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
Contact Resistance: <20 m
Insulation 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

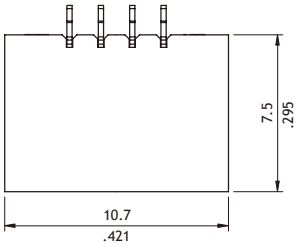
Electrical:
Current rating: 6 Amps max.
Dielectric Withstanding: 1500 VAC for one minute
Contact Resistance: < 20 mΩ
Insulation Resistance: > 1000 MΩ
Operating Temperature: -25°C ~ +85°C

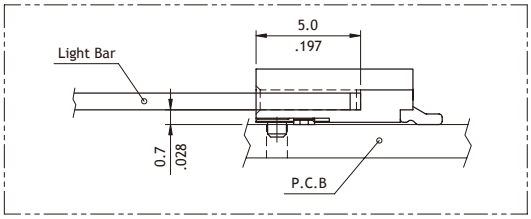
Physical:
Housing: Nylon 66 , Color Nature
DIP Type Header:
Nylon 66 , Color Nature
Flammability Rating:
UL 94V-0 or UL 94V-2
Contacts: Copper alloy
Contacts plated: Tin over Nickel
Please see plating code for other options.

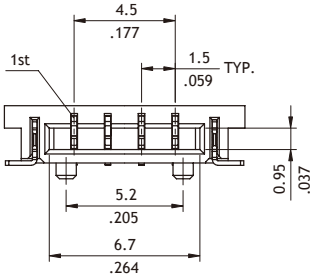
CP14 Series 1.50mm(.059") Single Row Side Entry SMT Headers

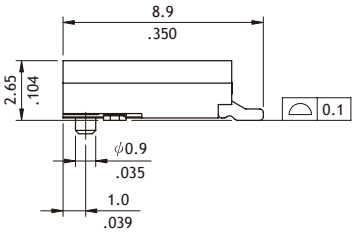
◎ Simplify manufacturing procedure
◎ Reduce the Cost
◎ Insulator: High temperature plastic UL 94V-0
◎ FPC zero insertion force and high holding force
◎ Insulation: High temperature plastic UL 94V-0, Color Black
◎ With metal fixed tabs to secure connector in place

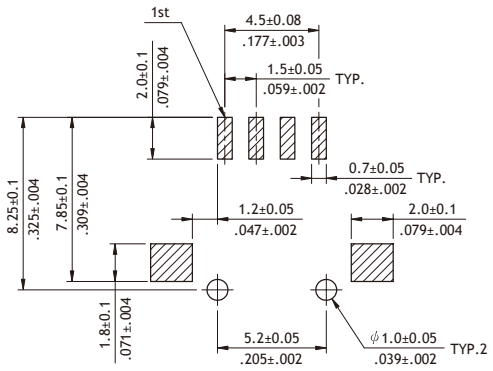
RoHS Compliant



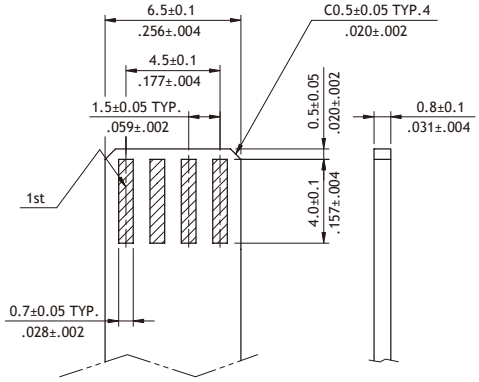








Recommended PCB Layout



Recommended FR4 Layout

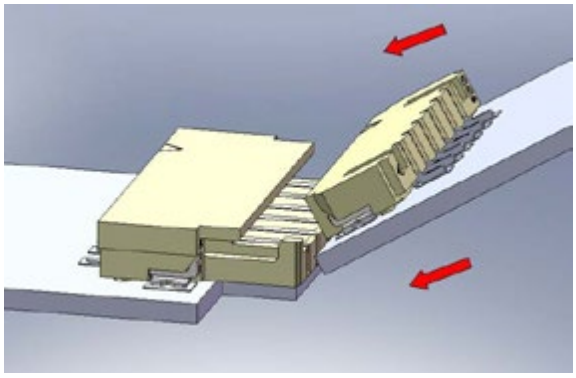
Ordering Code

①	②	③	④	⑤	⑥	⑦		⑧
CP14	04	M	1	H	R	B	-	NH

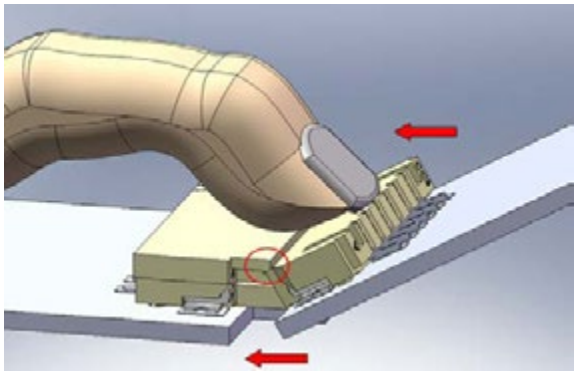
① Series No.
② No. of Circuits: 02 to 10
(Available: 4)
*Circuits not found above,
please consult manufacturer
③ M = SMT Type
④ Plating: 1 = Matte Tin over Nickel
⑤ Type: H = Side Entry
⑥ Packing Options:
R = Tape & Reel
⑦ Other Options:
B = Upside Contact
⑧ Process: -NH = For Lead Free soldering process and Halogen-Free

CP15 Series 1.50mm(.069") SMT Headers

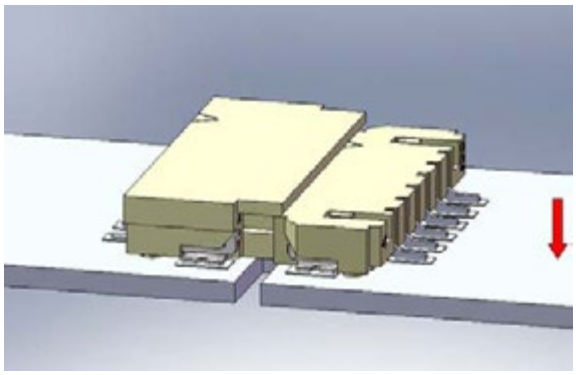
Mating:



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

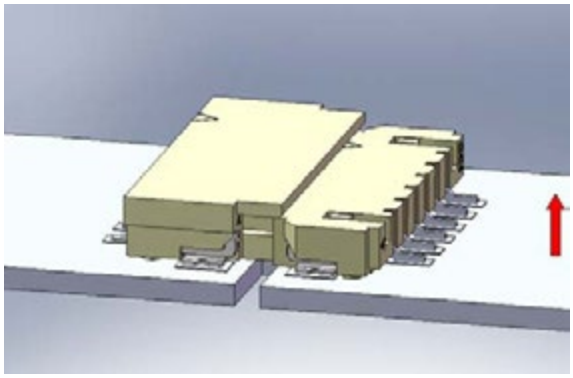


Step 2:
Push the male header to the end. Make sure the male header is under the rib of female header by finger.

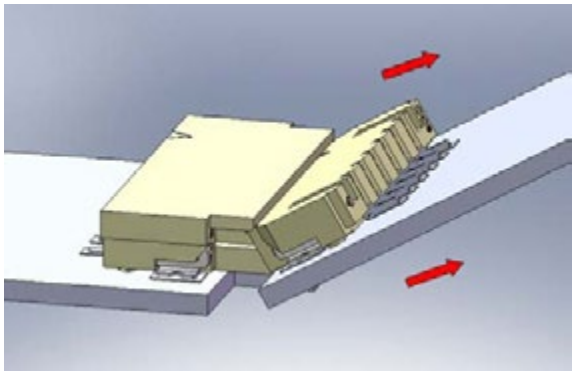


Step 3:
Press down the male header down vertically to finish the connection.

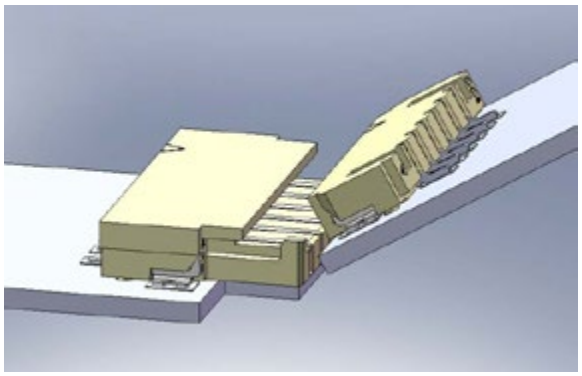
Unmating:



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



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

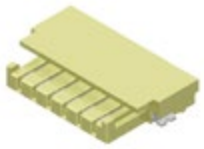


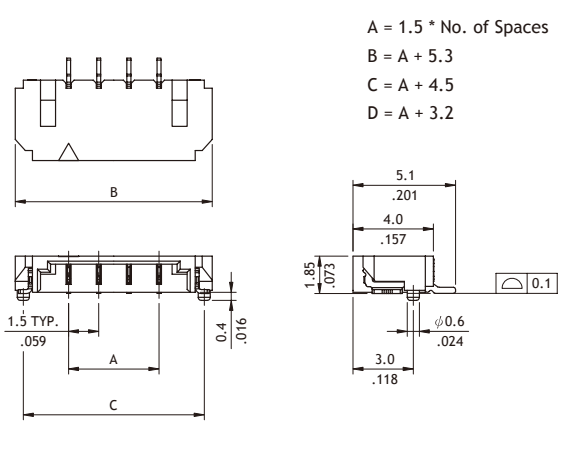
Step 3:
Finish

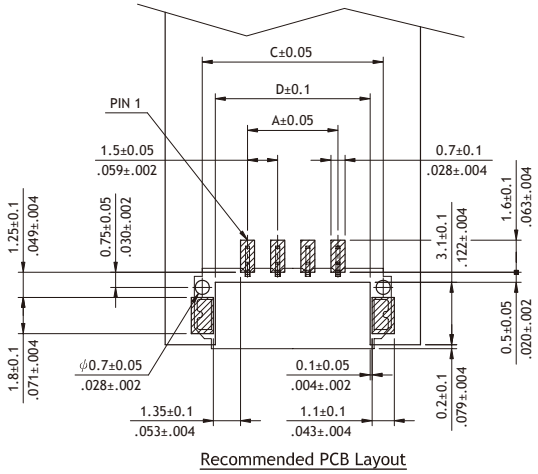
CP15 Series 1.50mm(.069") SMT Headers

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

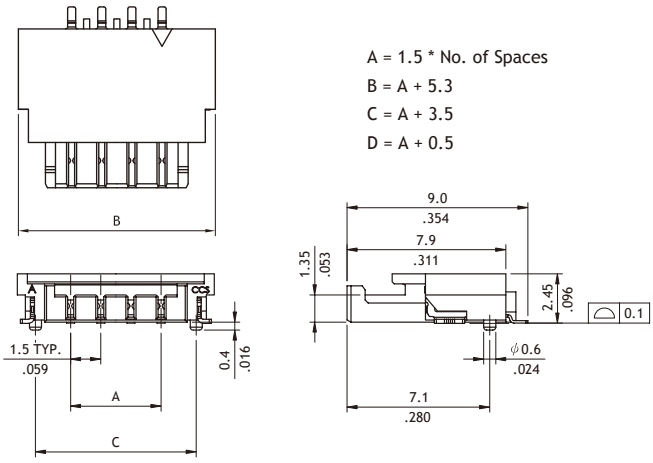
RoHS Compliant

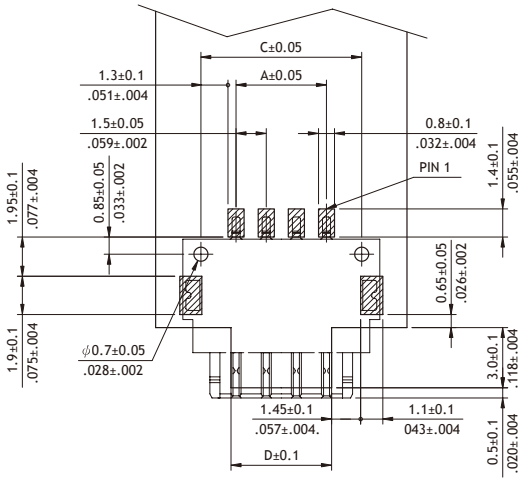







Recommended PCB Layout





Recommended PCB Layout

Ordering Code

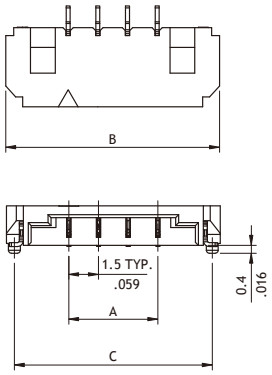
①	②	③	④	⑤	⑥	⑦		⑧
CP15	04	M	1	S	R	0	-	NH

① Series No.
② No. of Circuits: 02 to 10
(Available in 3, 4, 5pin)
*Circuits not found above, please consult manufacturer
③ M = SMT Type
④ Plating:
1 = Matte Tin over Nickel
⑤ Type: P = Plug
S = Receptacle
⑥ Packing Options:
R = Tape & Reel (PA6T)
⑦ Other Options:
0 = Standard
1 = Omitted pin No.2 (3 pin)
*Special option consult manufacturer
⑧ Process: -NH = For Lead Free IR process and Halogen-Free

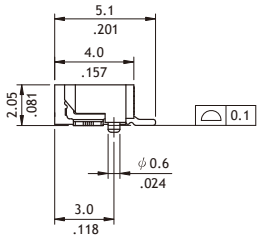
CP15 Series 1.50mm(.069") SMT Headers

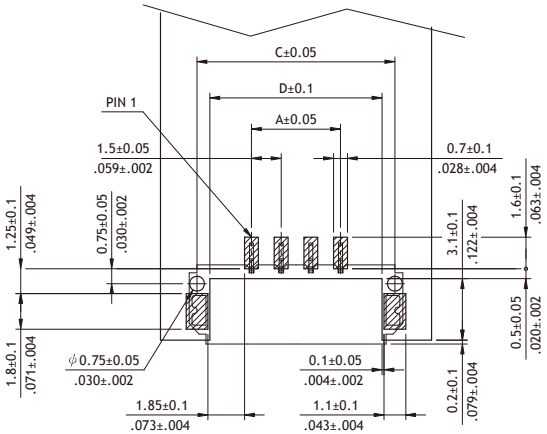
◎ With taller height, width and enhanced structure
◎ Simplify manufacturing procedure
◎ Reduce the Cost
◎ Insulator: High temperature plastic UL 94V-0
◎ With metal fixed tabs to secure connector in place

RoHS Compliant

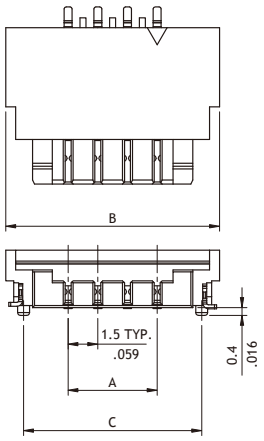


A = 1.5 * No. of Spaces
B = A + 6.3
C = A + 5.5
D = A + 4.2

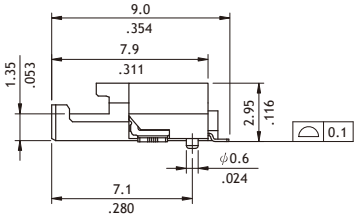


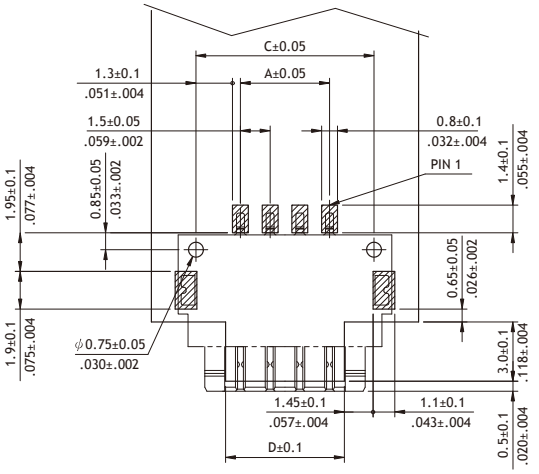


Recommended PCB Layout



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





Recommended PCB Layout

Ordering Code

①	②	③	④	⑤	⑥	⑦		⑧
CP15	04	M	1	S	R	B	-	NH

① Series No.
② No. of Circuits: 02 to 10
(Available in 03, 04 pin)
*Circuits not found above, please consult manufacturer
③ M = SMT Type

④ Plating:
1 = Matte Tin over Nickel
⑤ Type: P = Plug
S = Receptacle
⑥ Packing Options:
P = Tape & Reel (LCP)
R = Tape & Reel (PA6T)

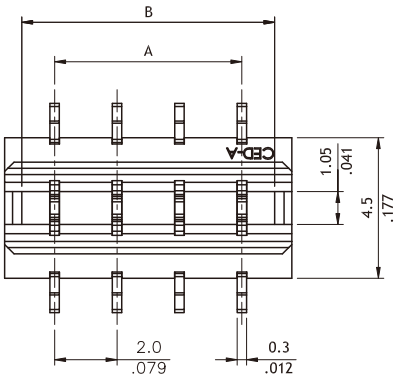
⑦ Other Options:
A = Omitted pin No.2 (3 pin)
B = Full of pin
*Special option consult manufacturer
⑧ Process: -NH = For Lead Free IR process and Halogen-Free

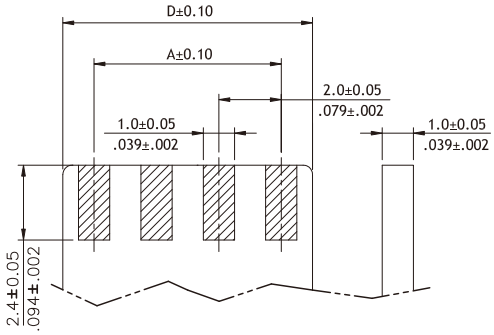
CP27 Series 2.00mm(.079") SMT Headers

◎ Base: High temperature plastic UL 94V-0, Color Nature
◎ Contact: Copper alloy

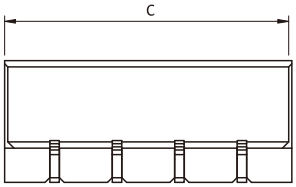
RoHS Compliant

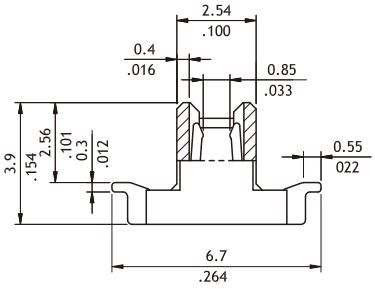
NEW

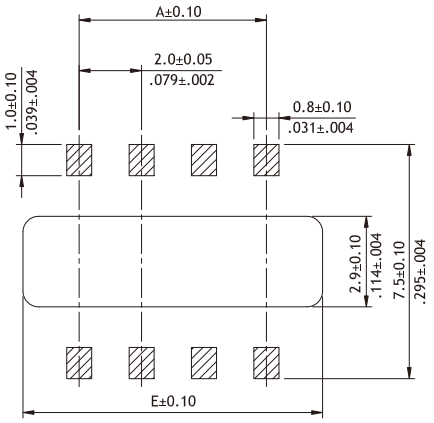




Accommodated P.C.B







Recommended PCB Layout

Circuits	Dim.A	Dim.B	Dim.C	Dim.D	Dim.E
2	-	4.1(.161)	5.2(.205)	4.0(.157)	5.6(.220)
4	6.0(.236)	8.1(.319)	9.2(.362)	8.0(.315)	9.6(.378)

