System CP Technical Specifications

Testing Methods of Electronic Connectors Follow Below Military Standards.

Dielectric Withstanding Voltage	- Per MIL-STD-1344A method 3001.1
Contact Resistance	- Per MIL-STD-1344A method 3002.1
Insulation Resistance	- Per MIL-STD-1344A method 3003.1
Solderability	- Per MIL-STD-202F method 208D

1.5mm (.059") Center spacing Wire to Wire Connector

Electrical:
Current rating: 1 Amps max.
Dielectric withstanding:
1300~1500 VAC for one minute
ΩContact Resistance: <20 m
Insulating Temperature: >1000MΩ
Operating Temperature: -25°C - +85°C

Physical:
Housing: Nylon66 ,Color Nature
DIP/SMT Type Header:
High temperature plastic , Color Nature
Flammability Rating: UL 94V-0
Contact: Copper alloy
Contacts plating : Tin over Nickel

2.50mm (.098") Center spacing Wire to Wire Connector

Electrical:
Current rating: 3 Amps max.
Dielectric Withstanding: 1000 VAC for one minute
Contact Resistance: < 20 mΩ
Insulation Resistance: > 500 MΩ
Operating Temperature: -25°C - +85°C
Applicable panel thickness: 0.5 to 2.0 mm

Physical:
Housing: Nylon 66 , Color Black
Flammability Rating: UL 94V-2
Contacts: Copper alloy
Contacts plated: Tin over Nickel

3.0mm (.118") Center spacing Wire to Wire Connector / Board Connector

Electrical:
Current rating: 5 Amps max.
Dielectric Withstanding: 1500 VAC for one minute
Contact Resistance: < 5 mΩ
Insulation Resistance: > 1000 MΩ
Operating Temperature: -40°C - +105°C

Physical:
Housing: Polyester , Color Black
DIP/SMT Type Header:
High temperature plastic , Color Black
Flammability Rating: UL 94V-0
Contacts: Copper alloy
Contacts plating: Tin over Nickel

3.5mm (.138") Center spacing Wire to Wire Connector / Board Connector

Electrical:
Current rating: 1 Amps max.
Dielectric Withstanding: 3800 VAC for one minute
Contact Resistance: < 10 mΩ
Insulation Resistance: > 1000 MΩ
Operating Temperature: -25°C - +85°C

Physical:
Housing: Nylon 66 , Color Nature
DIP/SMT Type Header:
High temperature plastic , Color Nature
Flammability Rating: UL 94V-0
Contacts: Copper alloy
Contacts plating: Tin over Nickel

System CP Technical Specifications

4.0mm (.157") Center spacing Wire to Wire Connector / Board Connector

Electrical:
Current rating: 1 Amps max.
Dielectric Withstanding: 1800 VAC for one minute
Contact Resistance: < 10 mΩ
Insulation Resistance: > 1000 MΩ
Operating Temperature: -25°C - +85°C

Physical:
Housing: Nylon 66 , Color Nature
DIP/SMT Type Header:
High temperature plastic , Color Nature
Flammability Rating: UL 94V-0
Contacts: Copper alloy

4.20mm (.165") Center spacing Wire to Wire Connector / Board Connector

Electrical:
Current rating: 9 Amps max.
Dielectric Withstanding: 1500 VAC for one minute
Contact Resistance: < 10 mΩ
Insulation Resistance: > 1000 MΩ
Operating Temperature: -40°C - +105°C

Physical:
Housing: Nylon 66 , Color Nature
DIP Type Header:
Nylon 66 , ColorNature
Flammability Rating:
UL 94V-0 or UL 94V-2
Contacts: Copper alloy
Contacts plated: Tin over Nickel
Please see plating code for other options.

5.00mm (.197") Center spacing Wire to Wire Connector / Board Connector

Electrical:
Current rating: 16 Amps max.
Dielectric Withstanding: 500 VAC for one minute
Contact Resistance: < 20 mΩ
Insulation Resistance: > 1000 MΩ
Operating Temperature: -40°C - +110°C

Physical:
Housing: Nylon 66 , Color Nature
DIP Type Header:
PBT , Color Nature
Flammability Rating: UL 94V-0
Contacts: Copper alloy
Contacts plating: Tin over Nickel

5.08mm (.200") Center spacing Wire to Wire Connector / Board Connector

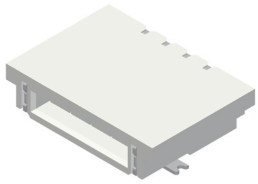
Electrical:
Current rating: 6 Amps max.
Dielectric Withstanding: 1500 VAC for one minute
Contact Resistance: < 20 mΩ
Insulation Resistance: > 1000 MΩ
Operating Temperature: -25°C - +85°C

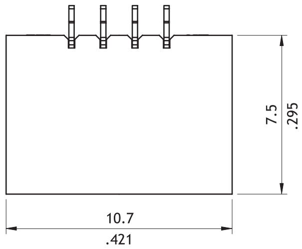
Physical:
Housing: Nylon 66 , Color Nature
DIP Type Header:
Nylon 66 , Color Nature
Flammability Rating:
UL 94V-0 or UL 94V-2
Contacts: Copper alloy
Contacts plated: Tin over Nickel
Please see plating code for other options.

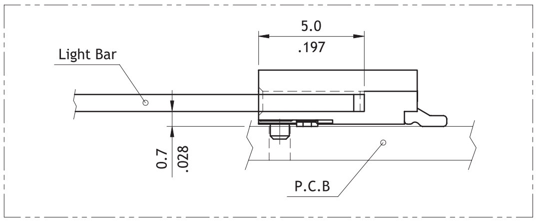
CP14 Series 1.50mm(.059") Single Row Side Entry SMT Headers

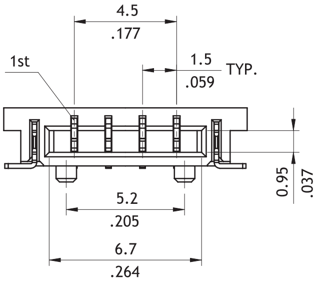
◎ Simplify manufacturing procedure
◎ Reduce the Cost
◎ Insulator: High temperature plastic UL 94V-0
◎ With metal fixed tabs to secure connector in place

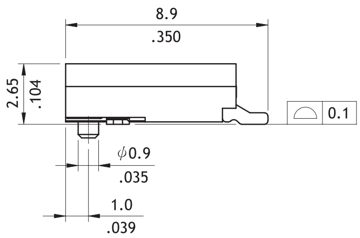
RoHS Compliant Pb HF

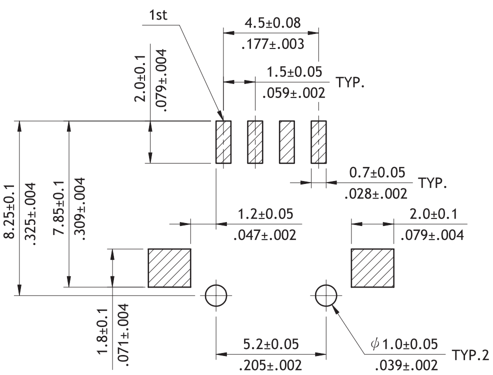




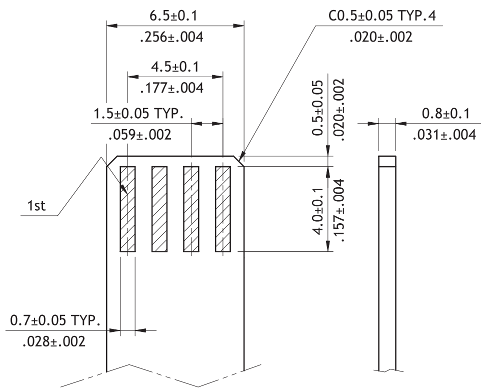








Recommended P.C.B Layout



Recommended FR4 Layout

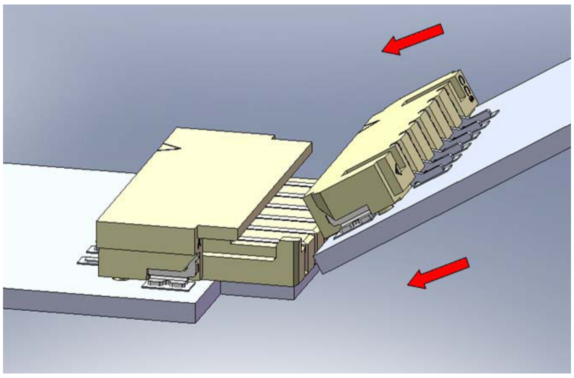
Ordering Code

❶	❷	❸	❹	❺	❻	❼		❽
CP14	04	M	1	H	R	B	–	NH

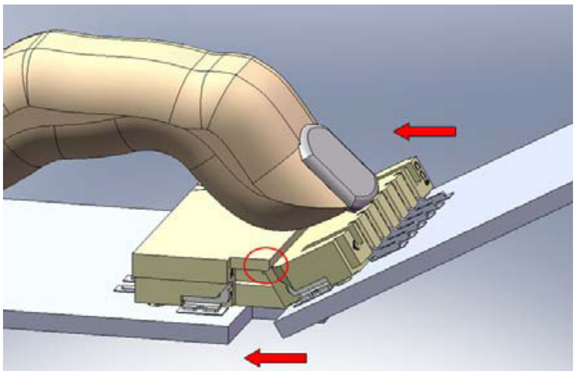
❶ Series No.
❷ No. of Circuits: 02 to 10
(Available: 4)
*Circuits not found above,
please consult manufacturer
❸ M = SMT Type
❹ Plating: 1 = Matte Tin over Nickel
❺ Type: H = Side Entry
❻ Packing Options:
R = Tape & Reel
❼ Other Options:
B = Upside Contact
❽ -NH = For Lead Free soldering process and
Halogen-Free

CP15 Series 1.50mm(.069") SMT Headers

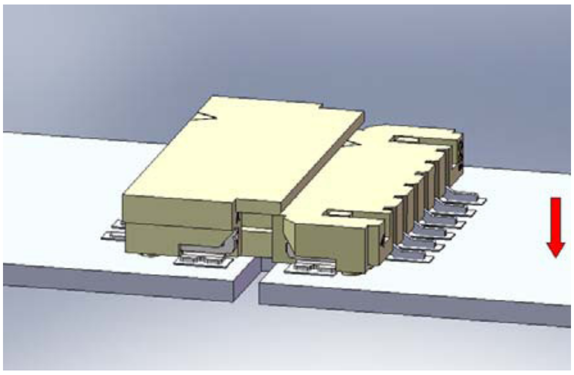
Mating:



Step 1:
The male header should be tilted during insertion.

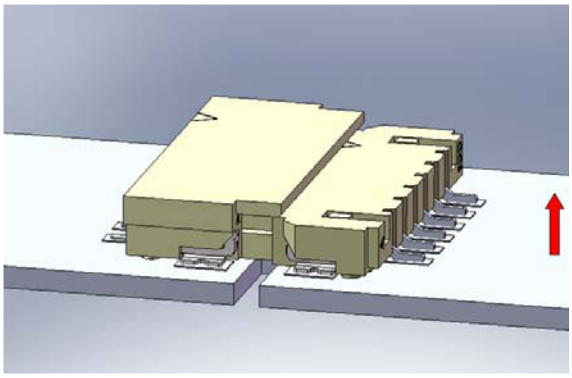


Step 2:
Push the male header to the end.
Make sure the male header is under the rib of female header by finger.

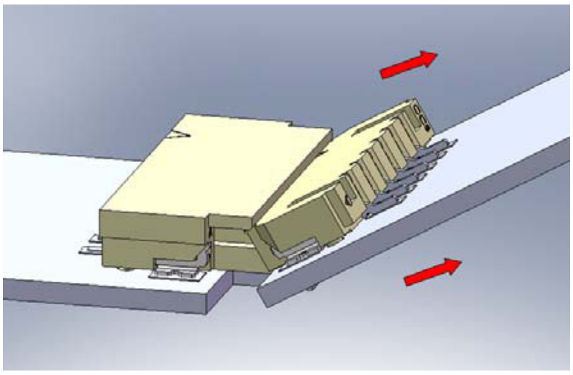


Step 3:
Press down the male header down vertically to finish the connection.

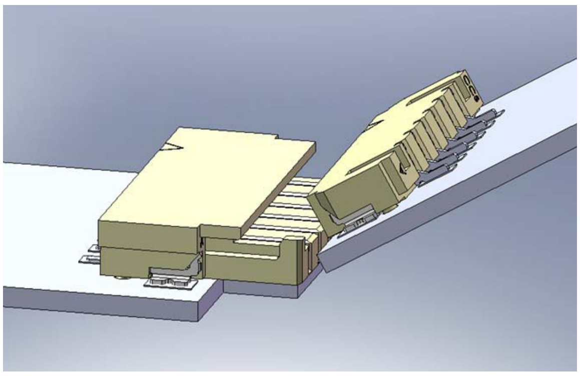
Unmating:



Step 1:
Lift the male header up at 30°~60°.



Step 2:
Remove male header at an angle to finish the disconnection.

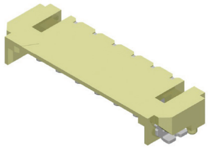


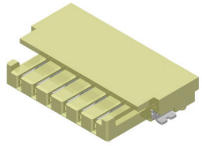
Step 3:
Finish

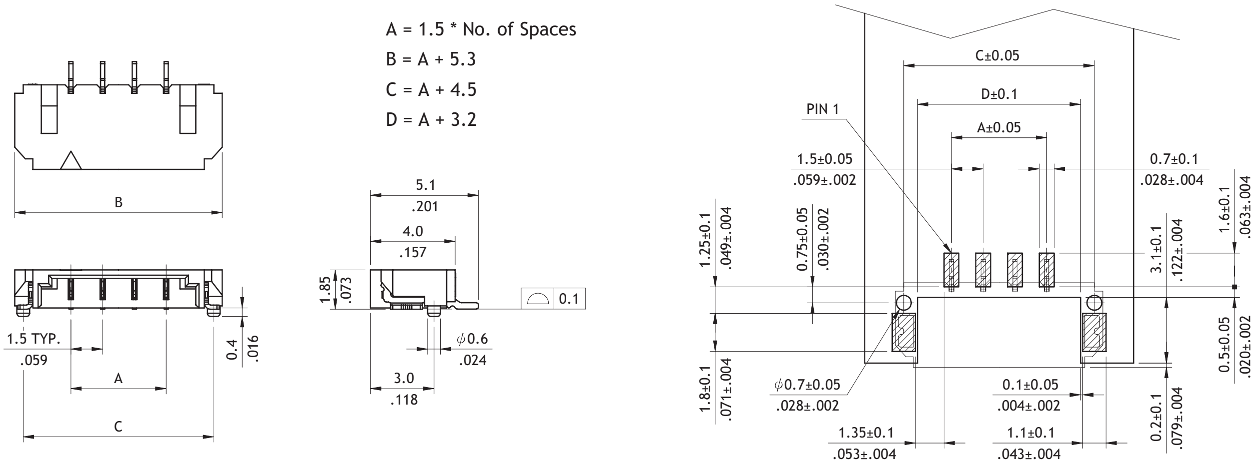
CP15 Series 1.50mm(.069") SMT Headers

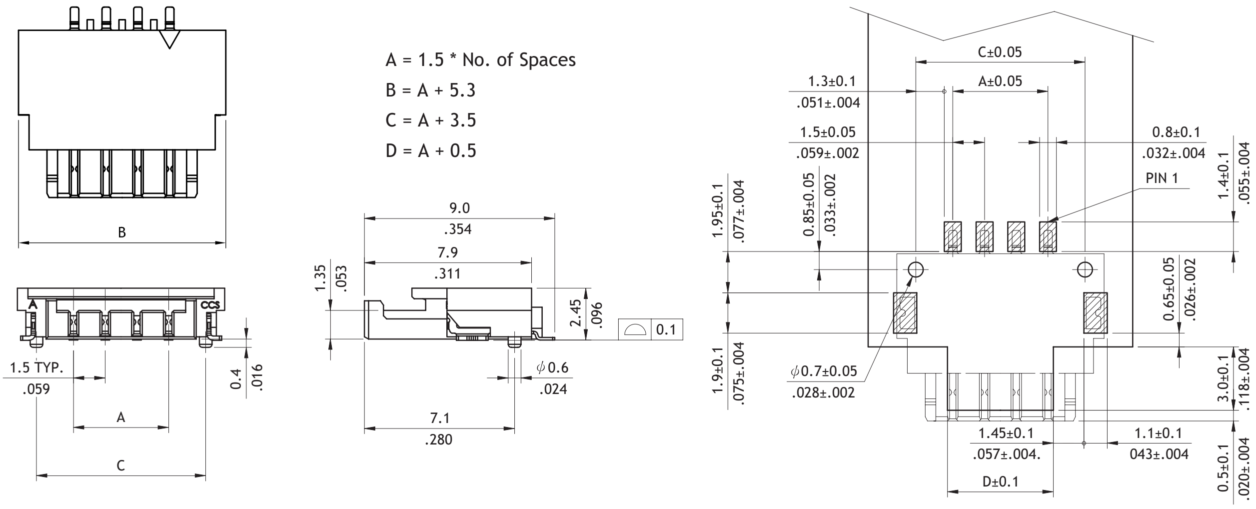
- ◎ Simplify manufacturing procedure
- ◎ Reduce the Cost
- ◎ Insulator: High temperature plastic UL 94V-0
- ◎ With metal fixed tabs to secure connector in place

RoHS Compliant Pb HF









Ordering Code

❶	❷	❸	❹	❺	❻	❼		❽
CP15	04	M	1	S	R	0	–	NH

❶ Series No.

❷ No. of Circuits: 02 to 10
(Available in 03, 04 pin)
*Circuits not found above,
please consult manufacturer

❸ M = SMT Type

❹ Plating:
1 = Matte Tin over Nickel

❺ Type: P = Plug
S = Receptacle

❻ Packing Options:
R = Tape & Reel (PA6T)

❼ Other Options:
0 = Standard
1 = Omitted pin No.2 (3 pin)
*Special option consult manufacturer

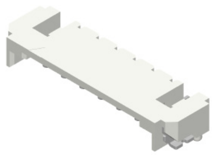
❽ -NH = For Lead Free soldering process and
Halogen-Free

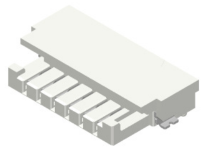
CP15 Series 1.50mm(.069") SMT Headers

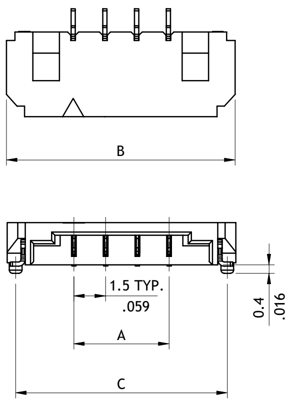
NEW

- ◎ With more height, width and enhanced structure
- ◎ Simplify manufacturing procedure
- ◎ Reduce the Cost
- ◎ Insulator: High temperature plastic UL 94V-0
- ◎ With metal fixed tabs to secure connector in place

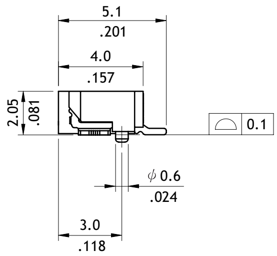
RoHS Compliant

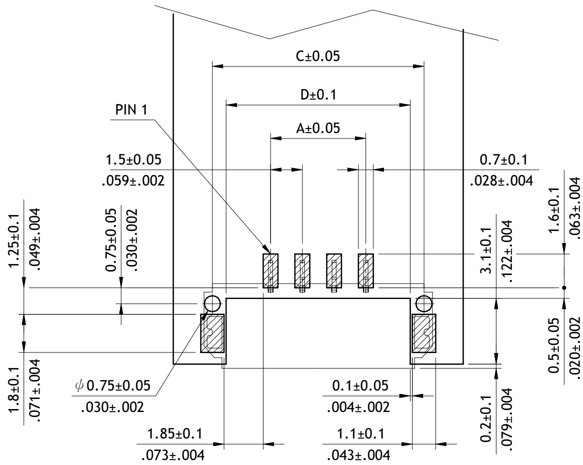


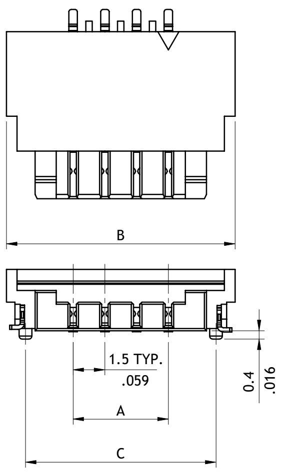




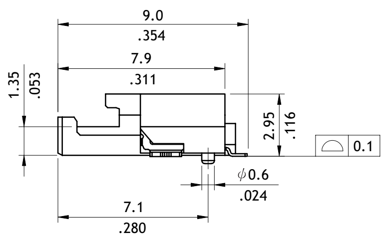
A = 1.5 * No. of Spaces
B = A + 6.3
C = A + 5.5
D = A + 4.2

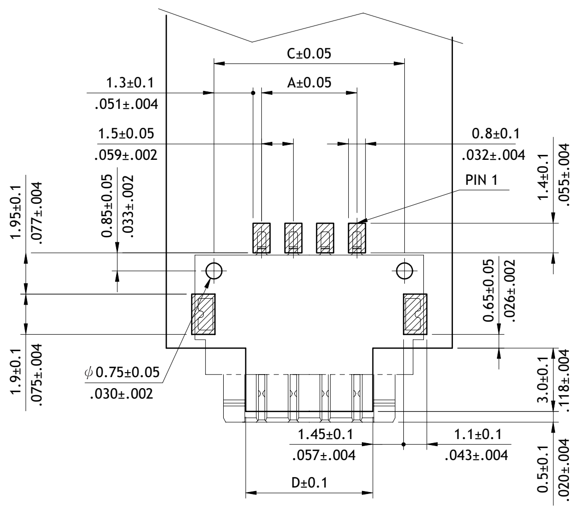






A = 1.5 * No. of Spaces
B = A + 6.3
C = A + 4.5
D = A + 1.5





Ordering Code

❶	❷	❸	❹	❺	❻	❼		❽
CP15	04	M	1	S	R	B	–	NH

❶ Series No.
❷ No. of Circuits: 02 to 10
(Available in 03, 04 pin)
*Circuits not found above,
please consult manufacturer
❸ M = SMT Type

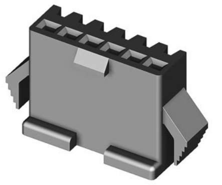
❹ Plating:
1 = Matte Tin over Nickel
❺ Type: P = Plug
S = Receptacle
❻ Packing Options:
P = Tape & Reel (LCP)
R = Tape & Reel (PA6T)

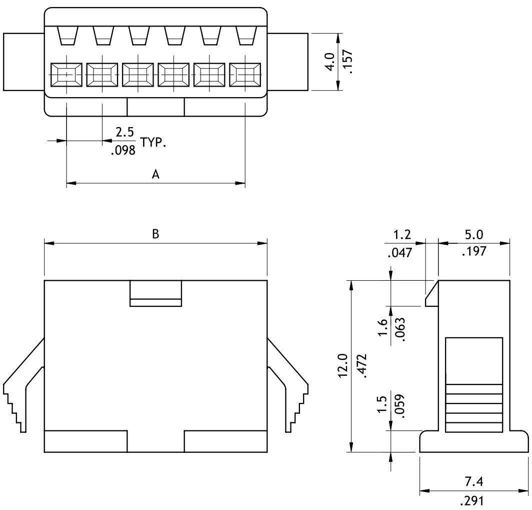
❼ Other Options:
A = Omitted pin No.2 (3 pin)
B = Full of pin
*Special option consult manufacturer
❽ -NH = For Lead Free soldering process and
Halogen-Free

CP06 Series 2.50mm(.098") Receptacle Connectors

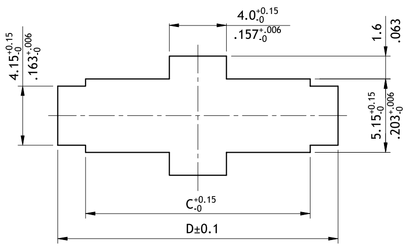
◎ With locking latch mounting ears
◎ Available in 2 through 12 circuits
◎ Can be used CP06 Crimp Terminal
◎ Nylon 66 UL 94V-2, Color Black

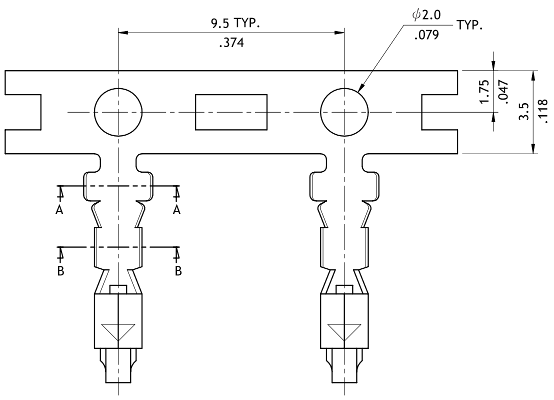
RoHS Compliant HF

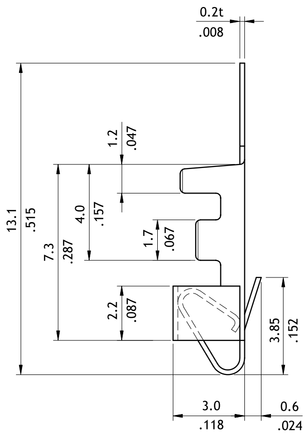




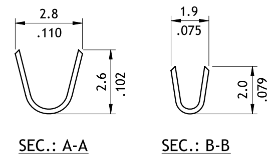
Circuits	Dimension			Dimension D		
	A	B	C	t= 0.5~0.9mm	t= 1.0~1.5mm	t= 1.5~2.0mm
2	2.5(.098)	5.7(.224)	5.8(.228)	9.6(.378)	9.8(.386)	10.0(.394)
3	5.0(.197)	8.2(.323)	8.3(.327)	12.1(.476)	12.3(.484)	12.5(.492)
4	7.5(.295)	10.7(.421)	10.8(.425)	14.6(.575)	14.8(.583)	15.0(.591)
5	10.0(.394)	13.2(.519)	13.3(.524)	17.1(.673)	17.3(.681)	17.5(.689)
6	12.5(.492)	15.7(.618)	15.8(.622)	19.6(.772)	19.8(.780)	20.0(.787)
7	15.0(.591)	18.2(.717)	18.3(.720)	22.1(.870)	22.3(.878)	22.5(.886)
8	17.5(.689)	20.7(.815)	20.8(.819)	24.6(969)	24.8(.976)	25.0(.984)
9	20.0(.787)	23.2(.913)	23.3(.917)	27.1(1.067)	27.3(1.075)	27.5(1.083)
10	22.5(.886)	25.7(1.021)	25.8(1.016)	29.6(1.165)	29.8(1.173)	30.0(1.181)
11	25.0(.984)	28.2(.1110)	28.3(1.114)	32.1(1.264)	32.3(1.272)	32.5(1.280)
12	27.5(1.083)	30.7(1.209)	30.8(1.213)	34.6(1.362)	34.8(1.370)	35.0(1.378)







Wire Range	Insulation Diameter	Reel Q'ty
AWG #22~#28	1.70 (.064) MAX.	7,000 PCS.



Ordering Code

❶ ❷ ❸ ❹ ❺
CP06 12 S 001 0

❶ Series No.
❷ No. of Circuits: 02 to 12
❸ Type: S = Receptacle
❹ Color: 001 = Color Black
❺ Other Options: 0 = Standard
*Special options consult manufacturer

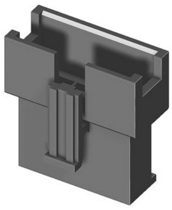
❶ ❷ ❸ ❹ ❺ ❻
CP06 T02 1 B E S

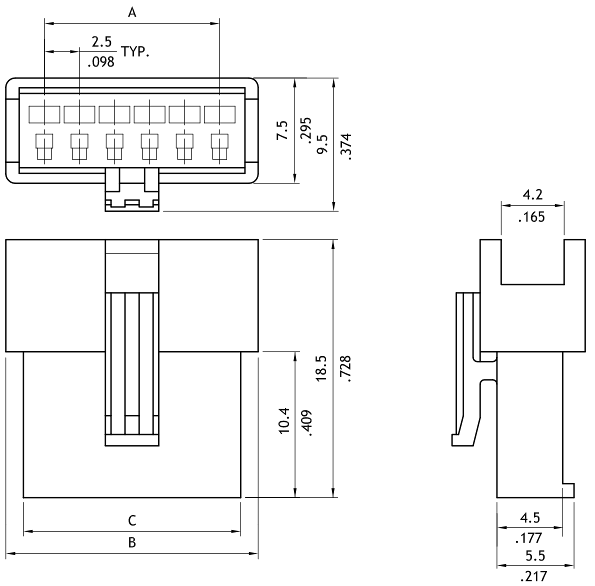
❶ Series No.
❷ Wire Range: T02 = AWG #22 ~ #28
❸ Plating: 1 = Tin over Nickel
❹ Material: B = Brass
❺ Plating method: E = Pre-tinned
❻ Style: S = Receptacle Terminal

CP06 Series 2.50mm(.098") Plug Connectors

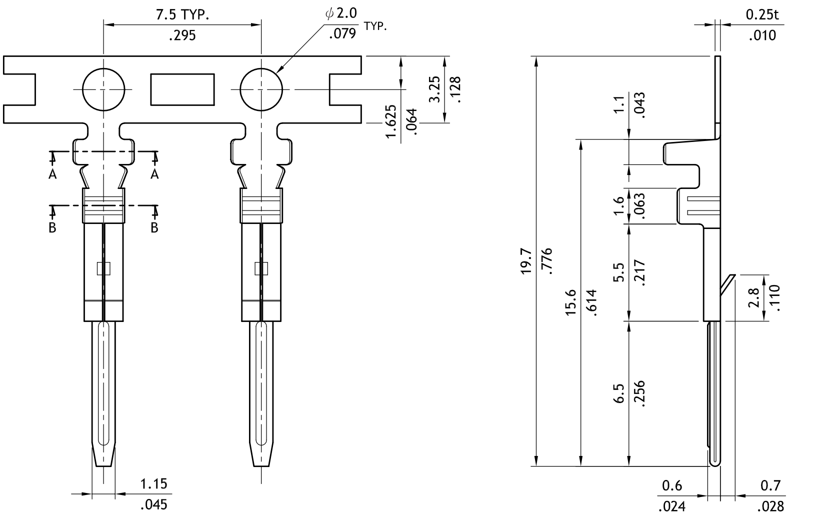
◎ With locking latch mounting ears
◎ Available in 2 through 12 circuits
◎ Can be used CP06 Crimp Terminal
◎ Nylon 66 UL 94V-2, Color Black

RoHS Compliant HF

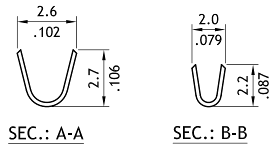




Circuits	Dimension		
	A	B	C
2	2.5(.098)	8.2(.323)	5.5(.216)
3	5.0(.197)	10.7(.421)	8.0(.315)
4	7.5(.295)	13.2(.519)	10.5(.413)
5	10.0(.394)	15.7(.618)	13.0(.512)
6	12.5(.492)	18.2(.717)	15.5(.610)
7	15.0(.591)	20.7(.815)	18.0(.709)
8	17.5(.689)	23.2(.915)	20.5(.807)
9	20.0(.787)	25.7(1.012)	23.0(.905)
10	22.5(.886)	28.2(1.110)	25.5(1.004)
11	25.0(.984)	30.7(1.209)	28.0(1.102)
12	27.5(1.083)	33.2(1.307)	30.5(1.201)



Wire Range	Insulation Diameter	Reel Q'ty
AWG #22~#28	1.70 (.067) MAX.	7000 PCS.



