417)
5	10.16(.400)	15.26(.601)	13.14(.517)
6	12.7(.500)	17.8(.701)	15.68(.617)
7	15.24(.600)	20.34(.801)	18.22(.717)
8	17.78(.700)	22.88(.901)	20.76(.817)
9	20.32(.800)	25.42(1.000)	23.3(.917)
10	22.86(.900)	27.96(1.101)	25.84(1.017)
11	25.4(1.000)	30.5(1.201)	28.38(1.117)
12	27.94(1.100)	33.04(1.301)	30.92(1.217)
13	30.48(1.200)	35.58(1.401)	33.46(1.317)
14	33.02(1.300)	38.12(1.501)	36.0(1.417)
15	35.56(1.400)	40.66(1.601)	38.54(1.517)
16	38.1(1.500)	43.2(1.701)	41.08(1.617)
17	40.64(1.600)	45.74(1.801)	43.62(1.717)
18	43.18(1.700)	48.28(1.901)	46.16(1.817)



Recommended P.C. Board Layout

Ordering Code

① ② ③ ④ ⑤ ⑥
C I 3 3 1 8 P 1 V 1 0

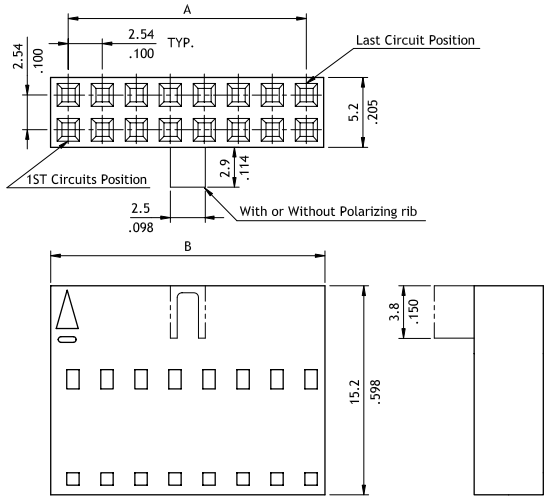
- ① Series No.
- ② No. of Circuits: 02 ~ 18
- ③ P = DIP Header
- ④ Plating Code:
 1 = Tin over Nickel
 2 = Gold flash over Nickel
- ⑤ Type: V = Straight
 H = Right Angle
- ⑥ Other Options:
 10 = Color Black (Standard)
 *Special options consult manufacturer

CI33 Series 2.54mm(.100") Dual Row Wire to Board Connectors

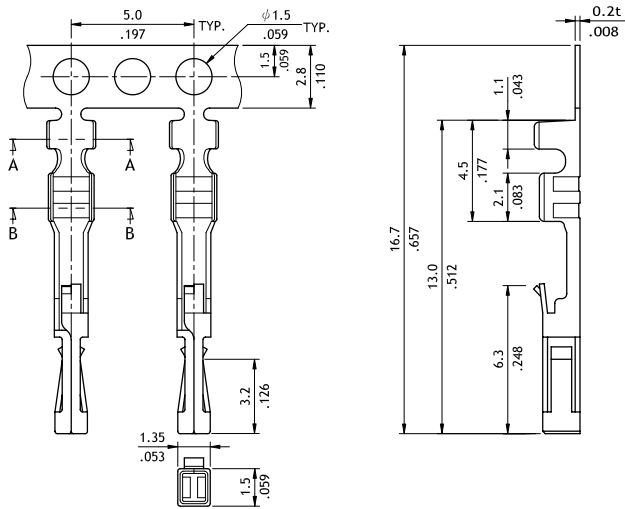
- ⊙ With positive locking latch
- ⊙ Mate with CH81, CH84, and CH87 Header
- ⊙ Can be used with CI33 crimp clip terminal
- ⊙ Insulator: Glass filled polyester UL 94V-0, Color Black
- ⊙ With Tin plated Phosphor Bronze



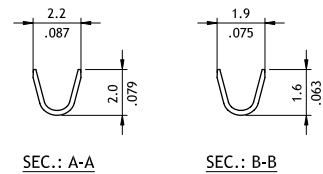
RoHS Compliant



Circuits	Dimension		Circuits	Dimension	
	A	B		A	B
4	2.54(.100)	5.2(.205)	34	40.64(1.600)	43.3(1.705)
6	5.08(.200)	7.7(.303)	36	43.18(1.700)	45.9(1.807)
8	7.62(.300)	10.3(.406)	38	45.72(1.800)	48.4(1.906)
10	10.16(.400)	12.8(.504)	40	48.26(1.900)	50.9(2.004)
12	12.7(.500)	15.4(.606)	42	50.8(2.000)	53.5(2.106)
14	15.24(.600)	17.9(.705)	44	53.34(2.100)	56.0(2.205)
16	17.78(.700)	20.5(.807)	46	55.88(2.200)	58.6(2.307)
18	20.32(.800)	23.0(.906)	48	58.42(2.300)	61.1(2.406)
20	22.86(.900)	25.5(1.004)	50	60.96(2.400)	63.6(2.504)
22	25.4(1.000)	28.1(1.106)	52	63.5(2.500)	66.2(2.606)
24	27.94(1.100)	30.6(1.205)	54	66.04(2.600)	68.7(2.705)
26	30.48(1.200)	33.2(1.307)	56	68.58(2.700)	71.3(2.807)
28	33.02(1.300)	35.7(1.406)	58	71.12(2.800)	73.8(2.906)
30	35.56(1.400)	38.2(1.504)	60	73.66(2.900)	76.3(3.006)
32	38.1(1.500)	40.8(1.606)			



Wire Range	Insulation Diameter	Reel Q'ty
AWG #22-#28	1.7 (.067) MAX.	15,000 PCS.



Ordering Code

① ② ③ ④
C I 3 3 6 0 S 0 D 1 0

① ② ③ ④ ⑤
C I 3 3 T 0 2 1 P E 0

- ① Series No.
- ② No. of Circuits: 04 ~ 60
- ③ S = Housing
- ④ Other Options:
 OD10 = Without Polarizing Rib (04~60 Pin)
 OD1A = With Polarizing Rib (04,06,10,12,16,24,30 Pin)
 *Special options consult manufacturer

- ① Series No.
- ② Type: T02 = AWG #22 ~ #28
- ③ Plating Code: 1 = Tin over Nickel
- ④ Material: P = Phosphor Bronze
- ⑤ Other Options: E0 = Standard

CI

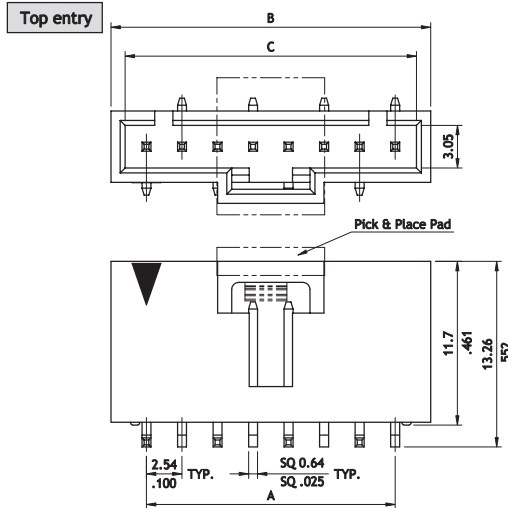
WIRE TO BOARD CONNECTORS

CI33 Series 2.54mm(.100") Single Row Wire to Board SMT Headers

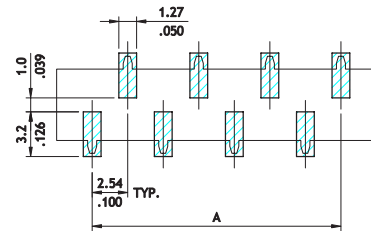
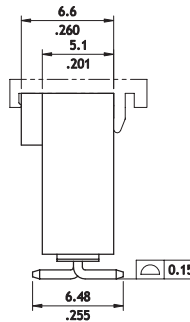
- ⊙ With positive locking latch
- ⊙ Mate with CH81, CH84, and CH87 Header
- ⊙ Can be used with CI33 crimp clip terminal
- ⊙ Insulator: Glass filled polyester UL 94V-0, Color Black
- ⊙ With Tin plated Phosphor Bronze



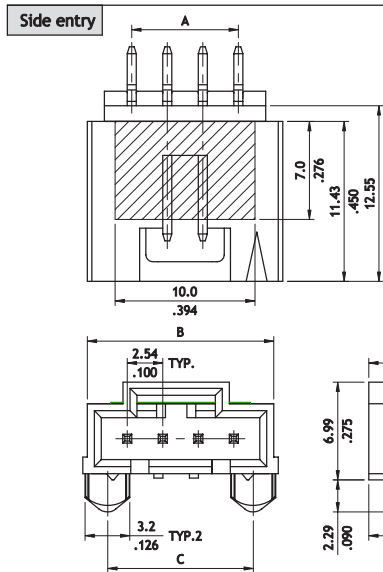
RoHS Compliant



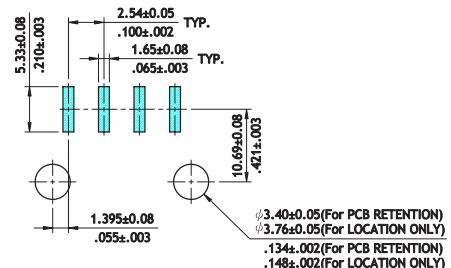
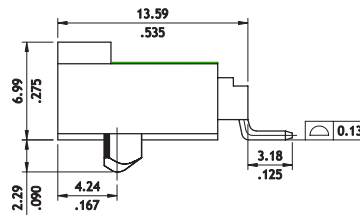
$A = 2.54 \times (\text{No. of Contact} - 1)$
 $B = A + 5.08$
 $C = A + 3.05$