Ordering Code

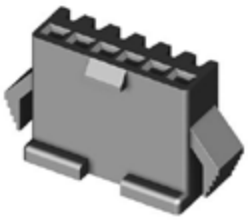
①	②	③	④	⑤	⑥		⑦
CP27	04	M	1	V	00	-	NH

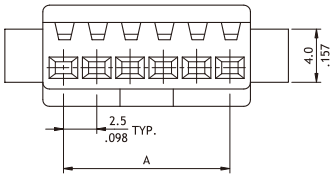
① Series No.
② No. of Circuits: 2, 4 Pin
③ M= SMT type header
④ Plating: 1= Matte Tin over Nickel
⑤ Type: V = Straight
⑥ Option:00= Standard
⑦ Process: -LF = For Lead Free soldering process
-NH = For Lead Free soldering process and Halogen-Free

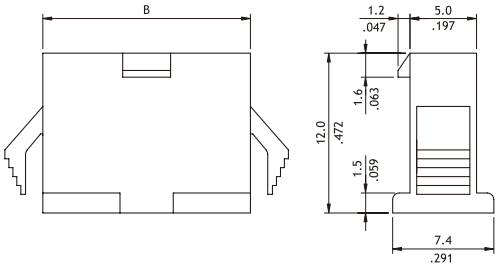
CP06 Series 2.50mm(.098") Receptacle Connectors

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

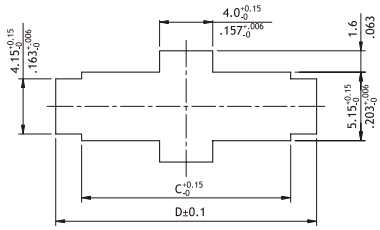
RoHS Compliant

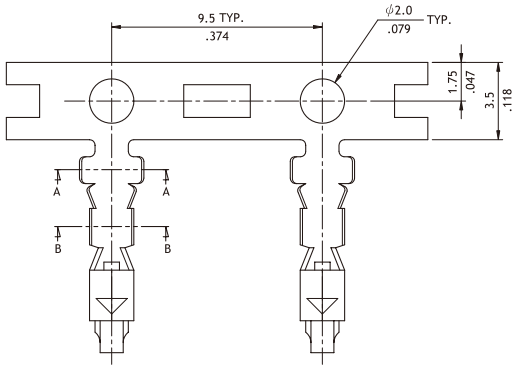


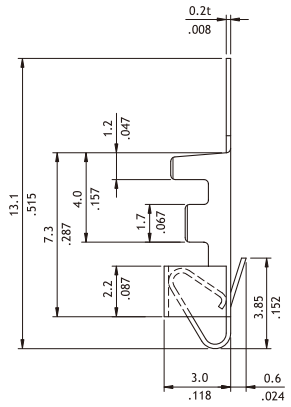




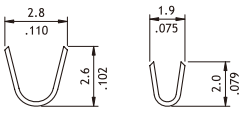
Circuits	Dimension			Dimension D		
	A	B	C	t= 0.5~0.9mm	t= 1.0~1.5mm	t= 1.5~2.0mm
2	2.5(.098)	5.7(.224)	5.8(.228)	9.6(.378)	9.8(.386)	10.0(.394)
3	5.0(.197)	8.2(.323)	8.3(.327)	12.1(.476)	12.3(.484)	12.5(.492)
4	7.5(.295)	10.7(.421)	10.8(.425)	14.6(.575)	14.8(.583)	15.0(.591)
5	10.0(.394)	13.2(.519)	13.3(.524)	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.



SEC.: A-A SEC.: B-B

Ordering Code

① ② ③ ④ ⑤
CP06 12 S 001 0

① Series No.
② No. of Circuits: 02 to 12
③ Type: S = Receptacle
④ Color: 001 = Color Black
⑤ Other Options: 0 = Standard
*Special options consult manufacturer

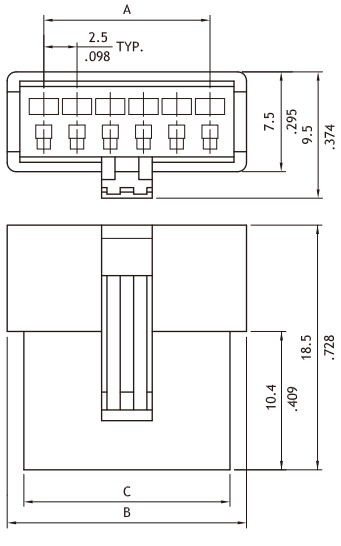
① ② ③ ④ ⑤
CP06 T02 1 B ES

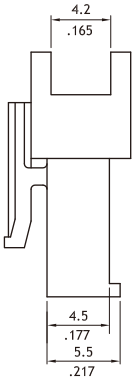
① Series No.
② Wire Range: T02 = AWG #22 ~ #28
③ Plating: 1 = Tin over Nickel
④ Material: B = Brass
⑤ Style: ES = Receptacle Terminal

CP06 Series 2.50mm(.098") Plug Connectors

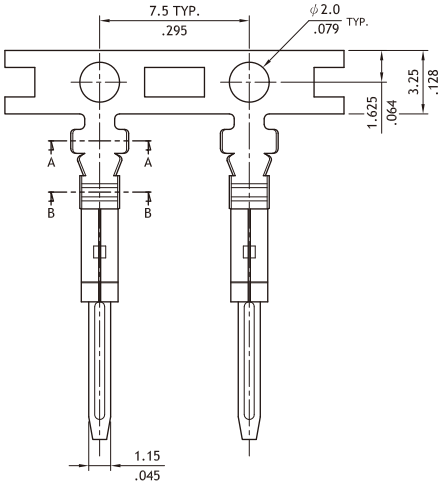
◎ With locking latch mounting ears
◎ Available in 2 through 12 circuits
◎ Can be used CP06 Crimp terminal
◎ Nylon 66 UL 94V-2, Color Black

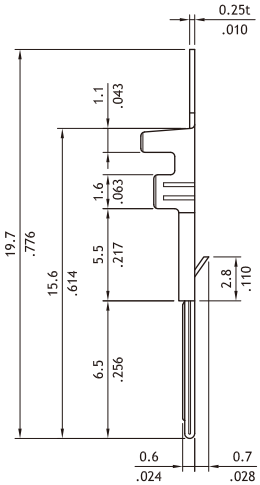
RoHS Compliant



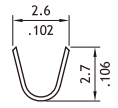


Circuits	Dimension		
	A	B	C
2	2.5(.098)	8.2(.323)	5.5(.216)
3	5.0(.197)	10.7(.421)	8.0(.315)
4	7.5(.295)	13.2(.519)	10.5(.413)
5	10.0(.394)	15.7(.618)	13.0(.512)
6	12.5(.492)	18.2(.717)	15.5(.610)
7	15.0(.591)	20.7(.815)	18.0(.709)
8	17.5(.689)	23.2(.915)	20.5(.807)
9	20.0(.787)	25.7(1.012)	23.0(.905)
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)

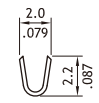




Wire Range	Insulation Diameter	Reel Q'ty
AWG #22~#28	1.70 (.067) MAX.	7000 PCS.



SEC.: A-A



SEC.: B-B

Ordering Code

① CP06 ② 12 ③ P ④ 001 ⑤ 0

① Series No.
② No. of Circuits: 02 to 12
③ Type: P = Plug
④ Color: 001 = Color Black
⑤ Other Options: 0 = Standard
*Special options consult manufacturer

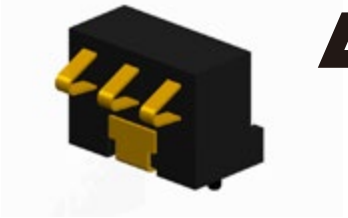
① CP06 ② T02 ③ 1 ④ B ⑤ EP

① Series No.
② Wire Range: T02 = AWG #22 ~ #28
③ Plating: 1 = Tin over Nickel
④ Material: B = Brass
⑤ Style: EP = Plug Terminal

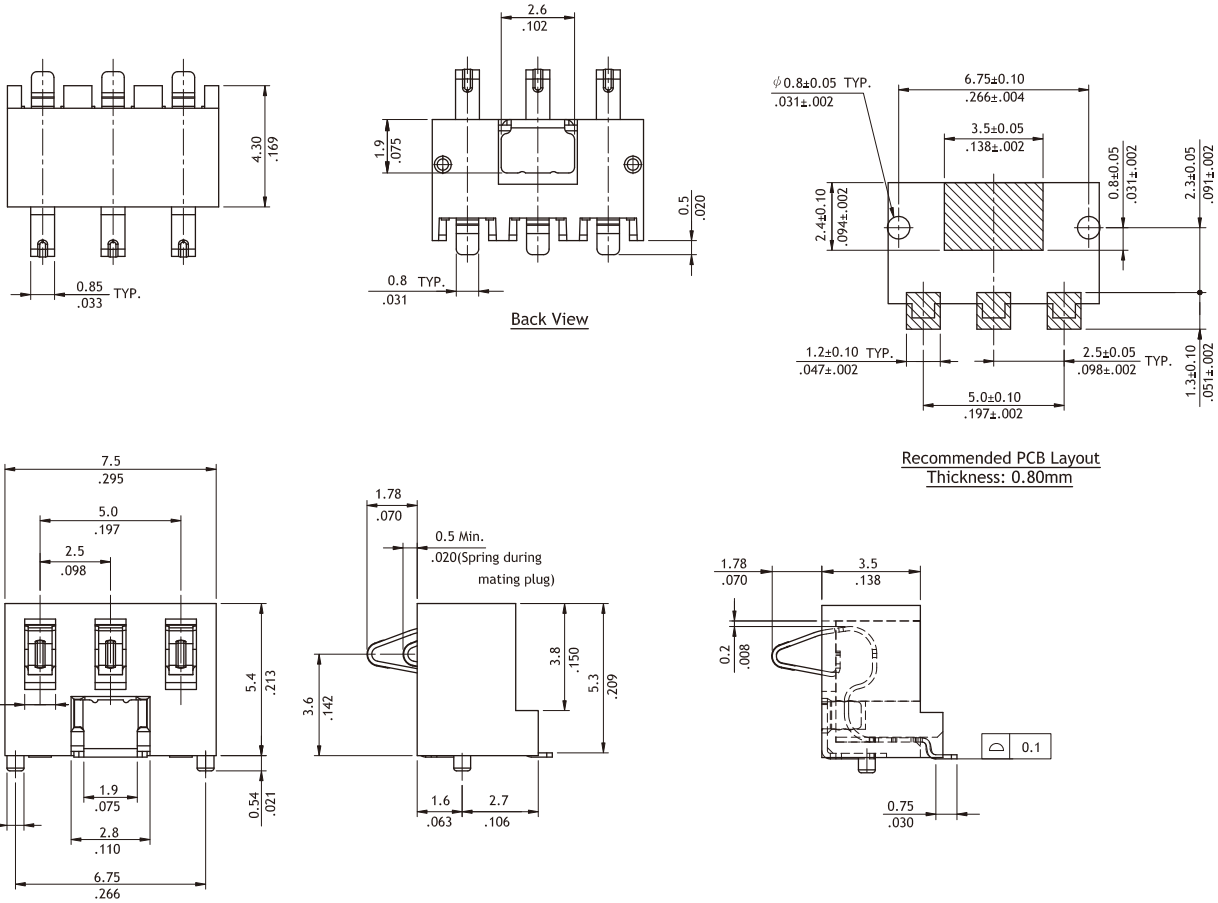
CP25 Series 2.50mm(.098") Receptacle Connectors

◎ Insulator:High Temperature plastic UL94V-0, Color Black

RoHS Compliant



NEW



Ordering Code

①	②	③	④	⑤	⑥	⑦
CP25	03	S	2	M	R	B

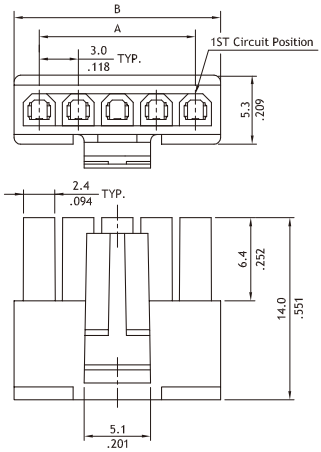
① Series No.
② No. of Circuits: 3
③ S = Receptacle
④ Plating: 2 = Gold Flash Plated over Nickel
⑤ Type: M = SMT Type
⑥ Packing option: R= Tape & Reel
⑦ Other Options: B: Height = 5.4mm

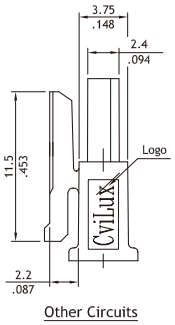
CP35 Series 3.00mm(.118") Single Row Housing Connectors

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

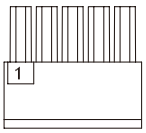
RoHS Compliant


P/N CP35**S001S

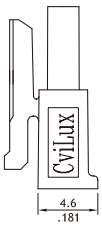




Other Circuits



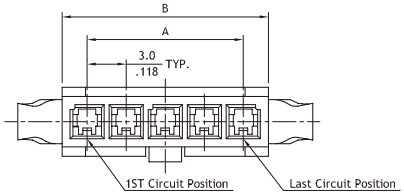
BACK VIEW

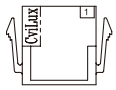


2 Circuits

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

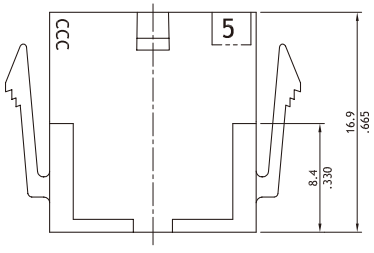


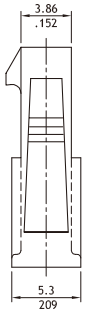


With Mounting Ears

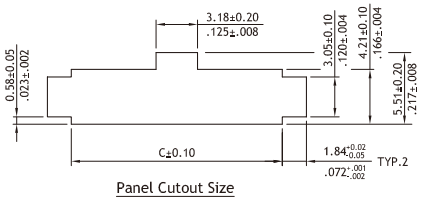
Without Mounting Ear

Back View





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

① CP35 ② 12 ③ S ④ 001 ⑤ S

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

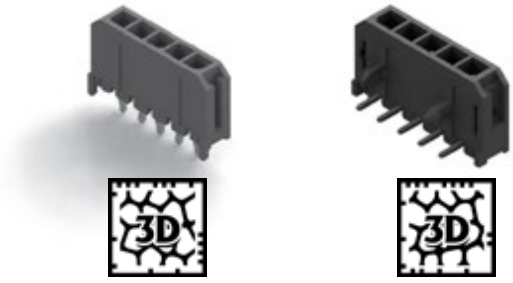
① CP35 ② 12 ③ P ④ 0 ⑤ 01 ⑥ S

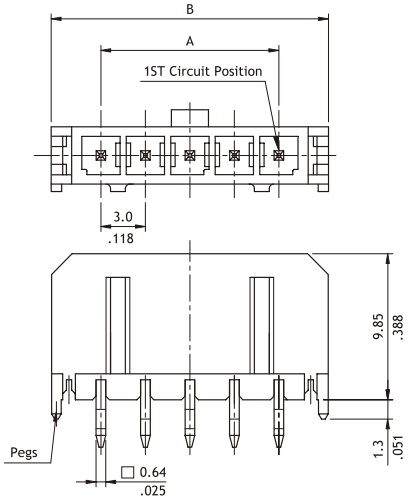
① Series No.
② No. of Circuits: 02 to 12
③ Type: P = Plug
④ Options:
0 = With mounting ears
R = Without mounting ears
⑤ Color: 01 = Color Black
⑥ Other Options:
S = Single Row Type
*Special options consult manufacturer

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

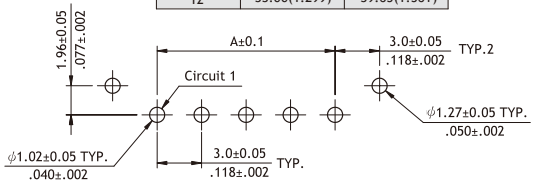
◎ Mates with CP35 Connector
◎ Shrouded header with PCB mounting pegs or board locks
◎ Available straight and right angle solder Tails

RoHS Compliant

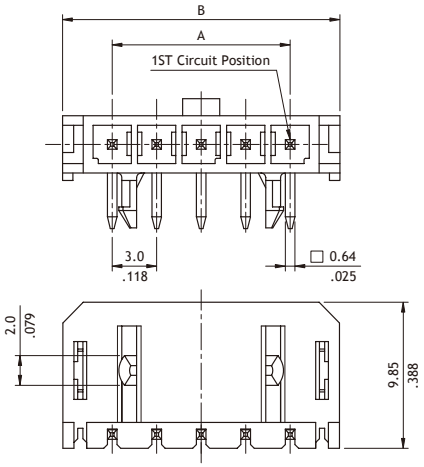


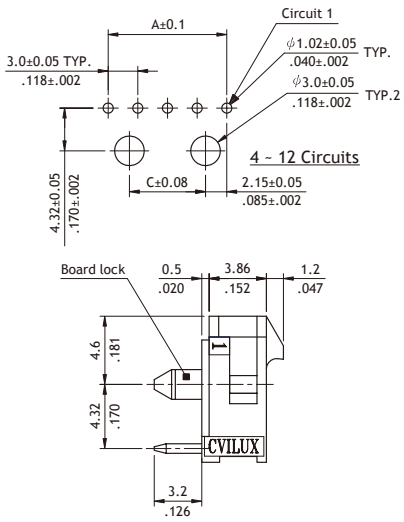


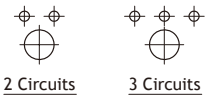
CIRCUITS	DIM.A	DIM.B
2	3.00(.118)	9.65(.380)
3	6.00(.236)	12.65(.498)
4	9.00(.354)	15.65(.616)
5	12.00(.472)	18.65(.734)
6	15.00(.591)	21.65(.852)
7	18.00(.709)	24.65(.970)
8	21.00(.827)	27.65(1.089)
9	24.00(.945)	30.65(1.207)
10	27.00(1.063)	33.65(1.325)
11	30.00(1.181)	36.65(1.443)
12	33.00(1.299)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



Recommended PCB 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

①	②	③	④	⑤	⑥	⑦		⑧		⑨
CP35	12	P	1	V	0	0	-	S	-	NH

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

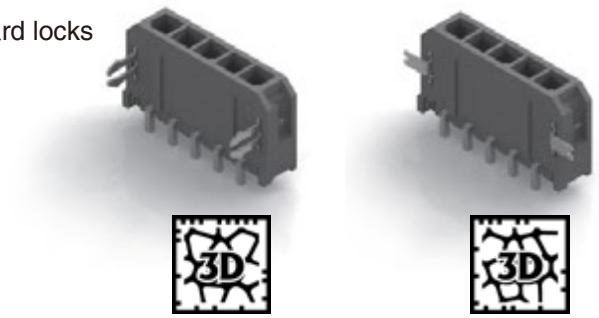
⑤ Contact Type:
V = Straight
H = Right Angle
⑥ Mount Type:
0 = DIP Type

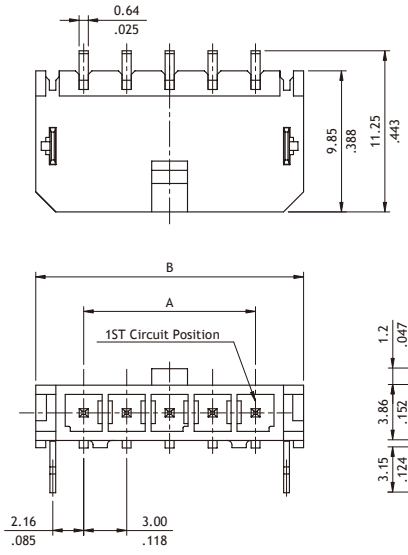
⑦ Other Options:
0 = With pegs (Straight)
0 = With plastic board lock (Right Angle)
⑧ S= Single Row Header
⑨ Process: -LF = For Lead Free soldering process
-NH = For Lead Free soldering process and Halogen-Free