Ordering Code

❶	❷	❸	❹	❺
CP06	12	P	001	0

❶ Series No.
❷ No. of Circuits: 02 to 12
❸ Type: P = Plug
❹ Color: 001 = Color Black
❺ Other Options: 0 = Standard
*Special options consult manufacturer

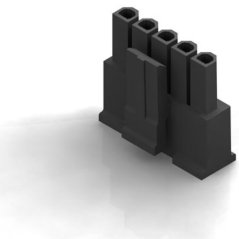
❶	❷	❸	❹	❺	❻
CP06	T02	1	B	E	P

❶ Series No.
❷ Wire Range: T02 = AWG #22 ~ #28
❸ Plating: 1 = Tin over Nickel
❹ Material: B = Brass
❺ Plating method: E = Pre-tinned
❻ Style: P = Plug Terminal

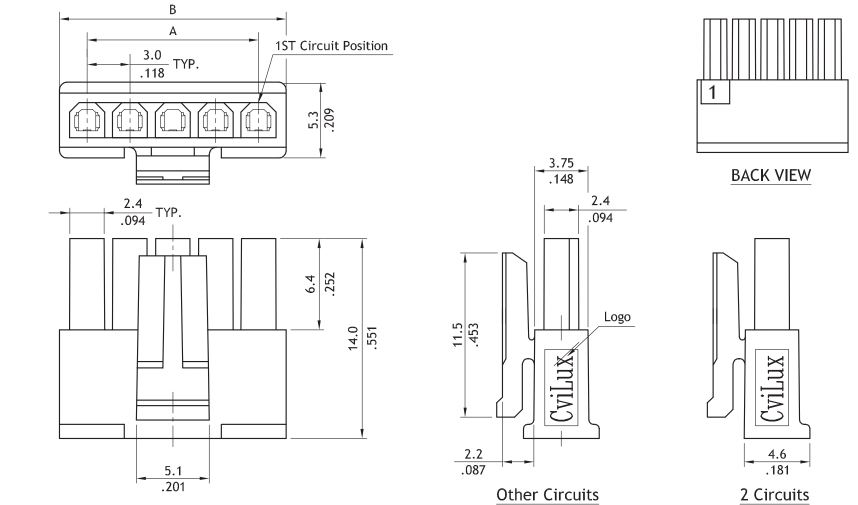
CP35 Series 3.00mm(.118") Single Row Housing Connectors

◎ With locking latch mounting ears
◎ Available in 2 through 12 circuits
◎ Can be used CP35 Crimp Terminal
◎ Thermal Polyester UL 94V-0, Color Black

RoHS Compliant

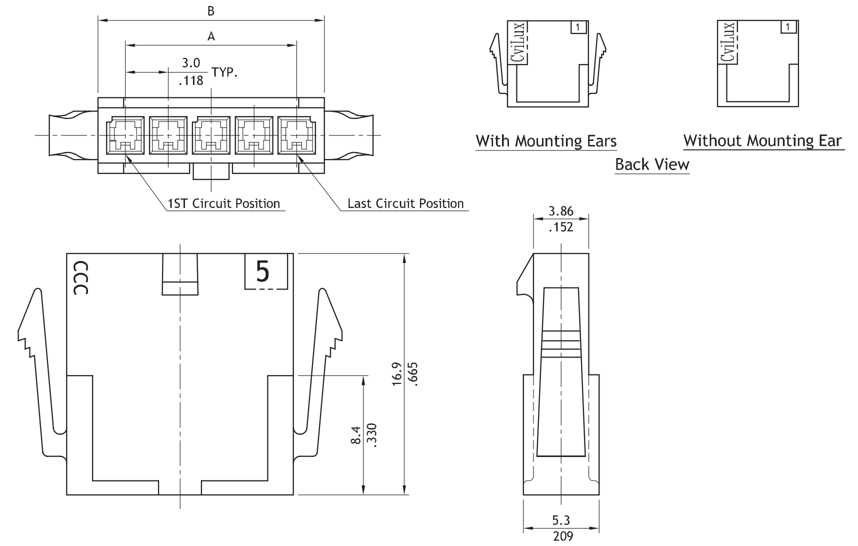


P/N	CP35**S001S

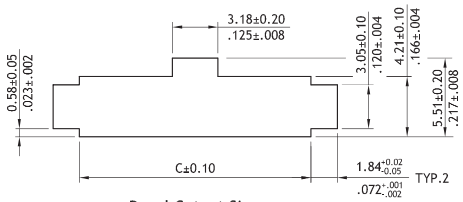


Circuits	Dimension	
	A	B
2	3.0(.118)	6.9(.272)
3	6.0(.236)	9.9(.390)
4	9.0(.354)	12.9(.508)
5	12.0(.472)	15.9(.626)
6	15.0(.591)	18.9(.744)
7	18.0(.709)	21.9(.862)
8	21.0(.827)	24.9(.980)
9	24.0(.945)	27.9(1.098)
10	27.0(1.063)	30.9(1.217)
11	30.0(1.181)	33.9(1.335)
12	33.0(1.299)	36.9(1.453)

P/N	CP35**P001S



Circuits	Dimension		
	A	B	C
2	3.0(.118)	6.86(.270)	7.21(.284)
3	6.0(.236)	9.86(.388)	10.21(.402)
4	9.0(.354)	12.86(.506)	13.21(.520)
5	12.0(.472)	15.86(.624)	16.21(.638)
6	15.0(.591)	18.86(.742)	19.21(.756)
7	18.0(.709)	21.86(.860)	22.20(.874)
8	21.0(.827)	24.86(.978)	25.20(.992)
9	24.0(.945)	27.86(1.096)	28.20(1.110)
10	27.0(1.063)	30.86(1.214)	31.22(1.229)
11	30.0(1.181)	33.86(1.332)	34.22(1.347)
12	33.0(1.299)	36.86(1.450)	37.22(1.465)



Panel Cutout Size

Ordering Code

CP35 12 S 001 S
(1) (2) (3) (4) (5)

1. Series No.
2. No. of Circuits: 02 to 12
3. Type: S = Receptacle
4. Color: 001 = Color Black
5. Other Options: S = Single Row Type

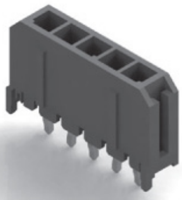
CP35 12 P 0 01 S
(1) (2) (3) (4) (5) (6)

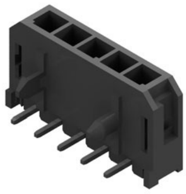
1. Series No.
2. No. of Circuits: 02 to 12
3. Type: P = Plug
4. Options:
   0 = With mounting ears
   R = Without mounting ear
5. Color: 01 = Color Black
6. Other Options:
   S = Single Row Type
   *Special options consult manufacturer

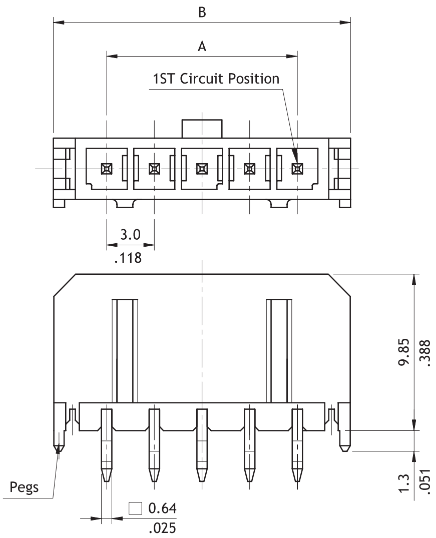
CP35 Series 3.00mm(.118") Single Row Board Mount Headers

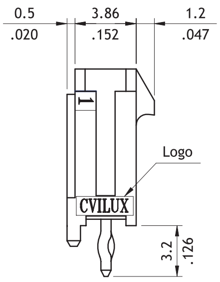
◎ Mate with CP35 Connector
◎ Shrouded header with PCB mounting pegs or board locks
◎ Available straight and right angle solder Tails

RoHS Compliant

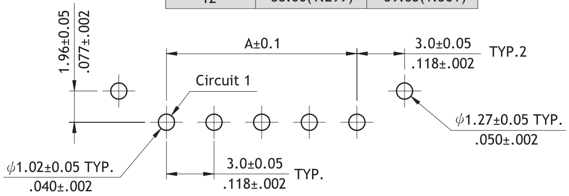




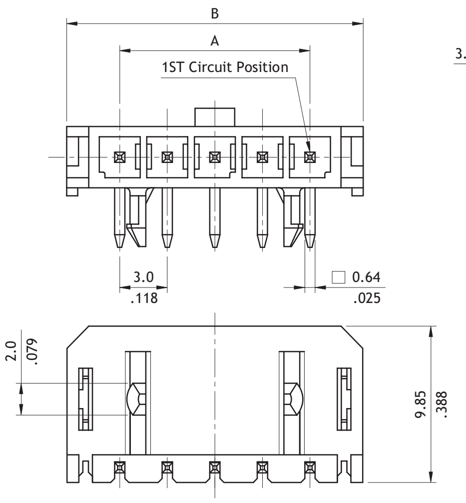


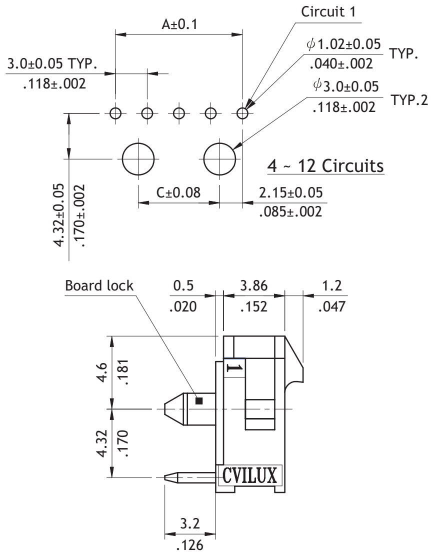


CIRCUITS	DIM.A	DIM.B
2	3.00(.118)	9.65(.380)
3	6.00(.236)	12.65(.498)
4	9.00(.354)	15.65(.616)
5	12.00(.472)	18.65(.734)
6	15.00(.591)	21.65(.852)
7	18.00(.709)	24.65(.970)
8	21.00(.827)	27.65(1.089)
9	24.00(.945)	30.65(1.207)
10	27.00(1.063)	33.65(1.325)
11	30.00(1.181)	36.65(1.443)
12	33.00(1.299)	39.65(1.561)



Recommended P.C. Board layout





CIRCUITS	DIM.A	DIM.B	DIM.C
2	3.00(.118)	9.65(.380)	NA
3	6.00(.236)	12.65(.498)	4.7(.185)
4	9.00(.354)	15.65(.616)	7.7(.303)
5	12.00(.472)	18.65(.734)	10.7(.421)
6	15.00(.591)	21.65(.852)	13.7(.539)
7	18.00(.709)	24.65(.970)	16.7(.657)
8	21.00(.827)	27.65(1.089)	19.7(.776)
9	24.00(.945)	30.65(1.207)	22.7(.894)
10	27.00(1.063)	33.65(1.325)	25.7(1.012)
11	30.00(1.181)	36.65(1.443)	28.7(1.130)
12	33.00(1.299)	39.65(1.561)	31.7(1.248)

Ordering Code

❶	❷	❸	❹	❺	❻	❼		❽		❾
CP35	12	P	1	V	0	0	–	S	–	NH

❶ Series No.
❷ No. of Circuits: 02 to 12
❸ P = Plug
❹ Plating:
1 = Matte Tin over Nickel
*Optional plating available but MOQ requested

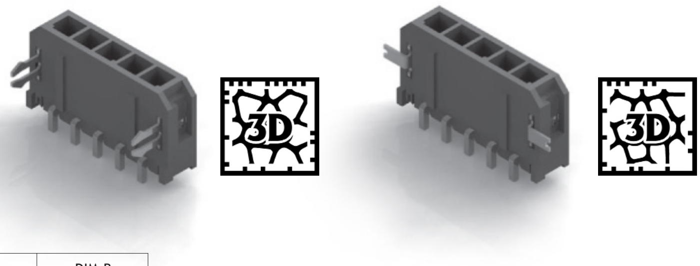
❺ Contact Type:
V = Straight
H = Right Angle
❻ Mount Type:
0 = DIP Type

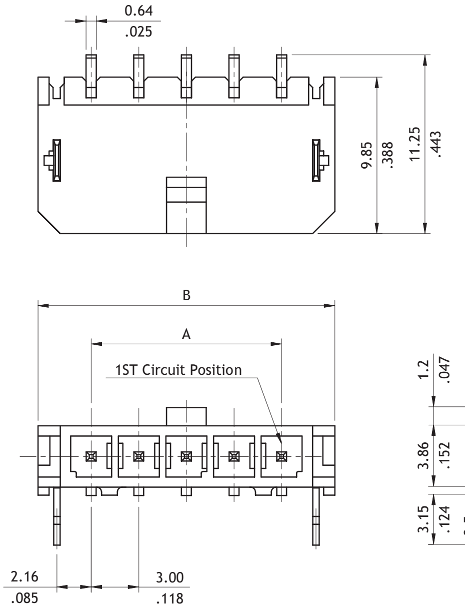
❼ Other Options:
0 = With pegs (Straight)
0 = With plastic board lock (Right Angle)
❽ S= Single Row Header
❾ -LF = For Lead Free soldering process
-NH = For Lead Free soldering process and Halogen-Free

CP35 Series 3.00mm(.118") Single Row Side Entry SMT Headers

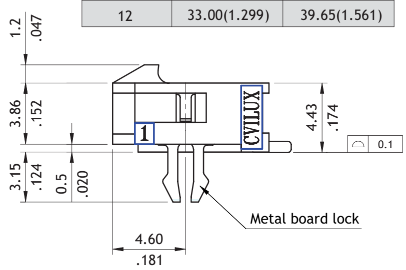
- ◎ Mate with CP35 Connector
- ◎ Shrouded header with board locks or fixed tabs
- ◎ High temperature plastic for SMT process

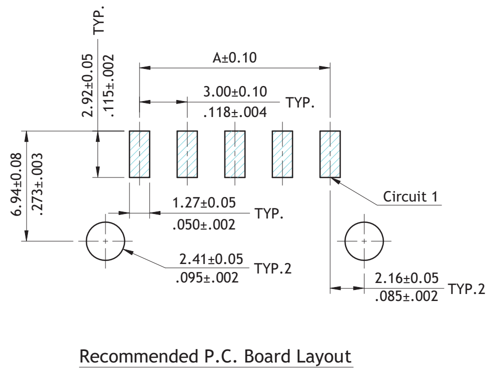
RoHS Compliant



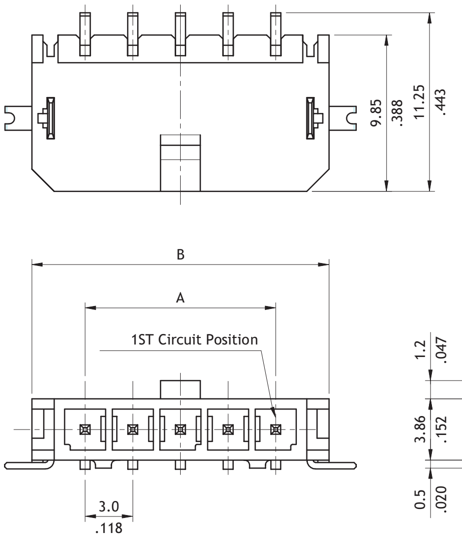


CIRCUITS	DIM.A	DIM.B
2	3.00(.118)	9.65(.380)
3	6.00(.236)	12.65(.498)
4	9.00(.354)	15.65(.616)
5	12.00(.472)	18.65(.734)
6	15.00(.591)	21.65(.852)
7	18.00(.709)	24.65(.970)
8	21.00(.827)	27.65(1.089)
9	24.00(.945)	30.65(1.207)
10	27.00(1.063)	33.65(1.325)
11	30.00(1.181)	36.65(1.443)
12	33.00(1.299)	39.65(1.561)

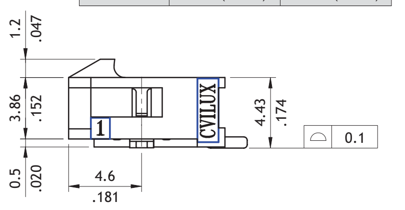


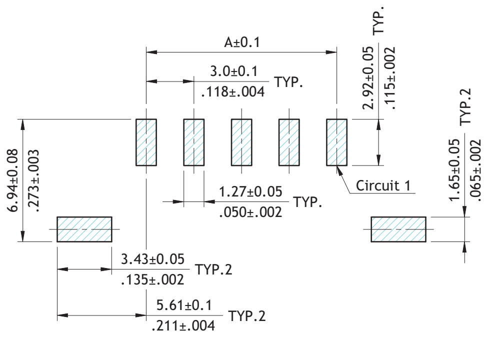


Recommended P.C. Board Layout



CIRCUITS	DIM.A	DIM.B
2	3.00(.118)	9.65(.380)
3	6.00(.236)	12.65(.498)
4	9.00(.354)	15.65(.616)
5	12.00(.472)1	8.65(.734)
6	15.00(.591)	21.65(.852)
7	18.00(.709)	24.65(.970)
8	21.00(.827)	27.65(1.089)
9	24.00(.945)	30.65(1.207)
10	27.00(1.063)	33.65(1.325)
11	30.00(1.181)	36.65(1.443)
12	33.00(1.299)	39.65(1.561)





Recommended P.C. Board Layout

Ordering Code

❶	❷	❸	❹	❺	❻	❼		❽		❾
CP35	12	P	1	H	S	0	–	S	–	NH

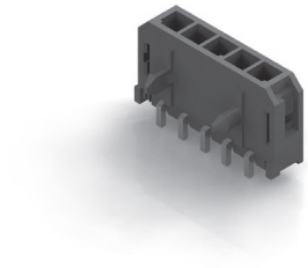
❶ Series No.
❷ No. of Circuits: 02 to 12
❸ P = Plug
❹ Plating: 1 = Matte Tin over Nickel
*Optional plating available but
MOQ requested
❺ Contact Type: H = Side Entry
❻ Mount Type: S = SMT Type

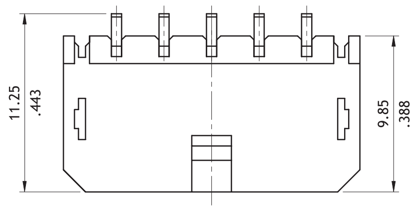
❼ Other Options:
0 = With Metal board lock
T = With With Fixed Tabs
(Available for Tape & Reel)
❽ S= Single Row Header
❾ -LF = For Lead Free soldering process
-NH = For Lead Free soldering process and
Halogen-Free

CP35 Series 3.00mm(.118") Single Row Side Entry SMT Headers

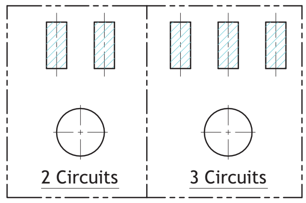
◎ Mate with CP35 Connector
◎ Shrouded header with board locks or fixed tabs
◎ High temperature plastic for SMT process

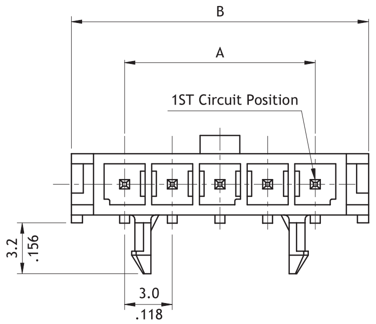
RoHS Compliant

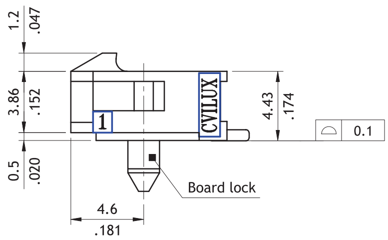


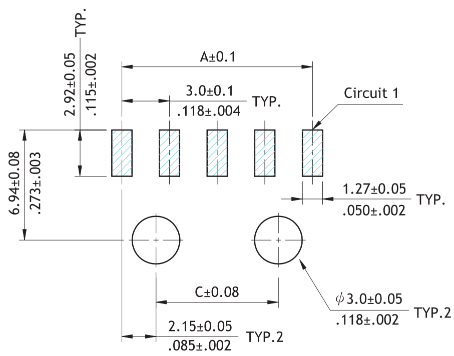


CIRCUITS	DIM.A	DIM.B	DIM.C
2	3.00(.118)	9.65(.380)	NA
3	6.00(.236)	12.65(.498)	NA
4	9.00(.354)	15.65(.616)	4.7(.185)
5	12.00(.472)	18.65(.734)	7.7(.303)
6	15.00(.591)	21.65(.852)	10.7(.421)
7	18.00(.709)	24.65(.970)	13.7(.539)
8	21.00(.827)	27.65(1.089)	16.7(.657)
9	24.00(.945)	30.65(1.207)	19.7(.776)
10	27.00(1.063)	33.65(1.325)	22.7(.894)
11	30.00(1.181)	36.65(1.443)	25.7(1.012)
12	33.00(1.299)	39.65(1.561)	28.7(1.130)









Recommended P.C. Board Layout

Ordering Code

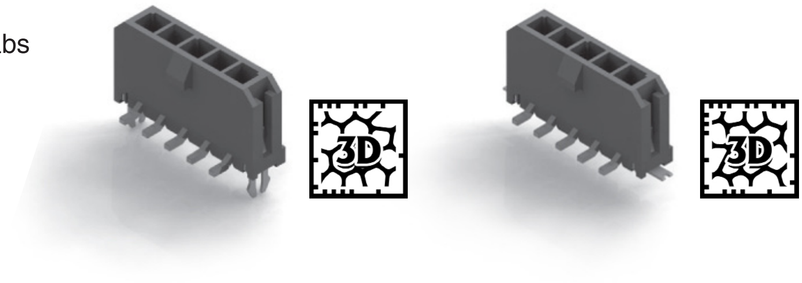
CP35 (1) 12 (2) P (3) 1 (4) H (5) S (6) P (7) – S (8) – NH (9)

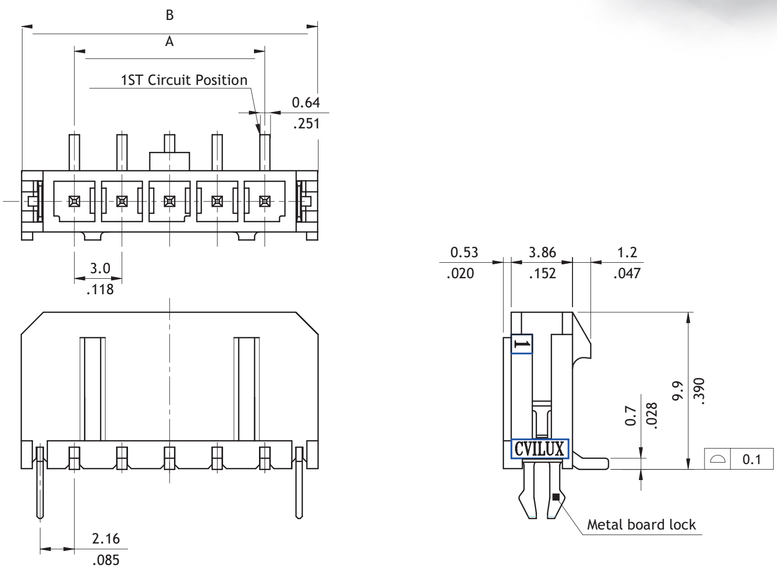
1. Series No.
2. No. of Circuits: 02 to 12
3. P = Plug
4. Plating: 1 = Matte Tin over Nickel
   *Optional plating available but MOQ requested
5. Contact Type: H = Side Entry
6. Mount Type: S = SMT Type
7. Other Options:
   P = With plastic board lock
8. S= Single Row Header
9. -LF = For Lead Free soldering process
   -NH = For Lead Free soldering process and Halogen-Free

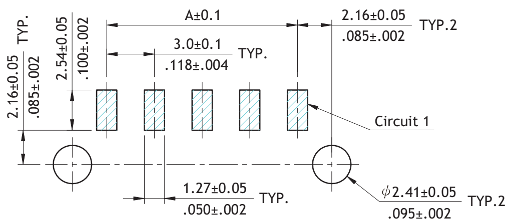
CP35 Series 3.00mm(.118") Single Row Top Entry SMT Headers

- ◎ Mate with CP35 Connector
- ◎ Shrouded header with board locks or fixed tabs
- ◎ With metal pick and place Pad
- ◎ High temperature plastic for SMT process

RoHS Compliant

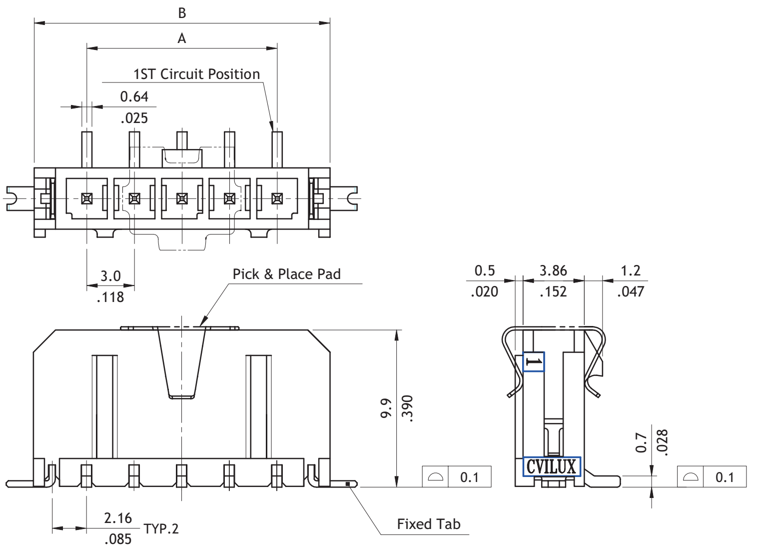


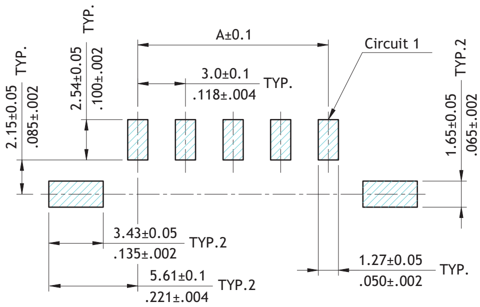




Recommended P.C. Board Layout

CIRCUITS	DIM.A	DIM.B
2	3.00(.118)	9.65(.380)
3	6.00(.236)	12.65(.498)
4	9.00(.354)	15.65(.616)
5	12.00(.472)	18.65(.734)
6	15.00(.591)	21.65(.852)
7	18.00(.709)	24.65(.970)
8	21.00(.827)	27.65(1.089)
9	24.00(.945)	30.65(1.207)
10	27.00(1.063)	33.65(1.325)
11	30.00(1.181)	36.65(1.443)
12	33.00(1.299)	39.65(1.561)