Recommended P.C. Board Layout
General Tolerance ±0.05



$A = 2.54 \times (\text{No. of Contact} - 1)$
 $B = A + 6.35$
 $C = A + 2.79$



Recommended P.C. Board Layout

Ordering Code

①
②
③
④
⑤
⑥
⑦
⑧
C
I
3
3
1
2
M
1
V
1
0
-
NH

- ① Series No.
- ② No. of Circuits : 2~12
- ③ Contact type: M= SMT Type
- ④ Plating Options:
1= Matte Tin over Nickel
- ⑤ Tail style: Type : V= Top Entry , H = Side Entry
- ⑥ Color option: 1=Color Black
- ⑦ Other option: 0 = Standard
- ⑧ NH= For Lead Free IR Processes and Halogen Free

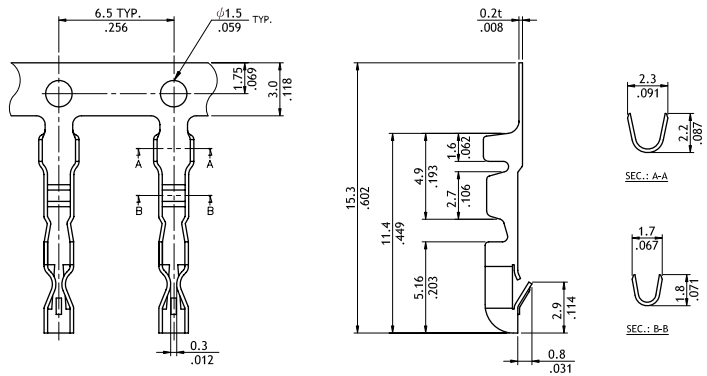
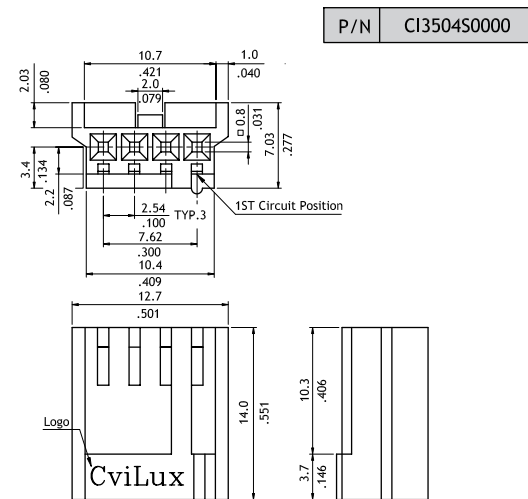
CI35 Series 2.54mm(.100") Wire to Board Connectors

- ⊙ Housing with locking Ribs
- ⊙ Header with locking wall
- ⊙ Can be used with CI35 crimp clip terminal
- ⊙ Insulator: Nylon 66 UL 94V-0, Color Nature
- ⊙ With Tin plated 0.64mm square pin
- ⊙ Terminal: Tin plated Brass, Phosphor Bronze

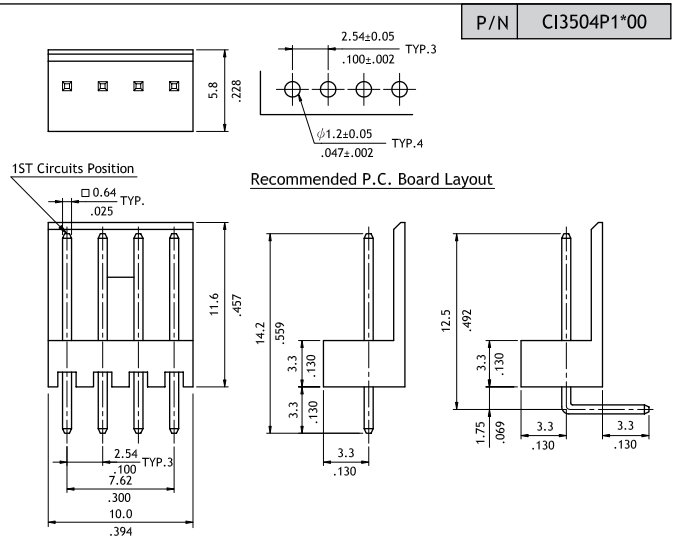
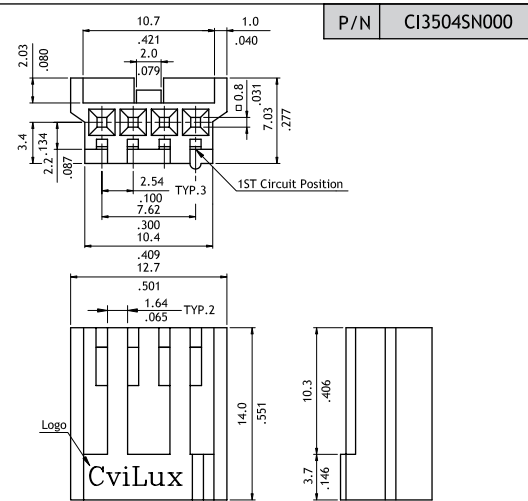


RoHS Compliant  

CI



Part No.	Wire Range	Insulation Diameter	Reel Qty	Material
CI35T021BE0	AWG #22-#28	1.7 (.067) MAX.	10,000 PCS	Brass
CI35T021PE0	AWG #22-#28	1.7 (.067) MAX.	10,000 PCS	Phosphor Bronze



Ordering Code

① ② ③ ④
C I 3 5 0 4 S 0 0 0 0

- ① Series No.
- ② No. of Circuits: 04
- ③ S = Housing
- ④ Other Options:
 0000 = Single Rib (Standard)
 N000 = Dual Ribs
 *Special options consult manufacturer

① ② ③ ④ ⑤ ⑥
C I 3 5 0 4 P 1 V 0 0

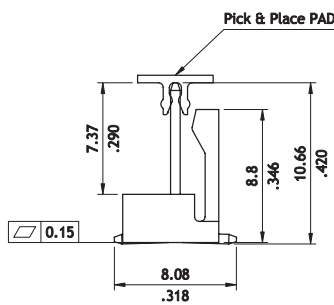
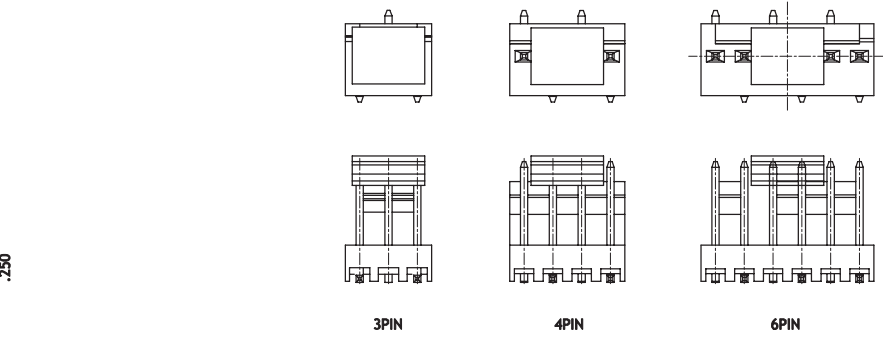
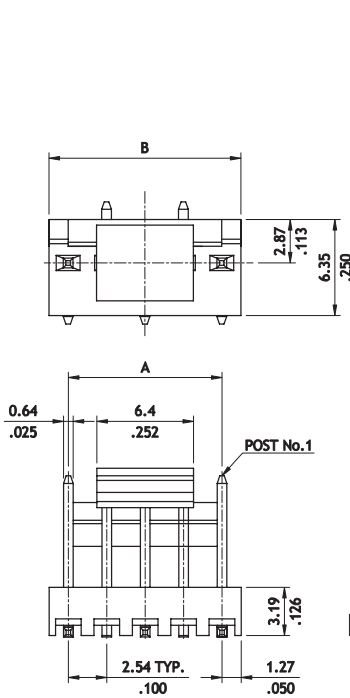
- ① Series No.
- ② No. of Circuits: 04
- ③ P = Pin Header
- ④ Plating Code: 1 = Tin over Nickel
- ⑤ Type: V = Straight ; H = Right Angle
- ⑥ Other Options: 00 = Standard
 *Special options consult manufacturer