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

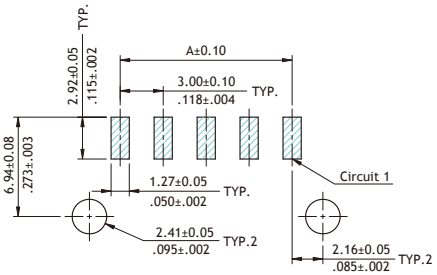
◎ Mates with CP35 Connector
◎ Shrouded header with PCB mounting pegs or board locks
◎ Available straight and right angle solder Tails

RoHS Compliant

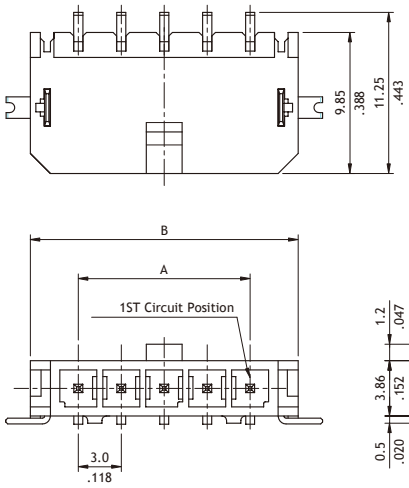




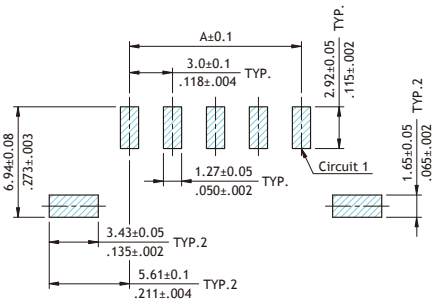
CIRCUITS	DIM.A	DIM.B
2	3.00(.118)	9.65(.380)
3	6.00(.236)	12.65(.498)
4	9.00(.354)	15.65(.616)
5	12.00(.472)	18.65(.734)
6	15.00(.591)	21.65(.852)
7	18.00(.709)	24.65(.970)
8	21.00(.827)	27.65(1.089)
9	24.00(.945)	30.65(1.207)
10	27.00(1.063)	33.65(1.325)
11	30.00(1.181)	36.65(1.443)
12	33.00(1.299)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



Recommended PCB 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 PCB Layout

Ordering Code

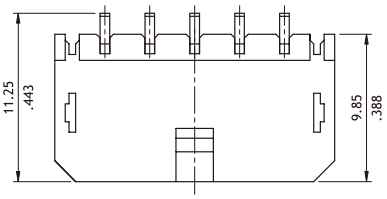
①	②	③	④	⑤	⑥	⑦		⑧		⑨
CP35	12	P	1	H	S	0	-	S	-	NH

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:
0 = With Metal board lock
T = With With Fixed Tabs
(Available for Tape & Reel)
⑧ S= Single Row Header
⑨ Process: -LF = For Lead Free soldering process
-NH = For Lead Free soldering process and Halogen-Free

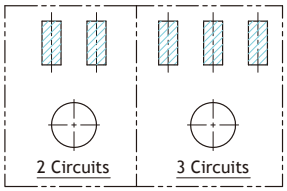
CP35 Series 3.00mm(.118") Single Row Side Entry SMT Headers

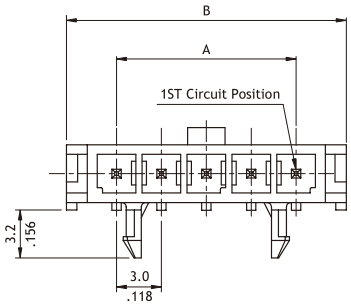
◎ Mates with CP35 Connector
◎ Shrouded header with board locks or fixed tabs.
◎ High temperature plastic for SMT process

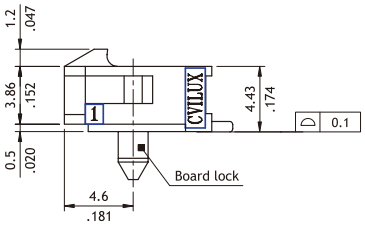
RoHS Compliant

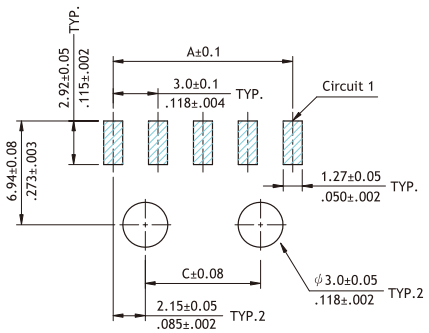


CIRCUITS	DIM.A	DIM.B	DIM.C
2	3.00(.118)	9.65(.380)	NA
3	6.00(.236)	12.65(.498)	NA
4	9.00(.354)	15.65(.616)	4.7(.185)
5	12.00(.472)	18.65(.734)	7.7(.303)
6	15.00(.591)	21.65(.852)	10.7(.421)
7	18.00(.709)	24.65(.970)	13.7(.539)
8	21.00(.827)	27.65(1.089)	16.7(.657)
9	24.00(.945)	30.65(1.207)	19.7(.776)
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 PCB Layout

Ordering Code

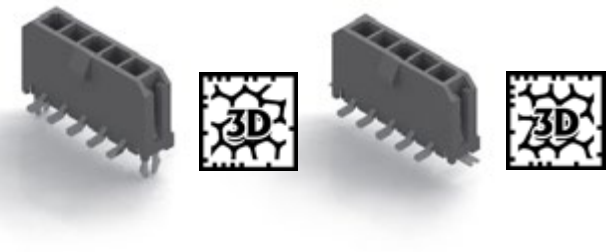
①	②	③	④	⑤	⑥	⑦		⑧		⑨
CP35	12	P	1	H	S	P	-	S	-	NH

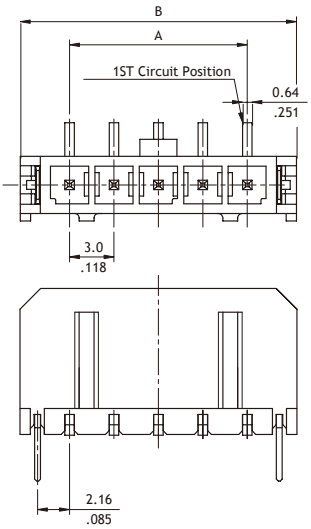
① Series No.
② No. of Circuits: 02 to 12
③ P = Plug
④ Plating: 1 = Matte Tin over Nickel
*Optional plating available but MOQ requested
⑤ Contact Type: H = Side Entry
⑥ Mount Type: S = SMT Type
⑦ Other Options:
P = With plastic board lock
⑧ S= Single Row Header
⑨ Process: -LF = For Lead Free soldering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

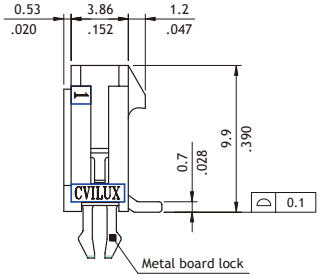
CP35 Series 3.00mm(.118") Single Row Top Entry SMT Headers

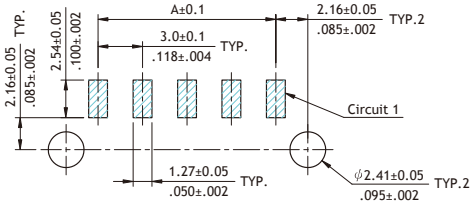
◎ Mates with CP35 Connector
◎ Shrouded header with board locks or fixed tabs.
◎ With metal pick and place Pad
◎ High temperature plastic for SMT process

RoHS Compliant



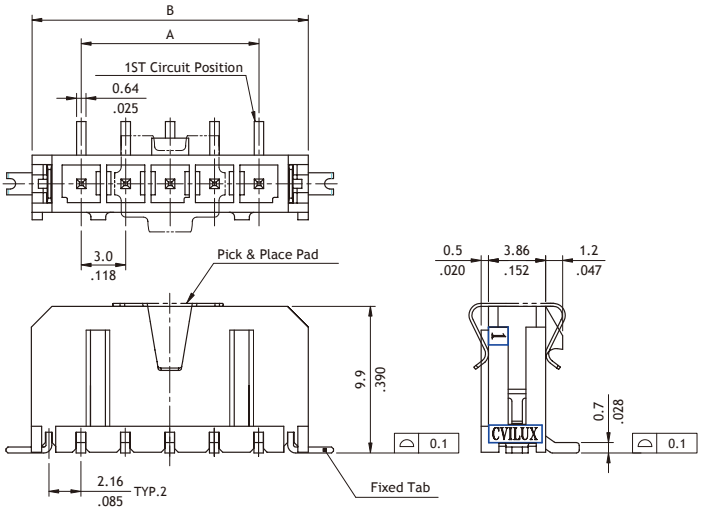


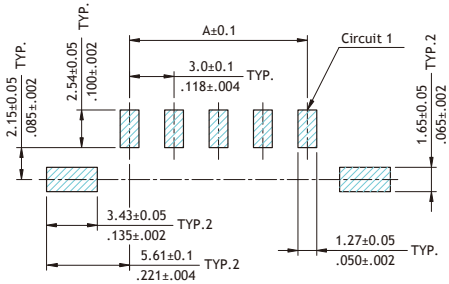




Recommended PCB Layout

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 PCB Layout

Ordering Code

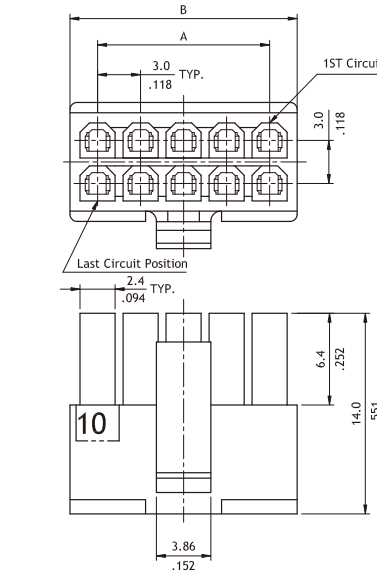
①	②	③	④	⑤	⑥	⑦		⑧		⑨
CP35	12	P	1	V	S	0	-	S	-	NH

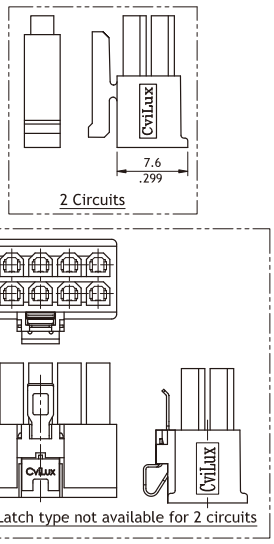
① Series No.
② No. of Circuits: 02 to 12
③ P = Plug
④ Plating: 1 = Matte Tin over Nickel
*Optional plating available but MOQ requested
⑤ Contact Type: V = Top Entry
⑥ Mount Type: S = SMT Type
⑦ Other Options:
0 = With Metal board locks (Standard)
T = With Fixed Tabs
(Available for Tape & Reel)
⑧ S= Single Row Header
⑨ Process: -LF = For Lead Free soldering process
-NH = For Lead Free soldering process and Halogen-Free

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

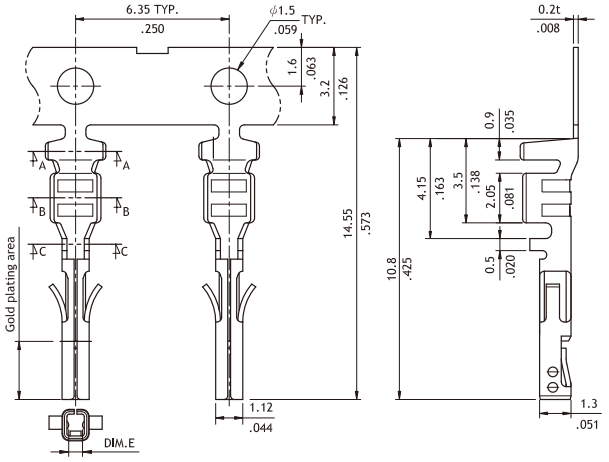
◎ With locking latch
◎ Available in 2 through 24 circuits
◎ Can be used CP35 Crimp Terminal
◎ Thermal Polyester UL 94V-0, Color Black
◎ Terminal accommodated AWG #20 ~ #30

RoHS Compliant

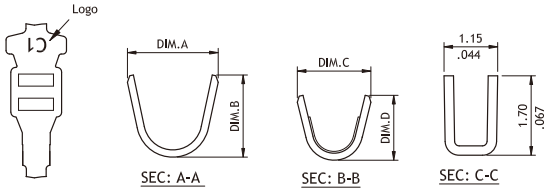




Circuits	Dimension	
	A	B
2	—	3.9(.154)
4	3.0(.118)	6.9(.272)
6	6.0(.236)	9.9(.390)
8	9.0(.354)	12.9(.508)
10	12.0(.472)	15.9(.626)
12	15.0(.591)	18.9(.744)
14	18.0(.709)	21.9(.862)
16	21.0(.827)	24.9(.980)
18	24.0(.945)	27.9(1.098)
20	27.0(1.063)	30.9(1.217)
22	30.0(1.181)	33.9(1.335)
24	33.0(1.299)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



P/N	Wire Gauge	Insulation Diameter	Reel Q'ty	DIM.A	DIM.B	DIM.C	DIM.D	DIM.E
CP35TN1*PES	AWG #26~#30	1.35 .053 MAX.	12,000 PCS	2.1 (.083)	1.9 (.075)	1.7 (.067)	1.5 (.059)	0.54 (.021)
CP35TN2*PES	AWG #20~#24	1.80 .071 MAX.	12,000 PCS	2.5 (.098)	2.4 (.094)	2.1 (.083)	2.0 (.079)	
CP35TN1*PES-B	AWG #26~#30	1.35 .053 MAX.	12,000 PCS	2.1 (.083)	1.9 (.075)	1.7 (.067)	1.5 (.059)	0.55 (.022)
CP35TN2*PES-B	AWG #20~#24	1.80 .071 MAX.	12,000 PCS	2.5 (.098)	2.4 (.094)	2.1 (.083)	2.0 (.079)	



Ordering Code

① ② ③ ④ ⑤ ⑥

CP35 | 24 | S | 00 | 1 | 0

① Series No.
② No. of Circuits: 02 to 24
③ S = Receptacle
④ Type: 00 = Standard,
ML = Metal Latch Type
⑤ Color: 1 = Color Black
⑥ Other Options: 0 = Standard
*Special options consult manufacturer

① ② ③ ④ ⑤

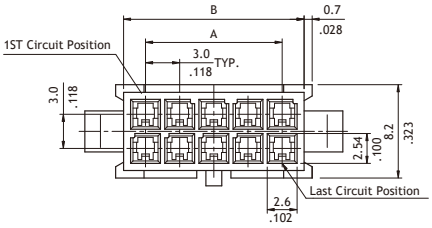
CP 35 | TN2 | 1 | P | ES

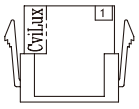
① Series No.
② Wire Range:
TN1 = AWG #26 ~ #30
TN2 = AWG #20 ~ #24
③ Plating: 1 = Tin over Nickel
A = Selective Gold flash over Nickel
*Optional plating available but MOQ requested
④ Material:
P = Phosphor Bronze
⑤ Style: ES = Receptacle Terminal
ES-B = Low Insertion Force Type

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

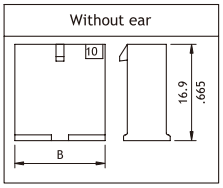
◎ With mounting ears
◎ Available in 2 through 24 circuits
◎ Can be used CP35 Crimp terminal
◎ Thermal Polyester UL 94V-0, Color Black Terminal
◎ Accommodated AWG #20 ~ #30

RoHS Compliant

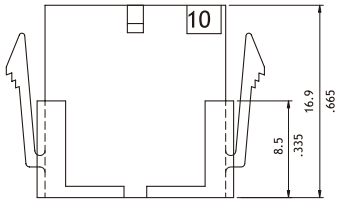



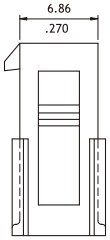


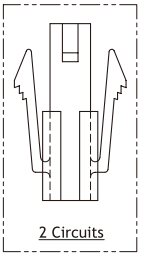
Back View

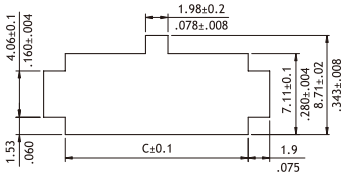


Circuits	Dimension		
	A	B	C
2	—	3.9(.154)	4.09(.161)
4	3.0(.118)	6.9(.272)	7.09(.279)
6	6.0(.236)	9.9(.390)	10.08(.397)
8	9.0(.354)	12.9(.508)	13.08(.515)
10	12.0(.472)	15.9(.626)	16.06(.633)
12	15.0(.591)	18.9(.744)	19.08(.751)
14	18.0(.709)	21.9(.862)	22.07(.869)
16	21.0(.827)	24.9(.980)	25.07(.967)
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)

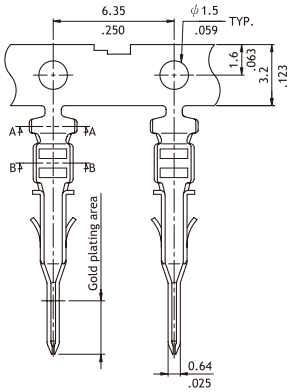


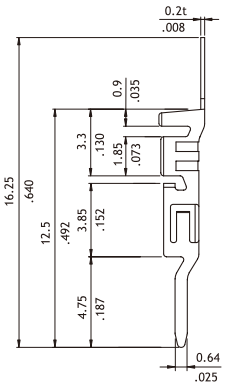




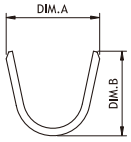


Panel Cutout Size

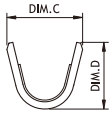




P/N	Wire Gauge	Insulation Diameter	Reel Q'ty	DIM.A	DIM.B	DIM.C	DIM.D
CP35TN1*PEP	AWG #26~#30	1.35 .053 MAX.	12,000 PCS	2.1 (.083)	1.9 (.075)	1.7 (.067)	1.5 (.059)
CP35TN2*PEP	AWG #20~#24	1.80 .071 MAX.	12,000 PCS	2.5 (.098)	2.4 (.094)	2.1 (.083)	2.0 (.079)



SEC: A-A



SEC: B-B

Ordering Code

① ② ③ ④ ⑤
CP35 24 P 001 0

① Series No.
② No. of Circuits: 02 to 24
③ P = Plug
④ Color: 001 = Color Black
⑤ Other Options:
0 = Standard ; B = Without Ear
*Special options consult manufacturer