Recommended P.C. Board Layout

Ordering Code

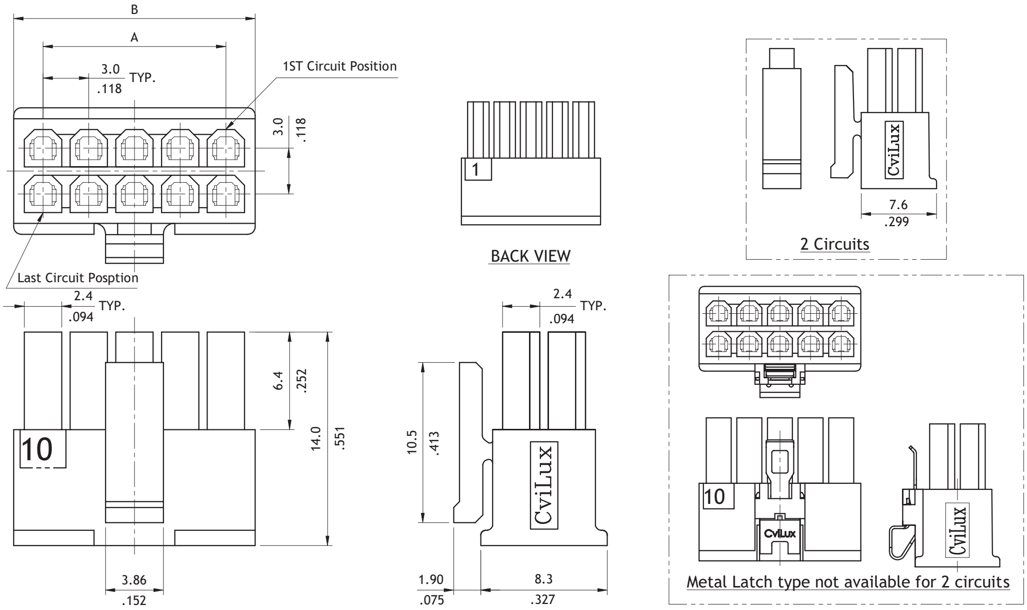
❶	❷	❸	❹	❺	❻	❼		❽		❾
CP35	12	P	1	V	S	0	–	S	–	NH

❶ Series No.
❷ No. of Circuits: 02 to 12
❸ P = Plug
❹ Plating: 1 = Matte Tin over Nickel
*Optional plating available but MOQ requested
❺ Contact Type: V = Top Entry
❻ Mount Type: S = SMT Type
❼ Other Options:
0 = With Metal board locks (Standard)
T = With Fixed Tabs
(Available for Tape & Reel)
❽ S= Single Row Header
❾ -LF = For Lead Free soldering process
-NH = For Lead Free soldering process and Halogen-Free

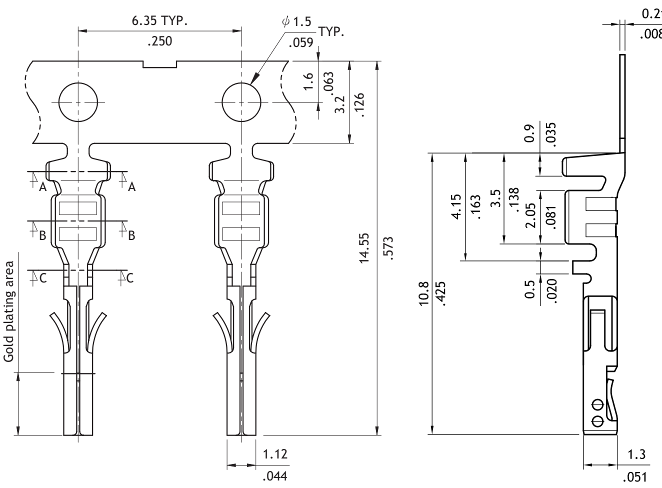
CP35 Series 3.00mm(.118") Dual Row Receptacle Connectors

◎ With locking latch
◎ Available in 2 through 24 circuits
◎ Can be used CP35 Crimp Terminal
◎ Thermal Polyester UL 94V-0, Color Black
◎ Terminal accommodated AWG #20 ~ #30

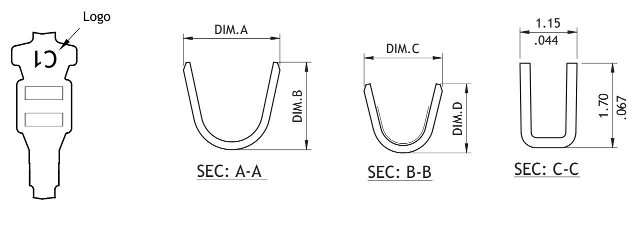
RoHS Compliant



Circuits	Dimension	
	A	B
2	—	3.9(.154)
4	3.0(.118)	6.9(.272)
6	6.0(.236)	9.9(.390)
8	9.0(.354)	12.9(.508)
10	12.0(.472)	15.9(.626)
12	15.0(.591)	18.9(.744)
14	18.0(.709)	21.9(.862)
16	21.0(.827)	24.9(.980)
18	24.0(.945)	27.9(1.098)
20	27.0(1.063)	30.9(1.217)
22	30.0(1.181)	33.9(1.335)
24	33.0(1.299)	36.9(1.453)



P/N	Wire Gauge	Insulation Diameter	Reel Q'ty	DIM.A	DIM.B	DIM.CD	IM.D
CP35TN1*PES	AWG #26~#30	1.35 .053 MAX.	12,000 PCS	2.1 (.083)	1.9 (.075)	1.7 (.067)	1.5 (.59)
CP35TN2*PES	AWG #20~#24	1.80 .071 MAX.	12,000 PCS	2.5 (.098)	2.4 (.094)	2.1 (.083)	2.0 (.079)



Ordering Code

❶ ❷ ❸ ❹ ❺ ❻
CP35 24 S 00 1 0

❶ Series No.
❷ No. of Circuits: 02 to 24
❸ S = Receptacle
❹ Type: 00 = Standard, ML = Metal Latch Type
❺ Color: 1 = Color Black
❻ Other Options: 0 = Standard
*Special options consult manufacturer

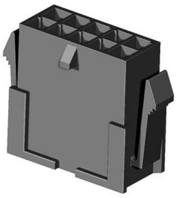
❶ ❷ ❸ ❹ ❺ ❻
CP35 TN2 1 P E S

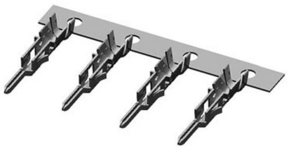
❶ Series No.
❷ Wire Range:
TN1 = AWG #26 ~ #30
TN2 = AWG #20 ~ #24
❸ Plating: 1 = Tin over Nickel
A = Selective Gold flash over Nickel
*Optional plating available but MOQ requested
❹ Material:
P = Phosphor Bronze
❺ Plating method: E = Pre-tinned
❻ Style: S = Receptacle Terminal

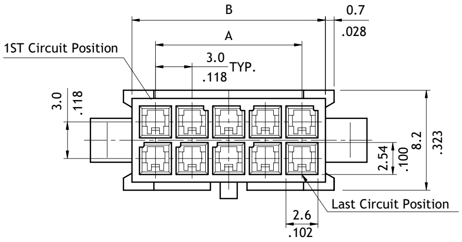
CP35 Series 3.00mm(.118") Dual Row Plug Connectors

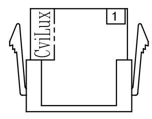
- With mounting ears
- Available in 2 through 24 circuits
- Can be used CP35 Crimp Terminal
- Thermal Polyester UL 94V-0, Color Black
- Terminal accommodated AWG #20 ~ #30

RoHS Compliant



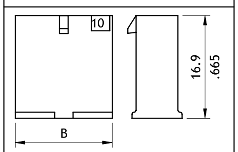




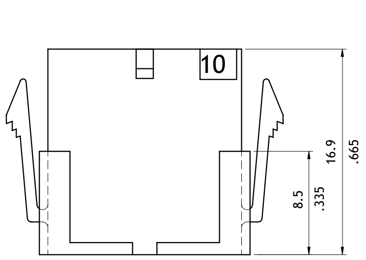


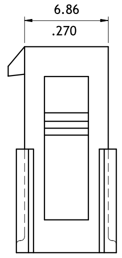
Back View

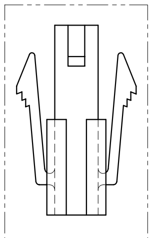
Without ear



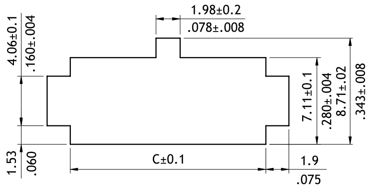
Circuits	Dimension		
	A	B	C
2	—	3.9(.154)	4.09(.161)
4	3.0(.118)	6.9(.272)	7.09(.279)
6	6.0(.236)	9.9(.390)	10.08(.397)
8	9.0(.354)	12.9(.508)	13.08(.515)
10	12.0(.472)	15.9(.626)	16.06(.633)
12	15.0(.591)	18.9(.744)	19.08(.751)
14	18.0(.709)	21.9(.862)	22.07(.869)
16	21.0(.827)	24.9(.980)	25.07(.967)
18	24.0(.945)	27.9(1.098)	26.07(1.105)
20	27.0(1.063)	30.9(1.217)	31.06(1.223)
22	30.0(1.181)	33.9(1.335)	34.06(1.341)
24	33.0(1.299)	36.9(1.453)	37.06(1.459)



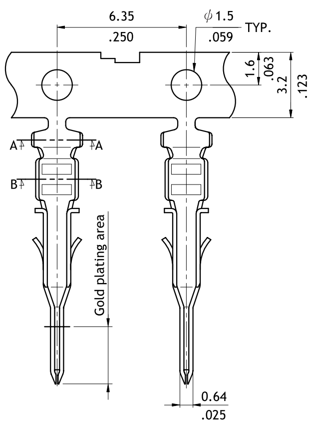


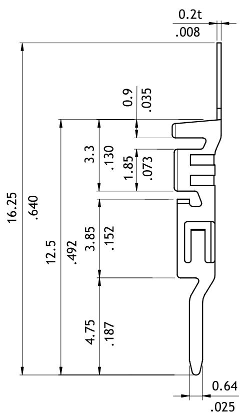


2 Circuits

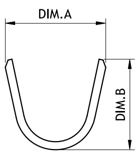


Panel Cutout Size

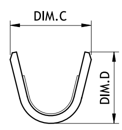




P/N	Wire Gauge	Insulation Diameter	Reel Q'ty	DIM.A	DIM.B	DIM.C	DIM.D
CP35TN1*PEP	AWG #26~#30	1.35 .053 MAX.	12,000 PCS	2.1 (.083)	1.9 (.075)	1.7 (.067)	1.5 (.059)
CP35TN2*PEP	AWG #20~#24	1.80 .071 MAX.	12,000 PCS	2.5 (.098)	2.4 (.094)	2.1 (.083)	2.0 (.079)



SEC: A-A



SEC: B-B

Ordering Code

❶	❷	❸	❹	❺
CP35	24	P	001	0

❶ Series No.
❷ No. of Circuits: 02 to 24
❸ P = Plug
❹ Color: 001 = Color Black
❺ Other Options:
0 = Standard ; B = Without Ear
*Special options consult manufacturer

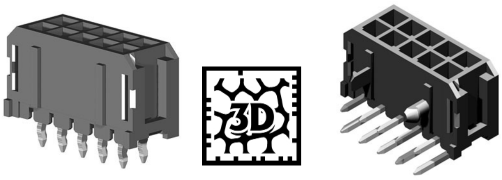
❶	❷	❸	❹	❺	❻
CP35	TN2	1	P	E	P

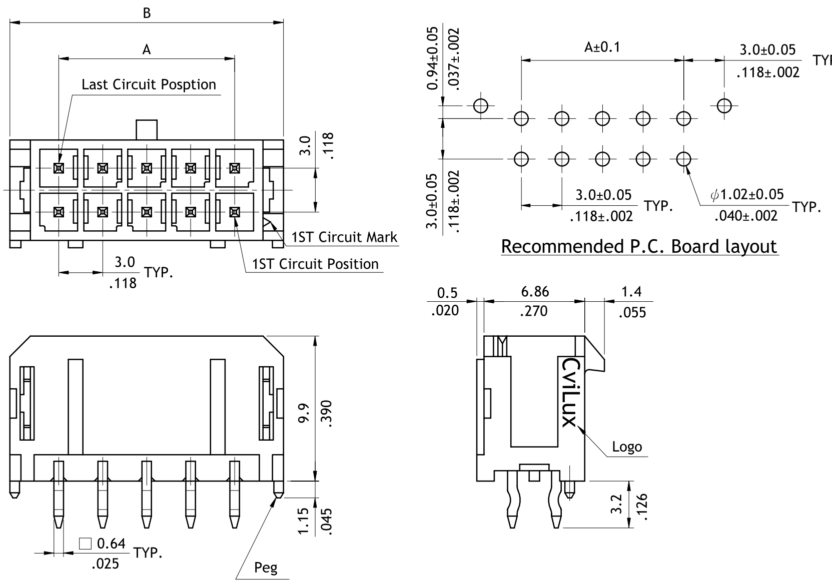
❶ Series No.
❷ Wire Range:
TN1 = AWG #26 ~ #30
TN2 = AWG #20 ~ #24
❸ Plating:
1 = Tin over Nickel
A = Selective Gold flash over Nickel
*Optional plating available but MOQ requested
❹ Material:
P = Phosphor Bronze
❺ Plating Method: E = Pre-tinned
❻ Style: P = Plug Terminal

CP35 Series 3.00mm(.118") Dual Row Board Mount Headers

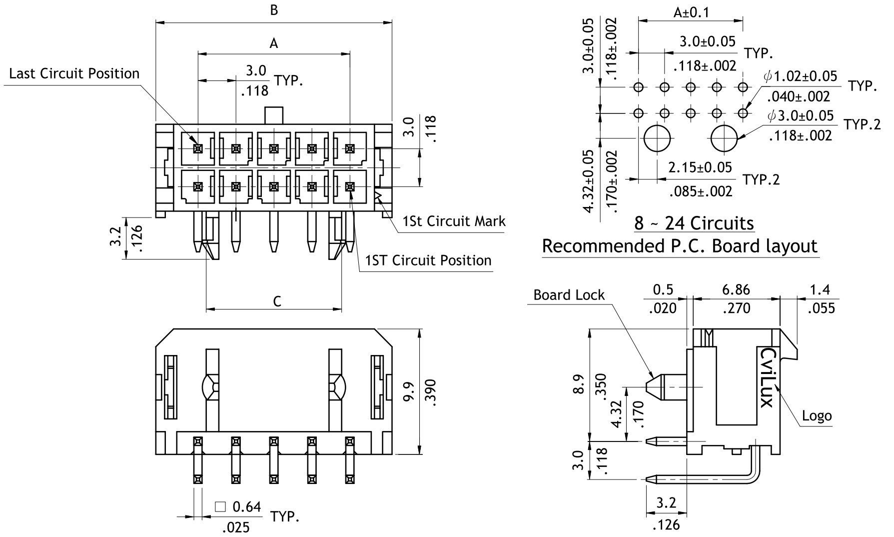
◎ Mate with CP35 Connecter
◎ Shrouded header with PCB mounting pegs or board locks
◎ Available straight and right angle solder Tails

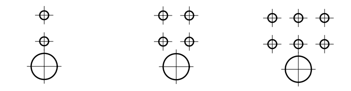
RoHS Compliant





Circuits	Dimension	
	A	B
2	—	6.7(.264)
4	3.0(.118)	9.7(.382)
6	6.0(.236)	12.7(.500)
8	9.0(.354)	15.7(.618)
10	12.0(.472)	18.7(.657)
12	15.0(.591)	21.7(.854)
14	18.0(.709)	24.7(.972)
16	21.0(.827)	27.7(1.091)
18	24.0(.945)	30.7(1.209)
20	27.0(1.063)	33.7(1.327)
22	30.0(1.181)	36.7(1.445)
24	33.0(1.299)	39.7(1.563)





Circuits	Dimension		
	A	B	C
2	—	6.7(.264)	—
4	3.0(.118)	9.7(.382)	—
6	6.0(.236)	12.7(.500)	—
8	9.0(.354)	15.7(.618)	7.7(.303)
10	12.0(.472)	18.7(.657)	10.7(.421)
12	15.0(.591)	21.7(.854)	13.7(.539)
14	18.0(.709)	24.7(.972)	16.7(.657)
16	21.0(.827)	27.7(1.091)	19.7(.776)
18	24.0(.945)	30.7(1.209)	22.7(.894)
20	27.0(1.063)	33.7(1.327)	25.7(1.012)
22	30.0(1.181)	36.7(1.445)	28.7(1.130)
24	33.0(1.299)	39.7(1.563)	31.7(1.248)

Ordering Code

❶	❷	❸	❹	❺	❻	❼		❽
CP35	24	P	1	V	0	0	–	NH

❶ Series No.
❷ No. of Circuits: 02 to 24
❸ P = Plug
❹ Plating:
 1 = Matte Tin over Nickel
 *Optional plating available but MOQ requested

❺ Contact Type:
 V = Straight
 H = Right Angle
❻ Mount Type:
 0 = DIP Type

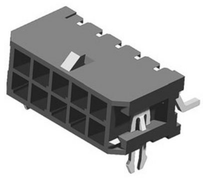
❼ Other Options:
 0 = With pegs (Straight)
 0 = With plastic board locks (Right Angle)
❽ -LF = For Lead Free soldering process
 -NH = For Lead Free soldering process and Halogen-Free

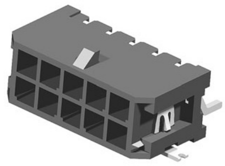
CP

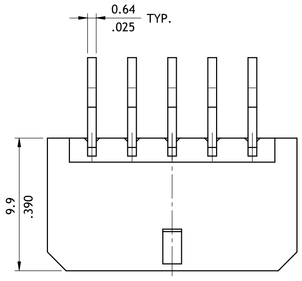
CP35 Series 3.00mm(.118") Dual Row Side Entry SMT Headers

◎ Mate with CP35 Connecter
◎ Shrouded header with board locks or fixed tabs
◎ High temperature plastic for SMT process

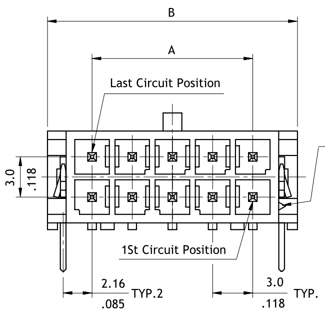
RoHS Compliant

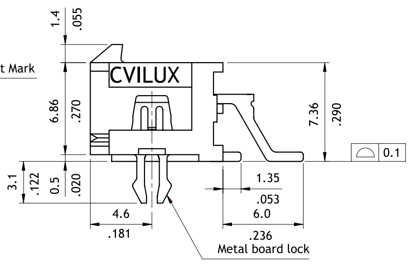


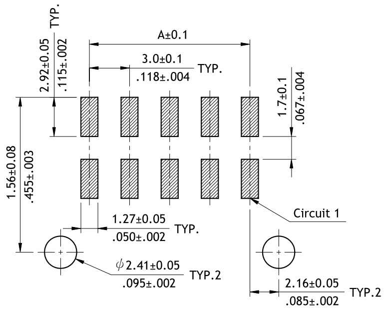




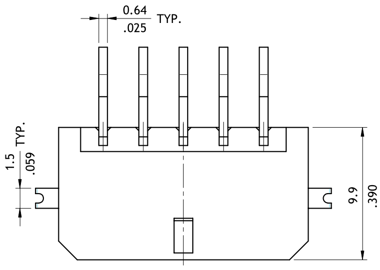
Circuits	Dimension	
	A	B
2	—	6.7(.264)
4	3.0(.118)	9.7(.382)
6	6.0(.236)	12.7(.500)
8	9.0(.354)	15.7(.618)
10	12.0(.472)	18.7(.657)
12	15.0(.591)	21.7(.854)
14	18.0(.709)	24.7(.972)
16	21.0(.827)	27.7(1.091)
18	24.0(.945)	30.7(1.209)
20	27.0(1.063)	33.7(1.327)
22	30.0(1.181)	36.7(1.445)
24	33.0(1.299)	39.7(1.563)



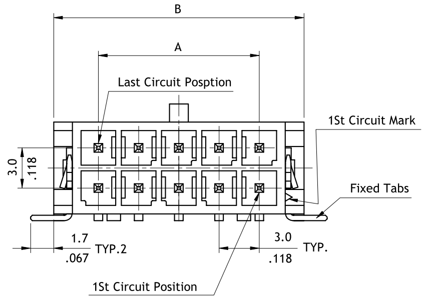


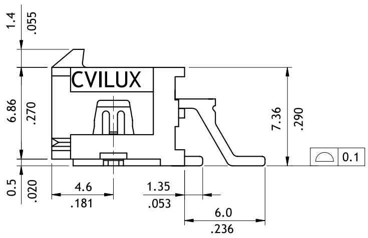


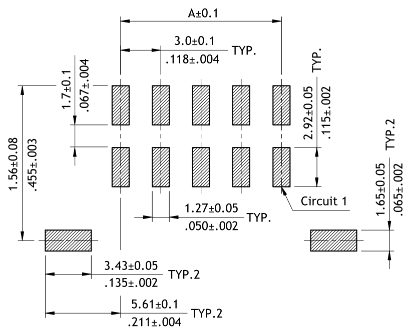
Recommended P.C. Board Layout



Circuits	Dimension	
	A	B
2	—	6.7(.264)
4	3.0(.118)	9.7(.382)
6	6.0(.236)	12.7(.500)
8	9.0(.354)	15.7(.618)
10	12.0(.472)	18.7(.657)
12	15.0(.591)	21.7(.854)
14	18.0(.709)	24.7(.972)
16	21.0(.827)	27.7(1.091)
18	24.0(.945)	30.7(1.209)
20	27.0(1.063)	33.7(1.327)
22	30.0(1.181)	36.7(1.445)
24	33.0(1.299)	39.7(1.563)







Recommended P.C. Board Layout

Ordering Code

❶	❷	❸	❹	❺	❻	❼		❽
CP35	24	P	1	H	S	0	–	NH

❶ Series No.
❷ No. of Circuits: 02 to 24
❸ P = Plug
❹ Plating: 1 = Matte Tin over Nickel
*Optional plating available but MOQ requested
❺ Contact Type: H = Side Entry
❻ Mount Type: S = SMT Type

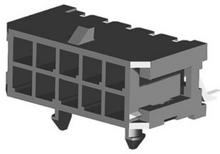
❼ Other Options:
0 = With Metal board locks (Standard)
T = With Fixed Tabs
(Available for Tape & Reel packing)
❽ -LF = For Lead Free soldering process
-NH = For Lead Free soldering process and Halogen-Free

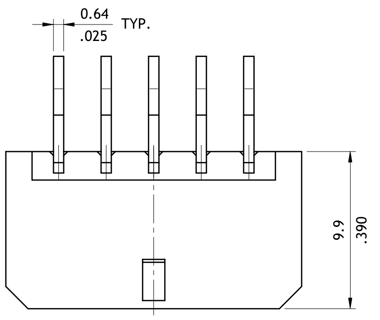
POWER CONNECTOR

CP35 Series 3.00mm(.118") Dual Row Side Entry SMT Headers

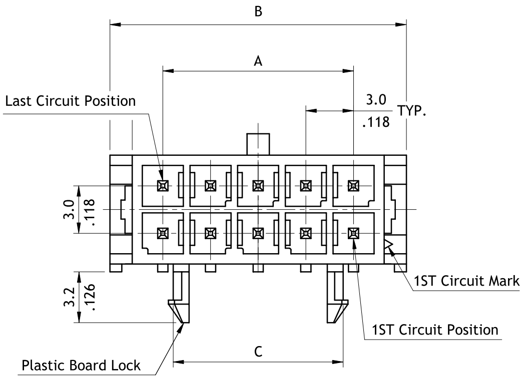
◎ Mate with CP35 Connecter
◎ Shrouded header with board locks or fixed tabs
◎ High temperature plastic for SMT process

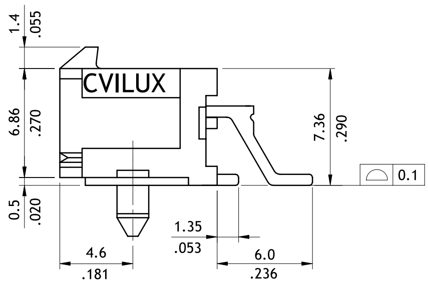
RoHS Compliant

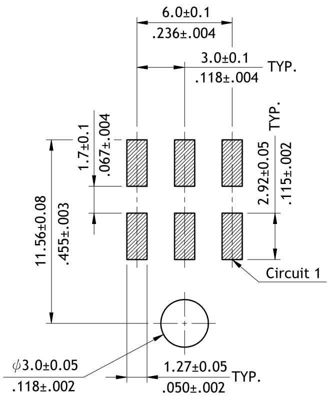




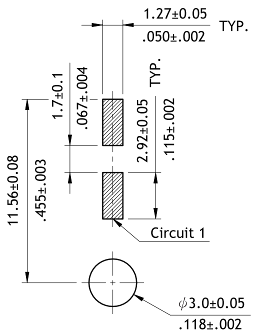
Circuits	Dimension		
	A	B	C
2	—	6.7(.264)	—
4	3.0(.118)	9.7(.382)	—
6	6.0(.236)	12.7(.500)	—
8	9.0(.354)	15.7(.618)	7.7(.303)
10	12.0(.472)	18.7(.657)	10.7(.421)
12	15.0(.591)	21.7(.854)	13.7(.539)
14	18.0(.709)	24.7(.972)	16.7(.657)
16	21.0(.827)	27.7(1.091)	19.7(.776)
18	24.0(.945)	30.7(1.209)	22.7(.894)
20	27.0(1.063)	33.7(1.327)	25.7(1.012)
22	30.0(1.181)	36.7(1.445)	28.7(1.130)
24	33.0(1.299)	39.7(1.563)	31.7(1.248)



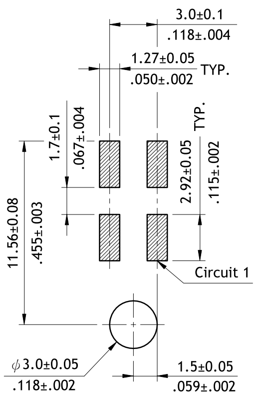




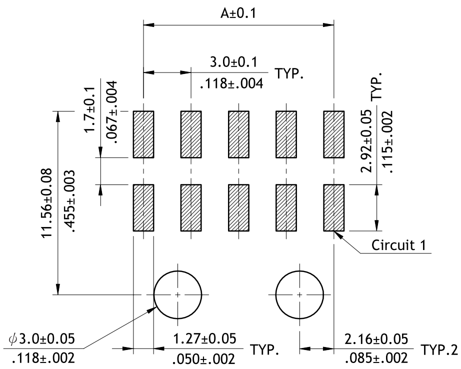
6 Circuits



2 Circuits



4 Circuits



8 ~ 24 Circuits

Recommended P.C. Board Layout

Ordering Code

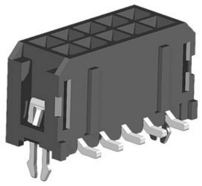
❶	❷	❸	❹	❺	❻	❼		❽
CP35	24	P	1	H	S	P	–	NH

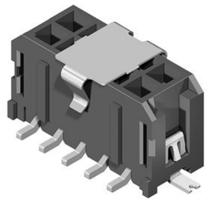
❶ Series No.
❷ No. of Circuits: 02 to 24
❸ P = Plug
❹ Plating: 1 = Matte Tin over Nickel
*Optional plating available but MOQ requested
❺ Contact Type:
H = Side Entry
❻ Mount Type:
S = SMT Type
❼ Other Options:
P = With plastic board lock
❽ -LF = For Lead Free soldering process
-NH = For Lead Free soldering process and Halogen-Free

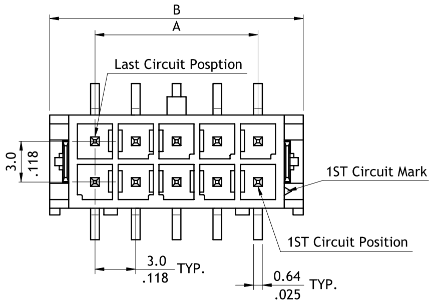
CP35 Series 3.00mm(.118") Dual Row Top Entry SMT Headers

- ◎ Mate with CP35 Connecter
- ◎ Shrouded header with board locks or fixed tabs
- ◎ With metal pick and place Pad
- ◎ High temperature plastic for SMT process

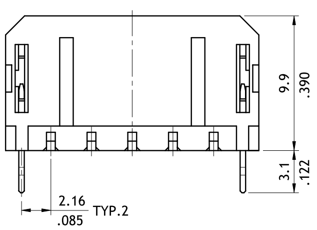
RoHS Compliant

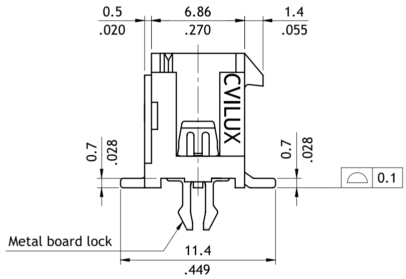


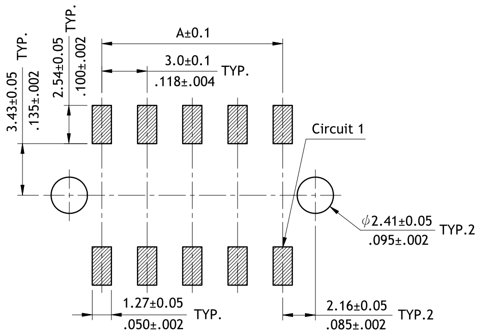




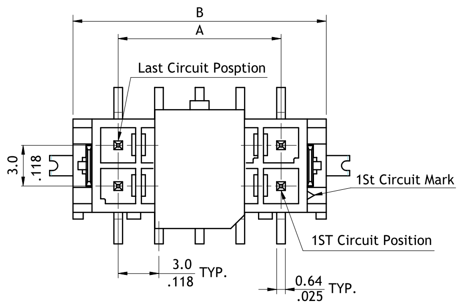
Circuits	Dimension	
	A	B
2	—	6.7(.264)
4	3.0(.118)	9.7(.382)
6	6.0(.236)	12.7(.500)
8	9.0(.354)	15.7(.618)
10	12.0(.472)	18.7(.657)
12	15.0(.591)	21.7(.854)
14	18.0(.709)	24.7(.972)
16	21.0(.827)	27.7(1.091)
18	24.0(.945)	30.7(1.209)
20	27.0(1.063)	33.7(1.327)
22	30.0(1.181)	36.7(1.445)
24	33.0(1.299)	39.7(1.563)