WIRE TO BOARD CONNECTORS

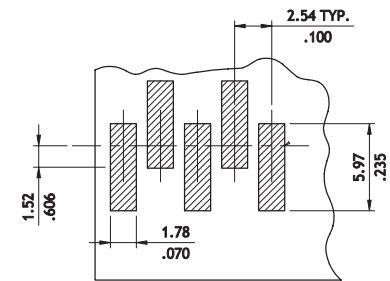
CI39 Series 2.54mm(.100") Wire to Board Connectors SMT Headers

- ⊙ Locking wall provide secure mating
- ⊙ With PAD for SMT Line pick and place machine
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ With Tin plated SMT type contact

RoHS Compliant



A = 2.54 x No. of Spaces
B = A + 2.54



Recommended P.C. Board Layout

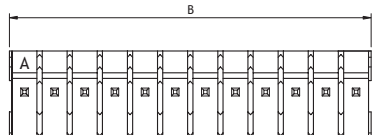
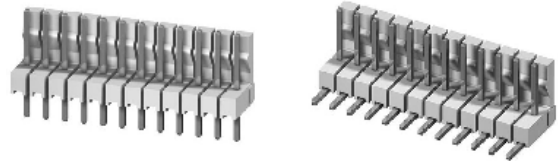
Ordering Code	①	②	③	④	⑤	⑥	⑦	⑧
	CI39	04	M	1	V	R	0	NH

① Series No.
 ② No. of Circuits: 03 ~ 06
 ③ M = SMT Type
 ④ Plating Code:
 1 = Matte Tin over Nickel
 ⑤ Type: V = Straight
 ⑥ Packing Options: R = Tape & Reel
 ⑦ Other Options: 0 = Standard
 ⑧ NH = For Lead Free IR process and Halogen-Free

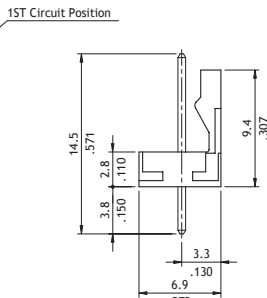
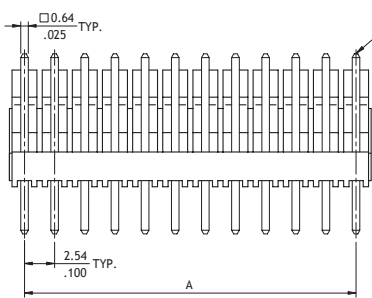
CI83 Series 2.54mm(.100") Friction Lock Breakaway Headers

- ⊙ Options with straight and right angle tails
- ⊙ Available with flat back wall for polarization
- ⊙ Mate with most of 2.54mm pitch connector in the market*
- ⊙ Insulator: Glass filled polyester UL 94V-0, Color White
- ⊙ With Tin plated 0.64mm square pin

RoHS Compliant 

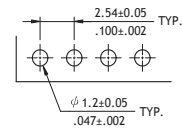


A = 2.54 x No. of Spaces
B = A + 2.54

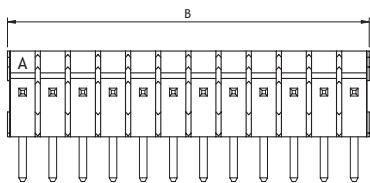


P/N: CI83**P*V00

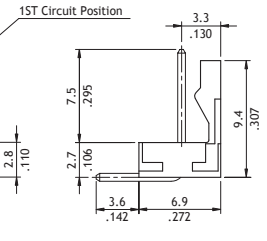
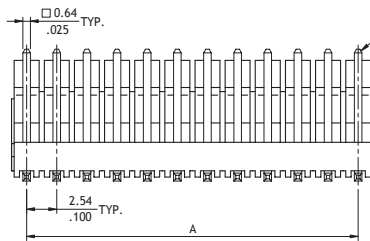
P/N: CI83**P*VOL



Recommended PCB Layout

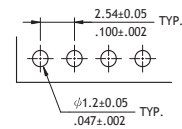


A = 2.54 x No. of Spaces
B = A + 2.54



P/N: CI83**P*H00

P/N: CI83**P*H0L



Recommended PCB Layout

Ordering Code

① ② ③ ④ ⑤ ⑥
C I 8 3 3 6 P 1 V 0 0

- ① Series No.
- ② No. of Circuits: 02 ~ 36
- ③ P = DIP Header
- ④ Plating Code :1 = Tin over Nickel

- ⑤ Type: V = Straight
H = Right Angle
- ⑥ Other Options:
00 = With Locking Ramp (Standard)
0L = Without Locking Ramp
*Special options consult manufacturer

CID2 Series 2.54mm(.100") IDC Type Connectors

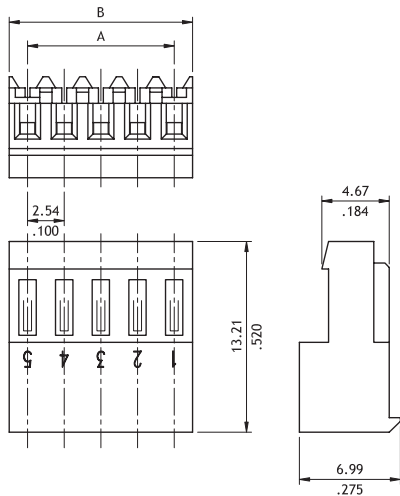
- ⊙ Terminal: Tin-plated Phosphor Bronze
- ⊙ Housing: Nylon 66 UL 94V-2
- ⊙ With or without locking ramp and polarizing tabs
- ⊙ Feed-Thru and Closed End type
- ⊙ Wire range AWG #22 ~ #28 (Flat ribbon wire)
- ⊙ Mate with CI31 Headers

NEW

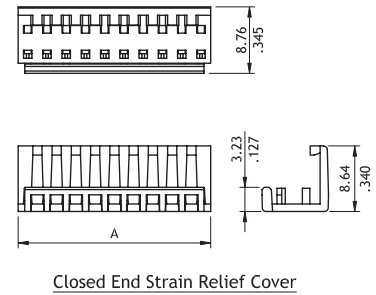
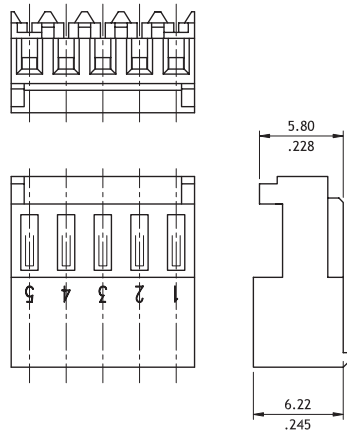


RoHS Compliant

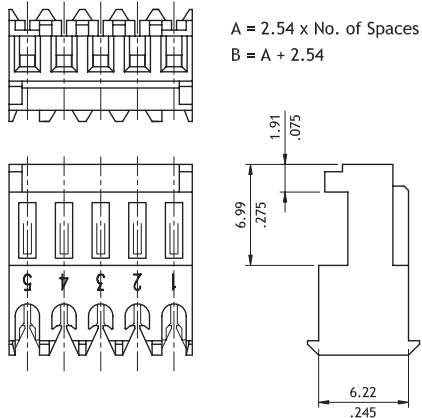
Closed End type
Without Polarizing Tabs



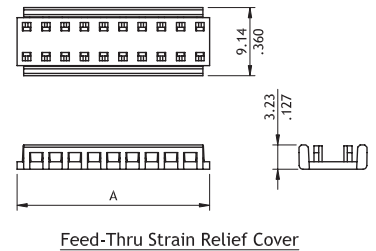
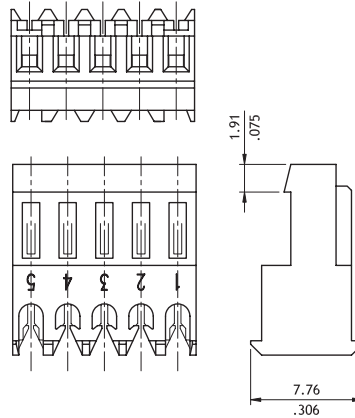
Closed End type
With Polarizing Tabs