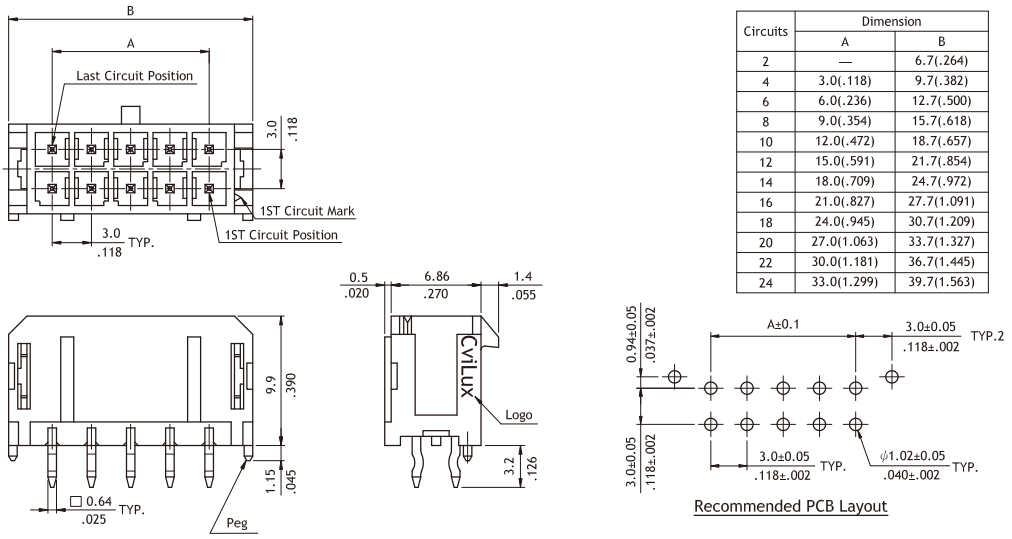
① ② ③ ④ ⑤
CP35 TN2 1 P EP

① Series No.
② Wire Range:
TN1 = AWG #26 ~ #30
TN2 = AWG #20 ~ #24
③ Plating:
1 = Tin over Nickel
A = Selective Gold flash over Nickel
*Optional plating available but MOQ requested
④ Material:
P = Phosphor Bronze
⑤ Style: EP = Plug Terminal

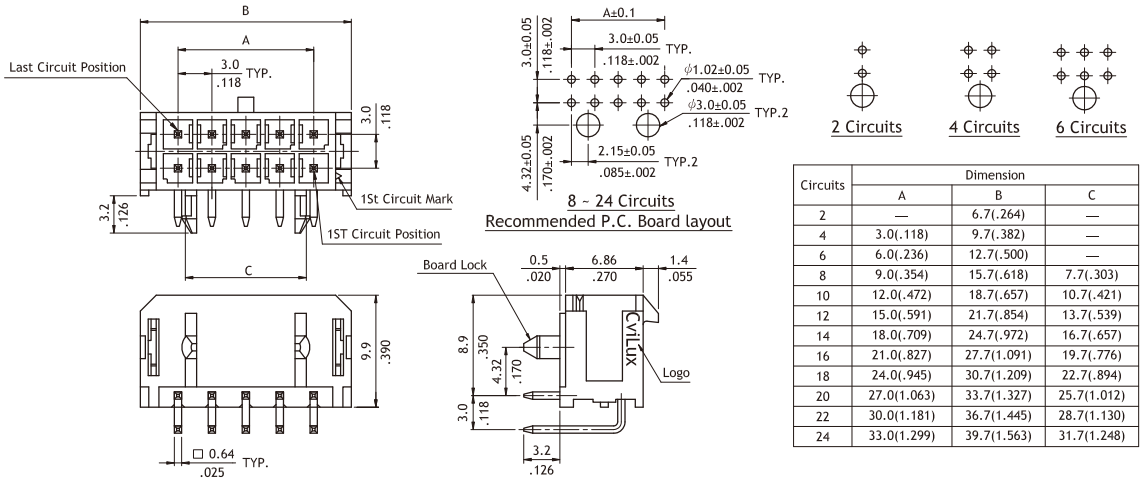
CP35 Series 3.00mm(.118") Dual Row Board Mount Headers

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

RoHS Compliant



Circuits	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

①	②	③	④	⑤	⑥	⑦		⑧
CP35	24	P	1	V	0	0	-	NH

① Series No.
② No. of Circuits: 02 to 24
③ P = Plug
④ Plating:
1 = Matte Tin over Nickel
*Optional plating available but MOQ requested

⑤ Contact Type:
V = Straight
H = Right Angle
⑥ Mount Type:
0 = DIP Type

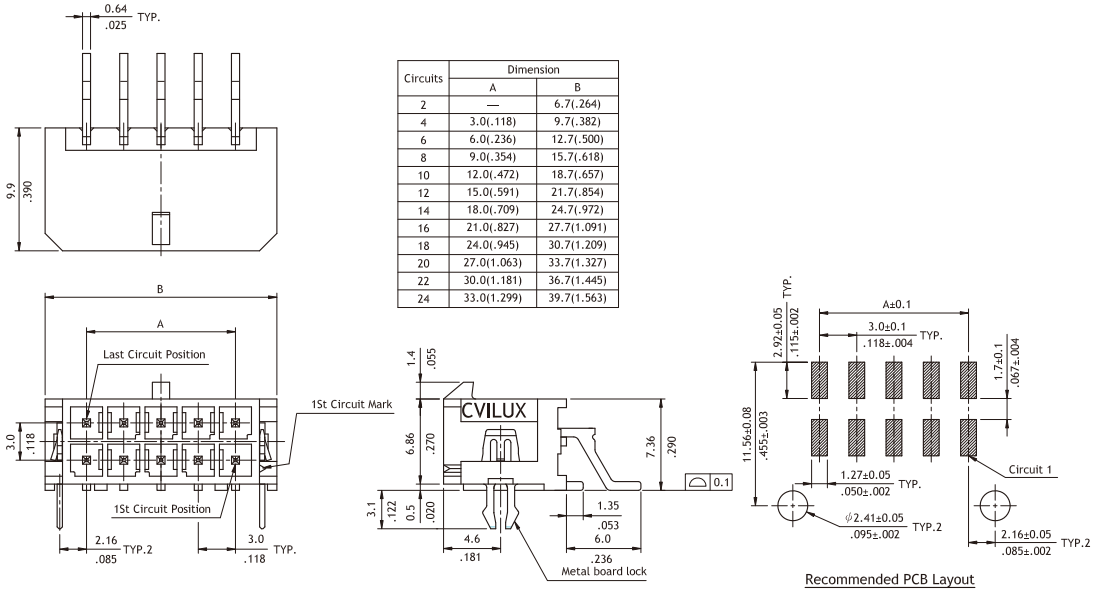
⑦ Other Options:
0 = With pegs (Straight)
0 = With plastic board locks (Right Angle)
⑧ Process: -LF = For Lead Free soldering process
-NH = For Lead Free soldering process and Halogen-Free

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

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

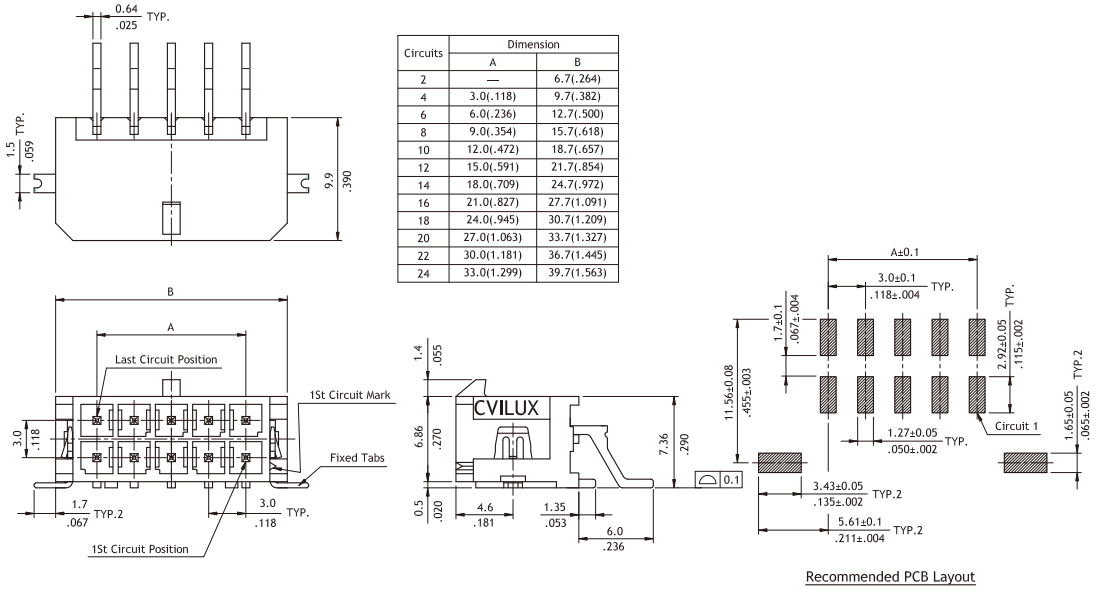
RoHS Compliant



Circuits	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 PCB 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 PCB Layout

Ordering Code

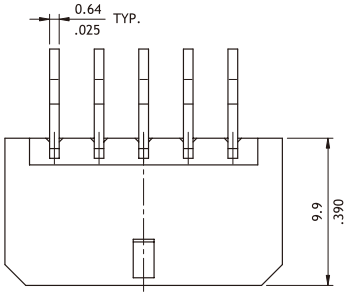
①	②	③	④	⑤	⑥	⑦		⑧
CP35	24	P	1	H	S	0	-	NH

① Series No.
② No. of Circuits: 02 to 24
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:
0 = With Metal board locks (Standard)
T = With Fixed Tabs
⑧ Process: -LF = For Lead Free soldering process
-NH = For Lead Free soldering process and Halogen-Free

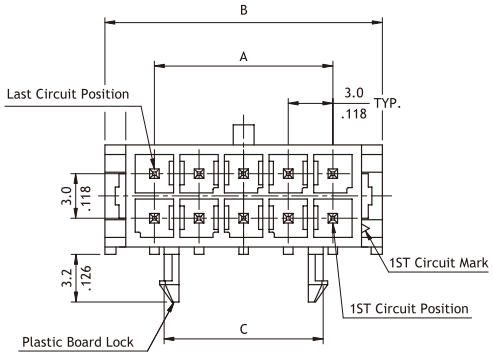
CP35 Series 3.00mm(.118") Dual Row Side Entry SMT Headers

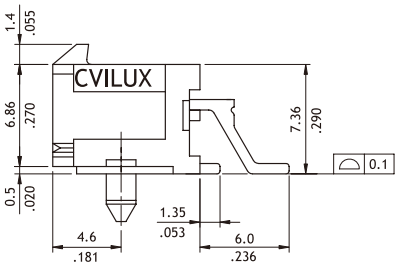
◎ Mate with CP35 Connector
◎ Shrouded header with board locks or fixed tabs
◎ High temperature plastic for SMT process

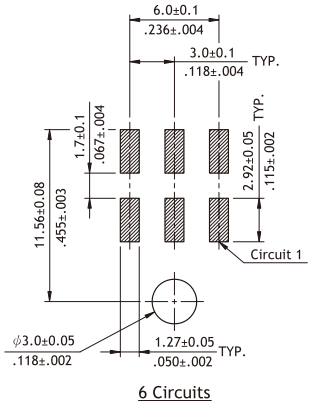
RoHS Compliant



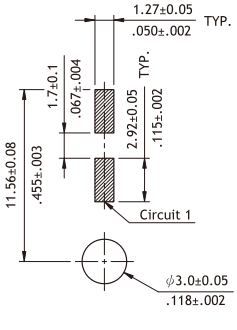
Circuits	Dimension		
	A	B	C
2	—	6.7(.264)	—
4	3.0(.118)	9.7(.382)	—
6	6.0(.236)	12.7(.500)	—
8	9.0(.354)	15.7(.618)	7.7(.303)
10	12.0(.472)	18.7(.657)	10.7(.421)
12	15.0(.591)	21.7(.854)	13.7(.539)
14	18.0(.709)	24.7(.972)	16.7(.657)
16	21.0(.827)	27.7(1.091)	19.7(.776)
18	24.0(.945)	30.7(1.209)	22.7(.894)
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)



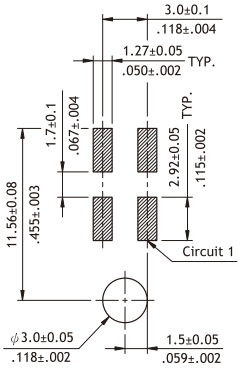




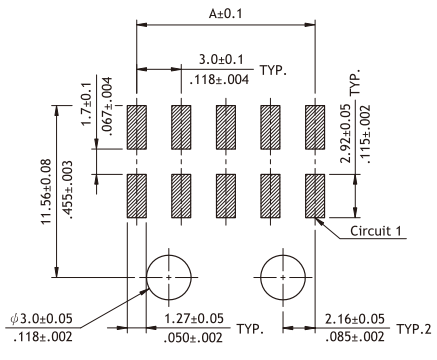
6 Circuits



2 Circuits



4 Circuits



8 ~ 24 Circuits

Recommended PCB Layout

Ordering Code

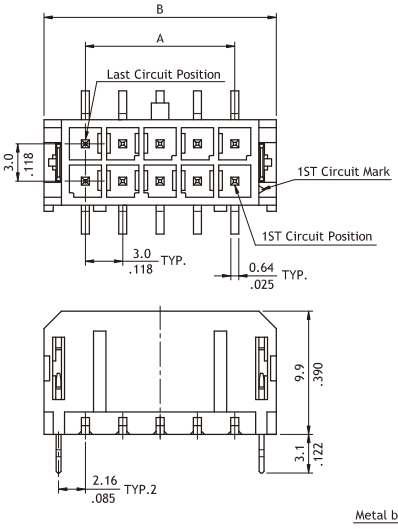
①	②	③	④	⑤	⑥	⑦		⑧
CP35	24	P	1	H	S	P	-	NH

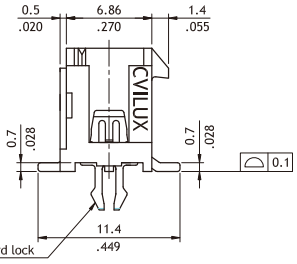
① Series No.
② No. of Circuits: 02 to 24
③ P = Plug
④ Plating: 1 = Matte Tin over Nickel
*Optional plating available but MOQ requested
⑤ Contact Type:
H = Side Entry
⑥ Mount Type:
S = SMT Type
⑦ Other Options:
P = With plastic board lock
⑧ Process: -LF = For Lead Free soldering process
-NH = For Lead Free soldering process and Halogen-Free

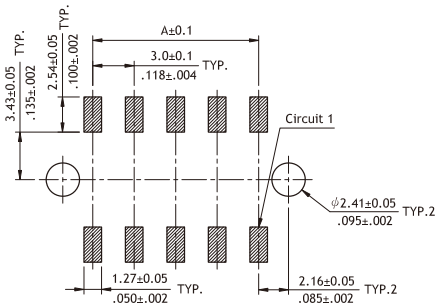
CP35 Series 3.00mm(.118") Dual Row Top Entry SMT Headers

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

RoHS Compliant

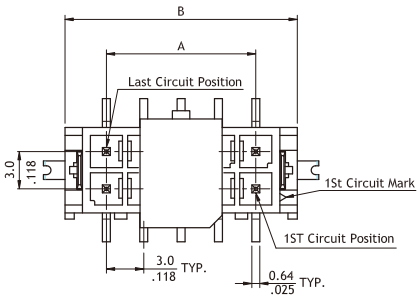


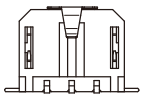




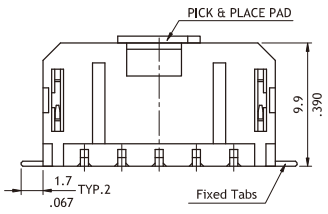
Recommended PCB Layout

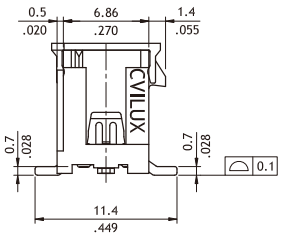
Circuits	Dimension	
	A	B
2	—	6.7(.264)
4	3.0(.118)	9.7(.382)
6	6.0(.236)	12.7(.500)
8	9.0(.354)	15.7(.618)
10	12.0(.472)	18.7(.657)
12	15.0(.591)	21.7(.854)
14	18.0(.709)	24.7(.972)
16	21.0(.827)	27.7(1.091)
18	24.0(.945)	30.7(1.209)
20	27.0(1.063)	33.7(1.327)
22	30.0(1.181)	36.7(1.445)
24	33.0(1.299)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

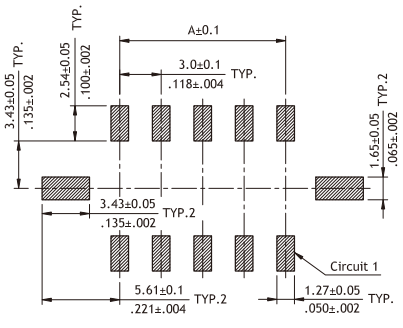




For 2,4,6 Circuits







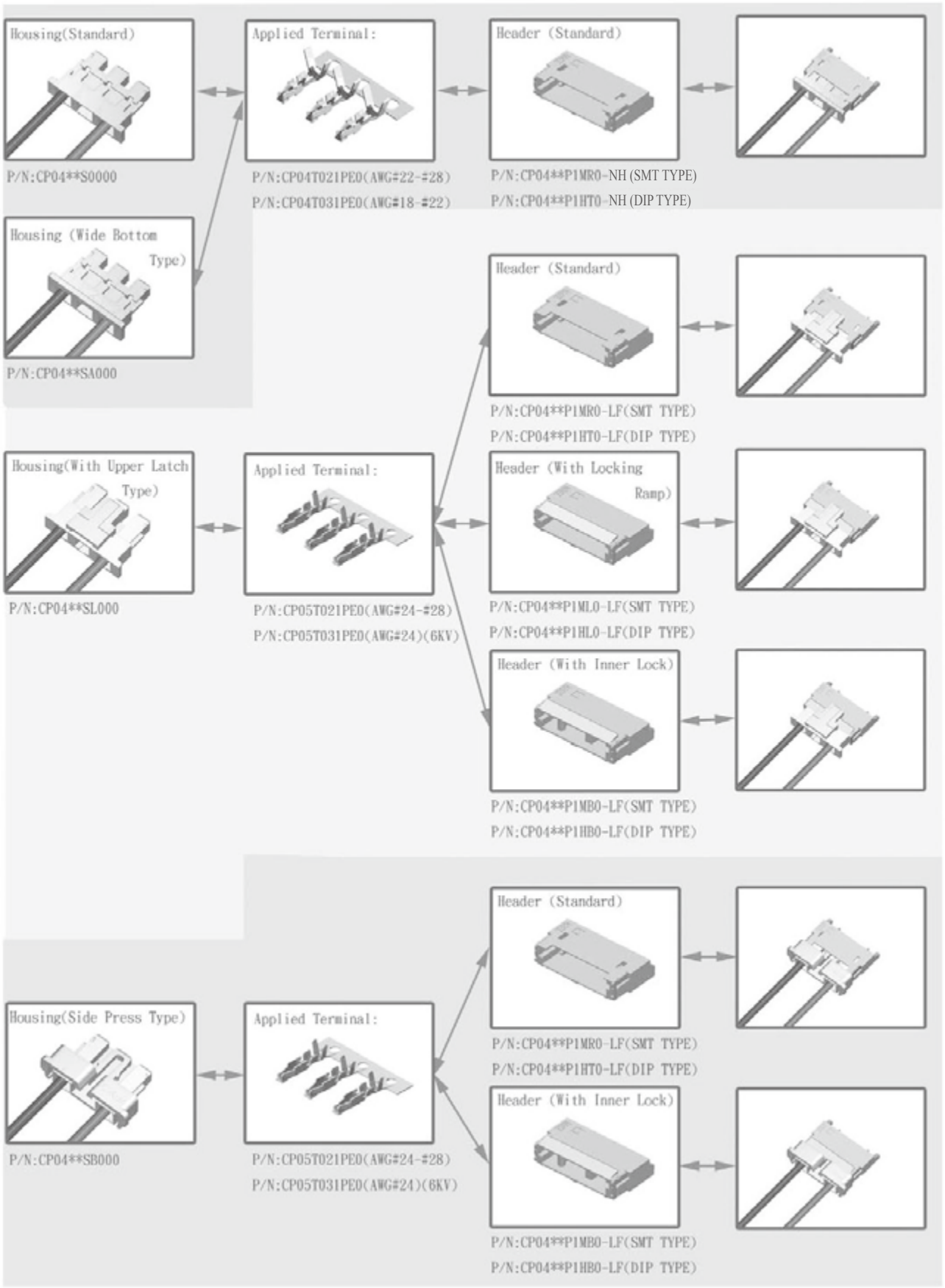
Recommended PCB Layout

Ordering Code

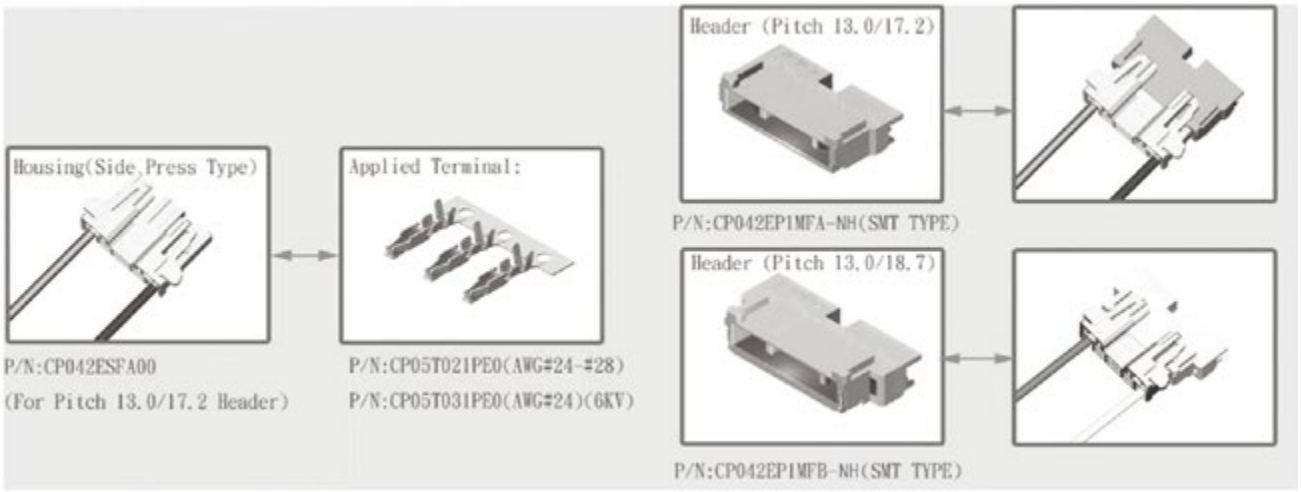
①	②	③	④	⑤	⑥	⑦		⑧
CP35	24	P	1	V	S	0	-	NH

① Series No.
② No. of Circuits: 02 to 24
③ P = Plug
④ Plating: 1 = Matte Tin over Nickel
*Optional plating available but MOQ requested
⑤ Contact Type: V = Top Entry
⑥ Mount Type: S = SMT Type
⑦ Other Options:
0 = With Metal board lock (Standard)
T = With Fixed Tabs
(Available for Tape & Reel packing)
⑧ Process: -LF = For Lead Free soldering process
NH = For Lead Free soldering process and Halogen-Free