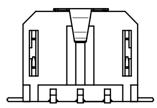




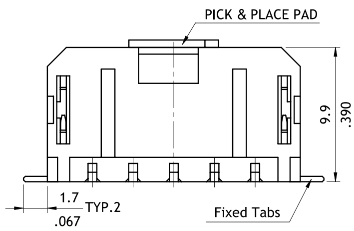
Recommended P.C. Board Layout

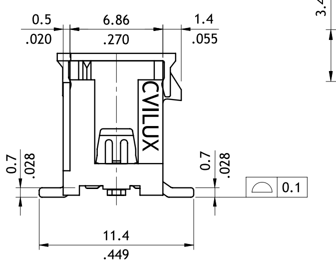


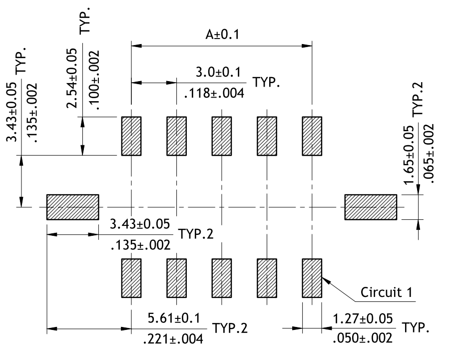
Circuits	Dimension	
	A	B
2	—	6.7(.264)
4	3.0(.118)	9.7(.382)
6	6.0(.236)	12.7(.500)
8	9.0(.354)	15.7(.618)
10	12.0(.472)	18.7(.657)
12	15.0(.591)	21.7(.854)
14	18.0(.709)	24.7(.972)
16	21.0(.827)	27.7(1.091)
18	24.0(.945)	30.7(1.209)
20	27.0(1.063)	33.7(1.327)
22	30.0(1.181)	36.7(1.445)
24	33.0(1.299)	39.7(1.563)



For 2,4,6 Circuits







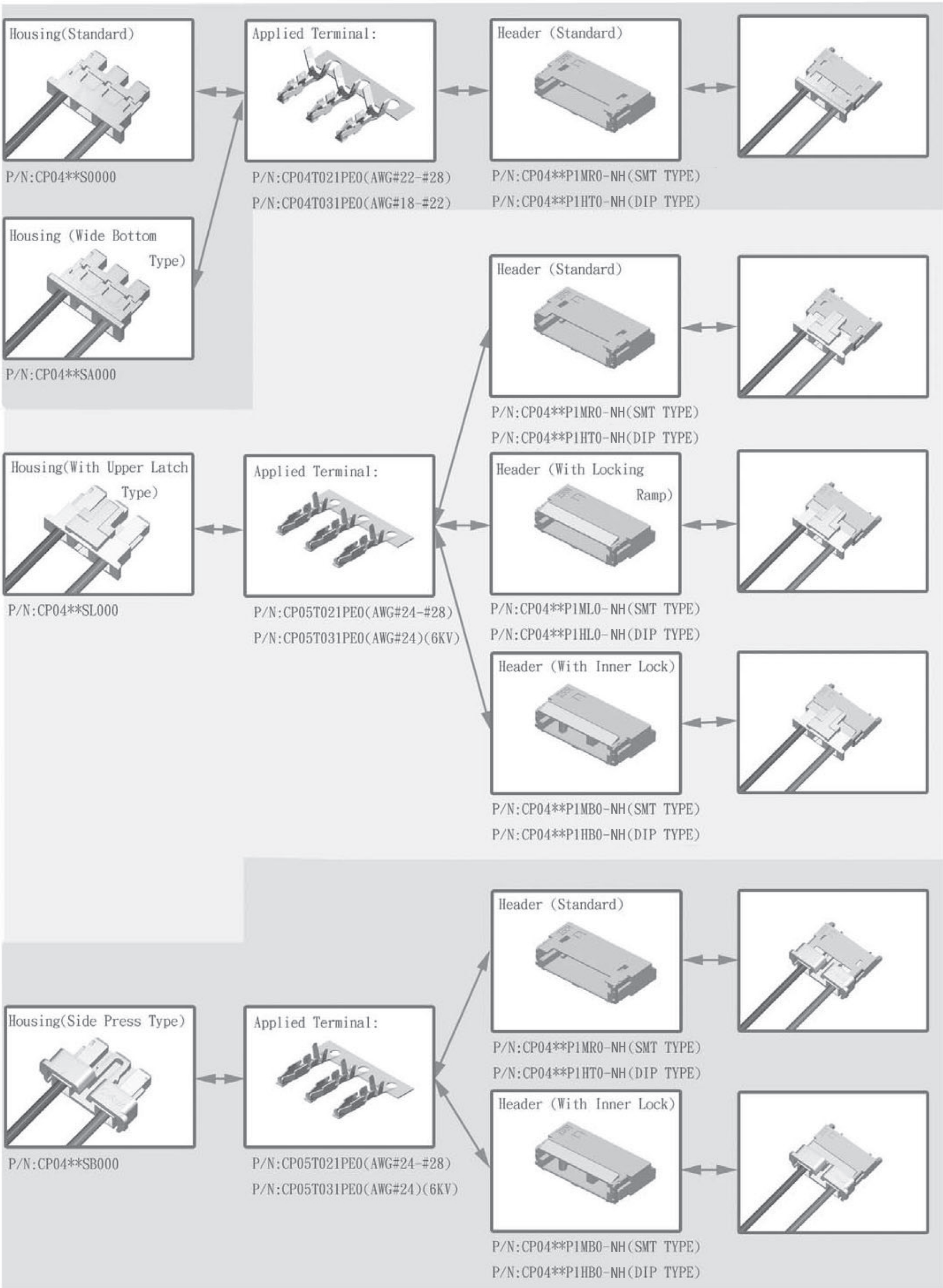
Recommended P.C. Board Layout

Ordering Code

❶	❷	❸	❹	❺	❻	❼		❽
CP35	24	P	1	V	S	0	–	NH

❶ Series No.
❷ No. of Circuits: 02 to 24
❸ P = Plug
❹ Plating: 1 = Matte Tin over Nickel
*Optional plating available but MOQ requested
❺ Contact Type: V = Top Entry
❻ Mount Type: S = SMT Type
❼ Other Options:
0 = With Metal board lock (Standard)
T = With Fixed Tabs
(Available for Tape & Reel packing)
❽ -LF = For Lead Free soldering process
-NH = For Lead Free soldering process and Halogen-Free

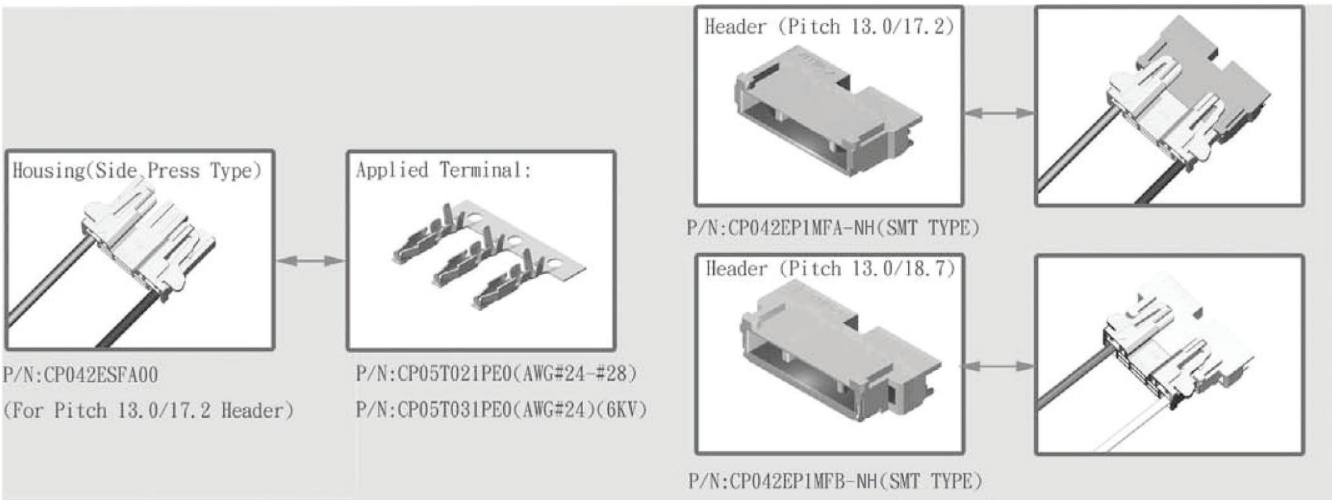
CP04 Mating Options



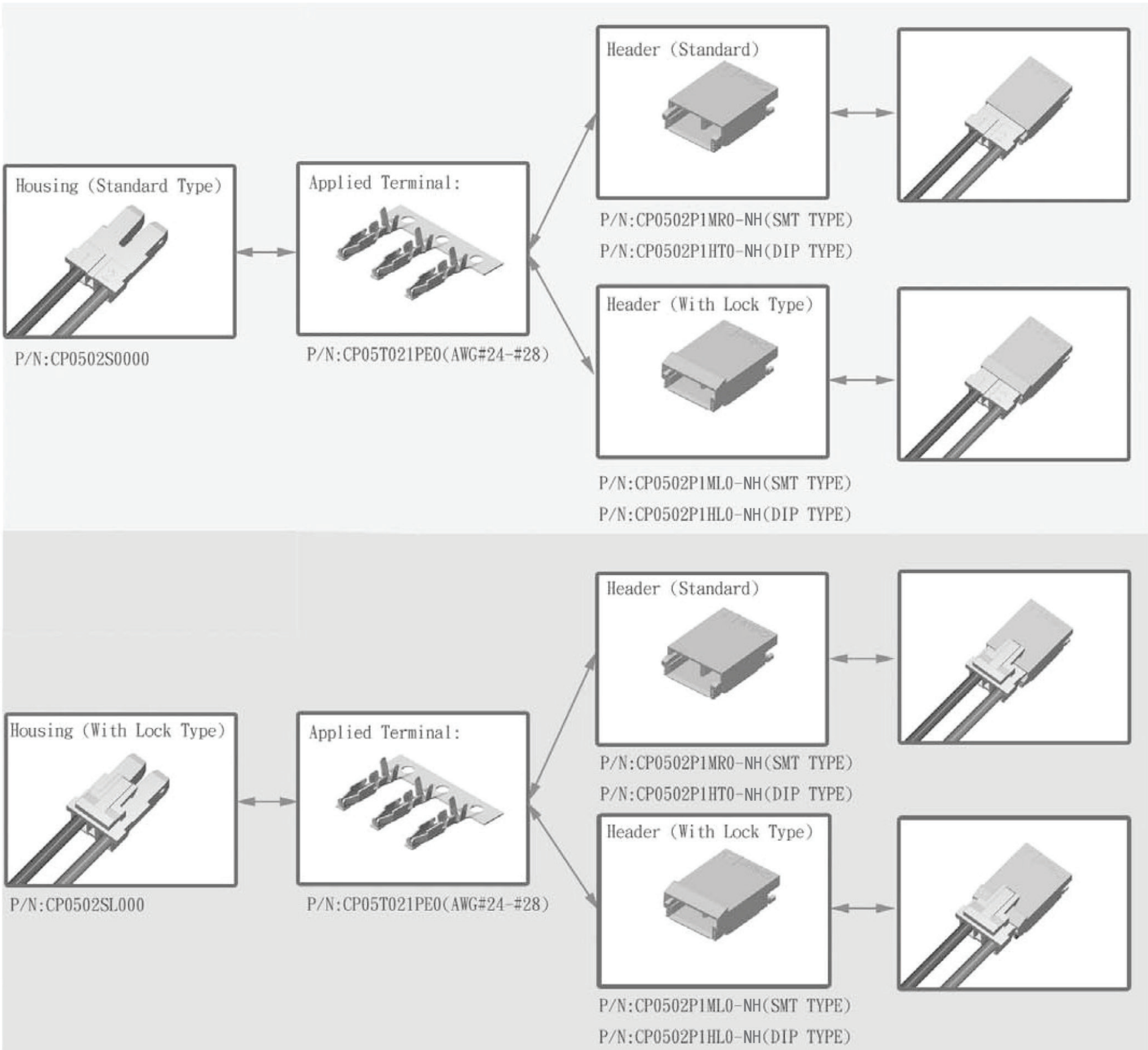
CP

POWER CONNECTOR

CP04 Mating Options



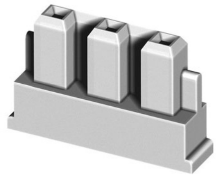
CP05 Mating Options

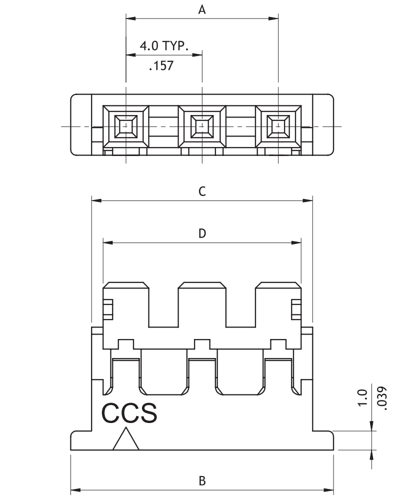


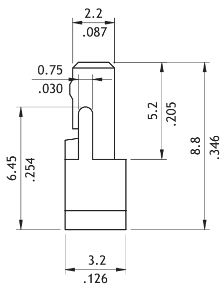
CP04 Series 4.00mm(.157") High Voltage Wire to Board Connectors

- Current Rating: 1.0A AC/DC (AWG #22)
- Voltage Rating: 2000V AC/DC (12.0mm Pitch)
- Low profile with high withstanding voltage
- Mate with CP04 header
- Can be used CP04 Crimp Clip Terminal
- Insulator: Nylon 66 UL 94V-0, Color Nature

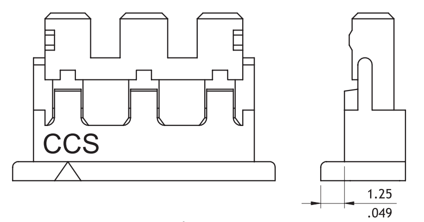
RoHS Compliant



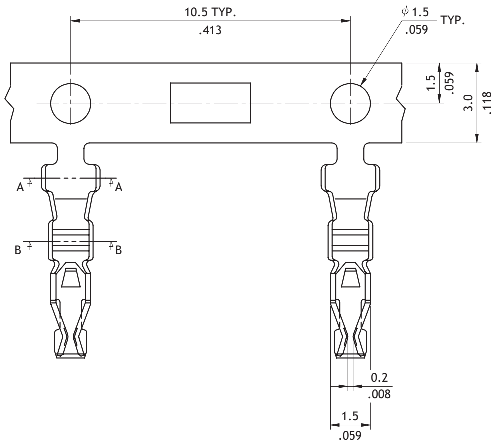


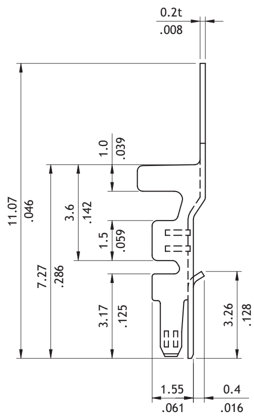


Circuits	Dim.A	Dim.B	Dim.C	Dim.D
2	4.0(.157)	9.8(.386)	7.6(.299)	6.4(.252)
3	8.0(.315)	13.8(.543)	11.6(.457)	10.4(.409)
4	12.0(.472)	17.8(.701)	15.6(.614)	14.4(.567)
5	16.0(.630)	21.8(.858)	19.6(.772)	18.4(.724)

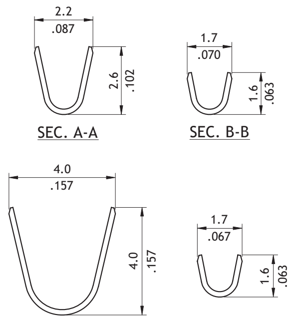


With stopper type





Part No.	Wire Range	Insulation Diameter	Reel Q'ty
CP04T021PE0	AWG #24~#28	1.45 (.057) MAX.	4,000 PCS.
CP04T031PE0	AWG #24 (6KV)	1.74 (.069) MAX.	4,000 PCS.



Ordering Code

❶ CP04 ❷ 05 ❸ S ❹ 0 ❺ 000

❶ Series No.
❷ No. of Circuits: 02, 03, 04, 05
❸ S = Housing
❹ 0 = Without stopper
A = With stopper
❺ Other Options: 000 = Standard

❶ CP04 ❷ T02 ❸ 1 ❹ P ❺ E ❻ 0

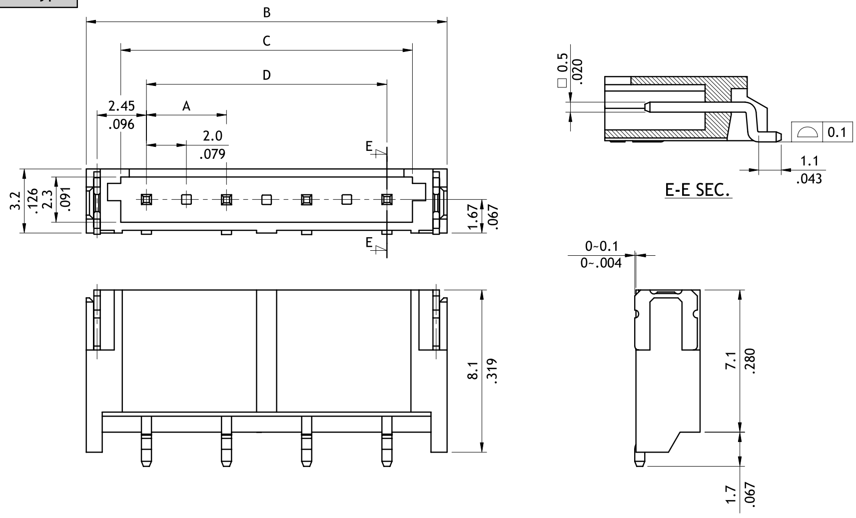
❶ Series No.
❷ Wire Range: T02 = AWG #22 ~ #28
T03 = AWG #18 ~ #22
❸ Plating: 1 = Tin over Nickel
❹ Material: P = Phosphor Bronze
❺ Plating method: E = Pre-tinned
❻ Options: 0 = Standard

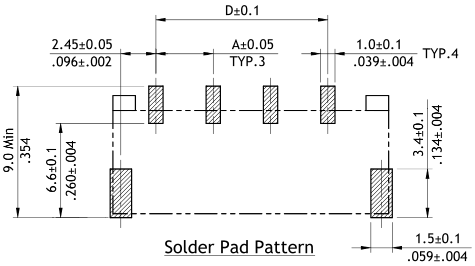
CP04 Series 4.00mm(.157") High Voltage Wire to Board Connectors

- ◎ Current Rating: 1.0A AC/DC (AWG #22)
- ◎ Voltage Raiting: 2000V AC/DC (12.0mm pitch)
- ◎ Shrouded headers with Fixed Tabs
- ◎ Low profile with polarizing device
- ◎ Insulator: High temperature plastic UL 94V-0, Color Nature
- ◎ Terminal: Tin plated Brass

RoHS Compliant

SMT Type

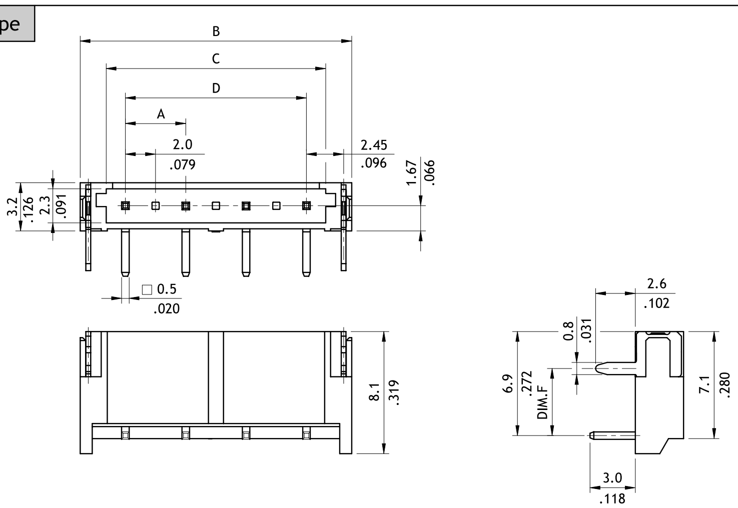


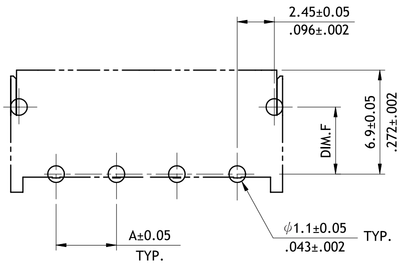


Solder Pad Pattern

Circuits	Dimension			
	A (Pitch)	B	C	D
2A	4.0(.157)	10.0(.394)	6.5(.256)	4.0(.157)
2B	8.0(.315)	14.0(.551)	10.5(.413)	8.0(.315)
2C	12.0(.472)	18.0(.709)	14.5(.571)	12.0(.472)
2D	16.0(.630)	22.0(.866)	18.5(.728)	16.0(.630)
3A	4.0(.157)	14.0(.551)	10.5(.413)	8.0(.315)
3B	8.0(.315)	22.0(.866)	18.5(.728)	16.0(.630)
4A	4.0(.157)	18.0(.709)	14.5(.571)	12.0(.472)
5A	4.0(.157)	22.0(.866)	18.5(.728)	16.0(.630)

DIP Type





Recommended P.C. Board Layout

Ordering Code

❶	❷	❸	❹	❺	❻	❼	❽		❾
CP04	2	A	P	1	H	T	0	–	NH

❶ Series No.

❷ No. of Circuits: 2 to 5

❸ Circuits pitch:
A = 4.0mm; B = 8.0mm
C = 12.0mm; D = 16.0mm

❹ P = Header

❺ Plating:
1 = MatteTin over Nickel

❻ Contact Type:
M = SMT Type
H = Right Angle DIP Type

❼ Packing Options:
T = Tube
R = Tape & Reel (SMT Type)

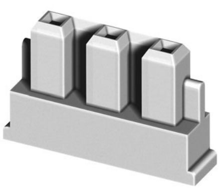
❽ Other Options:
SMT: 0 = Standard
DIP: 0 = With metal pegs, DIM F = 4.45mm
1 = With metal pegs, DIM F = 5.75mm
2 = Without metal peg

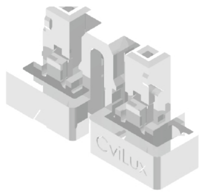
❾ -LF = For Lead Free soldering process
-NH = For Lead Free soldering process and Halogen-Free

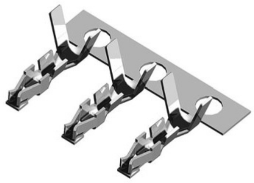
CP04 Series 4.00mm(.157") High Voltage Wire to Board Connectors

- ◎ Current Rating: 1.0A AC/DC
- ◎ Voltage Rating: 3000V AC/DC
- ◎ Low profile with high withstanding voltage
- ◎ Mate with CP04 header
- ◎ Can be used CP05 Crimp Clip Terminal
- ◎ Insulator: Nylon 66 UL 94V-0, Color Nature

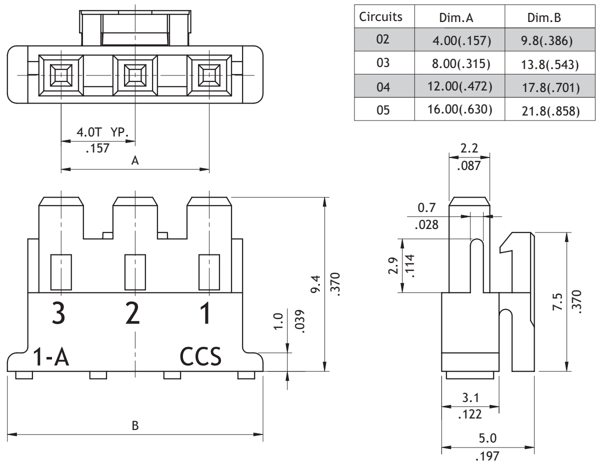
RoHS Compliant Pb HF





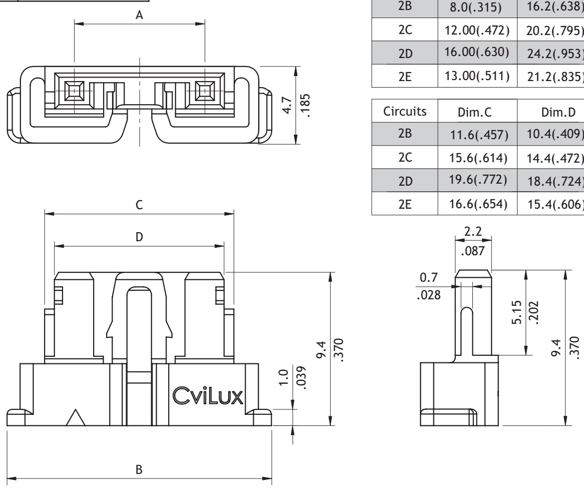


P/N	CP04**SL000



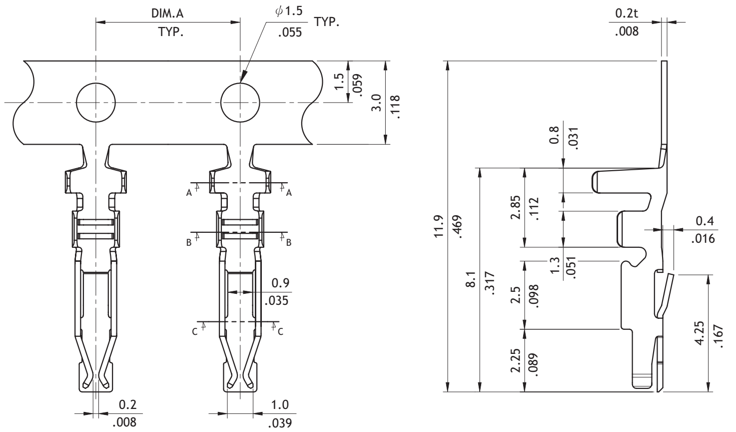
Circuits	Dim.A	Dim.B
02	4.00(.157)	9.8(.386)
03	8.00(.315)	13.8(.543)
04	12.00(.472)	17.8(.701)
05	16.00(.630)	21.8(.858)

P/N	CP04**SB000

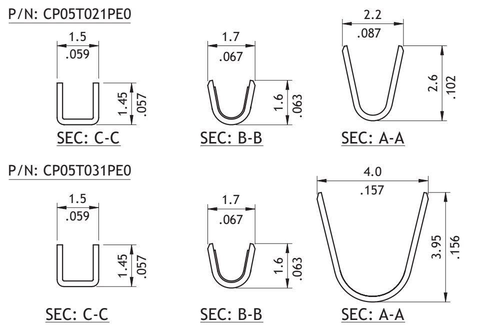


Circuits	Dim.A	Dim.B
2B	8.0(.315)	16.2(.638)
2C	12.00(.472)	20.2(.795)
2D	16.00(.630)	24.2(.953)
2E	13.00(.511)	21.2(.835)

Circuits	Dim.C	Dim.D
2B	11.6(.457)	10.4(.409)
2C	15.6(.614)	14.4(.472)
2D	19.6(.772)	18.4(.724)
2E	16.6(.654)	15.4(.606)



Part No.	DIM.A	Wire Range	Insulation Diameter	Reel Q'ty
CP05T021PE0	6.2(.244)	AWG #24~#28	1.45 (.057) MAX.	10,000 PCS.
CP05T031PE0	10.5(.413)	AWG #24 (6KV)	1.74 (.069) MAX.	4,000 PCS.