Feed-Thru type
With Polarizing Tabs



Feed-Thru type
Without Polarizing Tabs



Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦
C I D 2 2 4 S 1 A 0 0

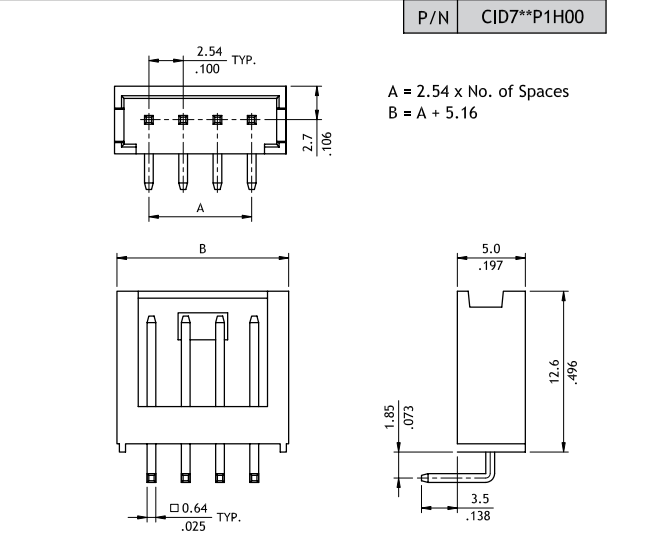
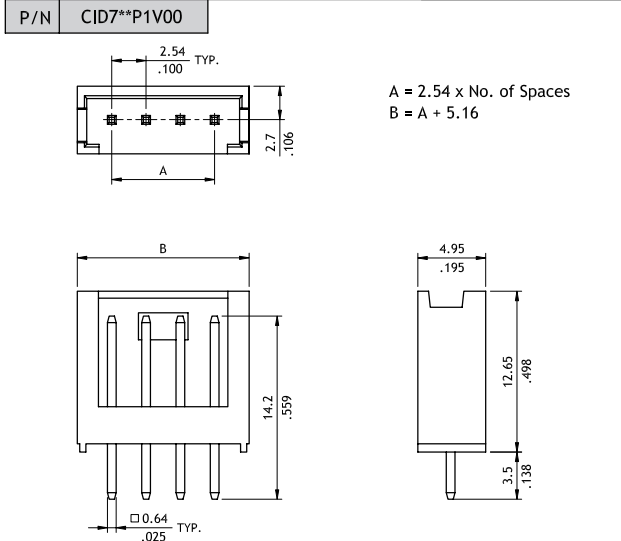
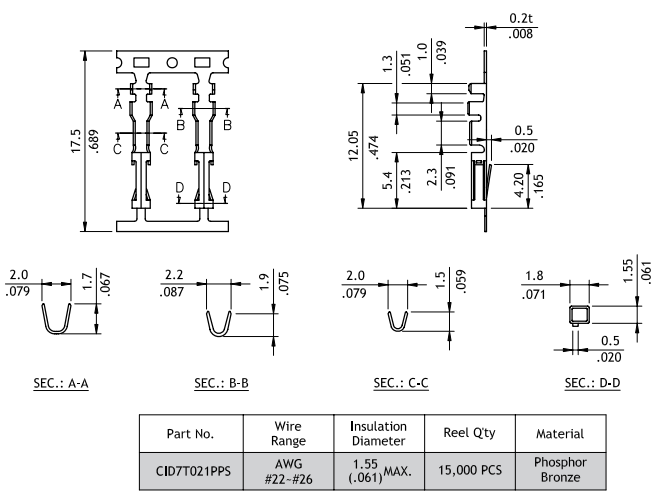
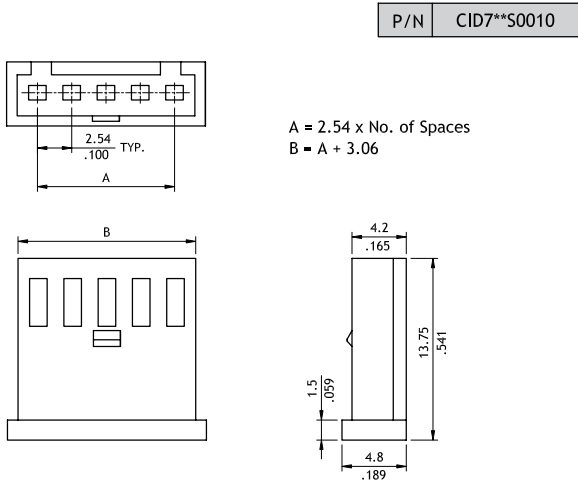
- ① Series No.
- ② No. of Circuits: 02 ~ 24
- ③ S = Housing
- ④ Plating Code: 1 = Tin over Nickel
- ⑤ Type : A = Closed End Type
B = Feed-Thru Type

- ⑥ Color Options:
0 = Color white, for AWG #24
3 = Color red, for AWG #22
6 = Color green, for AWG #28
7 = Color blue, for AWG #26
- ⑦ Other Options:
0 = W/O Polarizing Tabs
P = With Polarizing Tabs

CID7 2.54mm (.100") Wire to Board Housing / Terminal & DIP Headers

- ⊙ Box type with locking slot
- ⊙ Insulator : Glass filled polyester UL 94V-0 , color black
- ⊙ With Tin plated 0.64mm square pin

RoHS Compliant



Ordering Code

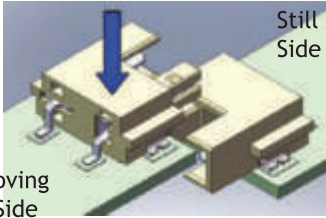
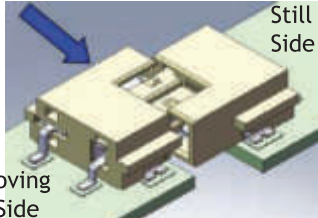
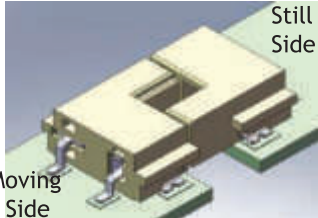
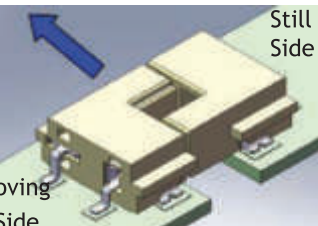
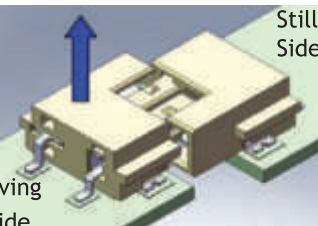
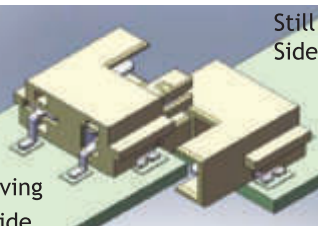
① ② ③ ④
C I D 7 1 0 S 0 0 1 0

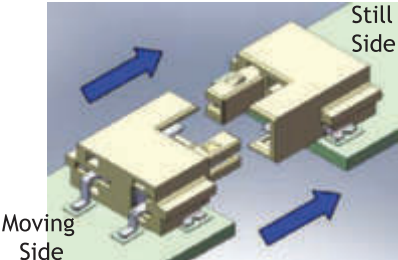
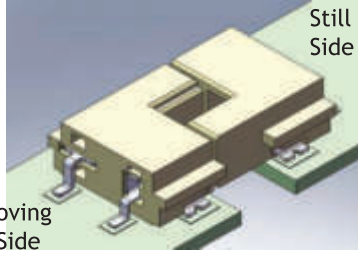
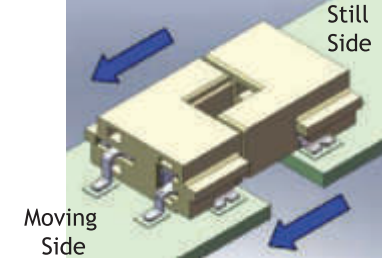
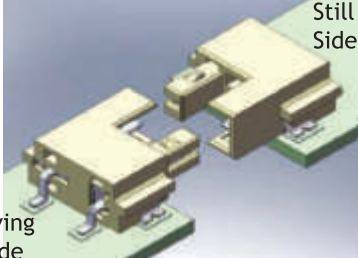
- ① Series No.
- ② No. of Circuits: 02 ~ 10
- ③ S = Housing
- ④ Other Option:
0010= Color Black (Standard)

① ② ③ ④ ⑤ ⑥
C I D 7 1 0 P 1 V 0 0

- ① Series No.
- ② No. of Circuits: 02 ~ 10
- ③ P = DIP Header
- ④ Plating Code: 1= Tin over Nickel
- ⑤ Type : V= Straight
H= Right Angle
- ⑥ Other Option: 00 = Standard

CIL1 Series 3.50mm(.138") Board to Board Connectors

Mating Option 1			
Mating	 <p>Step 1: Put the moving side vertically above the still side. Then, move it downward.</p>	 <p>Step 2: Push the moving side horizontally into the still side.</p>	 <p>Step 3: Done</p>
Unmating	 <p>Step 1: Push out the moving side horizontally from the still side.</p>	 <p>Step 2: Rise the moving side vertically after it separated from the still side.</p>	 <p>Step 3: Done</p>

Mating Option 2		
Mating	 <p>Step 1: Push in the moving side into the still side horizontally the still side.</p>	 <p>Step 2: Done</p>
Unmating	 <p>Step 1: Push out the moving side horizontally from the still side.</p>	 <p>Step 2: Done</p>