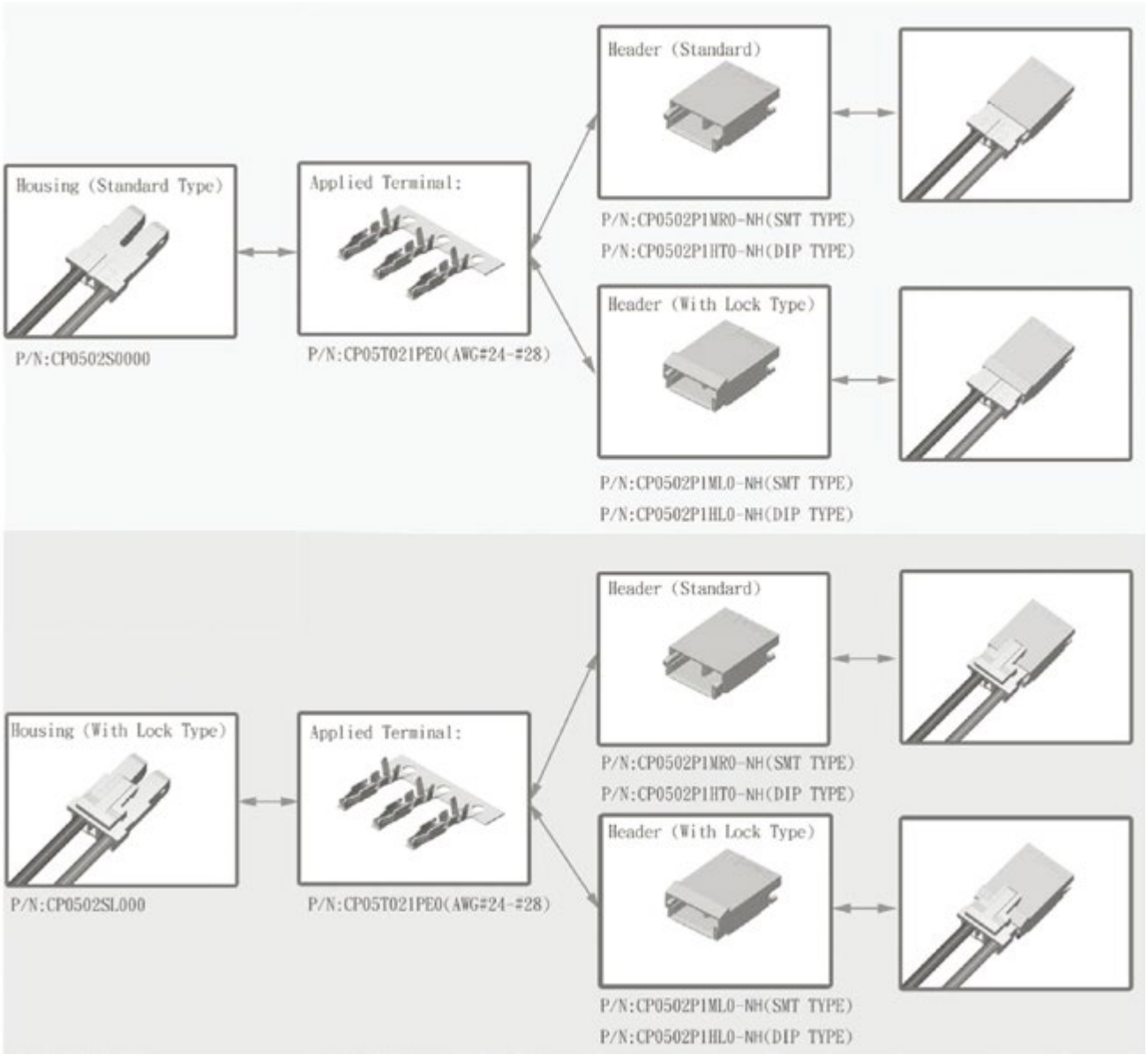
CP04 Mating Options



CP04 Mating Options



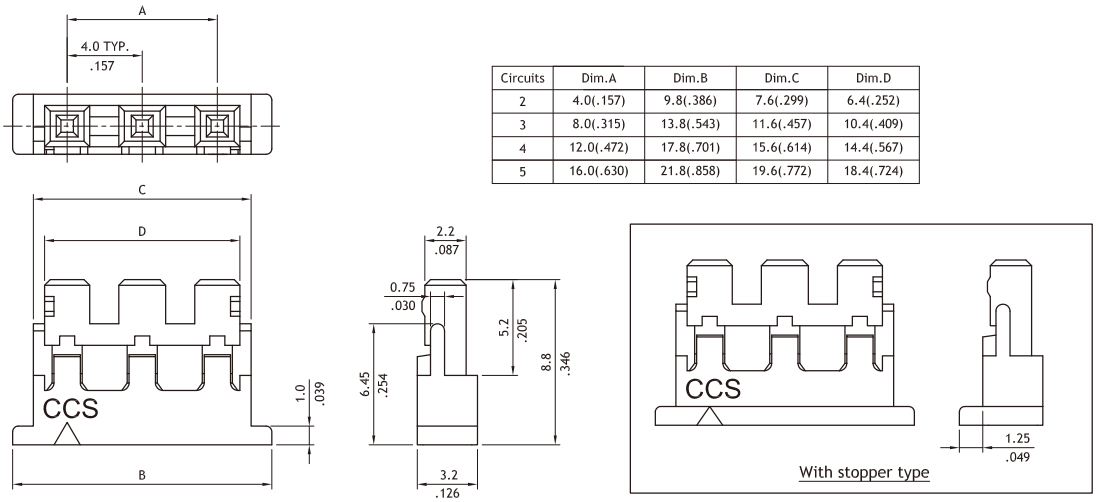
CP05 Mating Options



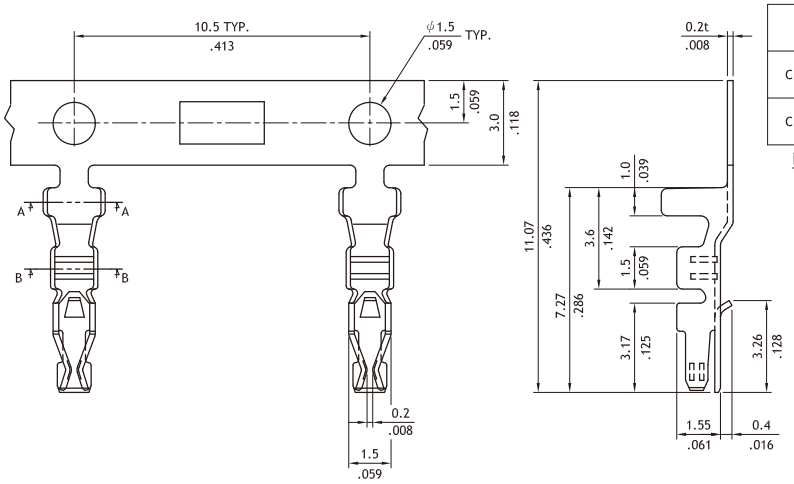
CP04 Series 4.00mm(.157") High Voltage Wire to Board Connectors

◎ 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

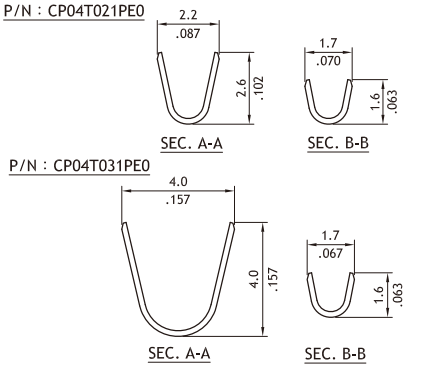
RoHS Compliant



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)



Part No.	Wire Range	Insulation Diameter	Reel Q'ty
CP04T021PE0	AWG #24~#28	1.60 (.063) MAX.	4,000 PCS.
CP04T031PE0	AWG #24 (6KV)	2.10 (.083) MAX.	4,000 PCS.



Ordering Code

① ② ③ ④ ⑤
CP04 05 S 0 000

① Series No.
② No. of Circuits: 02, 03, 04, 05
③ S = Housing
④ 0 = Without stopper
A = With stopper
⑤ Other Options: 000 = Standard

① ② ③ ④ ⑤
CP04 T02 1 P E0

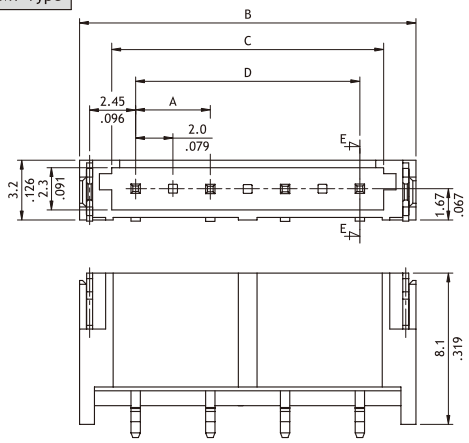
① Series No.
② Wire Range: T02 = AWG #22 ~ #28
T03 = AWG #18 ~ #22
③ Plating: 1 = Tin over Nickel
④ Material: P = Phosphor Bronze
⑤ Options: E0 = Standard

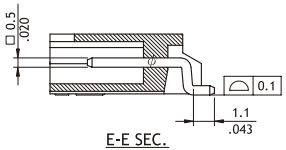
CP04 Series 4.00mm(.157") High Voltage Wire to Board Connectors

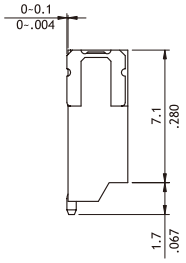
◎ Current Rating: 1.0A AC/DC (AWG #22)
◎ Voltage Raiting: 2000V AC/DC (12.0mm pitch)
◎ Shrouded headers with Fixed Tabs
◎ Low profile with polarizing device
◎ Insulator: High temperature plastic UL 94V-0, Color Nature
◎ Terminal: Tin plated Brass

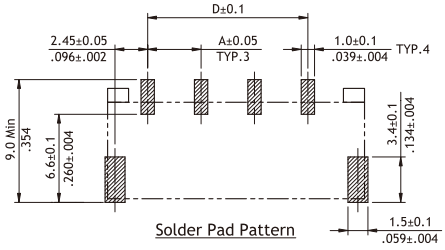
RoHS Compliant

SMT Type



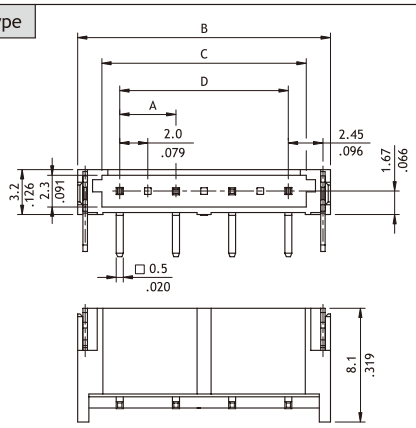


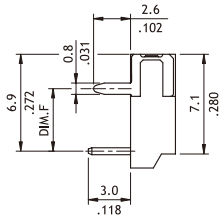


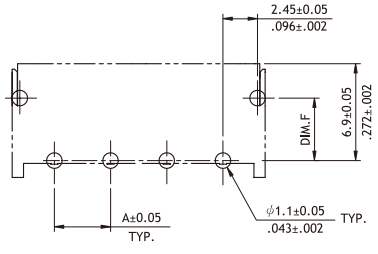


Circuits	Dimension			
	A (Pitch)	B	C	D
2A	4.0(.157)	10.0(.394)	6.5(.256)	4.0(.157)
2B	8.0(.315)	14.0(.551)	10.5(.413)	8.0(.315)
2C	12.0(.472)	18.0(.709)	14.5(.571)	12.0(.472)
2D	16.0(.630)	22.0(.866)	18.5(.728)	16.0(.630)
3A	4.0(.157)	14.0(.551)	10.5(.413)	8.0(.315)
3B	8.0(.315)	22.0(.866)	18.5(.728)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







Ordering Code

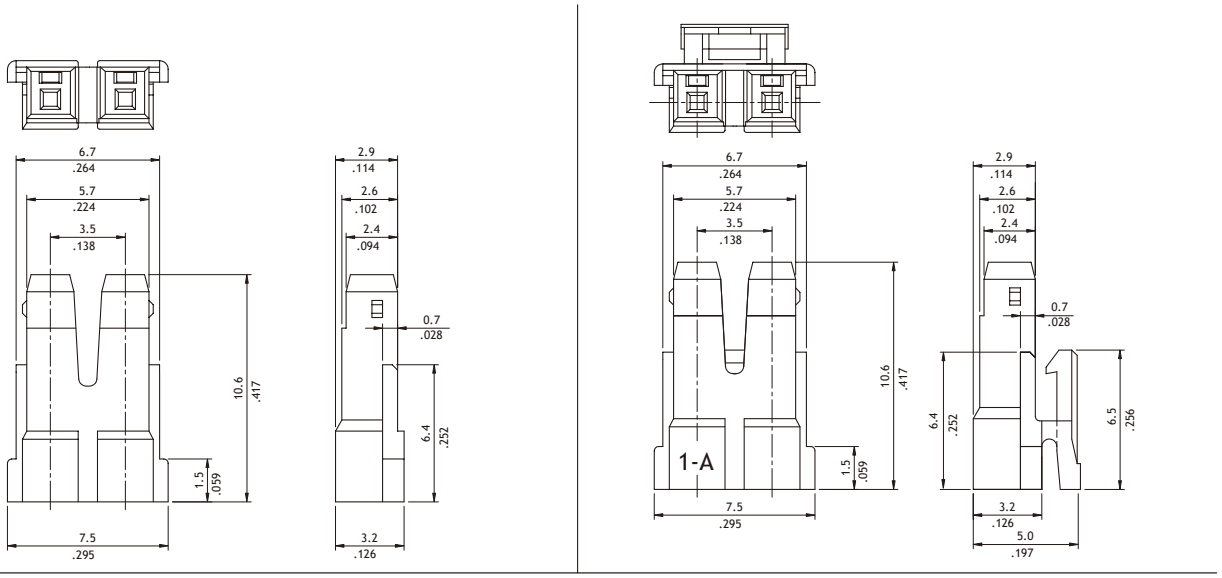
①	②	③	④	⑤	⑥	⑦	⑧		⑨
CP04	2	A	P	1	H	T	0	-	NH

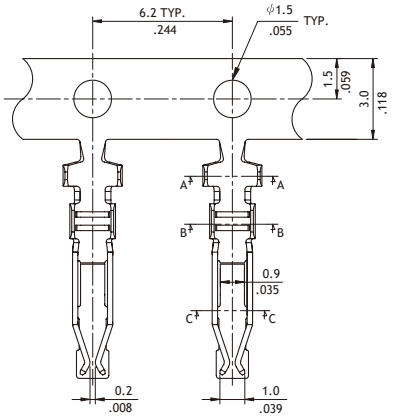
① Series No.
② No. of Circuits: 02 to 05
③ Circuits pitch:
A = 4.0mm; B = 8.0mm
C = 12.0mm; D = 16.0mm
④ P = Header
⑤ Plating:
1 = Matte Tin over Nickel
⑥ Contact Type:
M = SMT Type
H = Right Angle DIP Type
⑦ Packing Options:
T = Tube
R = Tape & Reel (SMT Type)
⑧ Other Options:
SMT: 0 = Standard
DIP: 0 = With metal pegs, DIM F = 4.45mm
1 = With metal pegs, DIM F = 5.75mm
2 = Without metal peg
⑨ Process: -LF = For Lead Free soldering process
-NH = For Lead Free soldering process andHalogen-Free

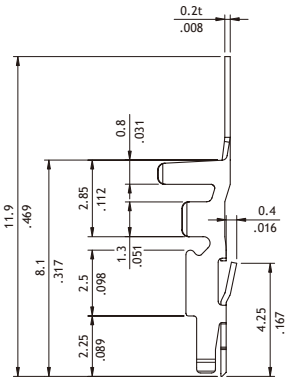
CP05 Series 3.50mm (.138") High Voltage Receptacle Connectors