Ordering Code

❶	❷	❸	❹	❺
CP04	05	S	L	000

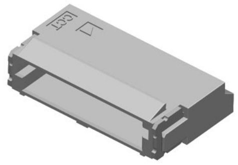
❶ Series No.
❷ No. of Circuits: 02, 03, 04, 05
(For side press type:
2B: Dim.A = 8.0mm, 2C: Dim.A = 12.0mm,
2D: Dim.A = 16.0mm, 2E: Dim.A = 13.0mm)
❸ S = Housing
❹ Type: L = With Upper Latch Type
B = Side Press Type
❺ Other Options: 000 = Color Nature

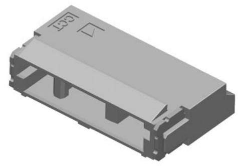
❶	❷	❸	❹	❺	❻
CP05	T02	1	P	E	0

❶ Series No.
❷ Wire Range: T02 = AWG #24 ~ #28
T03 = AWG #24 (6KV)
❸ Plating: 1 = Tin over Nickel
❹ Material: P = Phosphor Bronze
❺ Plating method: E = Pre-tinned
❻ Other Options: 0 = Standard

CP04 Series 4.00mm(.157") High Voltage Wire to Board Connectors

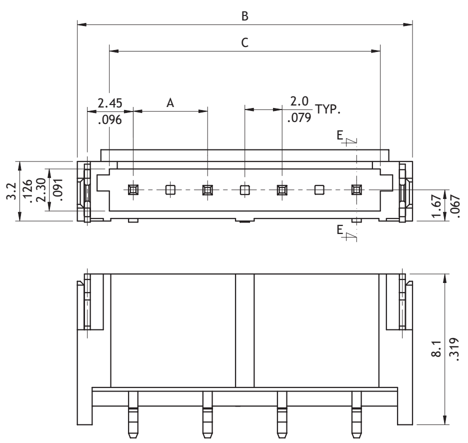
◎ Current Rating: 1.0A AC/DC (AWG #22)
◎ Voltage Raiting: B type = 3000V AC/DC, L type = 2000V AC/DC
◎ Shrouded headers with Fixed Tabs
◎ Low profile with polarizing device
◎ Insulator: High temperature plastic UL 94V-0, Color Nature
◎ Terminal: Tin plated Brass

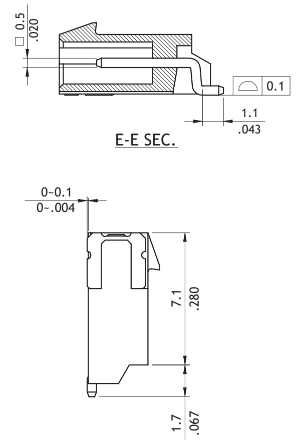


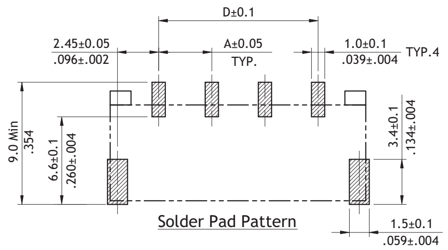


RoHS Compliant

P/N CP04**P1ML0-NH

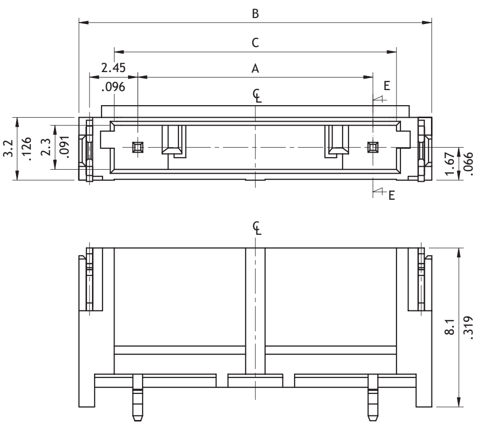


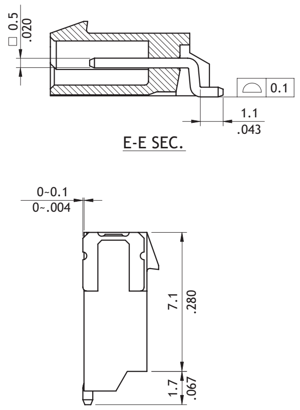


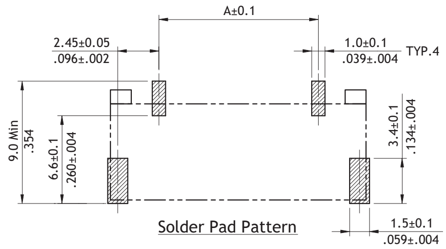


Circuits	Dimension			
	A (Pitch)	B	C	D
2A	4.0(.157)	10.0(.394)	6.5(.256)	4.0(.157)
2B	8.0(.315)	14.0(.551)	10.5(.413)	8.0(.315)
2C	12.0(.472)	18.0(.709)	14.5(.571)	12.0(.472)
2D	16.0(.630	22.0(.866)	18.5(.728)	16.0(.630)
3A	4.0(.157)	14.0(.551)	10.5(.413)	8.0(.315)
3B	8.0(.315)	22.0(.866)	18.5(.728)	16.0(.630)
4A	4.0(.157)	18.0(.709)	14.5(.571)	12.0(.472)
5A	4.0(.157)	22.0(.866)	18.5(.728)	16.0(.630)

P/N CP04**P1MB0-NH







Circuits	Dimension		
	A (Pitch)	B	C
2B	8.0(.315)	14.0(.551)	10.5(.413)
2C	12.0(.472)	18.0(.709)	14.5(.571)
2D	16.0(.630)	22.0(.866)	18.5(.728)
2E	13.0(.512)	19.0(.748)	15.5(.610)

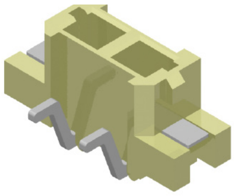
Ordering Code

❶	❷	❸	❹	❺	❻	❼	❽		❾
CP04	2	A	P	1	M	B	0	–	NH

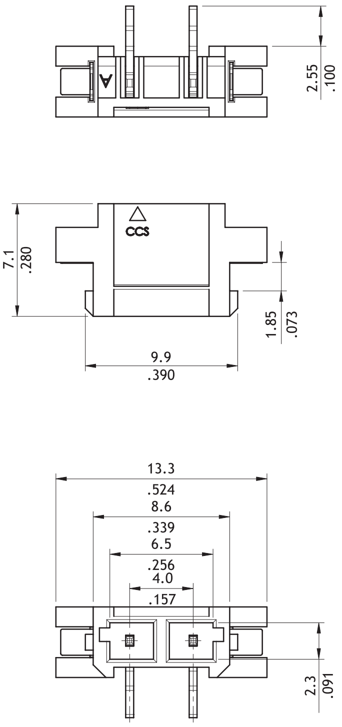
❶ Series No.
❷ No. of Circuits: 02 to 05
❸ Circuits pitch: A = 4.0mm; B = 8.0mm;
C = 12.0mm; D = 16.0mm;
E = 13.0mm
❹ P = Header
❺ Plating: 1 = Matte Tin over Nickel
❻ Contact Type: M = SMT Type
❼ Type: L = With locking ramp type
B = With inner lock type
❽ Other Options:
0 = Standard
❾ -LF = For Lead Free soldering process
-NH = For Lead Free soldering process and Halogen-Free

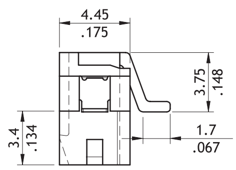
CP04 Series 4.00mm (.157") High Voltage Wire to Board Connectors

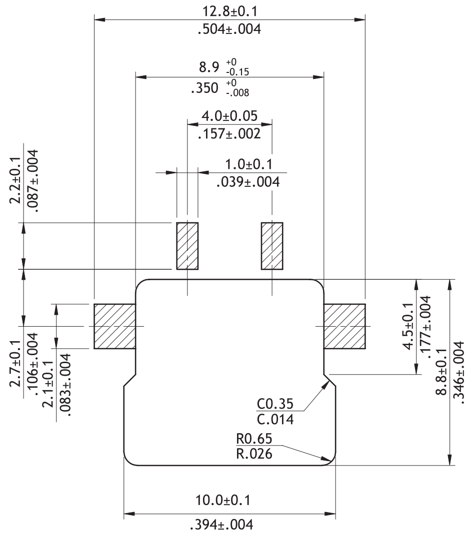
- ◎ Current Rating: 1.0A AC/DC (AWG #24)
- ◎ Voltage Rating: 1500V AC/DC (8.0mm pitch)
- ◎ Shrounded headers with Fixed Tabs
- ◎ Low profile with polarizing device
- ◎ Insulator: High temperature plastic UL 94V-0, Color Nature
- ◎ Terminal : Tin plated Brass
- ◎ Mate with CP04 Housing (CP04**S0000 or CP04**SL000)



RoHS Compliant







Solder Pad Pattern

Ordering Code

❶	❷	❸	❹	❺	❻	❼		❽
CP04	2A	P	1	M	G	A	–	NH

❶ Series No.

❷ No. of Circuits: 2A = 2 pin (Pitch: 4.0mm)

❸ P = Pin Header

❹ Plating: 1 = Matte Tin over Nickel

❺ Contact Type: M = SMT Type

❻ Latch Options: G = G Type

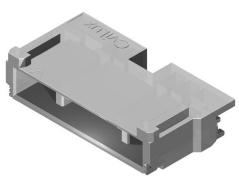
❼ Other Options:
A = With Locking Ramp

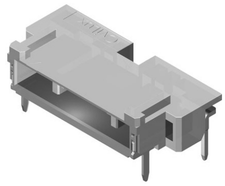
❽ -NH = For Lead Free IR process and Halogen-Free

CP04 Series 13.00mm (.512") High Voltage Wire to Board Connectors

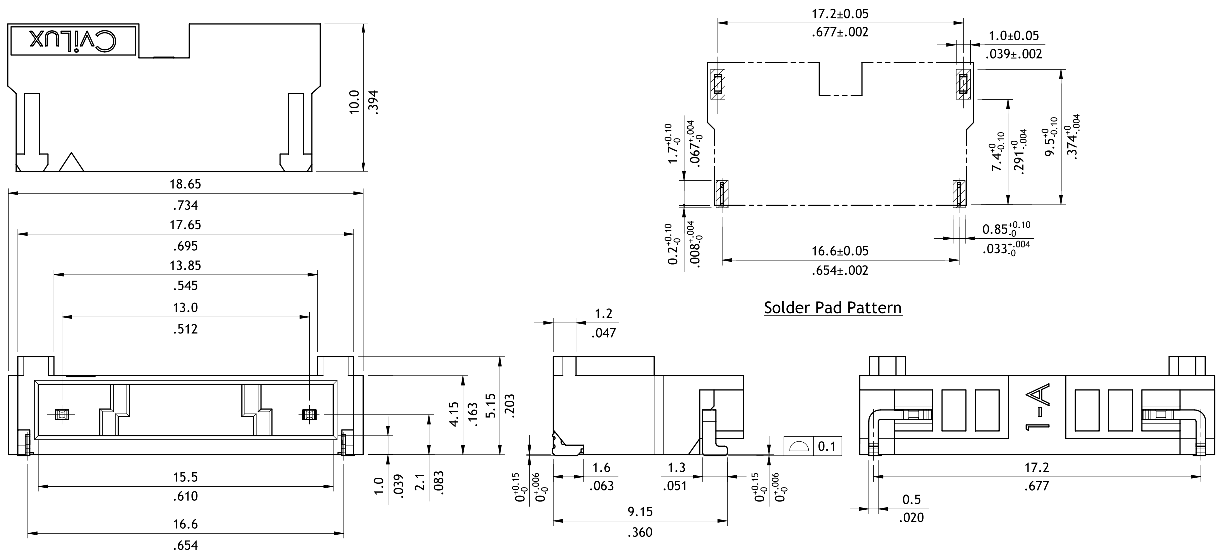
- ◎ Current Rating: 1.0A AC/DC (AWG #24)
- ◎ Voltage Rating: 3000V AC/DC (13.0mm pitch)
- ◎ Shrouded headers with Fixed Tabs & Pegs
- ◎ Low profile with polarizing device
- ◎ Insulator: High temperature plastic UL 94V-0, Color Nature
- ◎ Terminal : Tin plated Brass

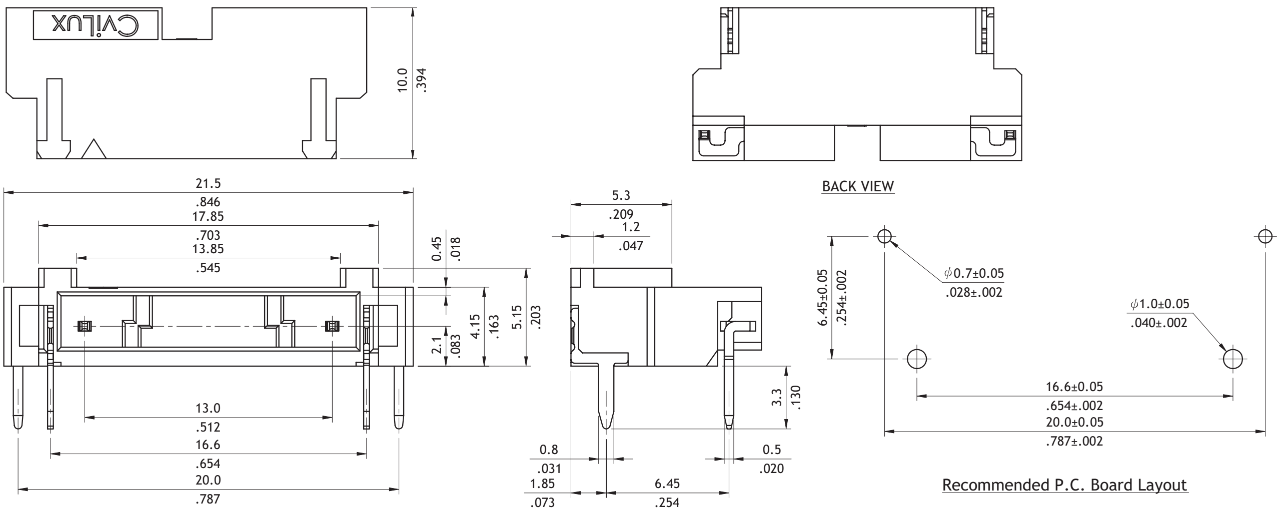
RoHS Compliant





CP





Ordering Code

❶	❷	❸	❹	❺	❻	❼	❽		❾
CP04	2	E	P	1	M	F	A	–	NH

❶ Series No.
❷ No. of Circuits: 02
❸ Circuits pitch: E = 13.0mm
❹ P = Header
❺ Plating: 1 = Matte Tin over Nickel
❻ Contact Type: M = SMT Type
H = DIP Type
❼ Type: F = With Latch Type
❽ Other Options:
A = Standard
❾ -LF = For Lead Free soldering process
-NH = For Lead Free soldering process and Halogen-Free

POWER CONNECTOR

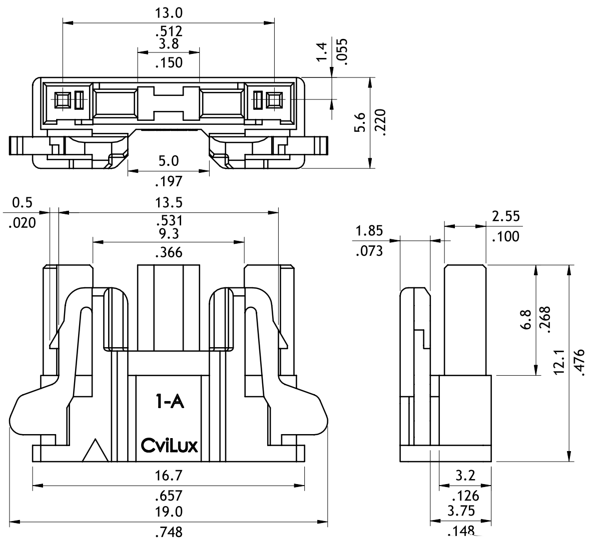
CP04 Series 13.00mm (.512") High Voltage Wire to Board Connectors

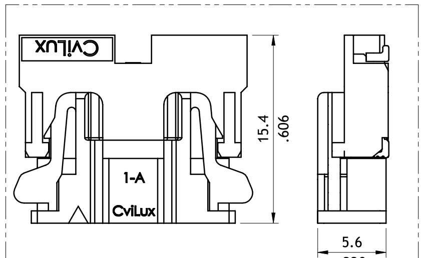
◎ Current Rating: 1.0A AC/DC (AWG #24)
◎ Voltage Raiting: 3000V AC/DC (13.0mm pitch)
◎ Shrouded headers with Fixed Tabs
◎ Low profile with polarizing device
◎ Insulator: High temperature plastic UL 94V-0, Color Nature
◎ Terminal: Tin plated Brass

RoHS Compliant

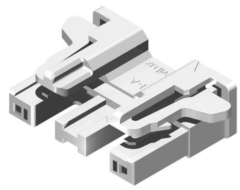
◎ Current Rating: 1.0A AC/DC
◎ Voltage Rating: 3000V AC/DC
◎ Low profile with high withstanding voltage
◎ Mate with CP04 FA Type Header
◎ Can be used CP05 Crimp Clip Terminal
◎ Insulator: Glass filled polyester, Color Nature

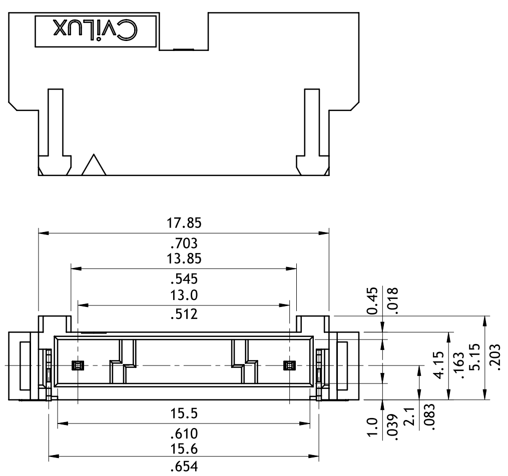
RoHS Compliant

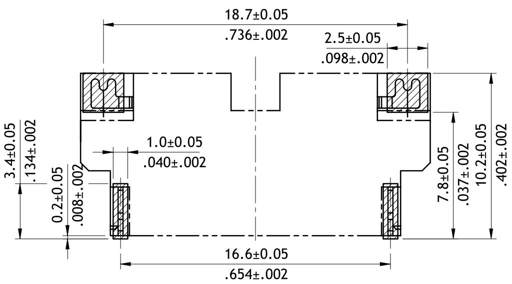




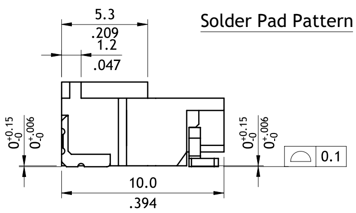
Mating Condition

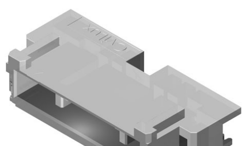






Solder Pad Pattern





Ordering Code

❶	❷	❸	❹	❺	❻
CP04	2E	S	FA	0	0

❶ Series No.
❷ No. of Circuits: 2E = 13.0mm
❸ S = Connector Housing
❹ FA = With Latch F0 Type
❺ Color: 0 = Nature
❻ Other Options: 0 = Standard

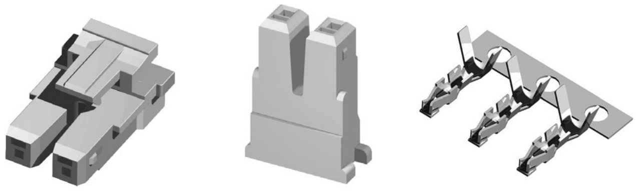
❶	❷	❸	❹	❺	❻	❼	❽		❾
CP04	2	E	P	1	M	F	B	–	NH

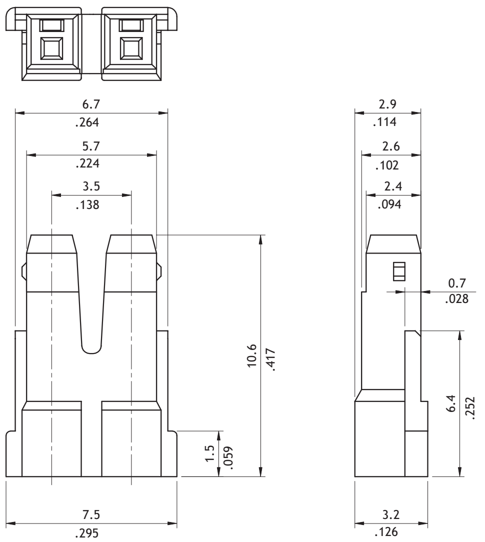
❶ Series No.
❷ No. of Circuits: 2 pin
❸ Circuits Pitch: E = 13.0mm
❹ P = Header
❺ Plating:
1 = Matte Tin over Nickel
❻ Contact Type: M = SMT Type
❼ F = With Latch Type
❽ Other Options:
B = Soldering pitch 18.7mm
(Tape & Reel)
❾ -NH = For Lead Free soldering process and Halogen-Free

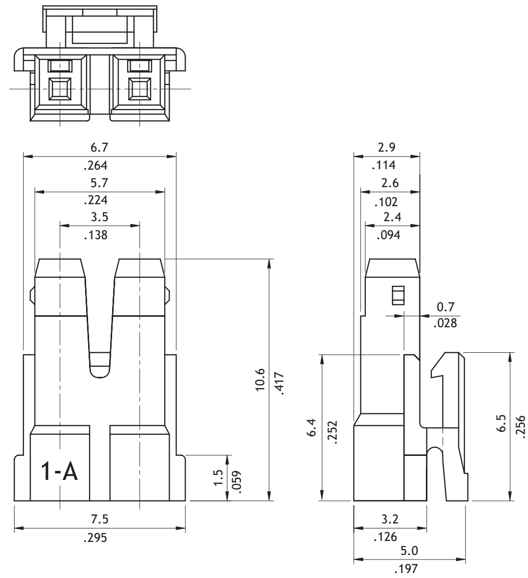
CP05 Series 3.50mm (.138") High Voltage Receptacle Connectors

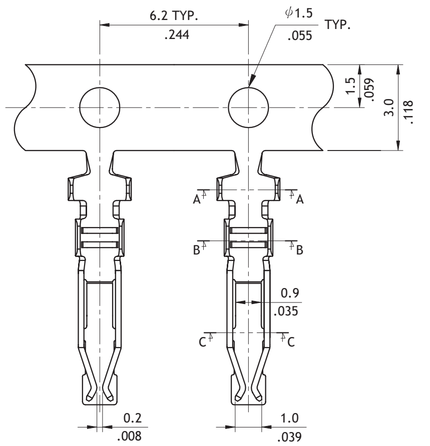
- ◎ Low profile with high withstanding voltage
- ◎ Mate with CP05 Header
- ◎ Can be used CP05 Crimp Clip Terminal
- ◎ Terminal accommodated AWG #24 ~ #28
- ◎ Insulator: Nylon 66 UL 94V-0, Color Nature

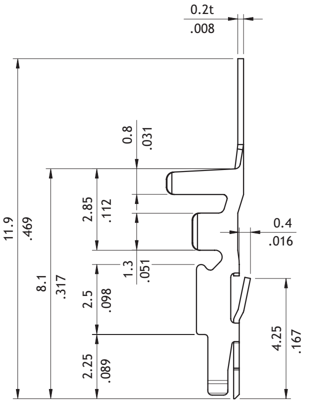
RoHS Compliant HF



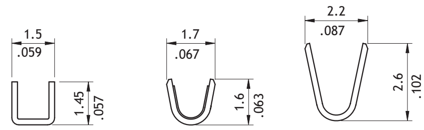








Wire Range	Insulation Diameter	Reel Q'ty
AWG #24~#28	1.45 (.057) MAX.	10,000 PCS.



SEC: C-C SEC: B-B SEC: A-A

Ordering Code

❶ ❷ ❸ ❹ ❺

CP05 02 S 0 000

1. Series No.
2. No. of Circuits: 02
3. S = Housing
4. Type: L = With Latch
   0 = Without Latch
5. Other Options: 000 = Color Nature

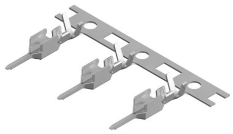
❶ ❷ ❸ ❹ ❺ ❻

CP05 T02 1 P E 0

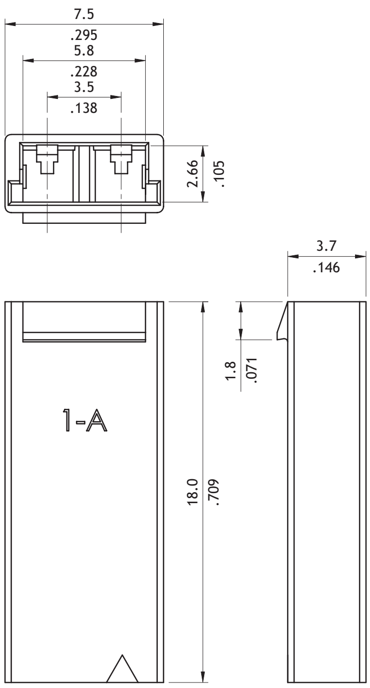
1. Series No.
2. Wire Range: T02 = AWG #24 ~ #28
3. Plating: 1 = Tin over Nickel
4. Material: P = Phosphor Bronze
5. Plating method: E = Pre-tinned
6. Other Options: 0 = Standard

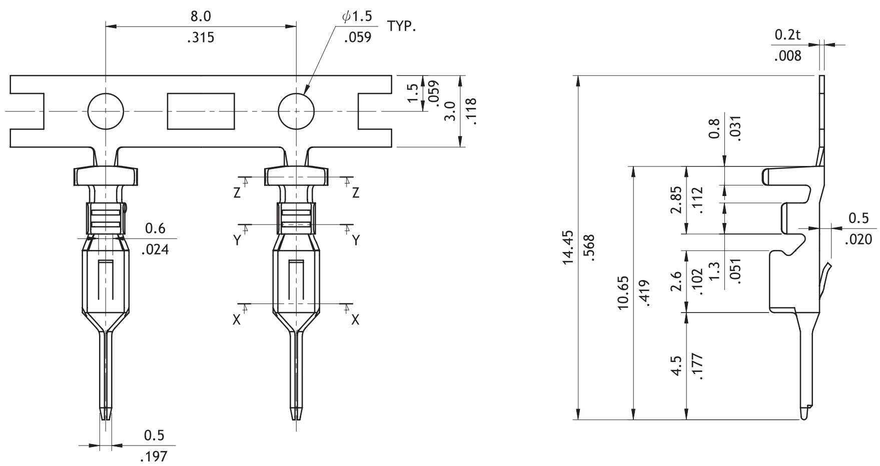
CP05 Series 3.50mm (.138") High Voltage Plug Connectors

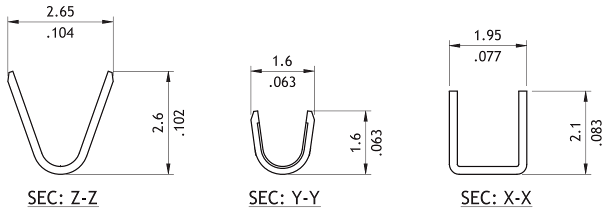
◎ Current Rating: 1.0A AC/DC (AWG #24)
◎ Voltage Rating: 1400V AC/DC
◎ Low profile with high withstanding voltage
◎ Mate with CP05 female housing
◎ Can be used CP05 Crimp Clip Terminal
◎ Terminal accommodated AWG #24 ~ #28
◎ Insulator: Nylon 66 UL 94V-0, Color Nature



RoHS Compliant HF







P/N	Wire Range	Insulation Diameter	Reel Q'ty
CP05T021PEP	AWG #24~#28	1.20~1.45 (.047~.059) Max.	9,000 PCS.