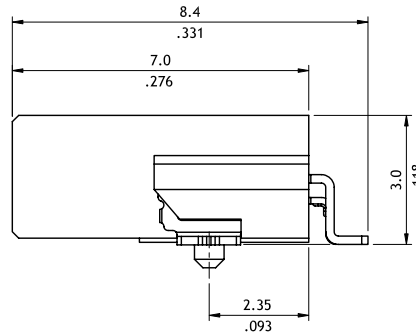
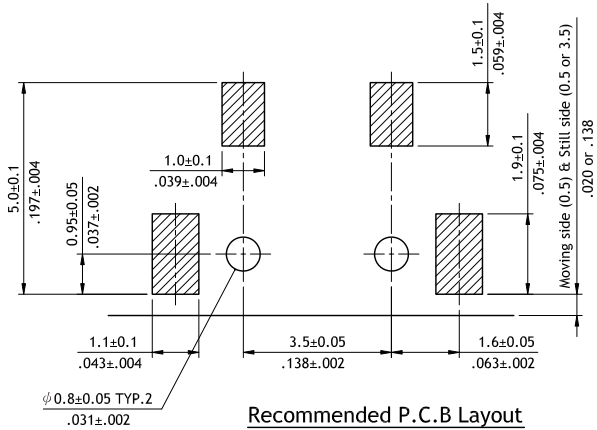
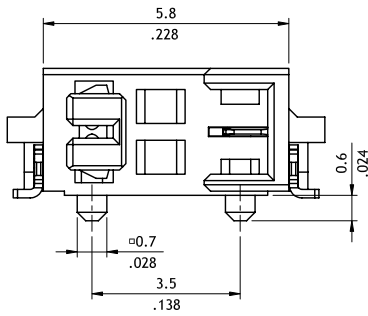
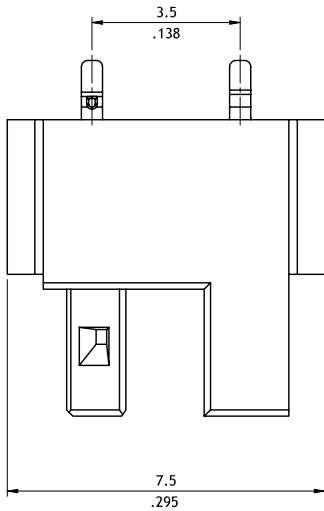
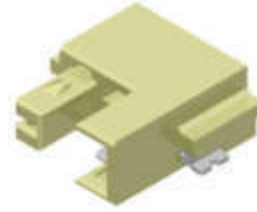
CI

WIRE TO BOARD CONNECTORS

CIL1 Series 3.50mm(.138") Board to Board Connectors

- ⦿ Simplify manufacturing procedure
- ⦿ Reduce the Cost
- ⦿ Insulator: High temperature plastic UL 94V-0

RoHS Compliant   



Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
C I L 1 0 2 M 1 H R 0 - N H

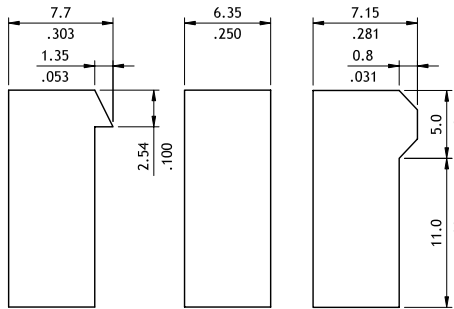
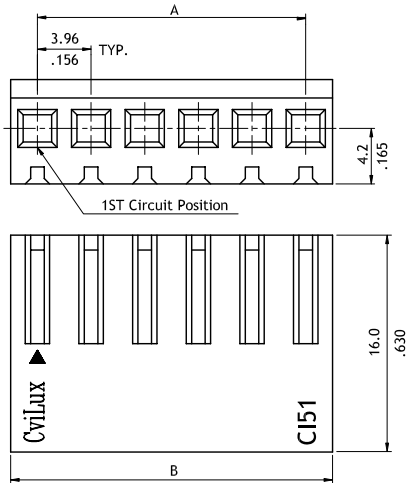
- ① Series No.
- ② No. of Circuits: 02
- ③ M = SMT Type
- ④ Plating Code :1 = Matte Tin over Nickel
- ⑤ Type: H = Side Entry

- ⑥ Packing Options:
R = Tape & Reel
- ⑦ Other Options:
0 = Standard
- ⑧ NH = For Lead Free IR process and Halogen-Free

CI51 Series 3.96mm(.156") Wire to Board Connectors Housing & Terminal

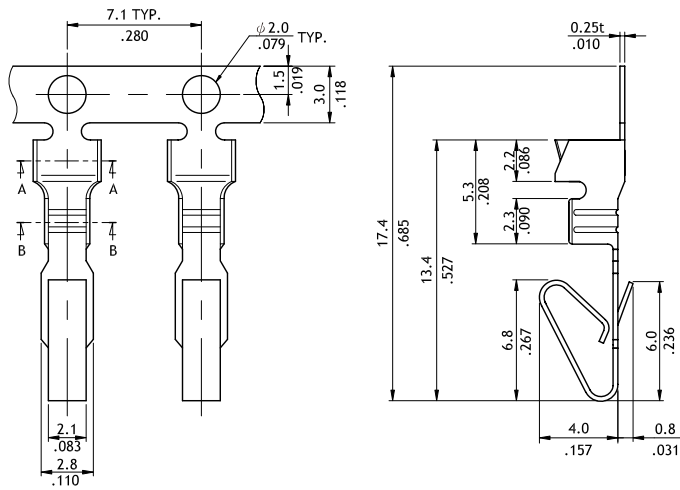
- ⊙ With locking ramp
- ⊙ Mate with CI51, CI77 Header
- ⊙ Can be used with CI51 crimp clip terminal
- ⊙ Insulator: Nylon 66 UL 94V-2, Color Nature
- ⊙ Terminal: Tin plated Phosphor Bronze

RoHS Compliant

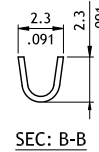
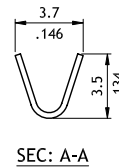


Circuits	Dimension	
	A	B
2	3.96(.156)	8.0(.315)
3	7.92(.312)	12.0(.472)
4	11.88(.468)	15.9(.626)
5	15.84(.624)	19.9(.783)
6	19.80(.780)	23.9(.941)
7	23.76(.935)	28.0(1.102)
8	27.72(1.091)	32.0(1.260)
9	31.68(1.247)	35.9(1.413)
10	35.64(1.403)	39.9(1.571)
11	39.60(1.559)	43.9(1.728)
12	43.56(1.715)	47.8(1.882)
13	47.52(1.871)	51.8(2.039)
14	51.48(2.027)	55.7(2.193)
15	55.44(2.183)	59.7(2.350)
16	59.40(2.339)	63.7(2.508)
17	63.36(2.494)	67.6(2.661)
18	67.32(2.650)	71.6(2.819)
19	71.28(2.806)	75.5(2.972)
20	75.24(2.962)	79.5(3.130)

P/N:CI51**S0000 P/N:CI51**S000R P/N:CI51**S00DR



Wire Range	Insulation	Reel Qty
AWG #18-#24	2.10 (.083) MAX.	5,000 PCS



Ordering Code

① C ② 15 ③ 1 ④ 20 ⑤ S ⑥ 0 ⑦ 0 ⑧ 0 ⑨ 0 ⑩ 0

- ① Series No.
- ② No. of Circuits: 02 ~ 20
- ③ S = Housing
- ④ Other Options:
0000 = With Locking Ramp (Standard)
000R = Without Locking Ramp
00DR = Low force Locking Ramp
*Special options consult manufacturer

① C ② 15 ③ 1 ④ T ⑤ 03 ⑥ 1 ⑦ P ⑧ E ⑨ 0

- ① Series No.
- ② Type: T03 = AWG #18 ~ #24
- ③ Plating Code: 1 = Tin over Nickel
- ④ Material: P = Phosphor Bronze
- ⑤ Other Options: E0 = Standard

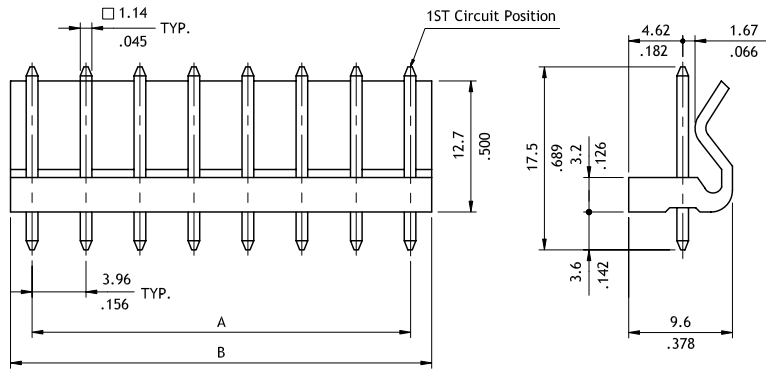
CI51 Series 3.96mm(.156") Wire to Board Connectors DIP Headers

- ⊙ With locking wall
- ⊙ Mate with CI51 Housing
- ⊙ Insulator: Nylon 66 UL 94V-2, Color Nature
- ⊙ With Tin plated 1.14mm square pin