◎ 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

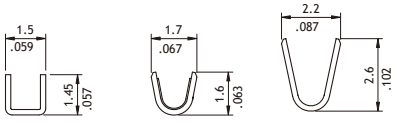
RoHS Compliant HF







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



Ordering Code

① CP05 ② 02 ③ S ④ 0 ⑤ 000

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

① CP05 ② T02 ③ 1 ④ P ⑤ E0

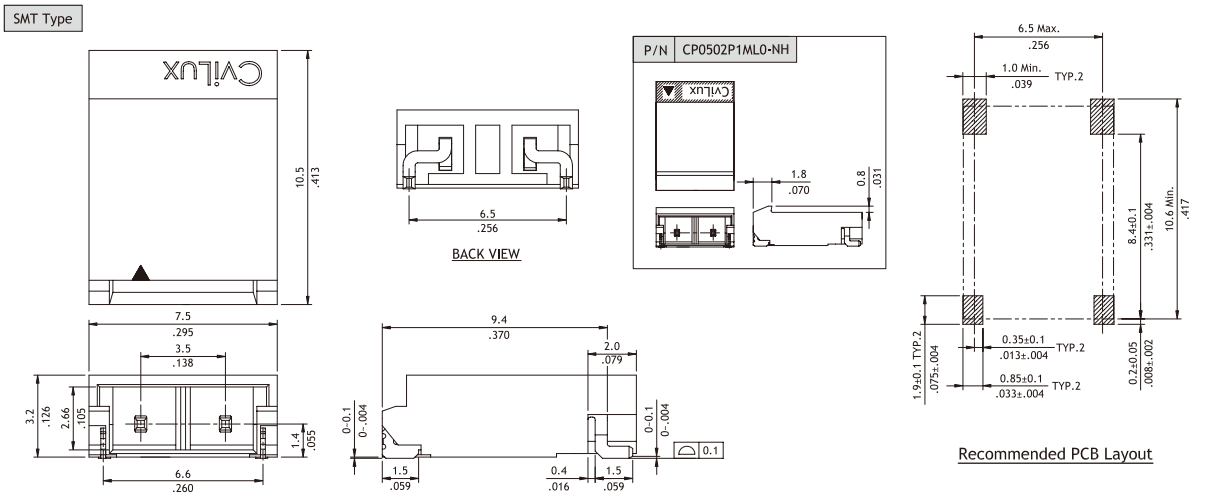
① Series No.
② Wire Range: T02 = AWG #24 ~ #28
③ Plating: 1 = Tin over Nickel
④ Material: P = Phosphor Bronze
⑤ Options: E0 = Standard

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

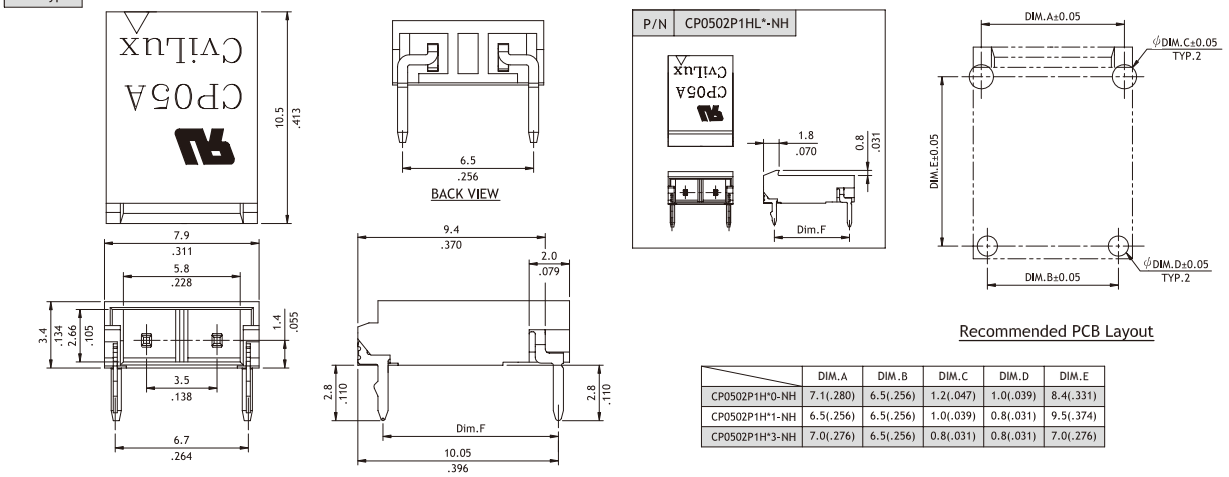
◎ Shrouded headers with Fixed Tabs
◎ Low profile with polarizing device
◎ Insulator: High temperature plastic UL 94V-0, Color Nature
◎ Terminal: Tin plated Brass

RoHS Compliant

SMT Type



DIP Type



	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

①	②	③	④	⑤	⑥	⑦		⑧
CP05	02	P	1	M	R	0	-	NH

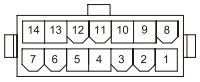
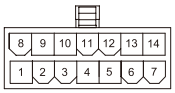
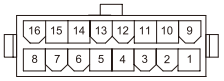
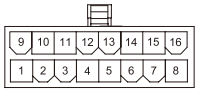
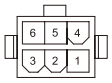
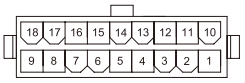
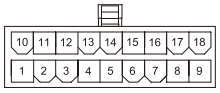
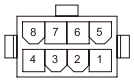
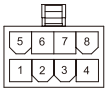
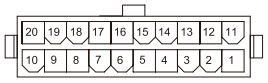
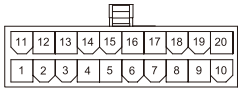
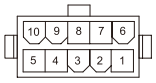
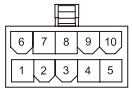
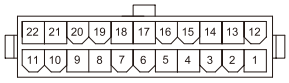
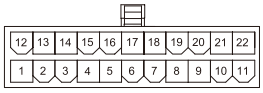
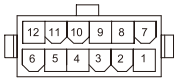
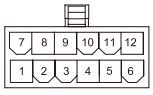
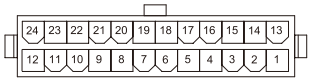
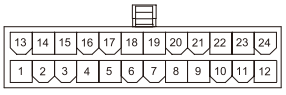
① Series No.
② No. of Circuits: 02
③ P = Header
④ Plating: 1 = Tin over Nickel
⑤ Contact Type: M = SMT Type
H = Right Angle DIP Type
⑥ Packing: R = Tape & Reel (SMT Type)
L = Latch Type; T = Tube
⑦ Other Options:
SMT: 0 = Standard
DIP: 0 = With metal pegs, DIM.F = 8.80mm
1 = With metal pegs, DIM.F = 9.80mm
2 = Without metal peg
⑧ Process: -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

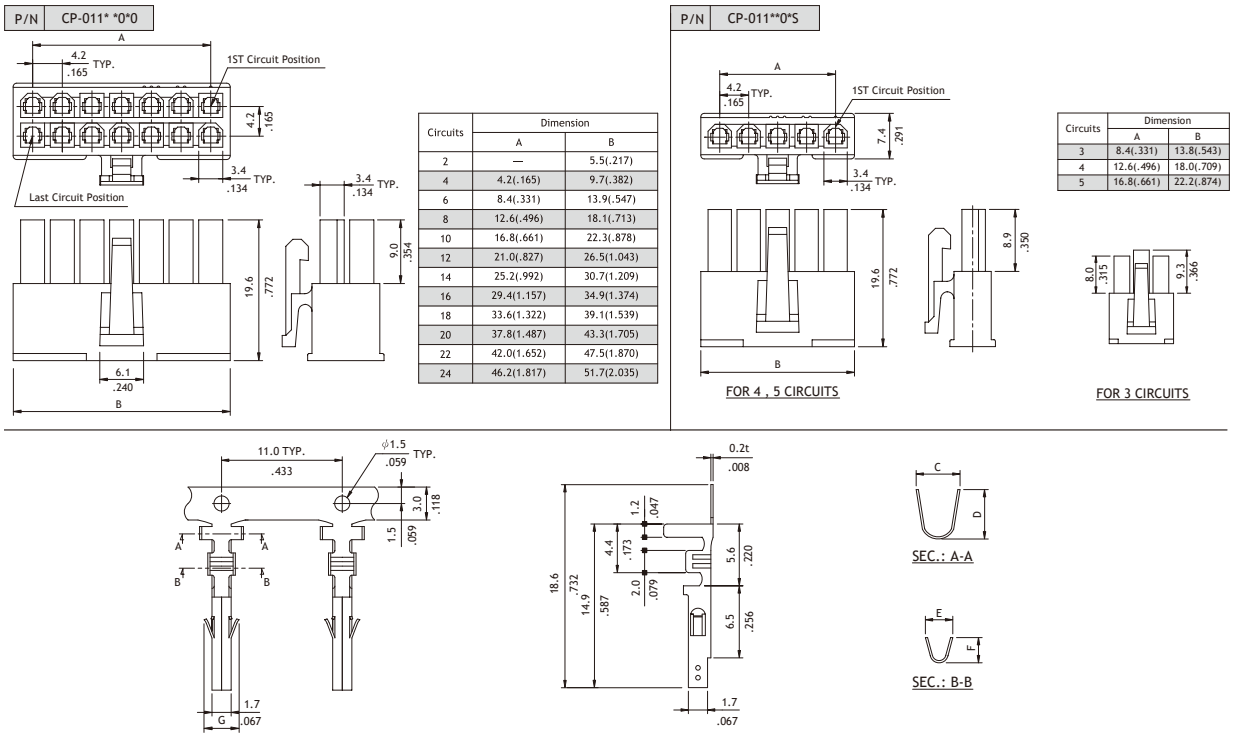
Plug	Receptacle	Plug	Receptacle
2 CIRCUITS 	2 CIRCUITS 	14 CIRCUITS 	14 CIRCUITS 
4 CIRCUITS 	4 CIRCUITS 	16 CIRCUITS 	16 CIRCUITS 
6 CIRCUITS 	6 CIRCUITS 	18 CIRCUITS 	18 CIRCUITS 
8 CIRCUITS 	8 CIRCUITS 	20 CIRCUITS 	20 CIRCUITS 
10 CIRCUITS 	10 CIRCUITS 	22 CIRCUITS 	22 CIRCUITS 
12 CIRCUITS 	12 CIRCUITS 	24 CIRCUITS 	24 CIRCUITS 

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 connector
◎ 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





Circuits	Dimension A	Dimension 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)

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)

Part No.	Wire Range	Dimension C	D	E	F	G	Insulation Range	Material	Reel Q'ty
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

①	②	③	④	⑤	⑥
CP-01	1	24	0	1	0

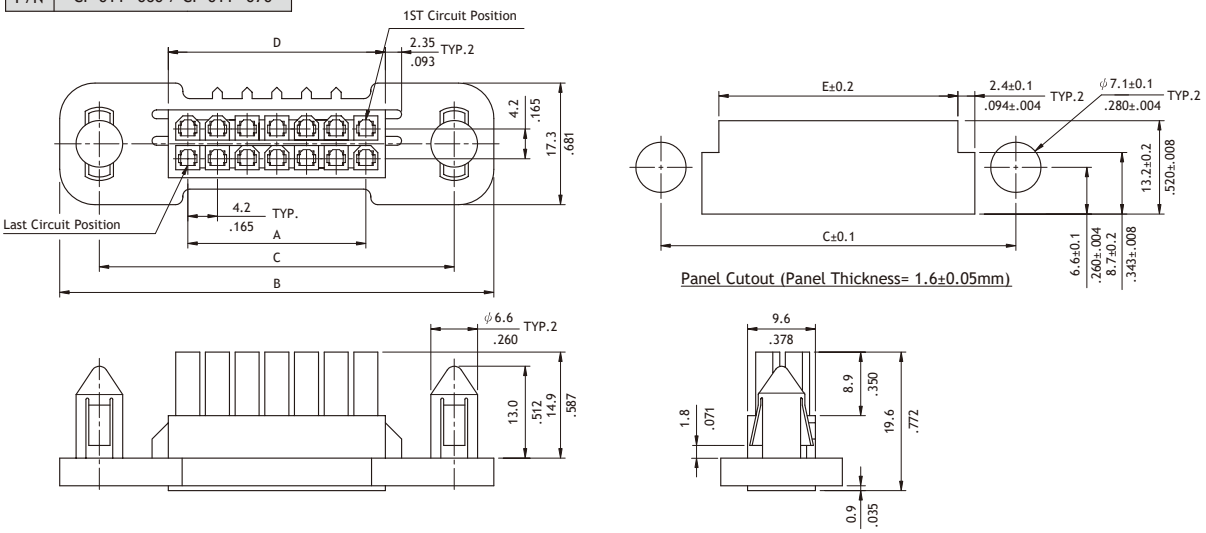
① Series No.
② Connector Type:1 = Receptacle
③ No. of Circuits:
02 to 24 (Dual Row)
03 to 05 (Single Row)
④ Plating: 0 = Non plating
⑤ Variation:
1 = UL 94V-2 ; 6 = UL 94V-2, BMI Type
3 = UL 94V-0 ; 7 = UL 94V-0, BMI Type
E = Glow wire test approval
⑥ Other Options: 0 = Standard
S = Single Row
*Special options consult manufacturer

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

◎ Mates with CP-012, 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

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

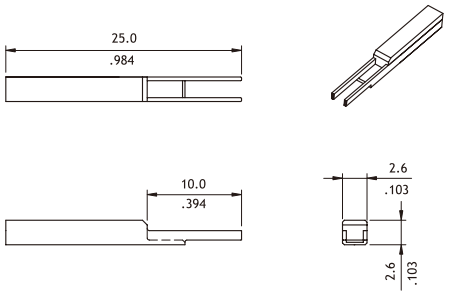


Circuits	Dimension				
	A	B	C	D	E
4	4.2(.165)	40.4(1.591)	29.2(1.150)	9.7(.382)	12.8(.504)
6	8.4(.331)	44.6(1.756)	33.4(1.315)	13.9(.547)	17.0(.669)
10	16.8(.661)	53.0(2.087)	41.8(1.646)	22.3(.878)	25.4(1.000)
14	25.2(.992)	61.4(2.417)	50.2(1.976)	30.7(1.209)	33.8(1.331)
18	33.6(1.323)	69.8(2.748)	58.6(2.307)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

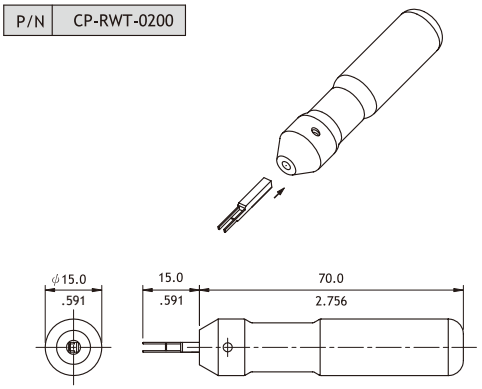
CP-01 Series Etractor Hand Tool

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

P/N	CP-RWT-0201



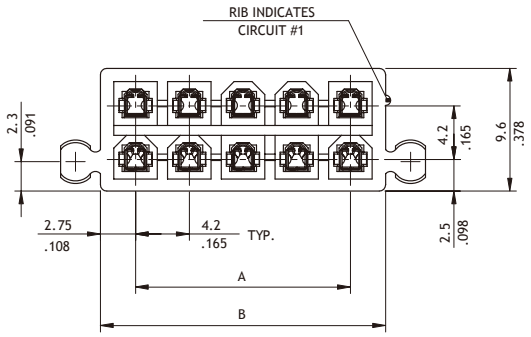
P/N	CP-RWT-0200



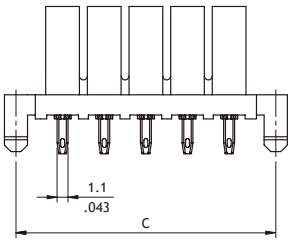
CP-011 Series 4.20mm (.165") Receptacle Board Mount Connectors

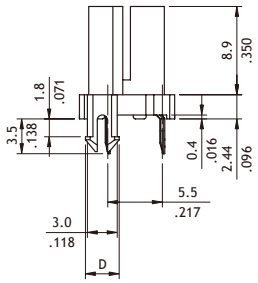
◎ With Board Locks
◎ Available in 2 through 24 circuits
◎ Mates with CP-012, CP-013 or CP-014 connector
◎ Nylon 66 UL 94V-0 or V-2 and 46 UL94V-0 insulator material
◎ Glow wire test available

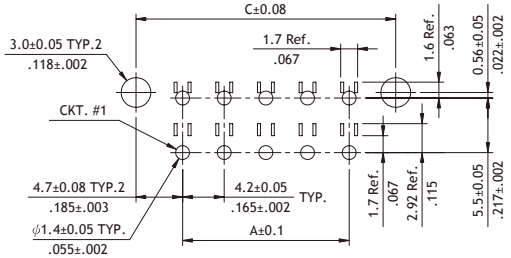
RoHS Compliant



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 PCB Layout

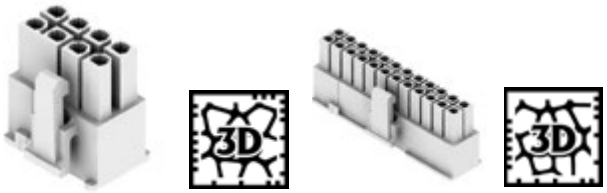
Ordering Code

①	②	③	④	⑤	⑥
CP-01	1	24	1	1	0

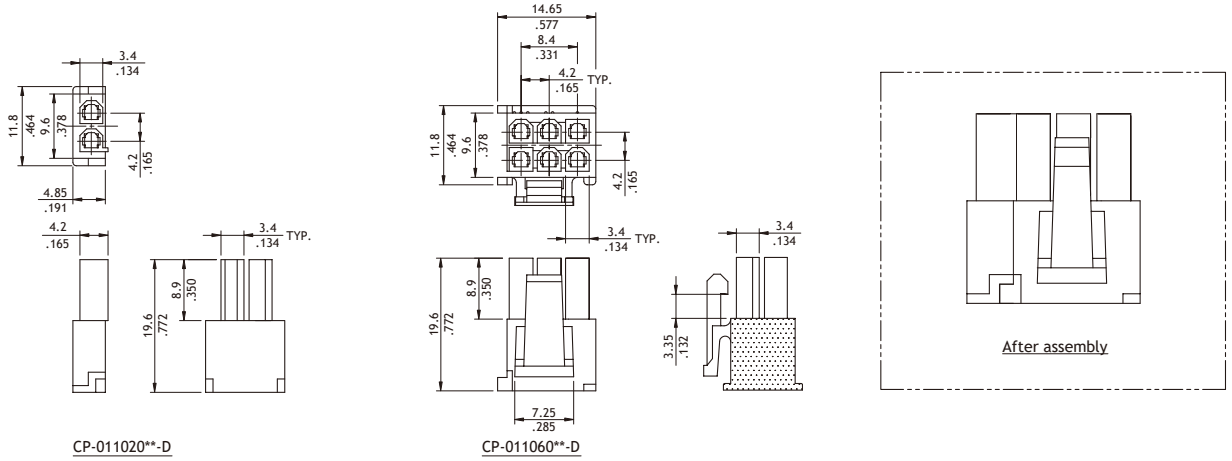
① Series No.
② Connector Type:
1 = Receptacle
③ No. of Circuits:
02 to 24
④ Plating: 1 = Tin over Nickel
⑤ Variation:
0 = UL 94V-0 (PA46) (DIM. D = 3.2mm)
1 = UL 94V-0 (PA66) (DIM. D = 3.4mm)
2 = UL 94V-2 (PA66) (DIM. D = 3.4mm)
3 = UL 94V-2 (GWT) (DIM. D = 3.4mm)
⑥ Other Options: 0 = Standard
*Special options consult manufacturer

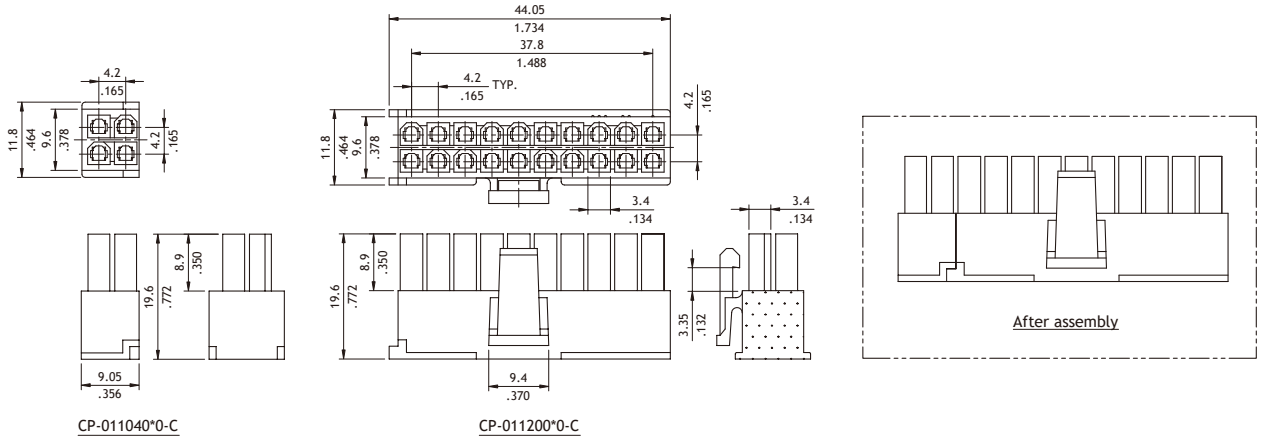
CP-011 Series 4.20mm (.165") Assembly Power Connectors