Ordering Code

❶ ❷ ❸ ❹ ❺
CP05 02 P L 000

❶ Series No.
❷ No. of Circuits: 02
❸ P =Plug Housing
❹ Type: L = With Latch
❺ Other Options: 000 = Color Nature

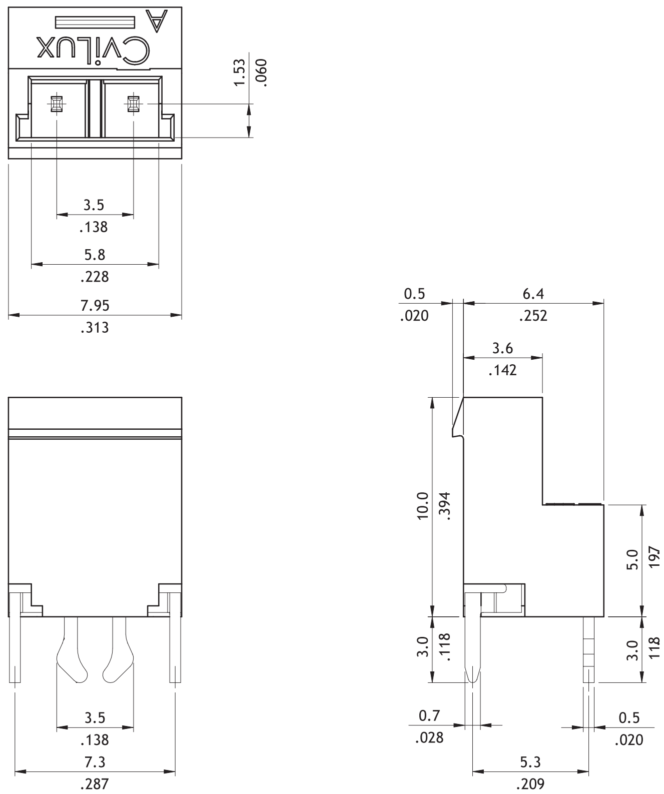
❶ ❷ ❸ ❹ ❺ ❻
CP05 T02 1 P E P

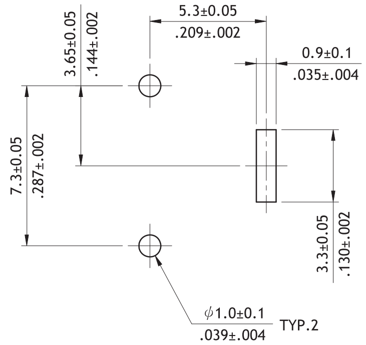
❶ Series No.
❷ Wire Range: T02 = AWG #24 ~ #28
❸ Plating: 1 = Tin over Nickel
❹ Material: P = Phosphor Bronze
❺ Plating method: E = Pre-tinned
❻ P = Plug Terminal

CP05 Series 3.50mm (.138") High Voltage DIP Latch Type Connectors

◎ Current Rating: 1.0A AC/DC (AWG #24)
◎ Voltage Rating: 1400V AC/DC
◎ Insulator: High temperature plastic UL 94V-0, Color Nature
◎ Terminal: Tin plated Brass

RoHS Compliant





Recommmended P.C. Board Layout

Ordering Code

❶	❷	❸	❹	❺	❻	❼		❽
CP05	02	P	1	V	L	0	–	NH

❶ Series No.
❷ No. of Circuits: 02
❸ P = Header
❹ Plating: 1 = Matte Tin over Nickel
❺ Contact Type: V = Straight DIP Type
❻ Type: L = Latch Type
❼ Other Options:
0 = Standard
❽ -LF = For Lead Free soldering process
-NH = For Lead Free soldering process and Halogen-Free

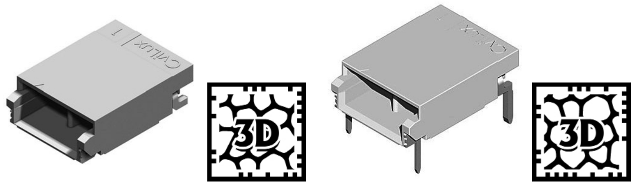
CP

POWER CONNECTOR

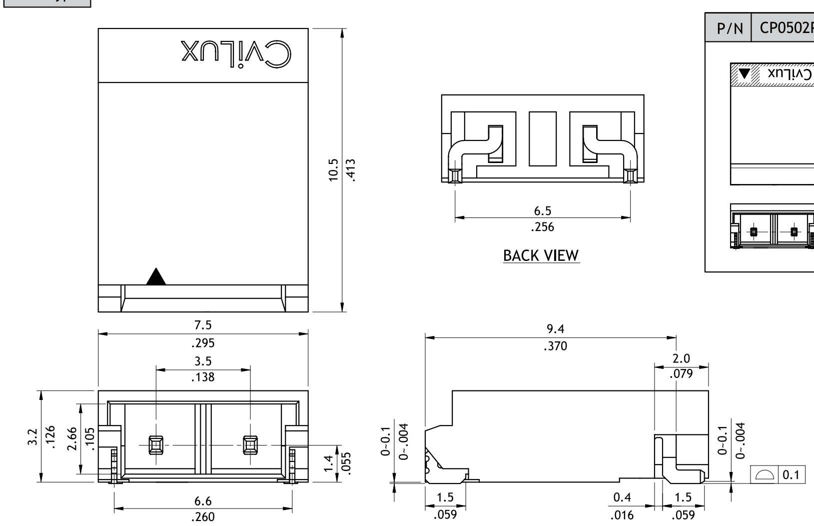
CP05 Series 3.50mm (.138") High Voltage SMT/DIP Headers

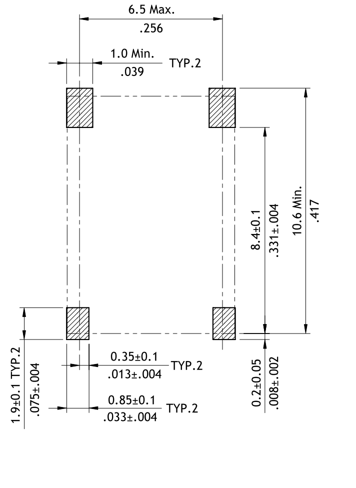
- ◎ Shrouded headers with Fixed Tabs
- ◎ Low profile with polarizing device
- ◎ Insulator: High temperature plastic UL 94V-0, Color Nature
- ◎ Terminal: Tin plated Brass

RoHS Compliant



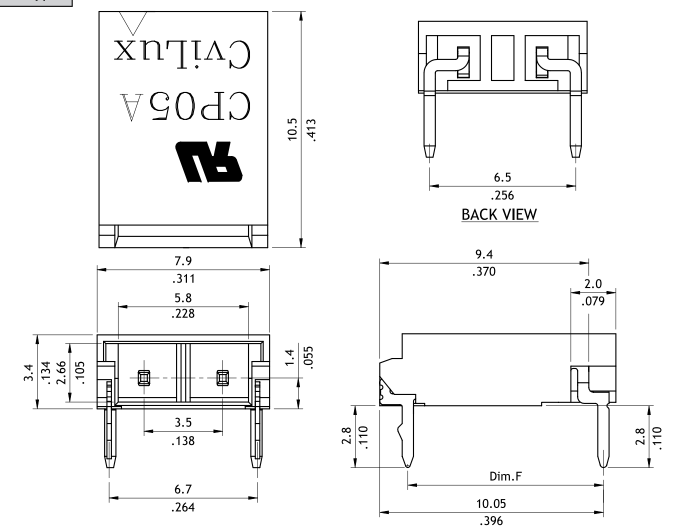
SMT Type

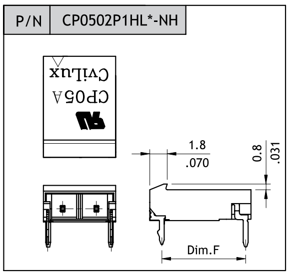


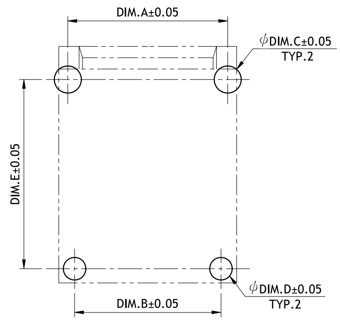


Recommmended P.C. Board Layout

DIP Type







Recommmended P.C. Board Layout

	DIM.A	DIM.B	DIM.C	DIM.D	DIM.E
CP0502P1H*0-NH	7.1(.280)	6.5(.256)	1.2(.047)	1.0(.039)	8.4(.331)
CP0502P1H*1-NH	6.5(.256)	6.5(.256)	1.0(.039)	0.8(.031)	9.5(.374)
CP0502P1H*3-NH	7.0(.276)	6.5(.256)	0.8(.031)	0.8(.031)	7.0(.276)

Ordering Code

❶	❷	❸	❹	❺	❻	❼		❽
CP05	02	P	1	M	R	0	–	NH

❶ Series No.

❷ No. of Circuits: 02

❸ P = Header

❹ Plating: 1 = Tin over Nickel

❺ Contact Type: M = SMT Type
H = Right Angle DIP Type

❻ Packing: R = Tape & Reel (SMT Type);
L = Latch Type; T = Tube

❼ Other Options:
SMT: 0 = Standard
DIP: 0 = With metal pegs, DIM.F = 8.80mm
1 = With metal pegs, DIM.F = 9.80mm
2 = Without metal peg

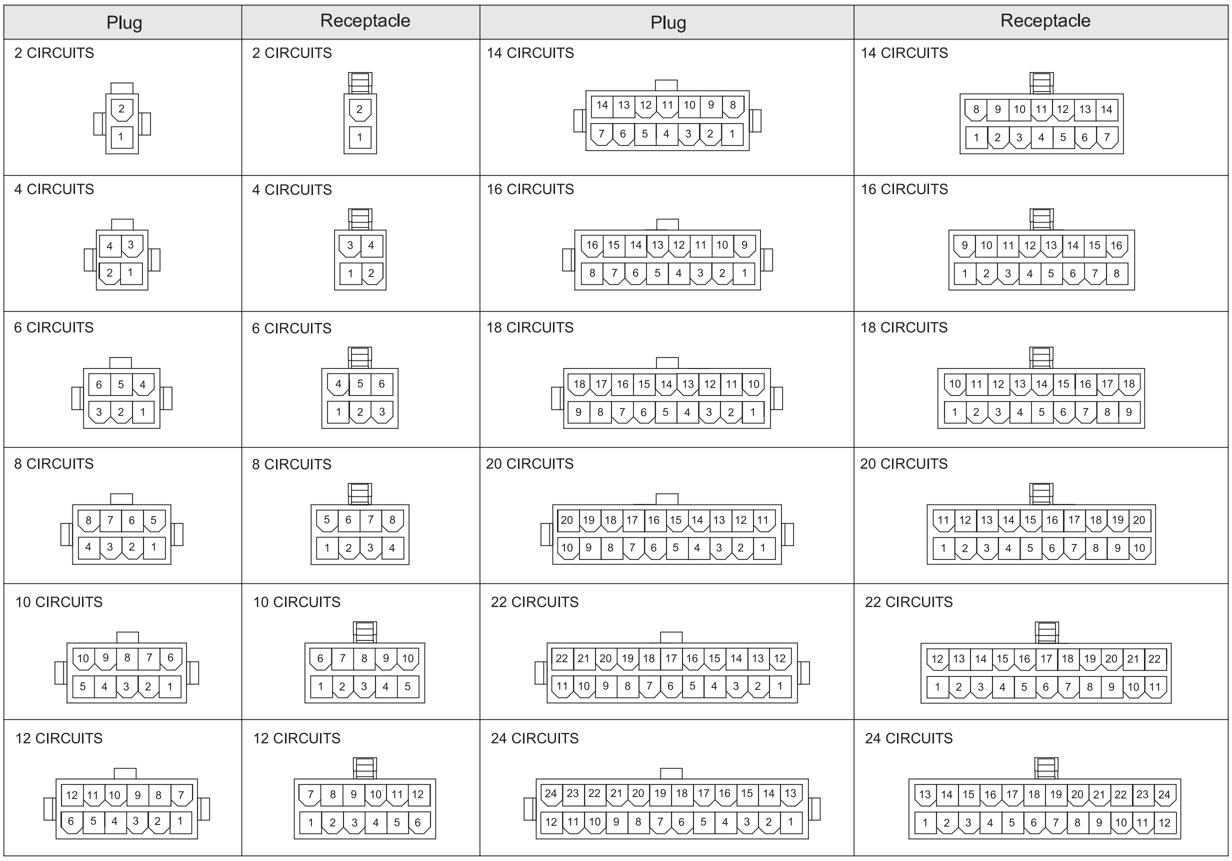
❽ -LF = For Lead Free soldering process
-NH = For Lead Free soldering process and Halogen-Free

CP-01 Series 4.20mm (.165") Power Connectors

- ◎ Wire to Wire and Wire to Board applications
- ◎ Straight and Right Angle Headers
- ◎ High current

Rated Current(max.) and Applicable Wire*600V AC (r.m.s)

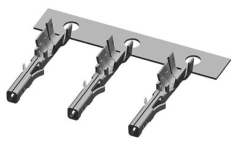
Rated Current(max.)	Wire gage/Circuits	2-3	4-6	7-10	12-24
High electric conductive copper alloy (High current crimp terminal)	AWG#16 wire gage	12A	11A	10A	9A
	AWG#18 wire gage	12A	11A	10A	9A
	AWG#20 wire gage	9A	9A	8A	8A
	AWG#22 wire gage	7A	6A	6A	6A
	AWG#28 wire gage	3.5A	2A	2A	2A
Brass & Phosphor Bronze	AWG#16 wire gage	9A	8A	7A	6A
	AWG#18 wire gage	9A	8A	7A	6A
	AWG#20 wire gage	7A	6A	5A	5A
	AWG#22 wire gage	5A	4A	4A	4A
	AWG#24 wire gage	4A	3A	3A	3A
	AWG#26 wire gage	3A	2A	2A	2A



CP-011 Series 4.20mm (.165") Receptacle Connectors

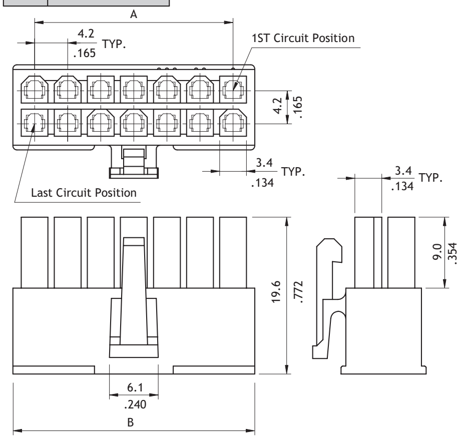
◎ With locking latch
◎ Available in 2 through 24 circuits
◎ Mates with CP-012, CP-013 or CP-014 connectors
◎ Nylon 66 UL 94V-0 or V-2 insulator material
◎ Can be used CP-011 crimp terminal
◎ Terminal accommodated AWG #16 ~#26
◎ Glow wire test material available





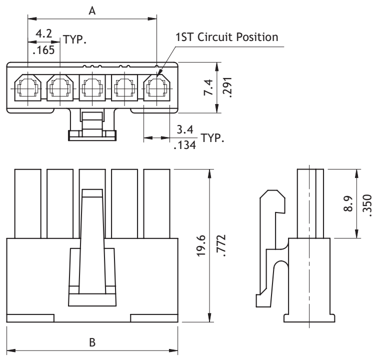
RoHS Compliant   HF

P/N	CP-011* *0*0



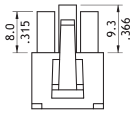
Circuits	Dimension	
	A	B
2	—	5.5(.217)
4	4.2(.165)	9.7(.382)
6	8.4(.331)	13.9(.547)
8	12.6(.496)	18.1(.713)
10	16.8(.661)	22.3(.878)
12	21.0(.827)	26.5(1.043)
14	25.2(.992)	30.7(1.209)
16	29.4(1.157)	34.9(1.374)
18	33.6(1.322)	39.1(1.539)
20	37.8(1.487)	43.3(1.705)
22	42.0(1.652)	47.5(1.870)
24	46.2(1.817)	51.7(2.035)

P/N	CP-011**0*S

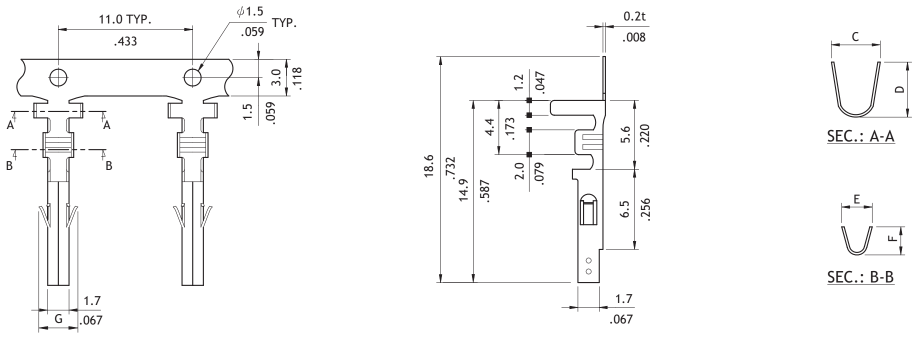


FOR 4 , 5 CIRCUITS

Circuits	Dimension	
	A	B
3	8.4(.331)	13.8(.543)
4	12.6(.496)	18.0(.709)
5	16.8(.661)	22.2(.874)



FOR 3 CIRCUITS



Part No.	Wire Range	Dimension					Insulation Range	Material	Reel Q'ty
		C	D	E	F	G			
CP-01100101	AWG #22~26	3.4(.134)	3.3(.130)	2.5(.098)	2.3(.091)	2.6(.102)	0.9-1.8(.035-.071)	Brass	5,000 PCS
CP-01100102	AWG #18~22	4.0(.158)	4.5(.177)	2.5(.098)	2.3(.091)	3.2(.126)	1.3-3.1(.051-.122)	Brass	4,000 PCS
CP-01100103	AWG #22~26	3.4(.134)	3.3(.130)	2.5(.098)	2.3(.091)	2.6(.102)	0.9-1.8(.035-.071)	Phosphor Bronze	5,000 PCS
CP-01100104	AWG #18~22	4.0(.158)	4.5(.177)	2.5(.098)	2.3(.091)	3.2(.126)	1.3-3.1(.051-.122)	Phosphor Bronze	4,000 PCS
CP-01100105	AWG #16	4.0(.158)	4.5(.177)	2.8(.110)	2.7(.106)	3.2(.126)	1.8-3.1(.071-.122)	Brass	4,000 PCS
CP-01100106	AWG #16	4.0(.158)	4.5(.177)	2.8(.110)	2.7(.106)	3.2(.126)	1.8-3.1(.071-.122)	Phosphor Bronze	4,000 PCS
CP-01100104-HC	AWG #18~22	4.0(.158)	4.5(.177)	2.5(.098)	2.3(.091)	3.2(.126)	1.3-3.1(.051-.122)	High electric conductive copper alloy	4,000 PCS
CP-01100106-HC	AWG #16	4.0(.158)	4.5(.177)	2.8(.110)	2.7(.106)	3.2(.126)	1.8-3.1(.071-.122)	High electric conductive copper alloy	4,000 PCS

Ordering Code

❶	❷	❸	❹	❺	❻
CP-01	1	24	0	1	0

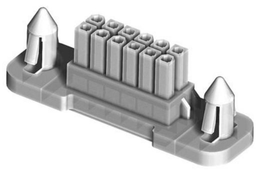
❶ Series No.
❷ Connector Type:1 = Receptacle
❸ No. of Circuits:
02 to 24 (Dual Row)
03 to 05 (Single Row)
❹ Plating: 0 = Non plating

❺ Variation:
1 = UL 94V-2 ; 6 = UL 94V-2, BMI Type
3 = UL 94V-0 ; 7 = UL 94V-0, BMI Type
E = Glow wire tests approval
❻ Other Options: 0 = Standard
S = Single Row
*Special options consult manufacturer

CP-011 Series 4.20mm (.165") Blind Mating Panel Mount Receptacle

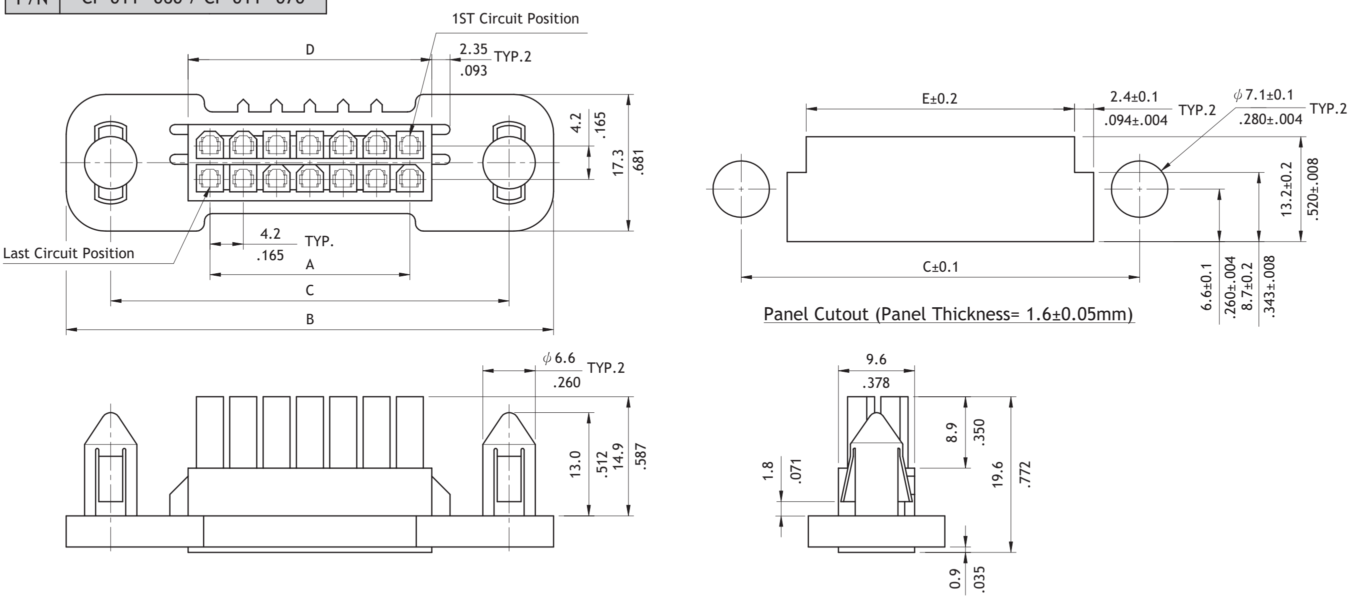
◎ Mates with CP-012, CP013 or CP-014 connectors
◎ Nylon 66 UL 94V-0 or V-2 insulator material
◎ Can be used CP-011 crimp terminal
◎ Terminal accommodated AWG #16 ~ #26

RoHS Compliant



CP

P/N	CP-011**060 / CP-011**070

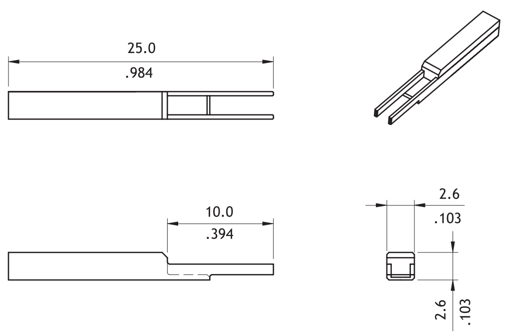


Circuits	Dimension				
	A	B	C	D	E
4	4.2(.165)	40.4(1.591)	29.2(1.150)	9.7(.382)	12.8(.504)
6	8.4(.331)	44.6(1.756)	33.4(1.315)	13.9(.547)	17.0(.669)
10	16.8(.661)	53.0(2.087)	41.8(1.646)	22.3(.878)	25.4(1.000)
14	25.2(.992)	61.4(2.417)	50.2(1.976)	30.7(1.209)	33.8(1.331)
18	33.6(1.323)	69.8(2.748)	58.6(2.307)	39.1(1.539)	42.2(1.661)
24	46.2(1.819)	82.4(3.244)	71.2(2.803)	51.7(2.035)	54.8(2.157)

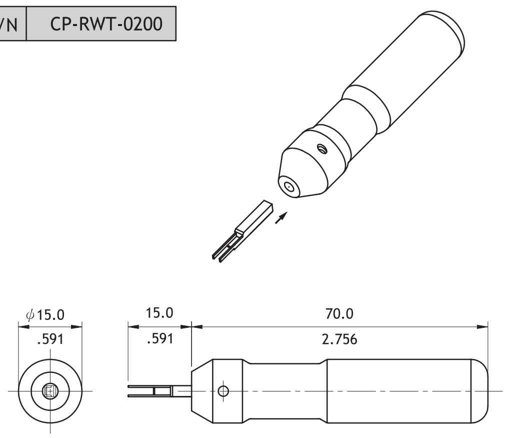
CP-01 Series Extractor Hand Tool

◎ Can be used CP-011 & CP-012 series crimp terminal

P/N	CP-RWT-0201



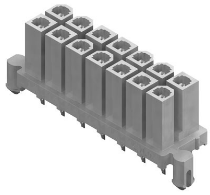
P/N	CP-RWT-0200



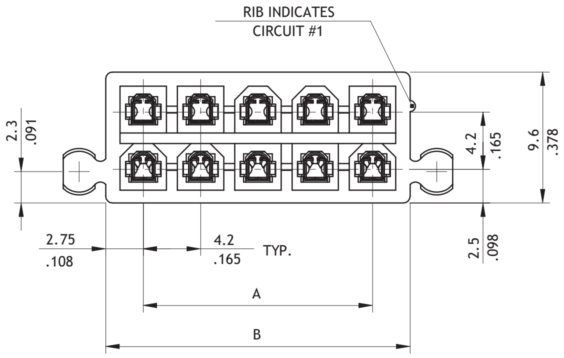
POWER CONNECTOR

CP-011 Series 4.20mm (.165") Receptacle Board Mount Connectors

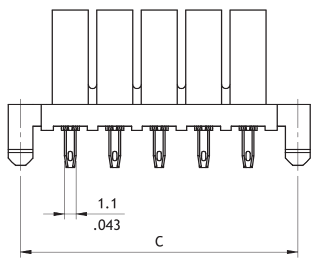
◎ With Board Locks
◎ Available in 2 through 24 circuits
◎ Mates with CP-013 or CP-014 B.M.I Type Connector
◎ Nylon 66 UL 94V-0 or V-2 and Nylon 46 UL 94V-0 insulator material
◎ Glow wire test material available

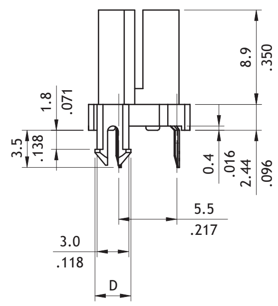


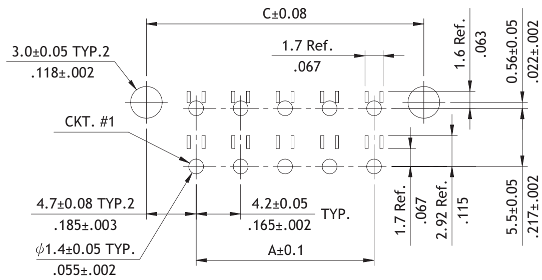
RoHS Compliant



Circuits	Dimension		
	A	B	C
2	-	5.5(.217)	9.4(.370)
4	4.2(.165)	9.7(.382)	13.6(.535)
6	8.4(.331)	13.9(.547)	17.8(.701)
8	12.6(.496)	18.1(.713)	22.0(.866)
10	16.8(.661)	22.3(.878)	26.2(1.031)
12	21.0(.827)	26.5(1.043)	30.4(1.197)
14	25.2(.992)	30.7(1.209)	34.6(1.362)
16	29.4(1.157)	34.9(1.374)	38.8(1.528)
18	33.6(1.322)	39.1(1.539)	43.0(1.693)
20	37.8(1.487)	43.3(1.705)	47.2(1.858)
22	42.0(1.652)	47.5(1.870)	51.4(2.024)
24	46.2(1.817)	51.7(2.035)	55.6(2.189)







Recommended P.C. Board Layout

Ordering Code

❶	❷	❸	❹	❺	❻
CP-01	1	24	1	1	0

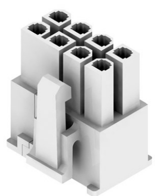
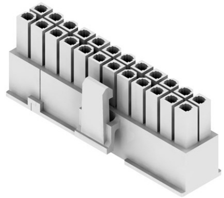
❶ Series No.
❷ Connector Type:
1 = Receptacle
❸ No. of Circuits:
02 to 24
❹ Plating: 1 = Tin over Nickel

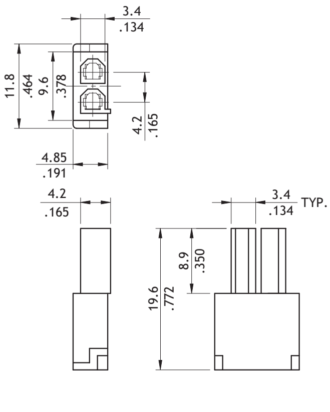
❺ Variation:
0 = UL 94V-0 (PA46) (DIM. D = 3.2mm)
1 = UL 94V-0 (PA66) (DIM. D = 3.4mm)
2 = UL 94V-2 (PA66) (DIM. D = 3.4mm)
3 = UL 94V-2 (GWT) (DIM. D = 3.4mm)
❻ Other Options: 0 = Standard
*Special options consult manufacturer

CP-011 Series 4.20mm (.165") Assembly Power Connectors

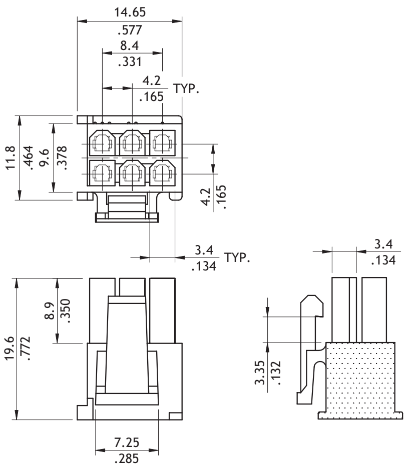
- ◎ With locking latch
- ◎ Mates with CP-012, CP-013 or CP-014 connector
- ◎ Nylon 66 UL 94V-0 or V-2 insulator material
- ◎ Can be used CP-011 crimp terminal
- ◎ Terminal accommodated AWG #16 ~ #26

RoHS Compliant

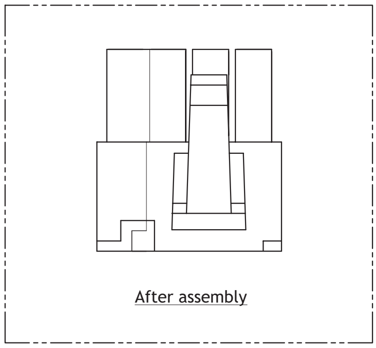



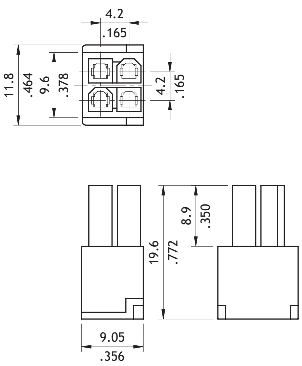


CP-011020**-D

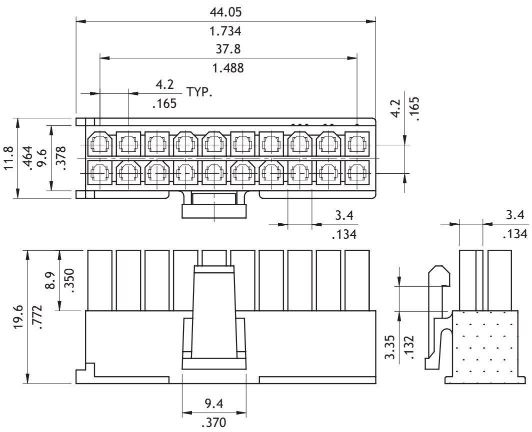


CP-011060**-D

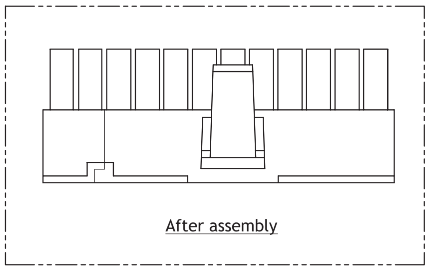




CP-011040*0-C



CP-011200*0-C



Ordering Code

❶	❷	❸	❹	❺	❻		❼
CP-01	1	20	0	1	0	–	C

❶ Series No.