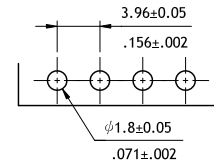
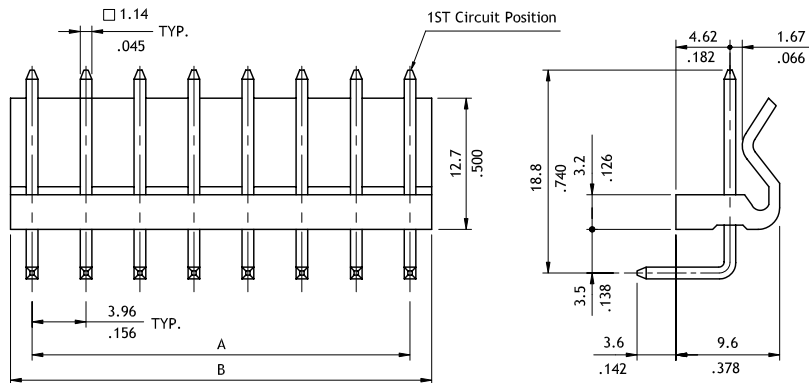


RoHS Compliant  

CI



Circuits	Dimension	
	A	B
2	3.96(.156)	7.92(.312)
3	7.92(.312)	11.88(.468)
4	11.88(.468)	15.84(.624)
5	15.84(.624)	19.8(.780)
6	19.80(.780)	23.76(.935)
7	23.76(.935)	27.72(1.091)
8	27.72(1.091)	31.68(1.247)
9	31.68(1.247)	35.64(1.403)
10	35.64(1.403)	39.6(1.559)
11	39.60(1.559)	43.56(1.715)
12	43.56(1.715)	47.52(1.871)
13	47.52(1.871)	51.48(2.027)
14	51.48(2.027)	55.44(2.183)
15	55.44(2.183)	59.4(2.339)
16	59.40(2.339)	63.36(2.494)
17	63.36(2.494)	67.32(2.650)
18	67.32(2.650)	71.28(2.806)
19	71.28(2.806)	75.24(2.962)
20	75.24(2.962)	79.2(3.118)



Recommended P.C. Board Layout

Ordering Code

① ② ③ ④ ⑤ ⑥
C I 5 1 2 0 P 1 V 0 0

- ① Series No.
 - ② No. of Circuits: 02 ~ 20
 - ③ P = DIP Header
 - ④ Plating Code :1 = Tin over Nickel
 - ⑤ Type: V = Straight , H = Right Angle
 - ⑥ Other Options : 00 = Standard
- *Special options consult manufacturer

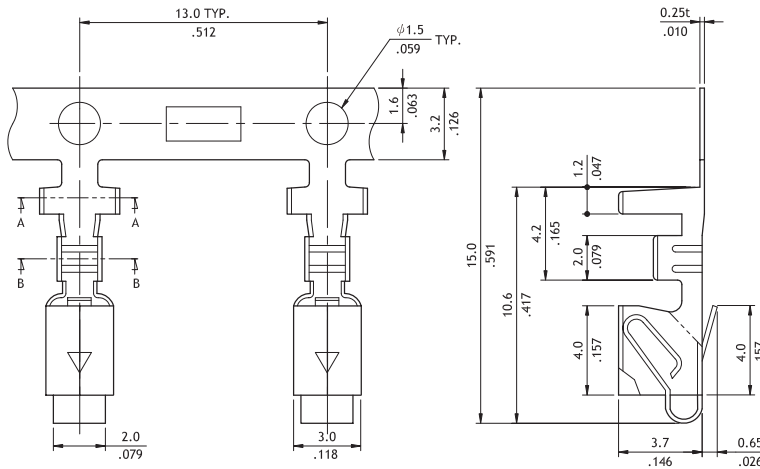
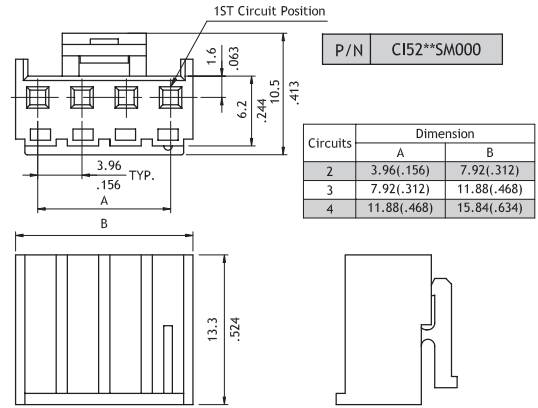
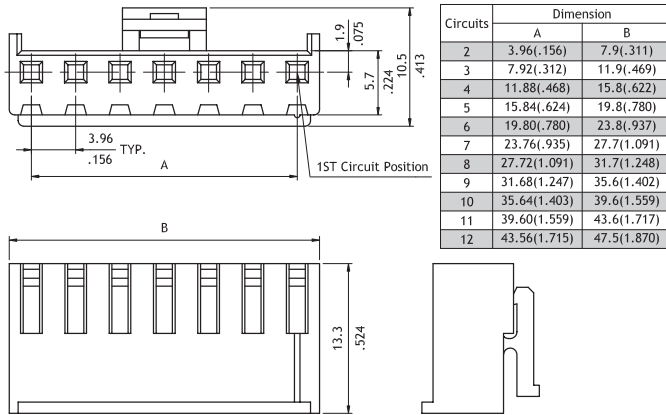
WIRE TO BOARD CONNECTORS

CI52 Series 3.96mm(.156") Wire to Board Connectors Housing & Terminal

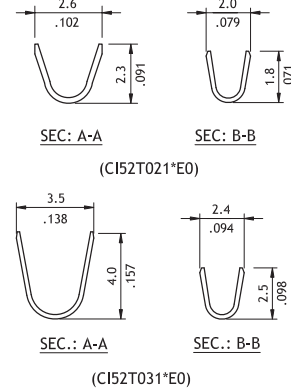
- ⊙ With locking latch
- ⊙ Mate with CI52 header
- ⊙ Can be used with CI52 crimp clip terminal
- ⊙ Insulator: Nylon 66 UL 94V-0 , Color Nature
- ⊙ Terminal: Tin plated Brass or Phosphor Bornze



RoHS Compliant



Part No.	Wire Range	Insulation Diameter	Reel Q'ty
CI52T021*E0	AWG #22-#28	1.90 (.075) MAX.	3,500 PCS
CI52T031*E0	AWG #18-#22	2.70 (.106) MAX.	3,500 PCS



Ordering Code

① C ② 15 ③ 2 ④ 12 S ⑤ 0000

① C ② 15 ③ 2 T ④ 03 ⑤ 1 B E 0

- ① Series No.
- ② No. of Circuits: 02 ~ 12
- ③ S = Housing
- ④ Other Options:
0000 = Standard
M000 = Special Type
*Special options consult manufacturer

- ① Series No.
- ② Type: T02 = AWG #22 ~ #28
T03 = AWG #18 ~ #22
- ③ Plating Code: 1 = Tin over Nickel
- ④ Material: B = Brass ; P = Phosphor Bronze
- ⑤ Other Options: E0 = Standard

CI52 Series 3.96mm(.156") Wire to Board Connectors DIP Headers

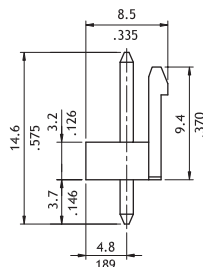
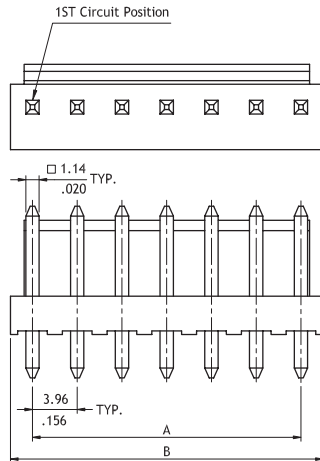
- ⊙ With locking wall
- ⊙ Mate with CI52 Housing
- ⊙ Insulator: Polyamide UL 94V-0, Color Nature
- ⊙ With Tin plated 1.14mm square pin



RoHS Compliant

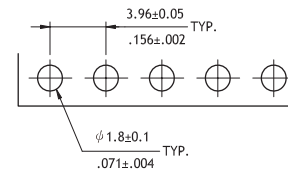
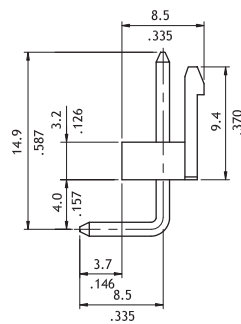
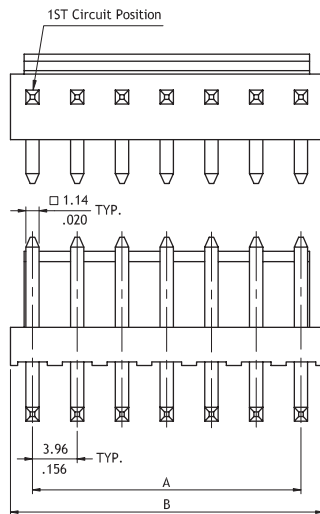
CI

P/N CI52**P1V00-NH



Circuits	Dimension	
	A	B
2	3.96(.156)	7.8(.307)
3	7.92(.312)	11.8(.465)
4	11.88(.468)	15.8(.622)
5	15.84(.624)	19.7(.776)
6	19.80(.780)	23.7(.933)
7	23.76(.936)	27.6(1.087)
8	27.72(1.091)	31.6(1.244)
9	31.68(1.247)	35.5(1.398)
10	35.64(1.403)	39.5(1.555)
11	39.60(1.559)	43.5(1.713)
12	43.56(1.715)	47.4(1.866)
13	47.52(1.871)	51.4(2.024)