◎ 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





Ordering Code

①	②	③	④	⑤	⑥		⑦
CP-01	1	20	0	1	0	-	C

① Series No.
② Connector Type: 1 = Receptacle
③ No. of Circuits:
02, 04, 06, 20
④ Plating: 0 = Non plating
⑤ Variation: 1 = UL 94V-2
3 = UL 94V-0
⑥ Color Options:
0 = Nature (Standard)
*Special options consult manufacturer
⑦ Other Options:
C = Assembly Type
D = PCI-E Assembly Type

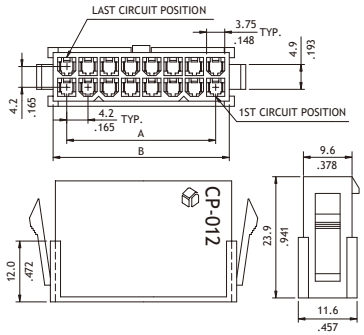
CP-012 Series 4.20mm (.165") Plug Connectors

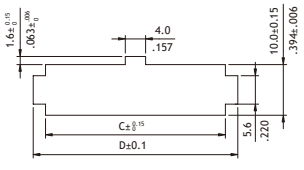
◎ With mounting ears
◎ Available in 2 through 24 circuits
◎ Mates with CP-011 connector
◎ Nylon 66 UL 94V-0 or V-2 insulator material
◎ Can be used CP-012 crimp terminal
◎ Terminal accommodated AWG #16 ~ #26
◎ Glow Wire test material available

RoHS Compliant



P/N CP-012**0*0

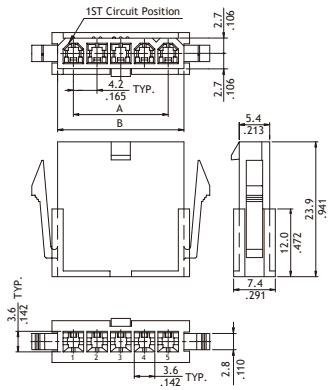




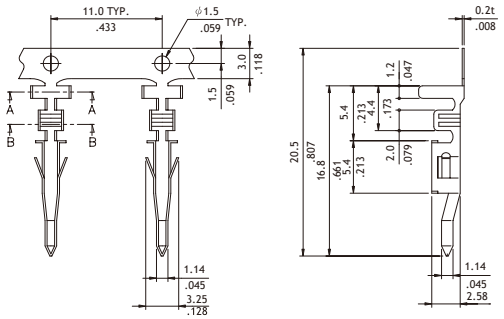
Mounting Hole Details

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

①	②	③	④	⑤	⑥
CP-01	2	24	0	0	0

① Series No.
② Connector Type:
2 = Plug
③ No. of Circuits:
02 to 24 (Dual Row)
03 to 05 (Single Row)
④ Plating: 0 = Non plating

⑤ 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)
E = GWT approval (without mounting ear)
F = GWT approval (with mounting ears)

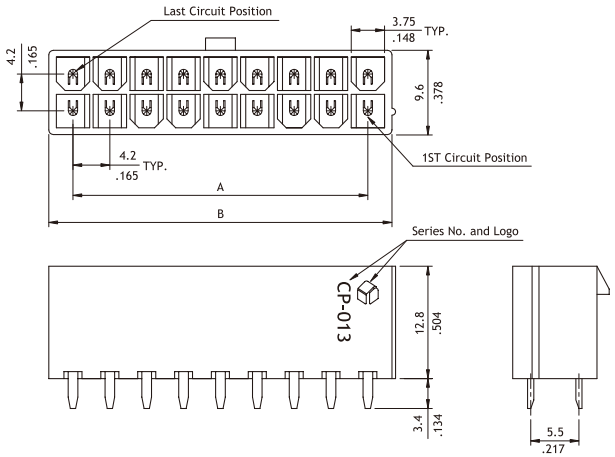
⑥ Other Options:
0 = Standard (Dual Row)
S = Single Row
*Special options consult manufacturer

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

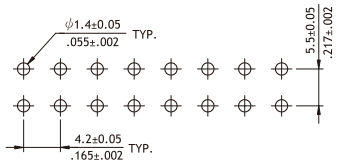
◎ Optional PCB mounting pegs
◎ Mates with CP-011 connector
◎ Nylon 66 UL 94V-0 or V-2 insulator material
◎ Glow wire test material available

RoHS Compliant

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

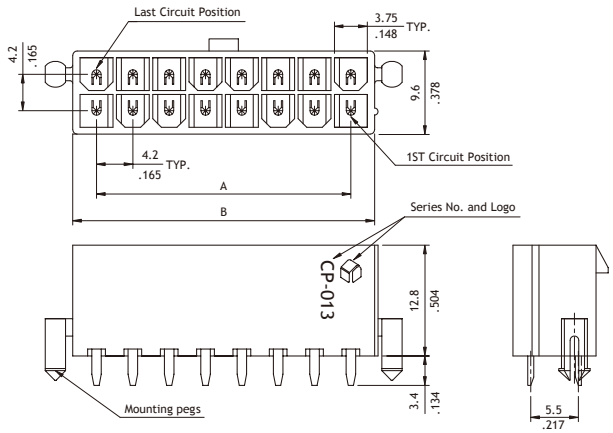


Circuits	Dimension	
	A	B
2	-	5.5(.217)
4	4.2(.165)	9.7(.382)
6	8.4(.331)	13.9(.547)
8	12.6(.496)	18.1(.713)
10	16.8(.661)	22.3(.878)
12	21.0(.827)	26.5(1.043)
14	25.2(.992)	30.7(1.209)
16	29.4(1.157)	34.9(1.374)
18	33.6(1.322)	39.1(1.539)
20	37.8(1.487)	43.3(1.705)
22	42.0(1.652)	47.5(1.870)
24	46.2(1.817)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

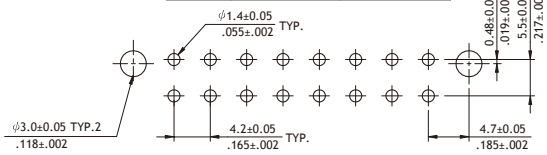


Recommended PCB Layout

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 PCB Layout

Ordering Code

①	②	③	④	⑤	⑥
CP-01	3	24	1	1	0

① Series No.
② Connector Type:
3 = Straight PCB mount header
③ No. of Circuits:
see above table
④ Plating: 1 = Tin over Nickel

⑤ 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)

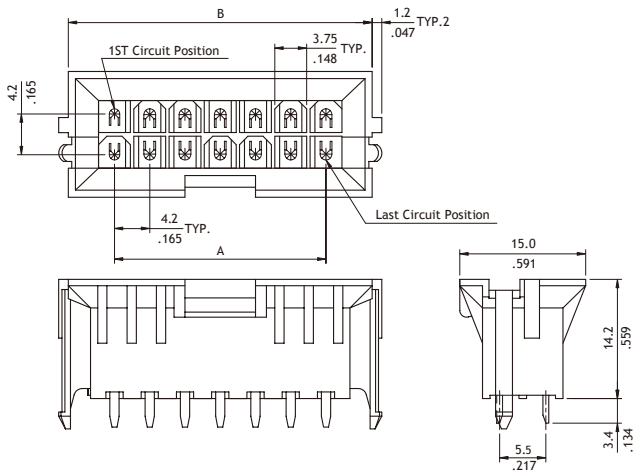
⑥ Other Options:
0 = Standard
(with drain holes shown, non for 2 pin Type)
H = Without drain hole
*Special options consult manufacturer

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

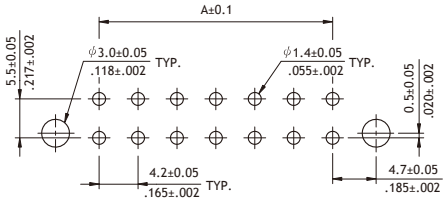
◎ Optional PCB mounting pegs
◎ Mates with CP-011 Connector
◎ Nylon 66 UL 94V-0 or V-2 insulator material
◎ Glow Wire test material available

RoHS Compliant

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

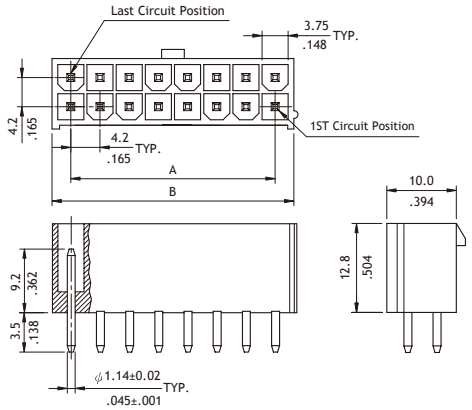


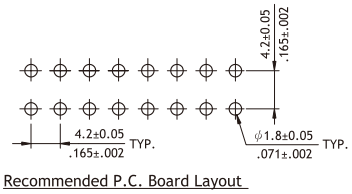
Circuits	Dimension	
	A	B
4	4.2(.165)	15.1(.594)
6	8.4(.331)	19.3(.760)
8	12.6(.496)	23.5(.925)
10	16.8(.661)	27.7(1.091)
14	25.2(.992)	36.1(1.421)
16	29.4(1.157)	40.3(1.587)
18	33.6(1.323)	44.5(1.752)
24	46.2(1.819)	57.1(2.248)



Recommended PCB 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

①	②	③	④	⑤	⑥
CP-01	3	24	1	6	0

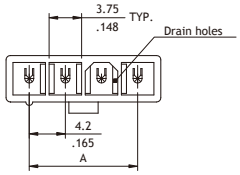
① Series No.
② Connector Type:
3 = Straight PCB mount header
③ No. of Circuits:
see above table
④ Plating: 1 = Tin over Nickel
⑤ Variation:
6 = UL 94V-2 (B.M.I Type)
7 = UL 94V-0 (B.M.I Type)
8 = UL 94V-2 (with square pin)
9 = UL 94V-0 (with square pin)
J = GWT approval (with square pin)
H = GWT approval (B.M.I Type)
⑥ Other Options:
0 = Standard
*Special options consult manufacturer

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

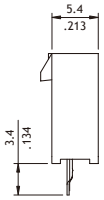
◎ Optional PCB mounting pegs
◎ Mates with CP-011 Connector
◎ Nylon 66 UL 94V-0 or V-2 insulator material

RoHS Compliant

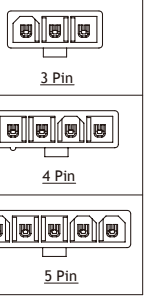
P/N	CP-013**11S / CP-013**13S / CP-013**16S / CP-013**17S

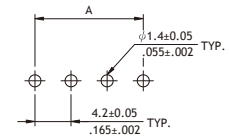


Circuits	Dimension	
	A	B
3	8.4(.331)	13.8(.543)
4	12.6(.496)	18.0(.709)
5	16.8(.661)	22.2(.874)



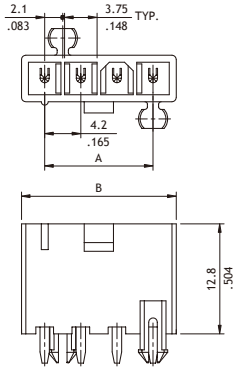
Circuits Pattern



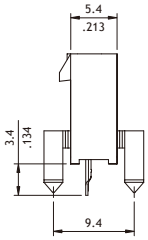


Recommended PCB Layout

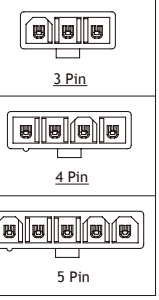
P/N	CP-013**14S / CP-013**15S / CP-013**18S / CP-013**19S

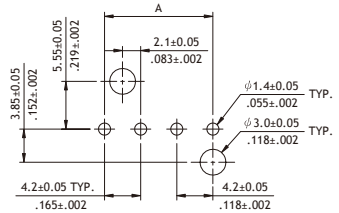


Circuits	Dimension	
	A	B
3	8.4(.331)	13.8(.543)
4	12.6(.496)	18.0(.709)
5	16.8(.661)	22.2(.874)



Circuits Pattern





Recommended PCB Layout

Ordering Code

① ② ③ ④ ⑤ ⑥

CP - 01 3 05 1 1 S

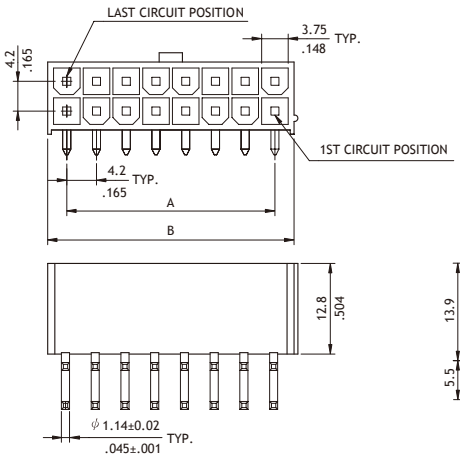
① Series No.
② Connector Type:
3 = Straight PCB mount header
③ No. of Circuits:
see above table
④ Plating: 1 = Tin over Nickel
⑤ Variation:
Without mounting peg:
1 = UL 94V-2 (with drain holes)
3 = UL 94V-0 (with drain holes)
6 = UL 94V-2 (without drain hole)
7 = UL 94V-0 (without drain hole)
With mounting 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)
⑥ Other Options: S = Single Row Header
*Special options consult manufacturer

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

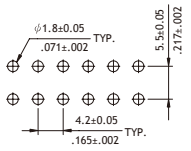
◎ Option with mounting ears
◎ Mates with CP-011 connector
◎ Nylon 66 UL 94V-0 or V-2 insulator material

RoHS Compliant


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

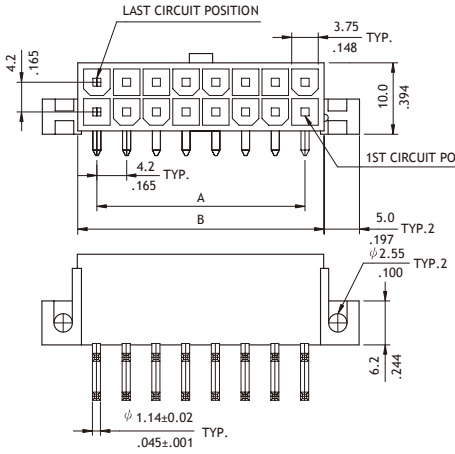


Circuits	Dimension	
	A	B
2	-	6.0(.236)
4	4.2(.165)	10.2(.402)
6	8.4(.331)	14.4(.567)
8	12.6(.496)	18.6(.732)
10	16.8(.661)	22.8(.898)
12	21.0(.827)	27.0(1.063)
14	25.2(.992)	31.2(1.228)
16	29.4(1.157)	35.4(1.394)
18	33.6(1.322)	39.6(1.559)
20	37.8(1.487)	43.8(1.724)
22	42.0(1.652)	48.0(1.890)
24	46.2(1.817)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

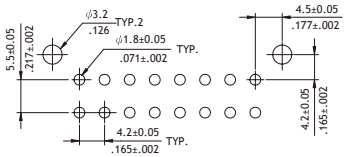


Recommended PCB Layout

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 PCB Layout

Ordering Code

①	②	③	④	⑤	⑥
CP-01	4	24	1	0	0

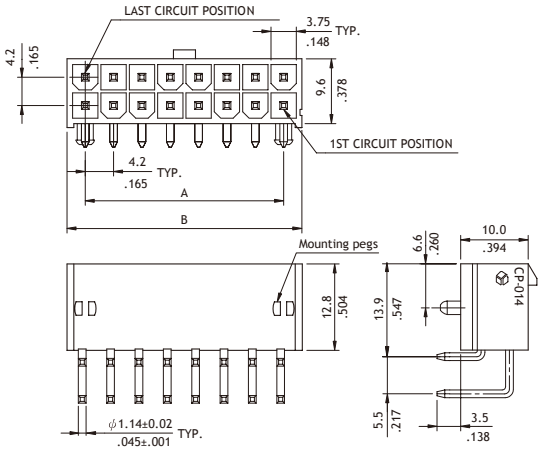
① Series No.
② Connector Type:
4 = Right Angle Header
③ No. of Circuits:
see above table
④ Plating: 1 = Tin over Nickel
⑤ Variation:
0 = UL 94V-2 (with mounting ears)
1 = UL 94V-2 (without mounting ear)
2 = UL 94V-0 (with mounting ears)
3 = UL 94V-0 (without mounting ear)
⑥ Other Options:
0 = Standard
*Special options consult manufacturer

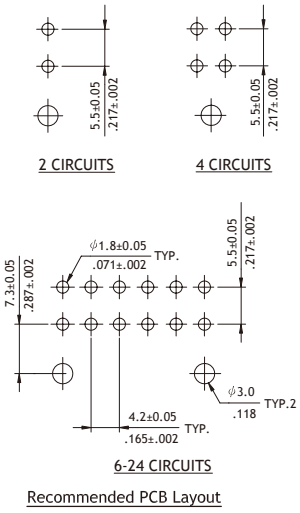
CP-014 Series 4.20mm (.165") Right Angle DIP Solder Headers

◎ 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

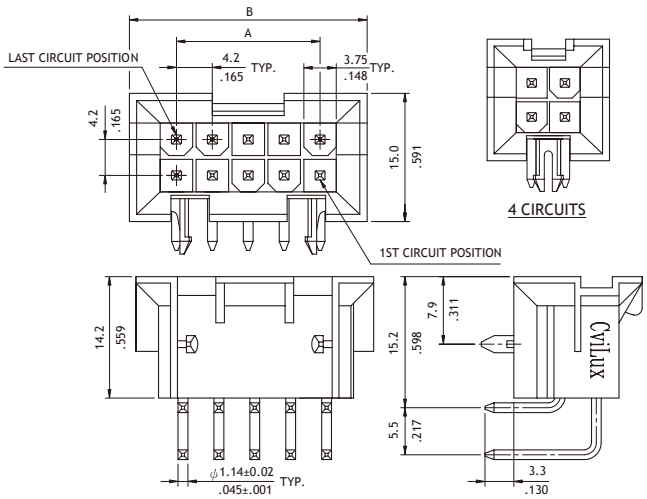


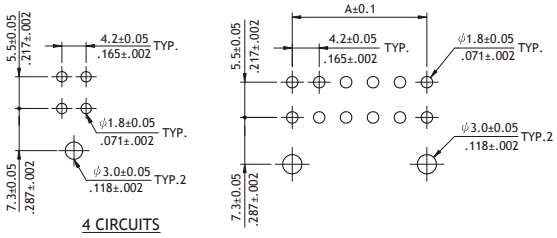


Recommended PCB Layout

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)

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





Recommended PCB Layout

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

①	②	③	④	⑤	⑥
CP-01	4	24	1	4	0

① Series No.
② Connector Type:
4 = Right Angle Header
③ No. of Circuits:
see above table
④ Plating: 1 = Tin over Nickel

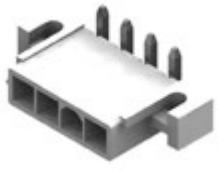
⑤ Variation:
4 = UL 94V-2 (with mounting pegs)
5 = UL 94V-0 (with mounting pegs)
6 = UL 94V-2 (B.M.I Type)
7 = UL 94V-0 (B.M.I Type)
G = GWT Type (with mounting pegs)
H = GWT Type (B.M.I Type)