❷ Connector Type: 1 = Receptacle

❸ No. of Circuits:
02, 04, 06, 20

❹ Plating: 0 = Non plating

❺ Variation: 1 = UL 94V-2
3 = UL 94V-0

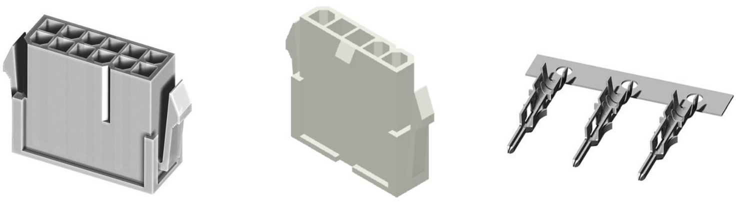
❻ Color Options:
0 = Nature (Standard)
*Special options consult manufacturer

❼ Other Options:
C = Assembly Type
D = PCI-E Assembly Type

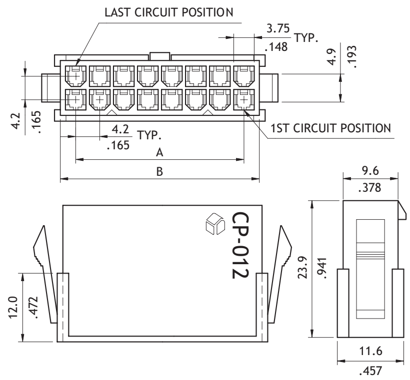
CP-012 Series 4.20mm (.165") Plug Connectors

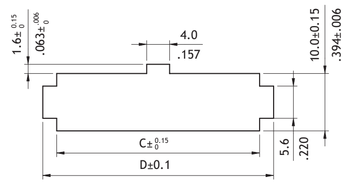
- ◎ With mounting ears
- ◎ Available in 2 through 24 circuits
- ◎ Mates with CP-011 connector
- ◎ Nylon 66 UL 94V-0 or V-2 insulator material
- ◎ Can be used CP-012 crimp terminal
- ◎ Terminal accommodated AWG #16 ~ #28
- ◎ Glow wire test material available

RoHS Compliant



P/N	CP-012**0*0

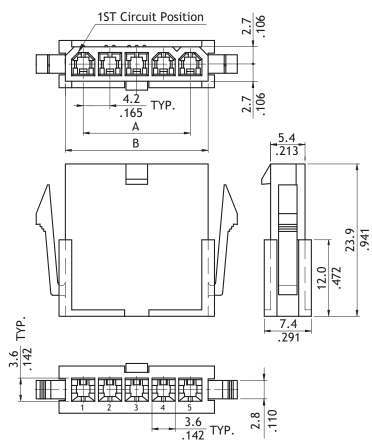




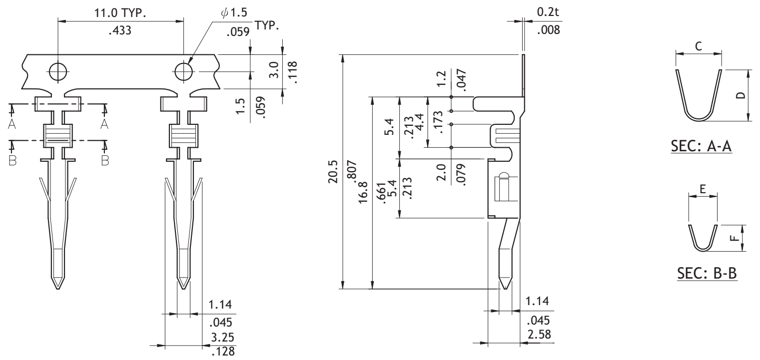
Mounting Hole Details

Circuits	Dimension			
	A	B	C	D
2	-	5.7 (.224)	6.1(.240)	11.1(.437)
4	4.2(.165)	9.9(.390)	10.3(.406)	15.3(.602)
6	8.4(.331)	14.1(.555)	14.5(.571)	19.5(.768)
8	12.6(.496)	18.3(.720)	18.7(.736)	23.7(.933)
10	16.8(.661)	22.5(.886)	22.9(.902)	27.9(1.098)
12	21.0(.827)	26.7(1.051)	27.1(1.067)	32.1(1.264)
14	25.2(.992)	30.9(1.217)	31.4(1.236)	36.3(1.429)
16	29.4(1.157)	35.1(1.382)	35.6(1.402)	40.5(1.594)
18	33.6(1.322)	39.3(1.547)	39.8(1.567)	44.7(1.760)
20	37.8(1.487)	43.5(1.713)	44.0(1.732)	48.9(1.925)
22	42.0(1.652)	47.7(1.878)	48.2(1.898)	53.1(2.091)
24	46.2(1.817)	51.9(2.043)	52.4(2.063)	57.3(2.256)

P/N	CP-012**0*S



Circuits	Dimension	
	A	B
3	8.4 (.331)	13.9(.547)
4	12.6(.496)	18.1(.713)
5	16.8(.661)	22.3(.878)



Part No.	Wire Range	Dimension				Insulation Range	Material	Reel Q'ty
		C	D	E	F			
CP-01200*01	AWG #22~26	3.4(.134)	3.3(.130)	2.5(.098)	2.3(.091)	0.9-1.8(.035-.071)	Brass	5,000 PCS
CP-01200*02	AWG #18~22	4.0(.158)	4.5(.177)	2.5(.098)	2.3(.091)	1.3-3.1(.051-.122)	Brass	4,000 PCS
CP-01200*03	AWG #22~26	3.4(.134)	3.3(.130)	2.5(.098)	2.3(.091)	0.9-1.8(.035-.071)	Phosphor Bronze	5,000 PCS
CP-01200*04	AWG #18~22	4.0(.158)	4.5(.177)	2.5(.098)	2.3(.091)	1.3-3.1(.051-.122)	Phosphor Bronze	4,000 PCS
CP-01200*05	AWG #16	4.0(.158)	4.5(.177)	2.8(.110)	2.6(.102)	1.8-3.1(.071-.122)	Brass	4,000 PCS
CP-01200*06	AWG #16	4.0(.158)	4.5(.177)	2.8(.110)	2.6(.102)	1.8-3.1(.071-.122)	Phosphor Bronze	4,000 PCS
CP-01200*04-HC	AWG #18~22	4.0(.158)	4.5(.177)	2.5(.098)	2.3(.091)	1.3-3.1(.051-.122)	High electric conductive copper alloy	4,000 PCS
CP-01200*06-HC	AWG #16	4.0(.158)	4.5(.177)	2.8(.110)	2.6(.102)	1.8-3.1(.071-.122)	High electric conductive copper alloy	4,000 PCS
CP-01200*07-HC	AWG #28	2.3(.091)	2.3(.091)	1.8(.071)	1.65(.065)	0.9(.035)	High electric conductive copper alloy	6,000 PCS

Ordering Code

❶	❷	❸	❹	❺	❻
CP-01	2	24	0	0	0

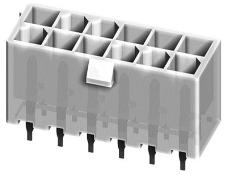
❶ Series No.
❷ Connector Type:
2 = Plug
❸ No. of Circuits:
02 to 24 (Dual Row)
03 to 05 (Single Row)
❹ Plating: 0 = Non plating

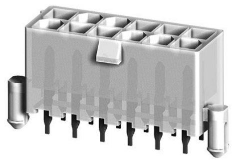
❺ Variation:
0 = UL 94V-0 (with mounting ears)
1 = UL 94V-2 (without mounting ear)
2 = UL 94V-0 (with mounting ears)
3 = UL 94V-0 (without mounting ear)
E = GWT approval (without mounting ear)
F = GWT approval (with mounting ears)

❻ Other Options:
0 = Standard (Dual Row)
S = Single Row
*Special options consult manufacturer

CP-013 Series 4.20mm (.165") Straight DIP Solder Headers

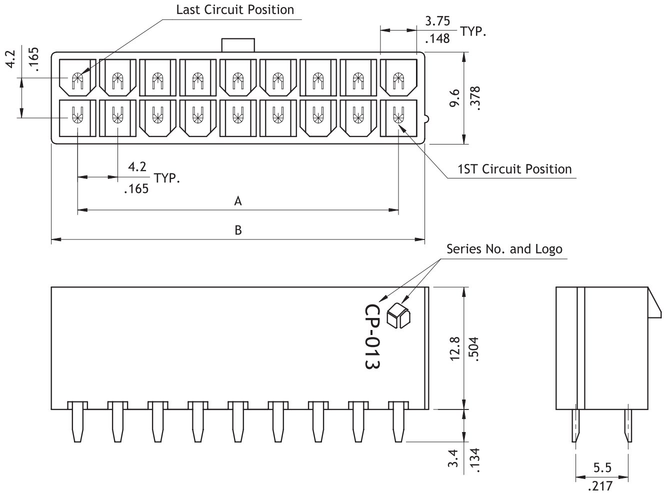
- ◎ Optional PCB mounting pegs
- ◎ Mates with CP-011 connector
- ◎ Nylon 66 UL 94V-0 or V-2 insulator material
- ◎ Glow wire test material available



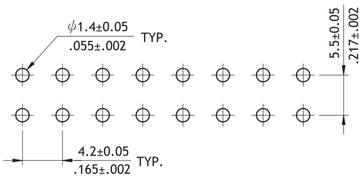


RoHS Compliant

P/N	CP-013**110 / CP-013**130 / CP-013**1E0

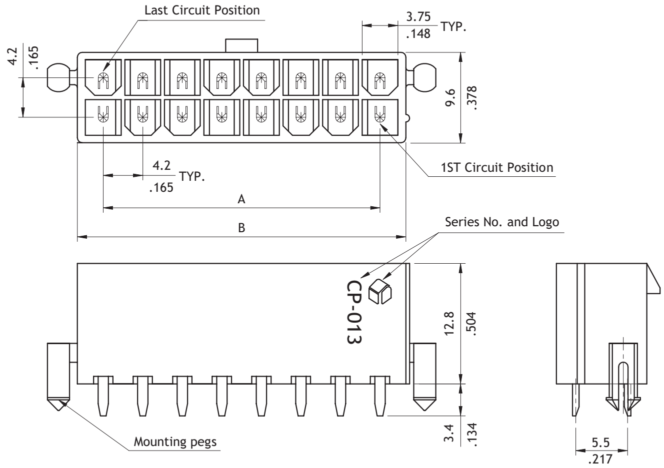


Circuits	Dimension	
	A	B
2	-	5.5(.217)
4	4.2(.165)	9.7(.382)
6	8.4(.331)	13.9(.547)
8	12.6(.496)	18.1(.713)
10	16.8(.661)	22.3(.878)
12	21.0(.827)	26.5(1.043)
14	25.2(.992)	30.7(1.209)
16	29.4(1.157)	34.9(1.374)
18	33.6(1.322)	39.1(1.539)
20	37.8(1.487)	43.3(1.705)
22	42.0(1.652)	47.5(1.870)
24	46.2(1.817)	51.7(2.035)

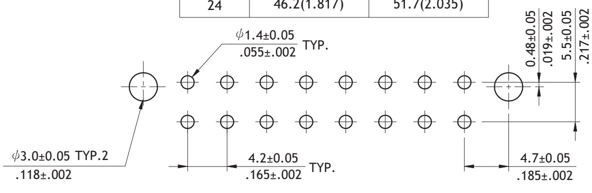


Recommended P.C. Board Layout

P/N	CP-013**140 / CP-013**150 / CP-013**1G0



Circuits	Dimension	
	A	B
2	-	5.5(.217)
4	4.2(.165)	9.7(.382)
6	8.4(.331)	13.9(.547)
8	12.6(.496)	18.1(.713)
10	16.8(.661)	22.3(.878)
12	21.0(.827)	26.5(1.043)
14	25.2(.992)	30.7(1.209)
16	29.4(1.157)	34.9(1.374)
18	33.6(1.322)	39.1(1.539)
20	37.8(1.487)	43.3(1.705)
22	42.0(1.652)	47.5(1.870)
24	46.2(1.817)	51.7(2.035)



Recommended P.C. Board Layout

Ordering Code

❶	❷	❸	❹	❺	❻
CP-01	3	24	1	1	0

❶ Series No.

❷ Connector Type:
3 = Straight PCB mount header

❸ No. of Circuits:
see above table

❹ Plating: 1 = Tin over Nickel

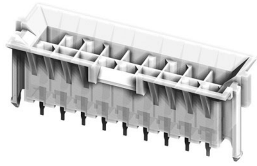
❺ Variation:
1 = UL 94V-2 (without mounting peg)
3 = UL 94V-0 (without mounting peg)
4 = UL 94V-2 (with mounting pegs)
5 = UL 94V-0 (with mounting pegs)
E = GWT approval (without mounting peg)
G = GWT approval (with mounting pegs)

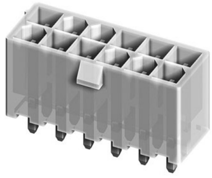
❻ Other Options:
0 = Standard
(with drain holes shown, non for 2 pin Type)
H = Without drain hole
*Special options consult manufacturer

CP-013 Series 4.20mm (.165") Straight DIP Solder Headers

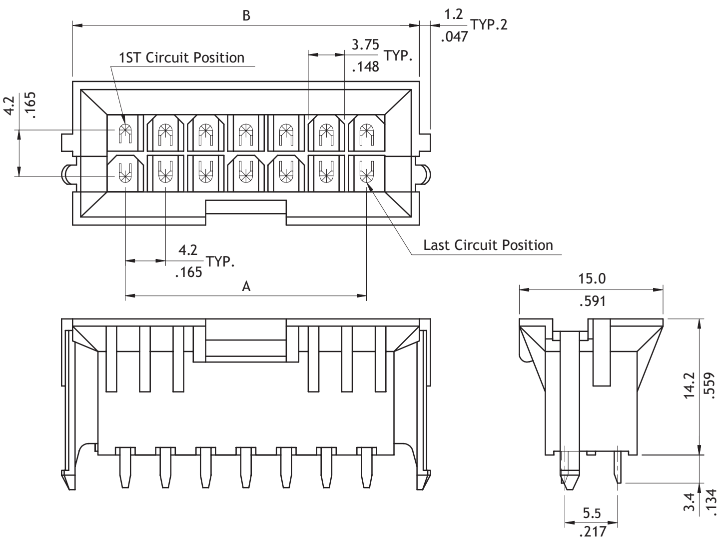
◎ Optional PCB mounting pegs
◎ Mates with CP-011 connector
◎ Nylon 66 UL 94V-0 or V-2 insulator material
◎ Glow wire test material available

RoHS Compliant

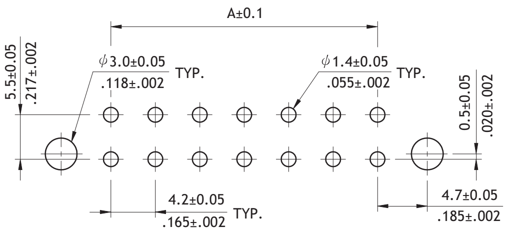




P/N	CP-013**160 / CP-013**170 / CP-013**1H0

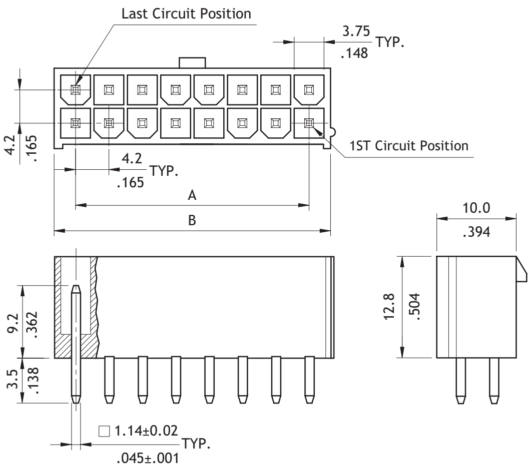


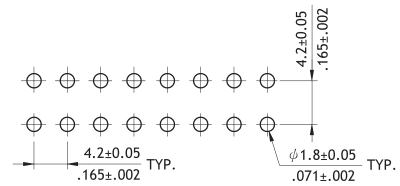
Circuits	Dimension	
	A	B
4	4.2(.165)	15.1(.594)
6	8.4(.331)	19.3(.760)
8	12.6(.496)	23.5(.925)
10	16.8(.661)	27.7(1.091)
14	25.2(.992)	36.1(1.421)
16	29.4(1.157)	40.3(1.587)
18	33.6(1.323)	44.5(1.752)
24	46.2(1.819)	57.1(2.248)



Recommended P.C. Board Layout

P/N	CP-013**180 / CP-013**190 / CP-013**1J0





Recommended P.C. Board Layout

Circuits	Dimension	
	A	B
2	-	6.0(.236)
4	4.2(.165)	10.2(.402)
6	8.4(.331)	14.4(.567)
8	12.6(.496)	18.6(.732)
10	16.8(.661)	22.8(.898)
12	21.0(.827)	27.0(1.063)
14	25.2(.992)	31.2(1.228)
16	29.4(1.157)	35.4(1.394)
18	33.6(1.322)	39.6(1.559)
20	37.8(1.487)	43.8(1.724)
22	42.0(1.652)	48.0(1.890)
24	46.2(1.817)	52.2(2.055)

Ordering Code

❶	❷	❸	❹	❺	❻
CP-01	3	24	1	6	0

❶ Series No.
❷ Connector Type:
3 = Straight PCB mount header
❸ No. of Circuits:
see above table
❹ Plating: 1 = Tin over Nickel

❺ Variation:
6 = UL 94V-2 (B.M.I Type)
7 = UL 94V-0 (B.M.I Type)
8 = UL 94V-2 (with square pin)
9 = UL 94V-0 (with square pin)
J = GWT UL 94V-2 (with square pin)
H = GWT UL 94V-0 (B.M.I Type)

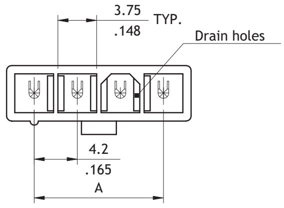
❻ Other Options:
0 = Standard
*Special options consult manufacturer

CP-013 Series 4.20mm (.165") Straight DIP Solder Headers

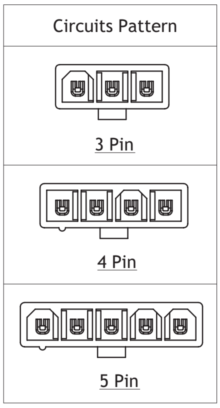
◎ Optional PCB mounting pegs
◎ Mates with CP-011 connector
◎ Nylon 66 UL 94V-0 or V-2 insulator material

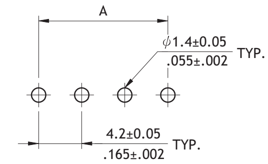
RoHS Compliant

P/N	CP-013**11S / CP-013**13S / CP-013**16S / CP-013**17S

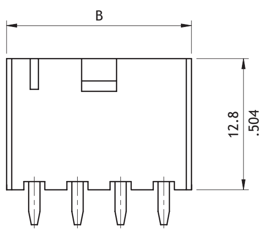


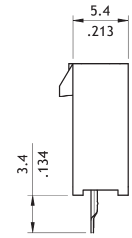
Circuits	Dimension A	Dimension B
3	8.4(.331)	13.8(.543)
4	12.6(.496)	18.0(.709)
5	16.8(.661)	22.2(.874)



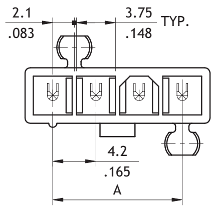


Recommended P.C. Board Layout

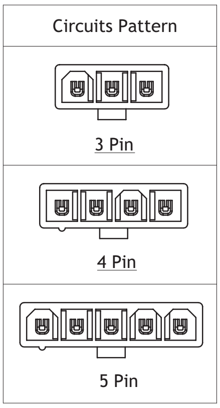


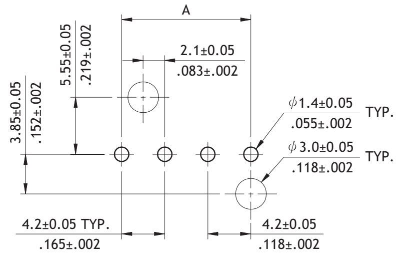


P/N	CP-013**14S / CP-013**15S / CP-013**18S / CP-013**19S

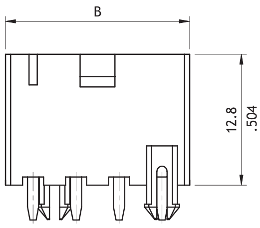


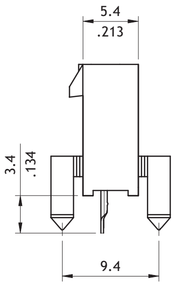
Circuits	Dimension A	Dimension B
3	8.4(.331)	13.8(.543)
4	12.6(.496)	18.0(.709)
5	16.8(.661)	22.2(.874)





Recommended P.C. Board Layout





Ordering Code

❶	❷	❸	❹	❺	❻
CP-01	3	05	1	1	S

❶ Series No.

❷ Connector Type:
3 = Straight PCB mount header

❸ No. of Circuits:
see above table

❹ Plating: 1 = Tin over Nickel

❺ Variation:

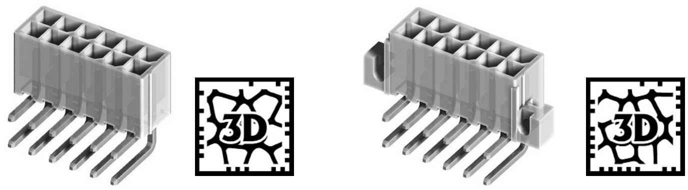
Without mounting peg:
1 = UL 94V-2 (with drain holes)
3 = UL 94V-0 (with drain holes)
6 = UL 94V-2 (without drain hole)
7 = UL 94V-0 (without drain hole)

With mounting pegs:
4 = UL 94V-2 (with drain holes)
5 = UL 94V-0 (with drain holes)
8 = UL 94V-2 (without drain hole)
9 = UL 94V-0 (without drain hole)

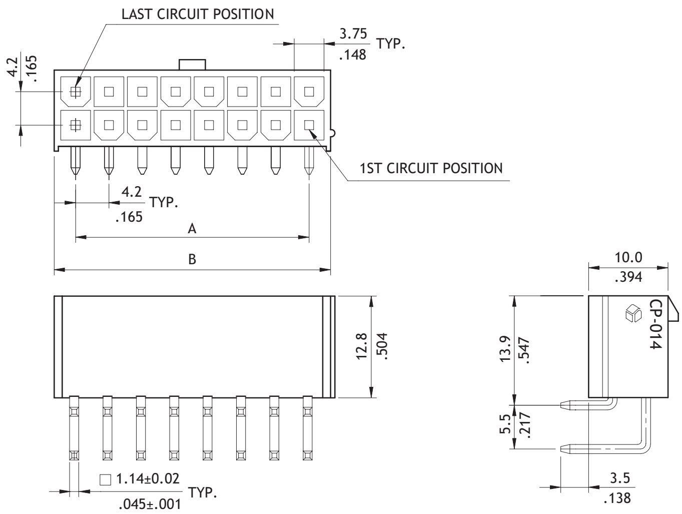
❻ Other Options: S = Single Row Header
*Special options consult manufacturer

CP-014 Series 4.20mm (.165") Right Angle DIP Solder Headers

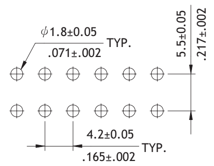
◎ Optional PCB mounting pegs
◎ Mates with CP-011 connector
◎ Nylon 66 UL 94V-0 or V-2 insulator material



P/N CP-014**110 / CP-014**130

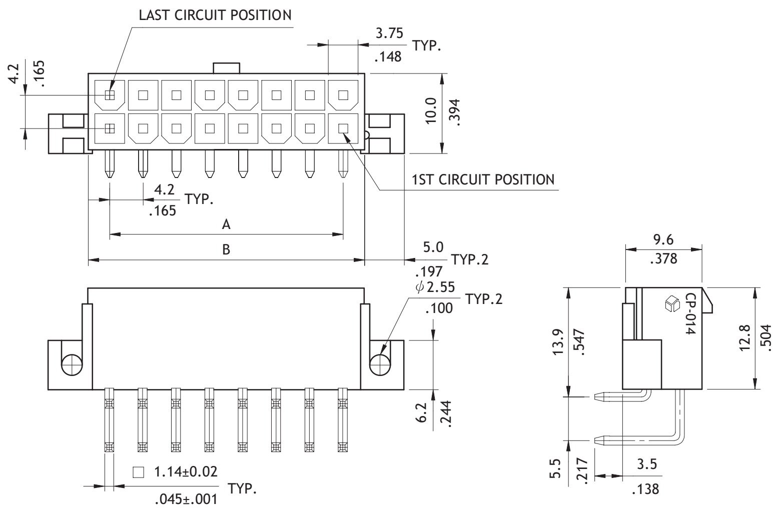


Circuits	Dimension	
	A	B
2	-	6.0(.236)
4	4.2(.165)	10.2(.402)
6	8.4(.331)	14.4(.567)
8	12.6(.496)	18.6(.732)
10	16.8(.661)	22.8(.898)
12	21.0(.827)	27.0(1.063)
14	25.2(.992)	31.2(1.228)
16	29.4(1.157)	35.4(1.394)
18	33.6(1.322)	39.6(1.559)
20	37.8(1.487)	43.8(1.724)
22	42.0(1.652)	48.0(1.890)
24	46.2(1.817)	52.2(2.055)

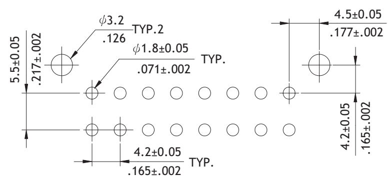


Recommended P.C. Board Layout

P/N CP-014**100 / CP-014**120



Circuits	Dimension	
	A	B
2	-	6.0(.236)
4	4.2(.165)	10.2(.402)
6	8.4(.331)	14.4(.567)
8	12.6(.496)	18.6(.732)
10	16.8(.661)	22.8(.898)
12	21.0(.827)	27.0(1.063)
14	25.2(.992)	31.2(1.228)
16	29.4(1.157)	35.4(1.394)
18	33.6(1.322)	39.6(1.559)
20	37.8(1.487)	43.8(1.724)
22	42.0(1.652)	48.0(1.890)
24	46.2(1.817)	52.2(2.055)



Recommended P.C. Board Layout

Ordering Code

❶	❷	❸	❹	❺	❻
CP-01	4	24	1	0	0

❶ Series No.
❷ Connector Type:
4 = Right Angle Header
❸ No. of Circuits:
see above table
❹ Plating: 1 = Tin over Nickel

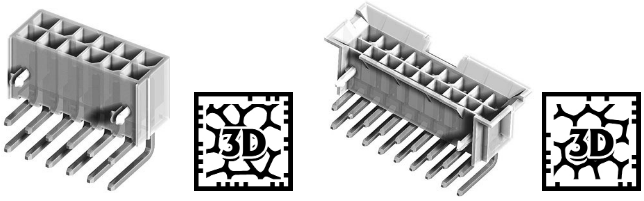
❺ Variation:
0 = UL 94V-2 (with mounting ears)
1 = UL 94V-2 (without mounting ear)
2 = UL 94V-0 (with mounting ears)
3 = UL 94V-0 (without mounting ear)

❻ Other Options:
0 = Standard
*Special options consult manufacturer

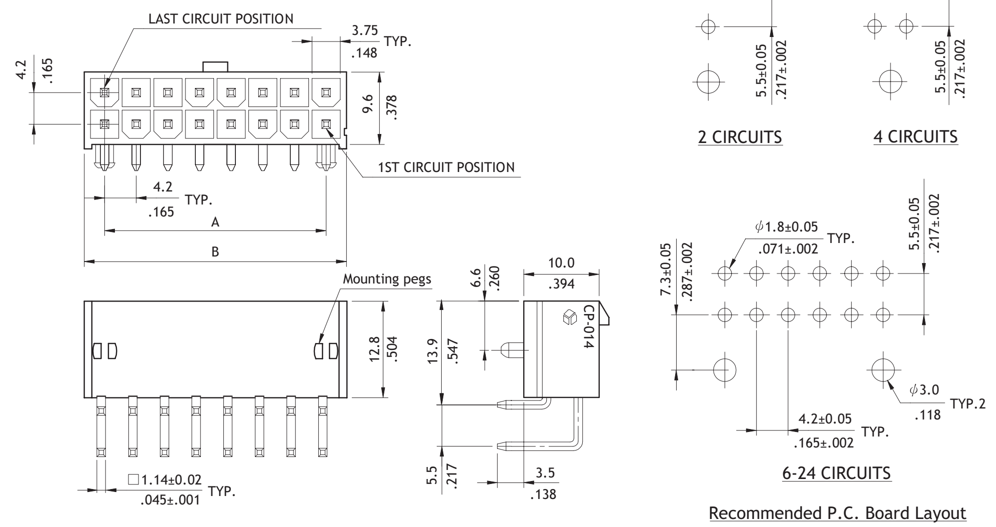
CP-014 Series 4.20mm (.165") Right Angle DIP Solder Headers

◎ Optional with mounting ears or pegs
◎ Mates with CP-011 connector
◎ Nylon 66 UL 94V-0 or V-2 insulator material
◎ Glow wire test approval material available