P/N CI52**P1H00-NH



Recommended P.C. Board Layout

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦
C I 5 2 1 3 P 1 V 0 0 - N H

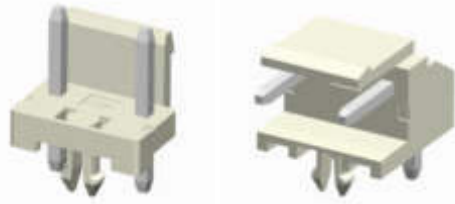
- ① Series No.
- ② No. of Circuits: 02 ~ 13
- ③ P = DIP Header
- ④ Plating Code: 1 = Tin over Nickel
- ⑤ Type: V = Straight
H = Right Angle

- ⑥ Other Options:
00 = Standard
*Special options consult manufacturer
- ⑦ NH = For Lead Free Soldering process and Halogen-Free

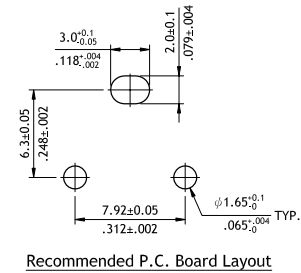
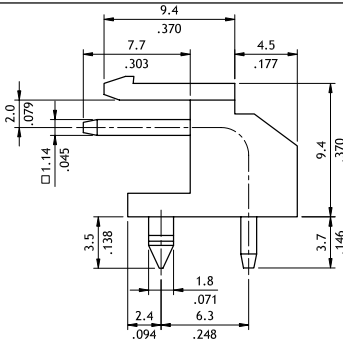
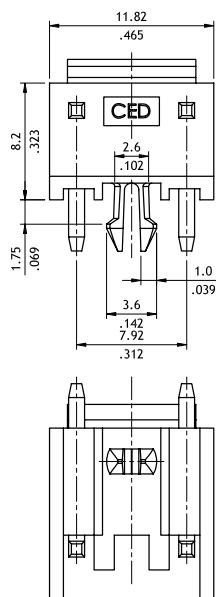
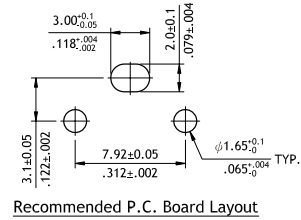
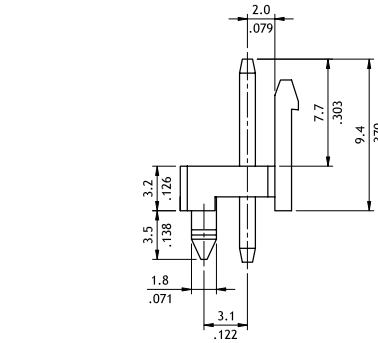
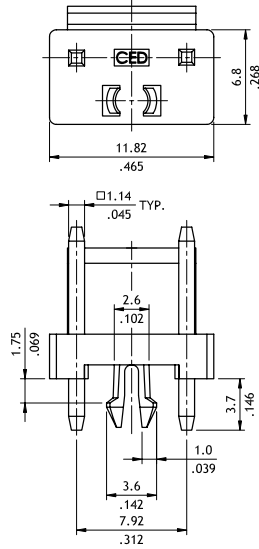
WIRE TO BOARD CONNECTORS

CI52 Series 7.92mm(.312") Wire to Board Connectors DIP Headers

- Ⓞ With locking wall
- Ⓞ Mate with CI52 Housing
- Ⓞ Insulator: Polyamide UL 94V-0, Color Nature
- Ⓞ With Tin plated 1.14mm Square pin



RoHS Compliant



Ordering Code

①	②	③	④	⑤	⑥
C	I	5	2	P	1
0	2			V	D
					0

- ① Series No.
- ② No. of Circuits: 02
- ③ P = Pin Header
- ④ Plating Code: 1 = Matte Tin over Nickel

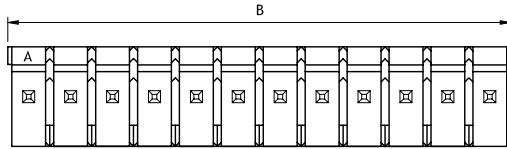
- ⑤ Type: V = Straight
H = Right Angle
- ⑥ Other Options:
D0 = With Plastic Board Lock

CI82 Series 3.96mm (.156") Friction Lock Breakway Headers

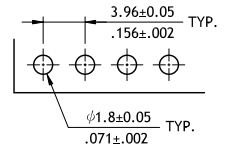
- ⊙ Options with straight and right angle tails
- ⊙ Available with flat back wall for polarization
- ⊙ Mate with most of 3.96mm pitch connector in the market
- ⊙ Insulator: Glass filled polyester UL 94V-0, Color White
- ⊙ With Tin plated 1.14mm square pin



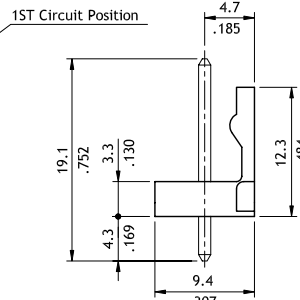
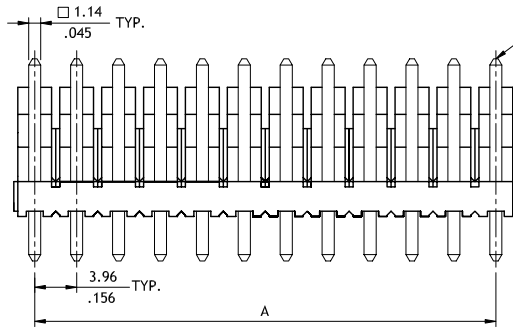
RoHS Compliant



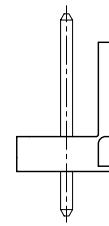
$A = 3.96 \times \text{No. of Spaces}$
 $B = A + 3.96$



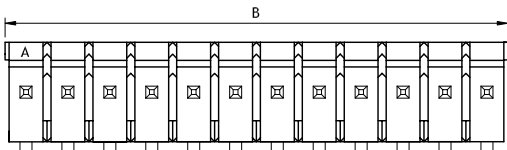
Recommended P.C. Board Layout



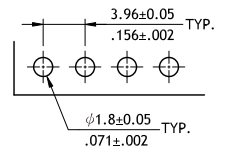
P/N: CI82**P*V00



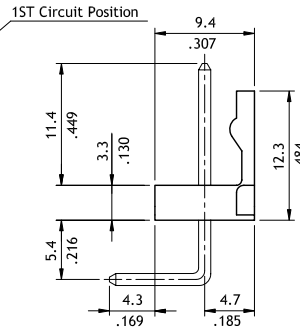
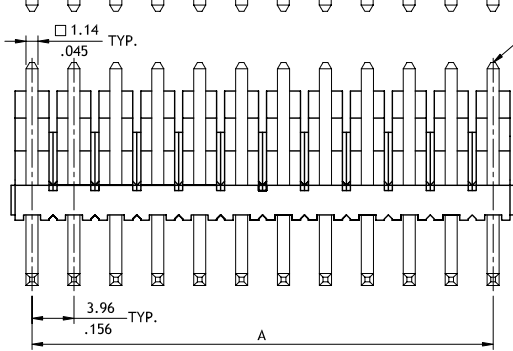
P/N: CI82**P*V00L



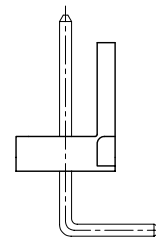
$A = 3.96 \times \text{No. of Spaces}$
 $B = A + 3.96$



Recommended P.C. Board Layout



P/N: CI82**P*H00



P/N: CI82**P*H0L

Ordering Code

① ② ③ ④ ⑤ ⑥
C I 8 2 2 4 P 1 V 0 0

- ① Series No.
- ② No. of Circuits: 02 ~ 24
- ③ P = DIP Header
- ④ Plating Code :1 = Tin over Nickel

- ⑤ Type: V = Straight
 H = Right Angle
- ⑥ Other Options:
 00 = With Locking Ramp (Standard)
 0L = Without Locking Ramp
 *Special options consult manufacturer

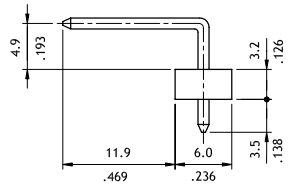
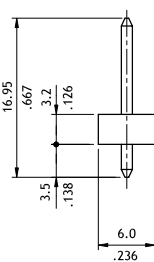
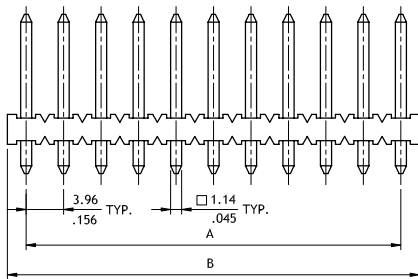
CI77/CI78 Series 3.96mm(.156") / 5.00mm(.196") Breakaway Pin Headers