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

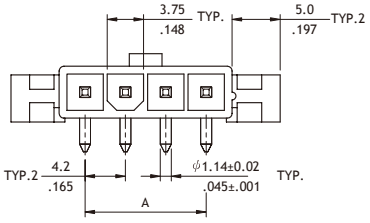
CP-014 Series 4.20mm (.165") Right Angle DIP Solder Headers

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

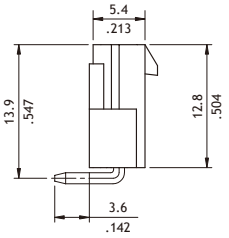
RoHS Compliant



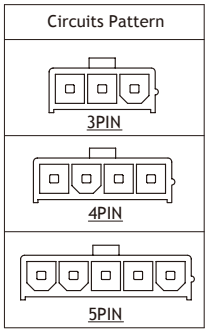
P/N	CP-014**10S / CP-014**12S

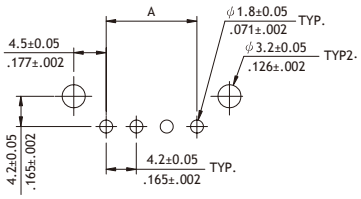


Circuits	Dimension			
	A	B	C	D
3	8.4(.331)	13.8(.543)	17.4(.685)	23.8(.937)
4	12.6(.496)	18.0(.709)	21.6(.850)	28.0(1.102)
5	16.8(.661)	22.2(.874)	25.8(1.016)	32.2(1.268)



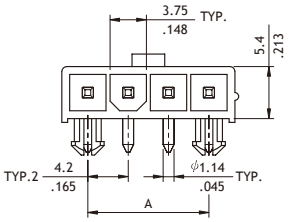
Circuits Pattern



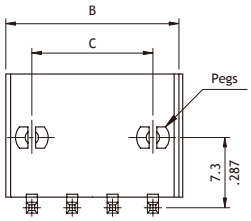


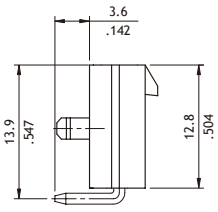
Recommended PCB Layout

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

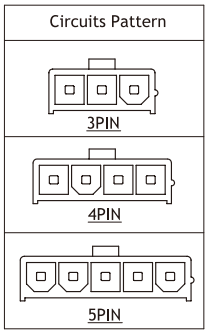


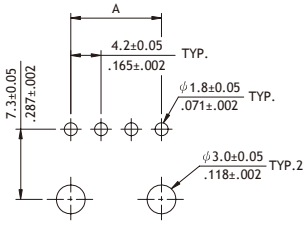
Circuits	Dimension		
	A	B	C
3	8.4(.331)	13.8(.543)	8.4(.331)
4	12.6(.496)	18.0(.709)	12.6(.496)
5	16.8(.661)	22.2(.874)	16.8(.661)





Circuits Pattern





Recommended PCB Layout

Ordering Code

①	②	③	④	⑤	⑥
CP-01	4	05	1	0	S

① Series No.
② Connector Type:
4 = Right Angle Header
③ No. of Circuits:
see above table
④ Plating: 1 = Tin over Nickel

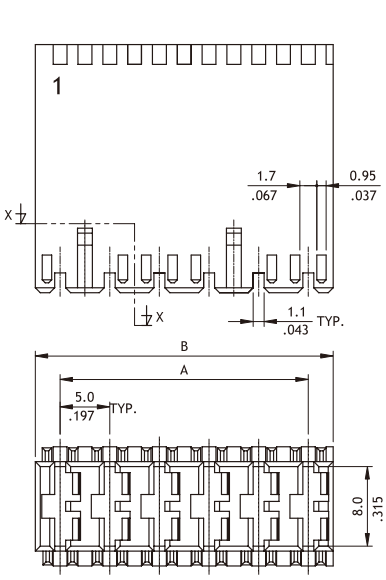
⑤ Variation:
0 = UL 94V-2 (with mounting ears)
1 = UL 94V-2 (without mounting ear and peg)
2 = UL 94V-0 (with mounting ears)
3 = UL 94V-0 (without mounting ear and peg)
4 = UL 94V-2 (with mounting pegs)
5 = UL 94V-0 (with mounting pegs)

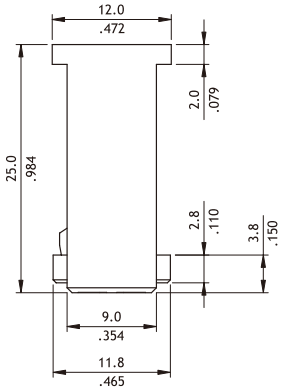
⑥ Other Options:
S = Single Row Header
*Special options consult manufacturer

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

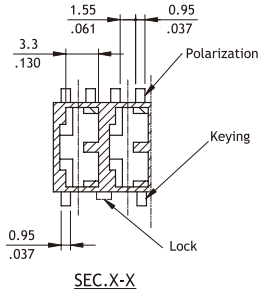
◎ Mate with CP50 Header
◎ Can be used CP50 Crimp Clip terminal
◎ Insulator: Nylon 66 UL 94V-0, Color Nature

RoHS Compliant

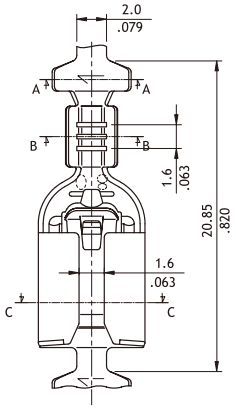


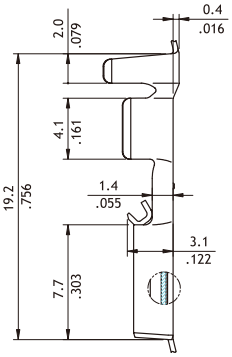


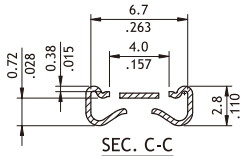
A = 5.0 * No. of Spaces
B = A + 5.0



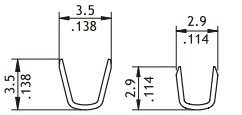
SEC.X-X







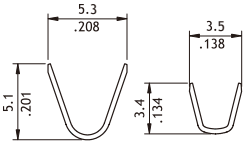
SEC. C-C



SEC. A-A SEC. B-B

(P/N：CP50T031*P0)

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.



SEC. A-A SEC. B-B

(P/N：CP50T041*P0)

Ordering Code

① ② ③ ④ ⑤ ⑥

CP50	12	S	0	0	0A

① Series No.
② No. of Circuits: 02 to 12
③ S = Receptacle
④ 0 = With Lock; N= Without Lock
⑤ Color: 0 = Nature
⑥ Options: 0A = Consult manufacturer for Polarization, keying and locking options.

① ② ③ ④ ⑤

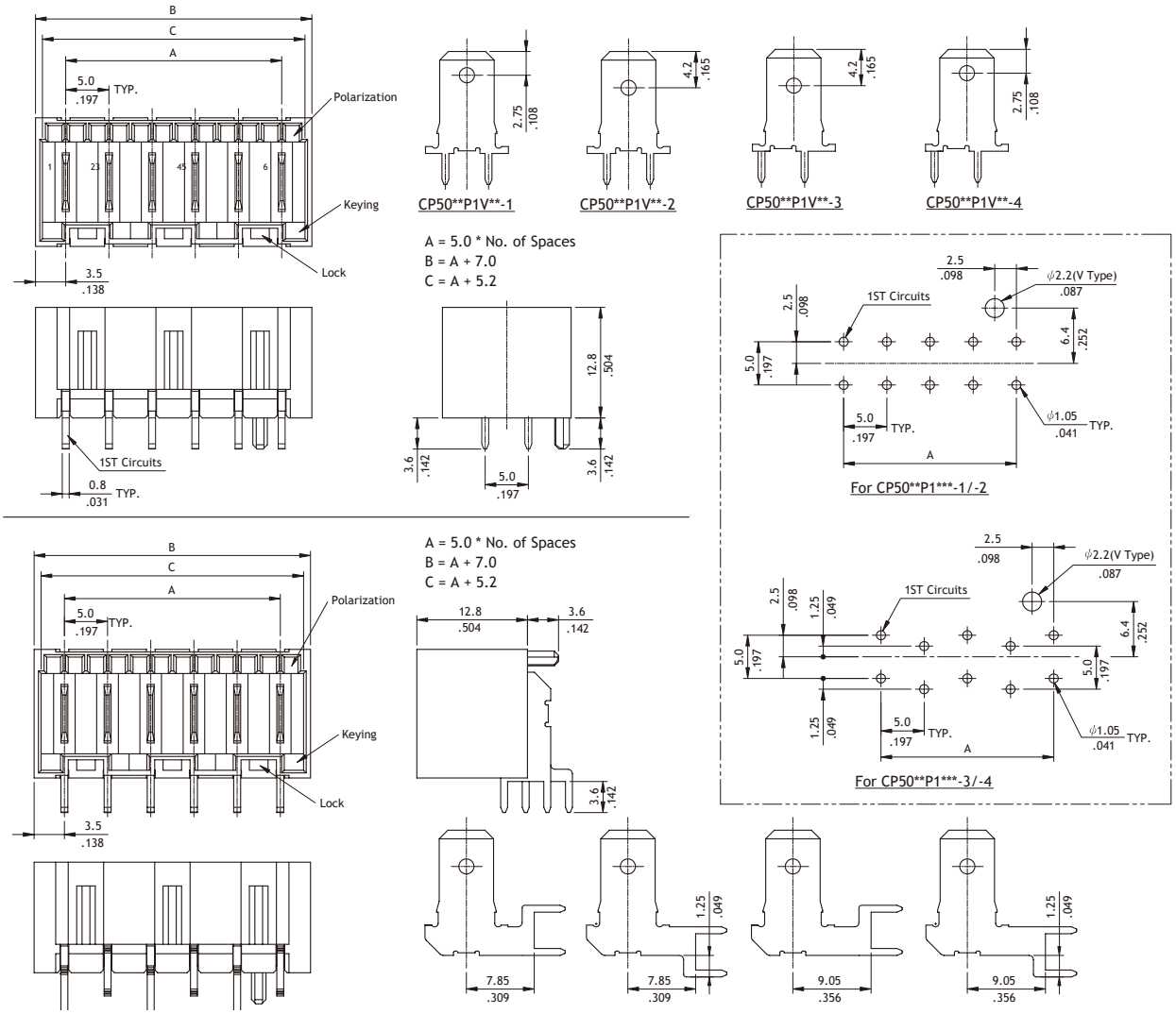
CP50	T04	1	B	P0

① Series No.
② Wire Range: T03 = AWG #20 ~ #22
T04 = AWG #14 ~ #18
③ Plating: 1 = Tin over Nickel
④ Material: P = Phosphor Bronze; B= Brass
⑤ Options: P0 = Standard

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

◎ Mate with CP50 Housing

RoHS Compliant



Ordering Code

①	②	③	④	⑤	⑥		⑦
CP50	12	P	1	V	0A	-	1

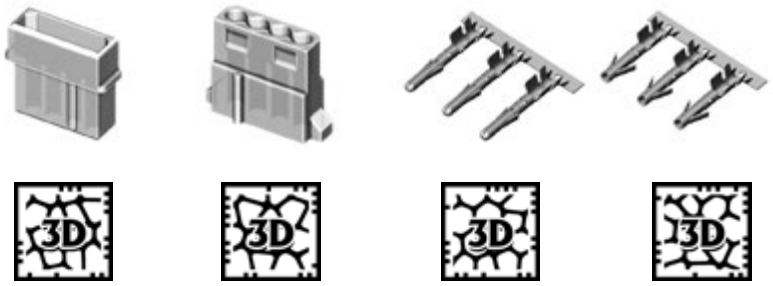
① Series No.
② No. of Circuits: 02 to 12
③ P = Plug
④ Plating:
1 = Tin over Nickel

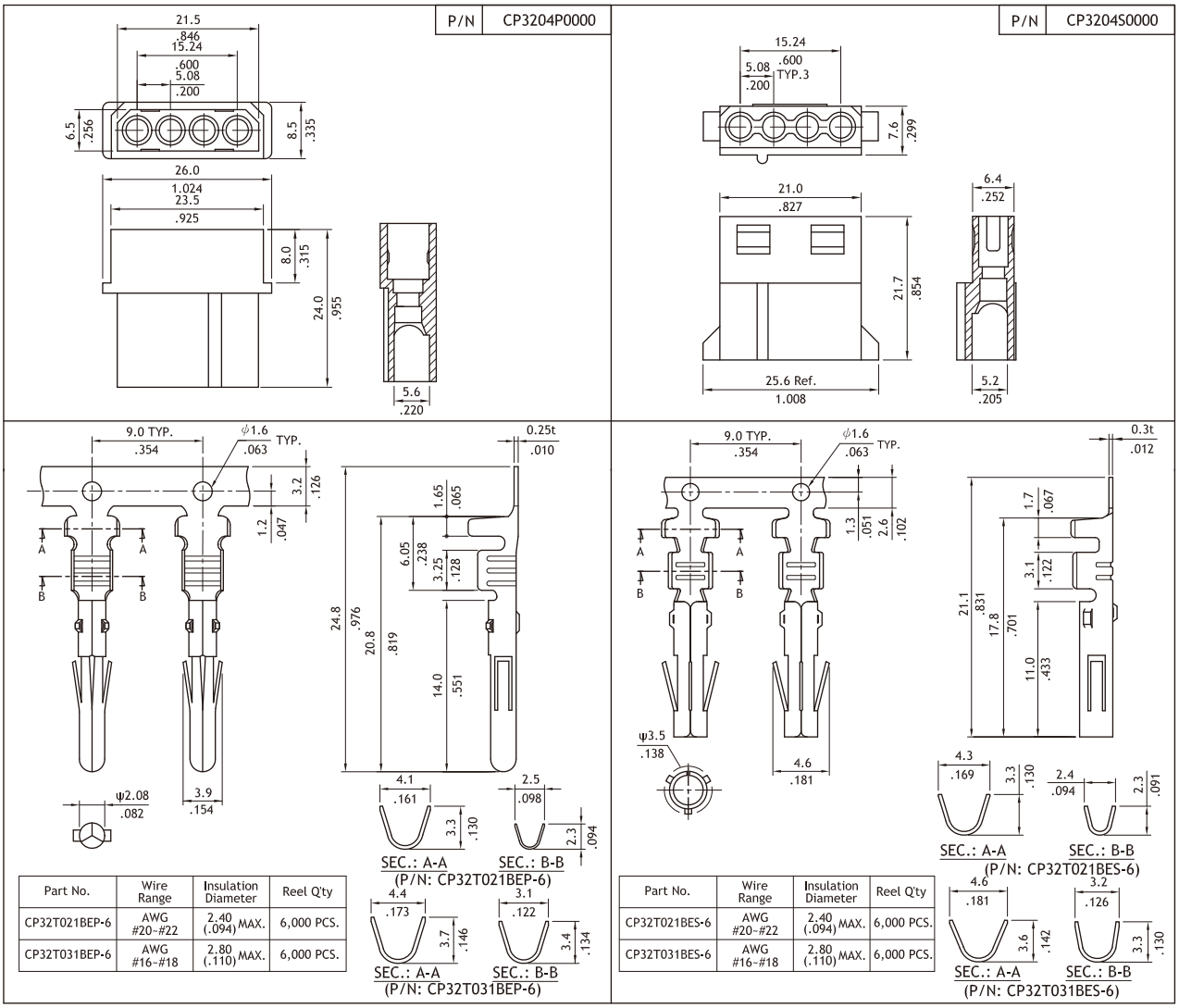
⑤ Contact Type: V = Straight Type
H = Right Angle Type
⑥ Options:
0A: Consult manufacturer for Polarization, keying and locking options
⑦ Terminal Type: 1, 2, 3, 4

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

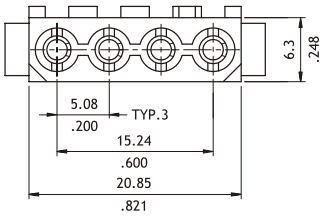
①	②	③	④	⑤
CP32	04	S	0	000

① Series No.
② No. of Circuits: 04
③ Type: P = Plug
S = Receptacle
④ Color:0 = Nature
⑤ Other Options:
000 = Standard
*Special options consult manufacturer

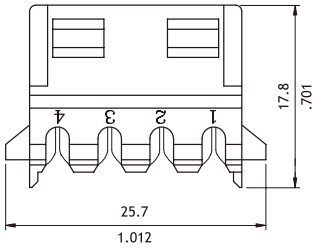
CP33 Series 5.08mm (.200") IDC Plug Power Connectors

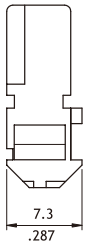
- ◎ Insulator displacement termination
- ◎ Option closed end daisy chain cover
- ◎ Mates with CP32 or CP33 plug connector
- ◎ Accept AWG #18 ~#22 wire
- ◎ Nylon 66 UL 94V-0 or V-2 Color Nature
- ◎ Contact: Tin plated Phosphor Bronze

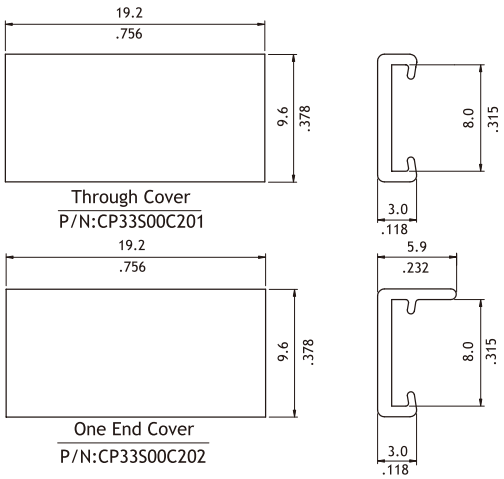
RoHS Compliant



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





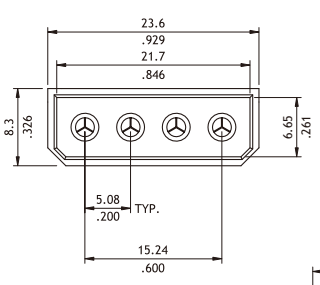


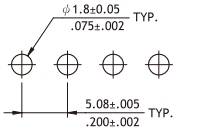
CP33 Series 5.08mm (.200") Board Mount Receptacle Power Connectors

- ◎ Optional mounting pegs
- ◎ Mates with CP32 or CP33 Receptacle connector
- ◎ Nylon 66 UL 94V-0 or V-2 Color Nature
- ◎ Contact: Tin plated Phosphor Bronze

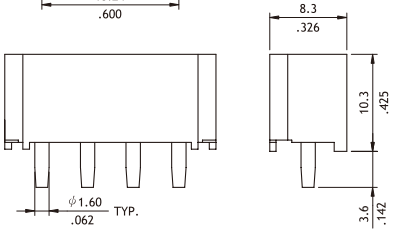
RoHS Compliant

P/N CP3304P1V00

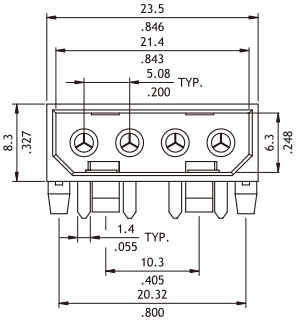


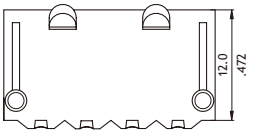


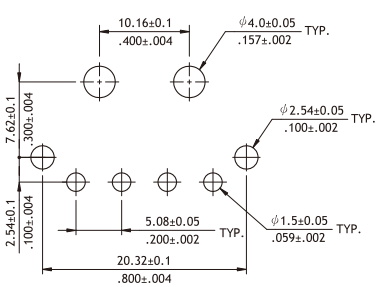
Recommended P.C Board layout



P/N CP3304P1H00







Recommended PCB Layout