RoHS Compliant

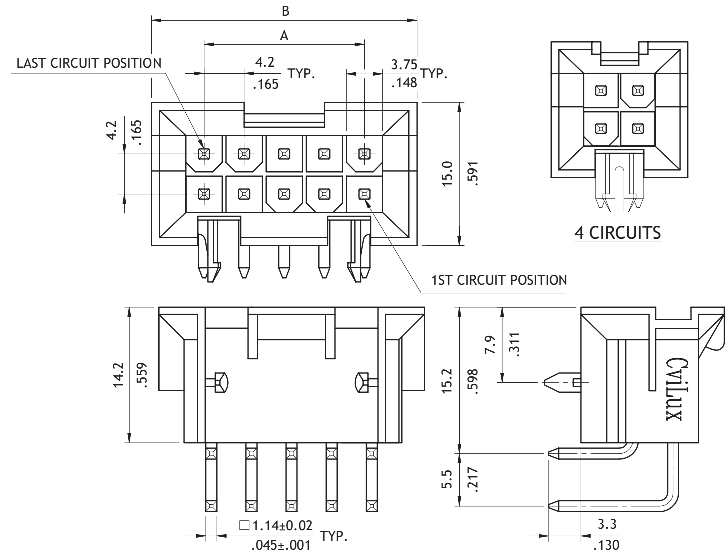


P/N	CP-014**140 / CP-014**150 / CP-014**1G0

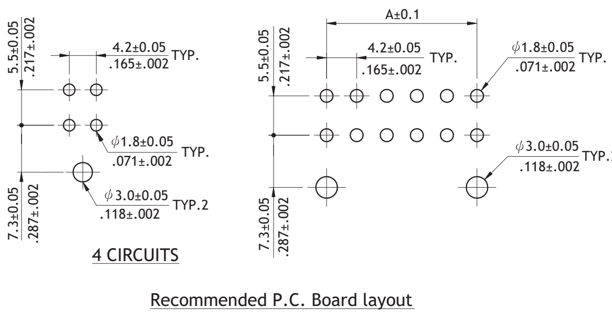


Circuits	Dimension	
	A	B
2	-	6.0(.236)
4	4.2(.165)	10.2(.402)
6	8.4(.331)	14.4(.567)
8	12.6(.496)	18.6(.732)
10	16.8(.661)	22.8(.898)
12	21.0(.827)	27.0(1.063)
14	25.2(.992)	31.2(1.228)
16	29.4(1.157)	35.4(1.394)
18	33.6(1.322)	39.6(1.559)
20	37.8(1.487)	43.8(1.724)
22	42.0(1.652)	48.0(1.890)
24	46.2(1.817)	52.2(2.055)

P/N	CP-014**160 / CP-014**170 / CP-014**1H0



Circuits	Dimension	
	A	B
4	4.2(.165)1	5.2(.598)
6	8.4(.331)	19.4(.764)
10	16.8(.661)	27.8(1.094)
14	25.2(.992)	36.2(1.425)
18	33.6(1.323)	44.6(1.756)
24	46.2(1.819)	57.2(2.252)



Ordering Code

❶	❷	❸	❹	❺	❻
CP-01	4	24	1	4	0

❶ Series No.
❷ Connector Type:
4 = Right Angle Header
❸ No. of Circuits:
see above table
❹ Plating: 1 = Tin over Nickel

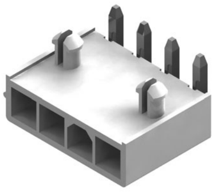
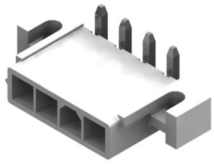
❺ Variation:
4 = UL 94V-2 (with mounting pegs)
5 = UL 94V-0 (with mounting pegs)
6 = UL 94V-2 (B.M.I Type)
7 = UL 94V-0 (B.M.I Type)
G = GWT Type (with mounting pegs)
H = GWT Type (B.M.I Type)

❻ Other Options:
0 = Standard
*Special options consult manufacturer

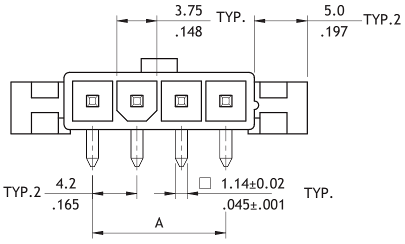
CP-014 Series 4.20mm (.165") Right Angle DIP Solder Headers

◎ Optional with mounting ears or pegs
◎ Mates with CP-011 connector
◎ Nylon 66 UL 94V-0 or V-2 insulator material

RoHS Compliant

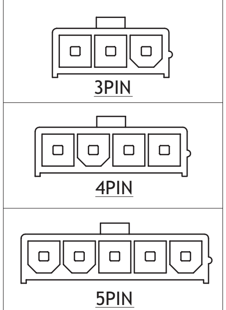



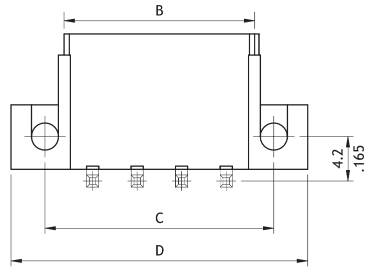
P/N	CP-014**10S / CP-014**12S

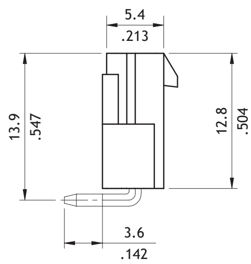


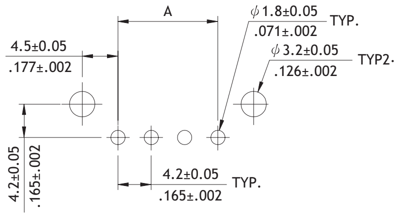
Circuits	Dimension A	Dimension B	Dimension C	Dimension D
3	8.4(.331)	13.8(.543)	17.4(.685)	23.8(.937)
4	12.6(.496)	18.0(.709)	21.6(.850)	28.0(1.102)
5	16.8(.661)	22.2(.874)	25.8(1.016)	32.2(1.268)

Circuits Pattern



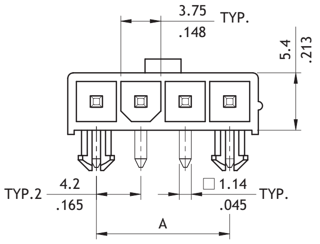






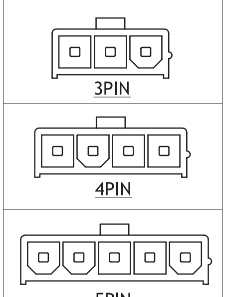
Recommended P.C. Board Layout

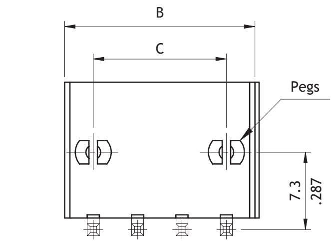
P/N	CP-014**11S / CP-014**13S/CP-014**14S / CP-014**15S

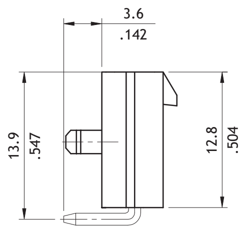


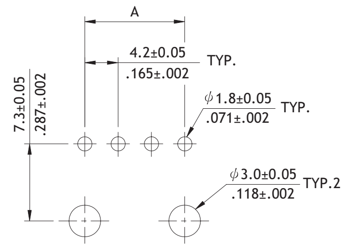
Circuits	Dimension A	Dimension B	Dimension C
3	8.4(.331)	13.8(.543)	8.4(.331)
4	12.6(.496)	18.0(.709)	12.6(.496)
5	16.8(.661)	22.2(.874)	16.8(.661)

Circuits Pattern









Recommended P.C. Board Layout

Ordering Code

❶	❷	❸	❹	❺	❻
CP-01	4	05	1	0	S

❶ Series No.
❷ Connector Type:
4 = Right Angle Header
❸ No. of Circuits:
see above table
❹ Plating: 1 = Tin over Nickel

❺ Variation:
0 = UL 94V-2 (with mounting ears)
1 = UL 94V-2 (without mounting ear and peg)
2 = UL 94V-0 (with mounting ears)
3 = UL 94V-0 (without mounting ear and peg)
4 = UL 94V-2 (with mounting pegs)
5 = UL 94V-0 (with mounting pegs)

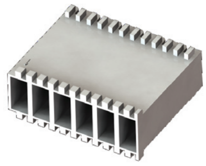
❻ Other Options:
S = Single Row Header
*Special options consult manufacturer

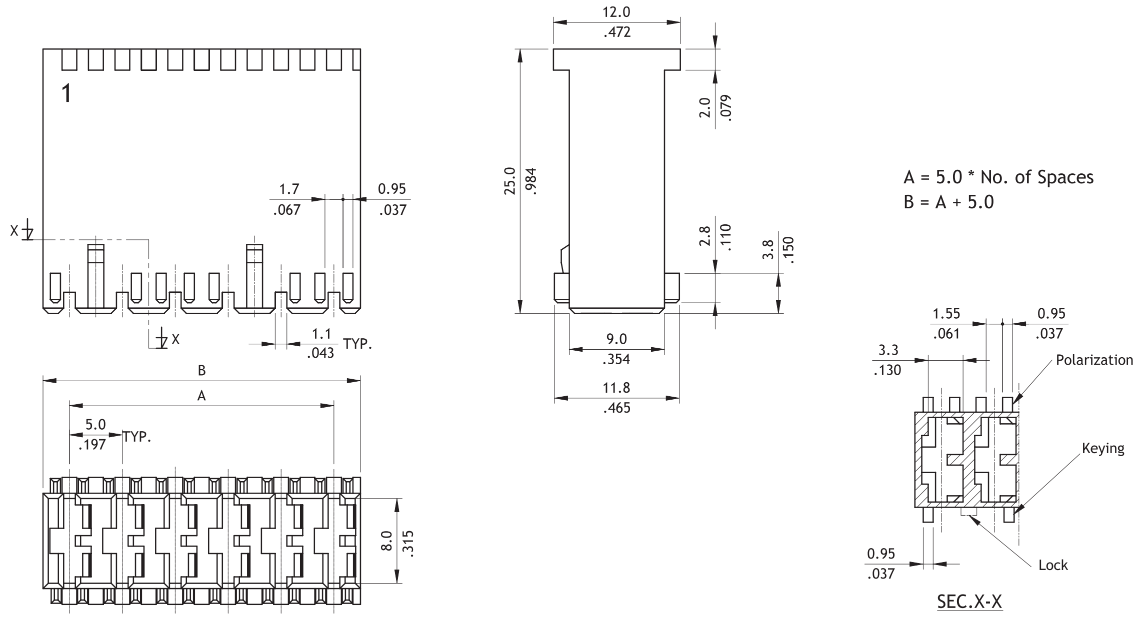
CP

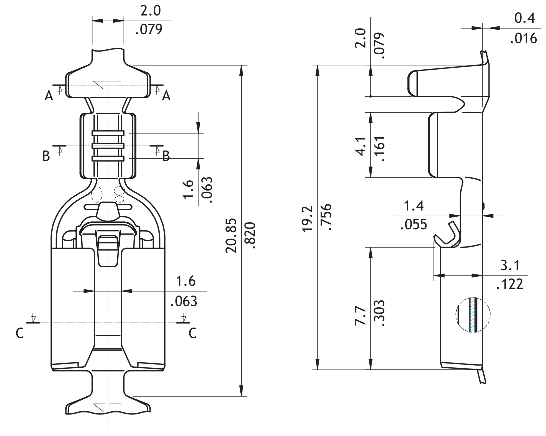
CP50 Series 5.00mm (.197") Wire to Board Connectors

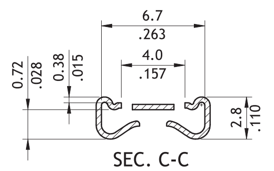
◎ Mate with CP50 Header
◎ Can be used CP50 Crimp Clip Terminal
◎ Insulator: Nylon 66 UL 94V-0, Color Nature

RoHS Compliant

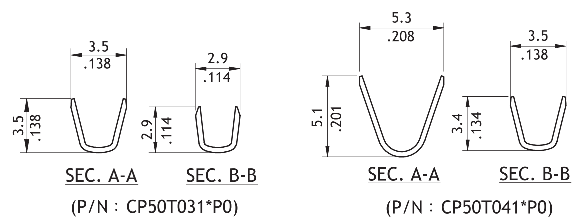








Part No.	Wire Range	Insulation Diameter	Reel Q'ty
CP50T031*P0	AWG #20~#22	2.55 (.100) MAX.	1,000 PCS.
CP50T041*P0	AWG #14~#18	3.45 (.136) MAX.	1,000 PCS.



Ordering Code

❶	❷	❸	❹	❺	❻
CP50	12	S	0	0	0A

❶ Series No.
❷ No. of Circuits: 02 to 12
❸ S = Receptacle
❹ 0 = With Lock; N = Without Lock
❺ Color: 0 = Nature
❻ Options: 0A = Consult manufacturer for Polarization, keying and locking options.

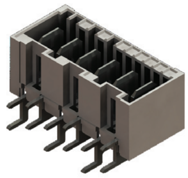
❶	❷	❸	❹	❺	❻
CP50	T04	1	B	P	0

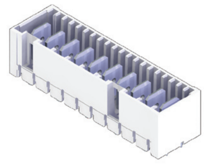
❶ Series No.
❷ Wire Range: T03 = AWG #20 ~ #22
T04 = AWG #14 ~ #18
❸ Plating: 1 = Tin over Nickel
❹ Material: P = Phosphor Bronze; B= Brass
❺ Plating method: P = Post Plating
❻ Options: 0 = Standard

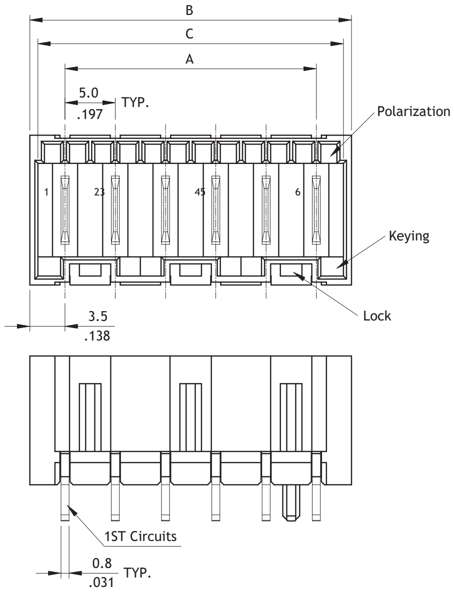
CP50 Series 5.00mm (.197") Wire to Board Connectors

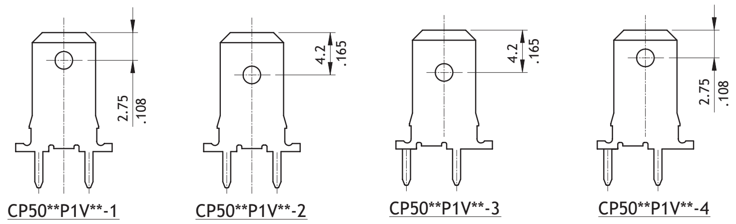
◎ Mate with CP50 Housing

RoHS Compliant Pb

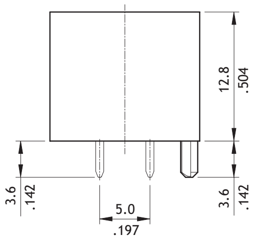


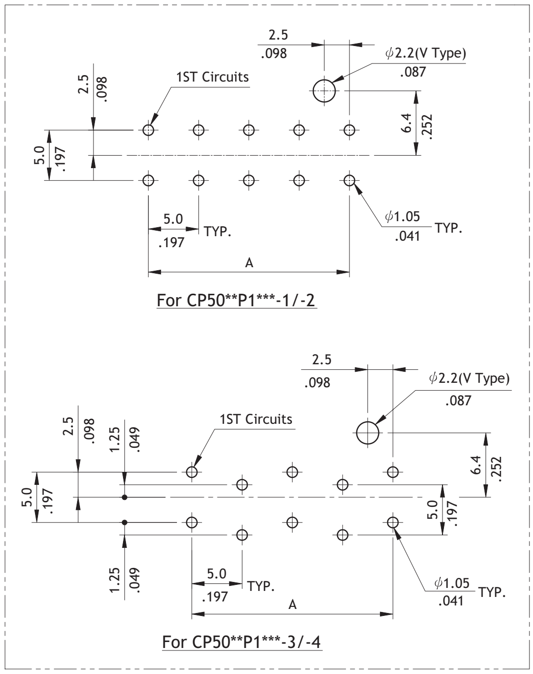




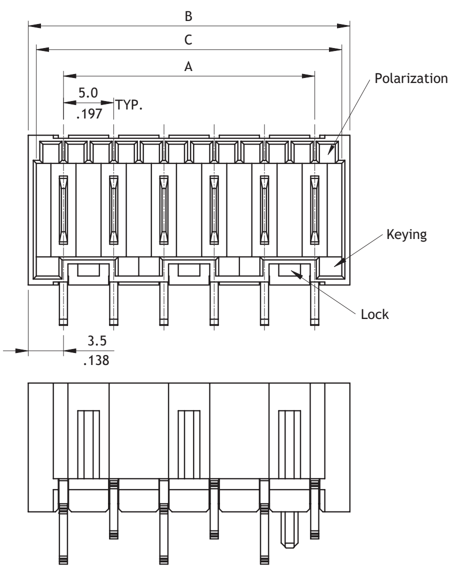


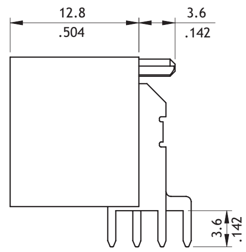
A = 5.0 * No. of Spaces
B = A + 7.0
C = A + 5.2

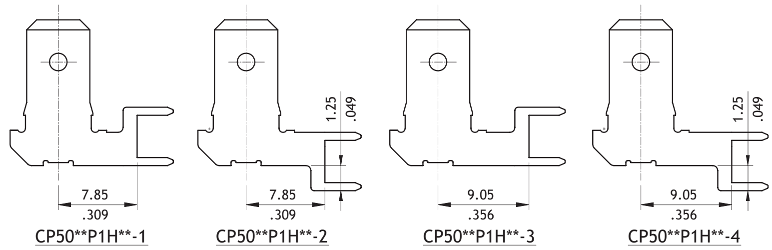




A = 5.0 * No. of Spaces
B = A + 7.0
C = A + 5.2







Ordering Code

❶	❷	❸	❹	❺	❻		❼
CP50	06	P	1	V	0A	–	1

❶ Series No.
❷ No. of Circuits: 02 to 12
❸ P = Plug
❹ Plating:
1 = Tin over Nickel

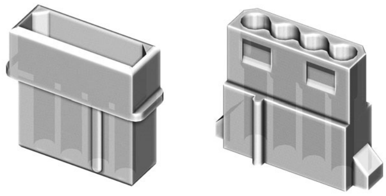
❺ Contact Type: V = Straight Type
H = Right Angle Type
❻ Options:
0A: Consult manufacturer for Polarization, keying and locking options
❼ Terminal Type: 1, 2, 3, 4

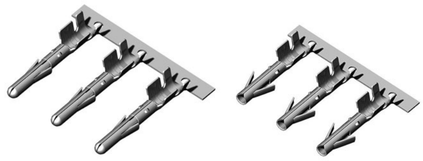
CP

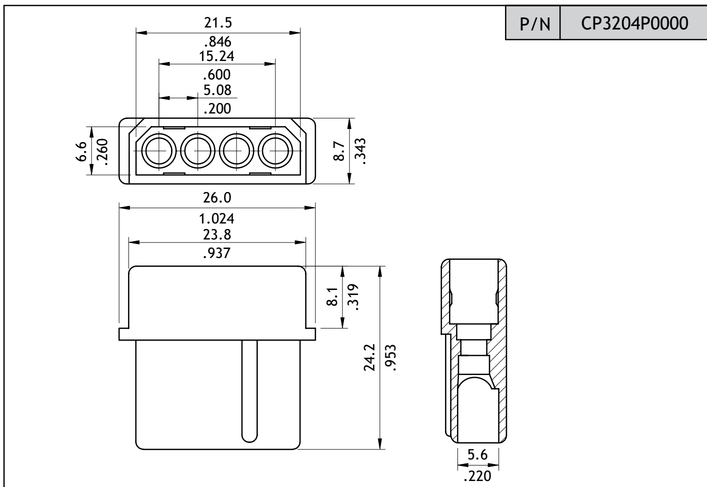
CP32 Series 5.08mm (.200") Power Connectors

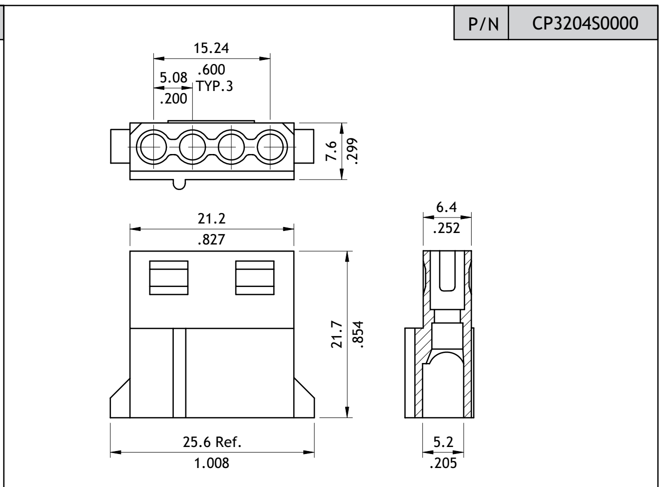
- ◎ Power connector for Disk Driver
- ◎ Can be used CP32 Crimp Terminal
- ◎ Nylon 66 UL 94V-2, Color Nature
- ◎ Terminal : Tin plated Brass

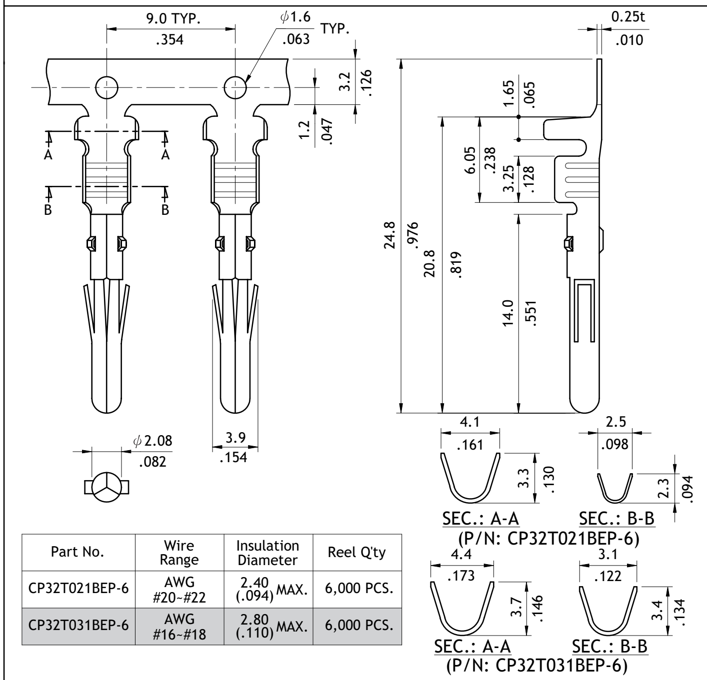
RoHS Compliant



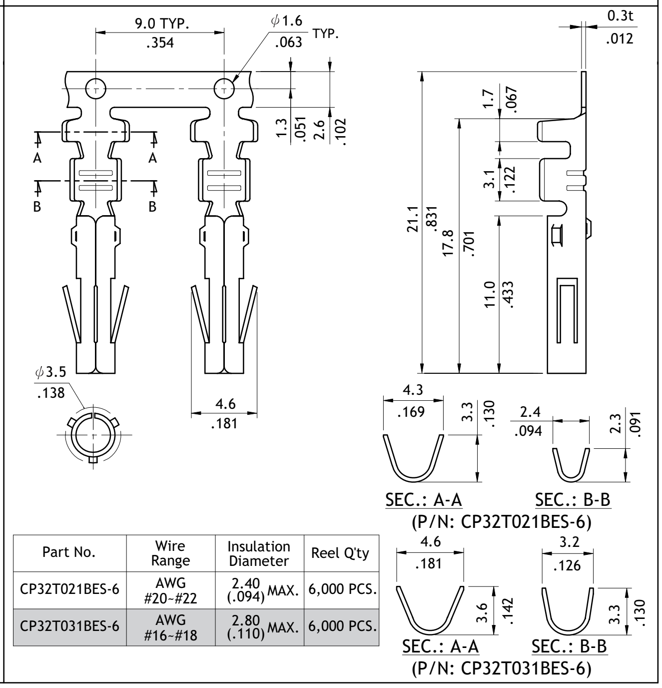








Part No.	Wire Range	Insulation Diameter	Reel Q'ty
CP32T021BEP-6	AWG #20~#22	2.40 (.094) MAX.	6,000 PCS.
CP32T031BEP-6	AWG #16~#18	2.80 (.110) MAX.	6,000 PCS.



Part No.	Wire Range	Insulation Diameter	Reel Q'ty
CP32T021BES-6	AWG #20~#22	2.40 (.094) MAX.	6,000 PCS.
CP32T031BES-6	AWG #16~#18	2.80 (.110) MAX.	6,000 PCS.

Ordering Code

❶	❷	❸	❹	❺
CP32	04	S	0	000

❶ Series No.

❷ No. of Circuits: 04

❸ Type: P = Plug

S = Receptacle

❹ Color:

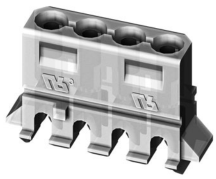
0 = Nature

❺ Other Options: 000 = Standard

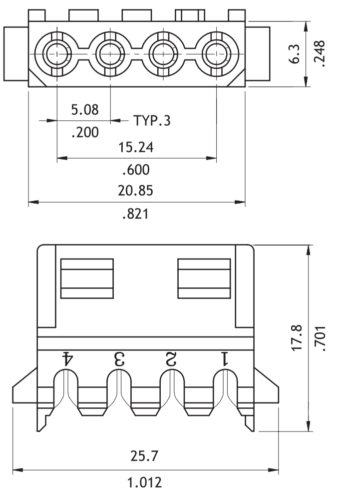
*Special options consult manufacturer

CP33 Series 5.08mm (.200") IDC Plug Power Connectors

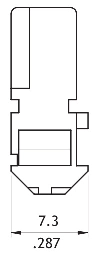
- ◎ Insulator displacement termination
- ◎ Option closed end daisy chain cover
- ◎ Mates with CP32 or CP33 plug connector
- ◎ Accept AWG #18 ~#22 wire
- ◎ Nylon 66 UL 94V-0 or V-2 Color Nature
- ◎ Contact: Tin plated Phosphor Bronze

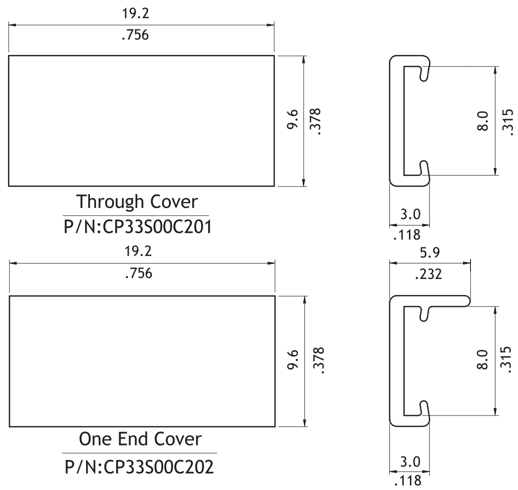


RoHS Compliant



Part No.	Flame Class	Wire Range
CP3304S1000	94V-2	AWG #18~#20
CP3304S100A	94V-2	AWG #22
CP3304S100B	94V-0	AWG #18~#20
CP3304S100C	94V-0	AWG #22



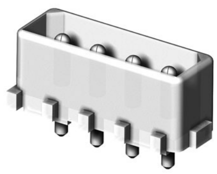


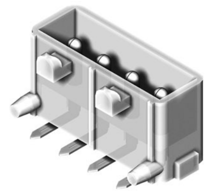
Through Cover
P/N:CP33S00C201

One End Cover
P/N:CP33S00C202

CP33 Series 5.08mm (.200") Board Mount Receptacle Power Connectors

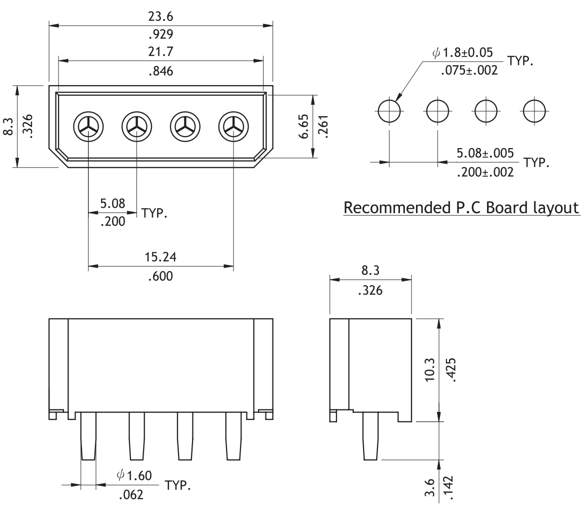
- ◎ Optional mounting pegs
- ◎ Mates with CP32 or CP33 Receptacle connector
- ◎ Nylon 66 UL 94V-2, Color Nature
- ◎ Contact : Tin plated Phosphor Bronze





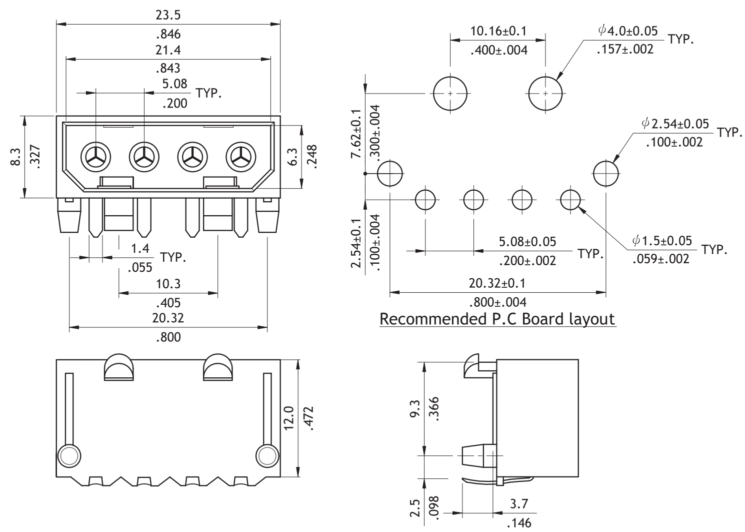
RoHS Compliant

P/N	CP3304P1V00



Recommended P.C Board layout

P/N	CP3304P1H00



Recommended P.C Board layout