- ⊙ Mate with CI51 and CID3 Connector
- ⊙ Available straight and right angle type
- ⊙ Options plating available
- ⊙ Insulator: Glass filled polyester UL 94V-0, Color White
- ⊙ With Tin plated 1.14mm square pin

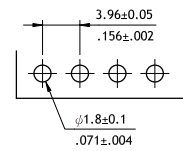


RoHS Compliant

P/N CI77**P1*00

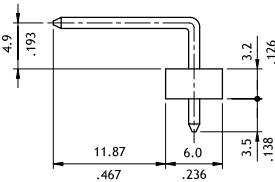
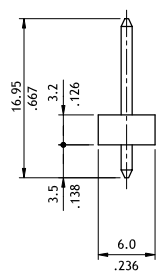
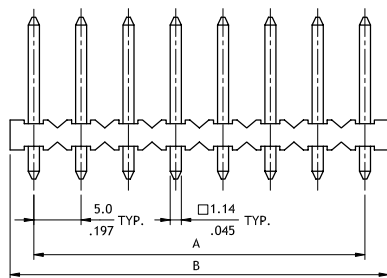


A = 3.96 x No. of Spaces
B = A + 3.96

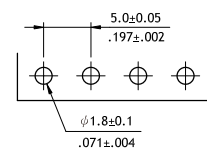


Recommended P.C. Board Layout

P/N CI78**P1*00



A = 5.0 x No. of Spaces
B = A + 5.0



Recommended P.C. Board Layout

Ordering Code	①	②	③	④	⑤	⑥
	C	I	7	7	2	0
	P	1	V	0	0	

① Series No.
CI77 = 3.96mm center spacing
CI78 = 5.00mm center spacing

② No. of Circuits: 02 ~ 20

③ P = DIP Header

④ Plating Code: 1 = Tin over Nickel

⑤ Type: V = Straight , H = Right Angle

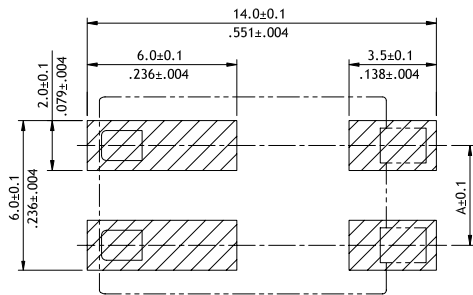
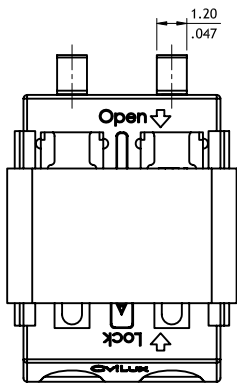
⑥ Other Options:
00 = Standard
*Special options consult manufacturer

CID1 Series 4.00mm(.157") Wire to Board SMT Headers

- ⊙ Surface mount terminal strips with connection
- ⊙ Direct push-in of solid conductors
- ⊙ A total height of only 3.2mm helps minimize shadowing in LED application:
- ⊙ Packaged in tape-and-reel for automated SMT processes
- ⊙ Wiring ports with balcony design – creates "lead-in" for ease of wiring, even at a slight angle

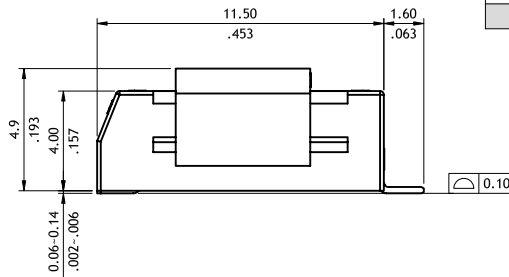
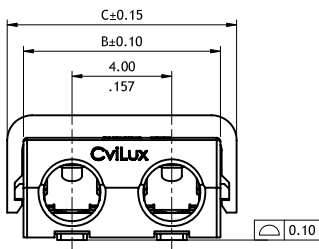


RoHS Compliant



Recommended P.C. Board Layout

Circuits	Dimension		
	A	B	C
1	-	3.9(.154)	5.2(.205)
2	4.0(.157)	7.9(.311)	9.2(.362)
3	8.0(.315)	11.9(.469)	13.2(.520)



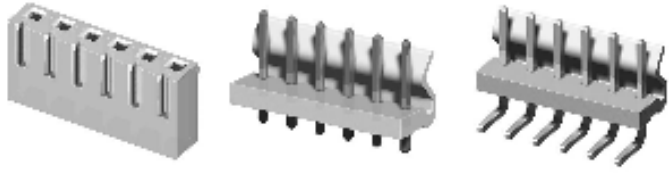
Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦
C I D 1 0 3 M 1 H R A - N H

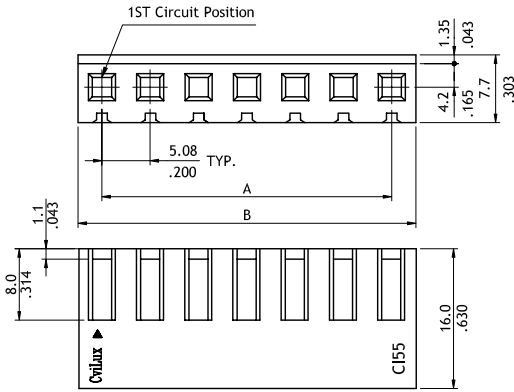
- ① Series No.
- ② No. of Circuits: 01~03
- ③ M = SMT Type
- ④ Plating Code: 1 = Matte Tin over Nickel
- ⑤ Type : H = Side Entry
- ⑥ Packing Option : RA = Reel Packing
- ⑦ NH = For Lead Free IR Process and Halogen-Free

CI55 Series 5.08mm(.200") Wire to Board Header & Housing Connectors

- ⊙ Housing with locking ramp
- ⊙ Header with locking wall
- ⊙ Can be used with CI51 crimp clip terminal
- ⊙ Insulator: Nylon 66 UL 94V-2, Color Nature
- ⊙ With Tin plated 1.14mm square pin
- ⊙ Terminal: Tin plated Brass



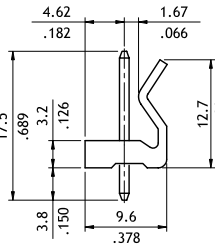
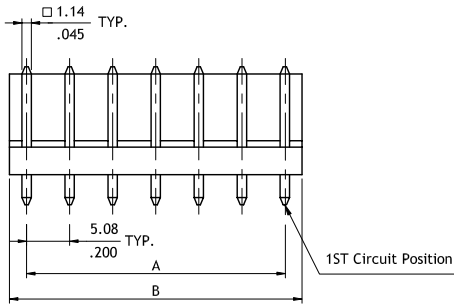
RoHS Compliant



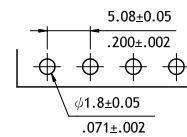
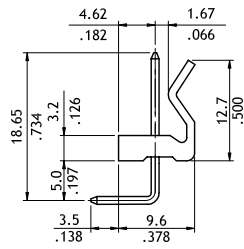
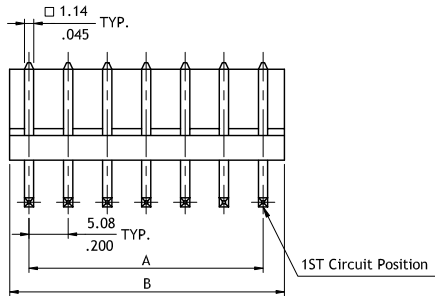
P/N:CI55**S0000

P/N:CI55**S000R

Circuits	Dimension	
	A	B
2	5.08(.200)	10.08(.397)
3	10.16(.400)	15.16(.597)
4	15.24(.600)	20.24(.797)
5	20.32(.800)	25.32(.997)
6	25.40(1.00)	30.40(1.197)
7	30.48(1.20)	35.48(1.397)
8	35.56(1.40)	40.56(1.597)
9	40.64(1.60)	45.64(1.797)
10	45.72(1.80)	50.72(1.997)



Circuits	Dimension	
	A	B
2	5.08(.200)	10.08(.397)
3	10.16(.400)	15.16(.597)
4	15.24(.600)	20.24(.797)
5	20.32(.800)	25.32(.997)
6	25.40(1.000)	30.40(1.197)
7	30.48(1.200)	35.48(1.397)
8	35.56(1.400)	40.56(1.597)
9	40.64(1.600)	45.64(1.797)
10	45.72(1.800)	50.72(1.997)



Recommended P.C. Board Layout

Ordering Code

① C ② 15 ③ S ④ 0 0 0 0

- ① Series No.
- ② No. of Circuits: 02 ~ 10
- ③ S = Housing
- ④ Other Options:
0000 = Standard
000R = Without Locking Ramp
*Special options consult manufacturer

① C ② 15 ③ P ④ 1 ⑤ V ⑥ 0 0

- ① Series No
- ② No. of Circuits: 02 ~ 10
- ③ P = DIP Header
- ④ Plating Code: 1 = Tin over Nickel
- ⑤ Type: V = Straight ; H = Right Angle
- ⑥ Other Options: 00 = Standard
*Special options consult manufacturer