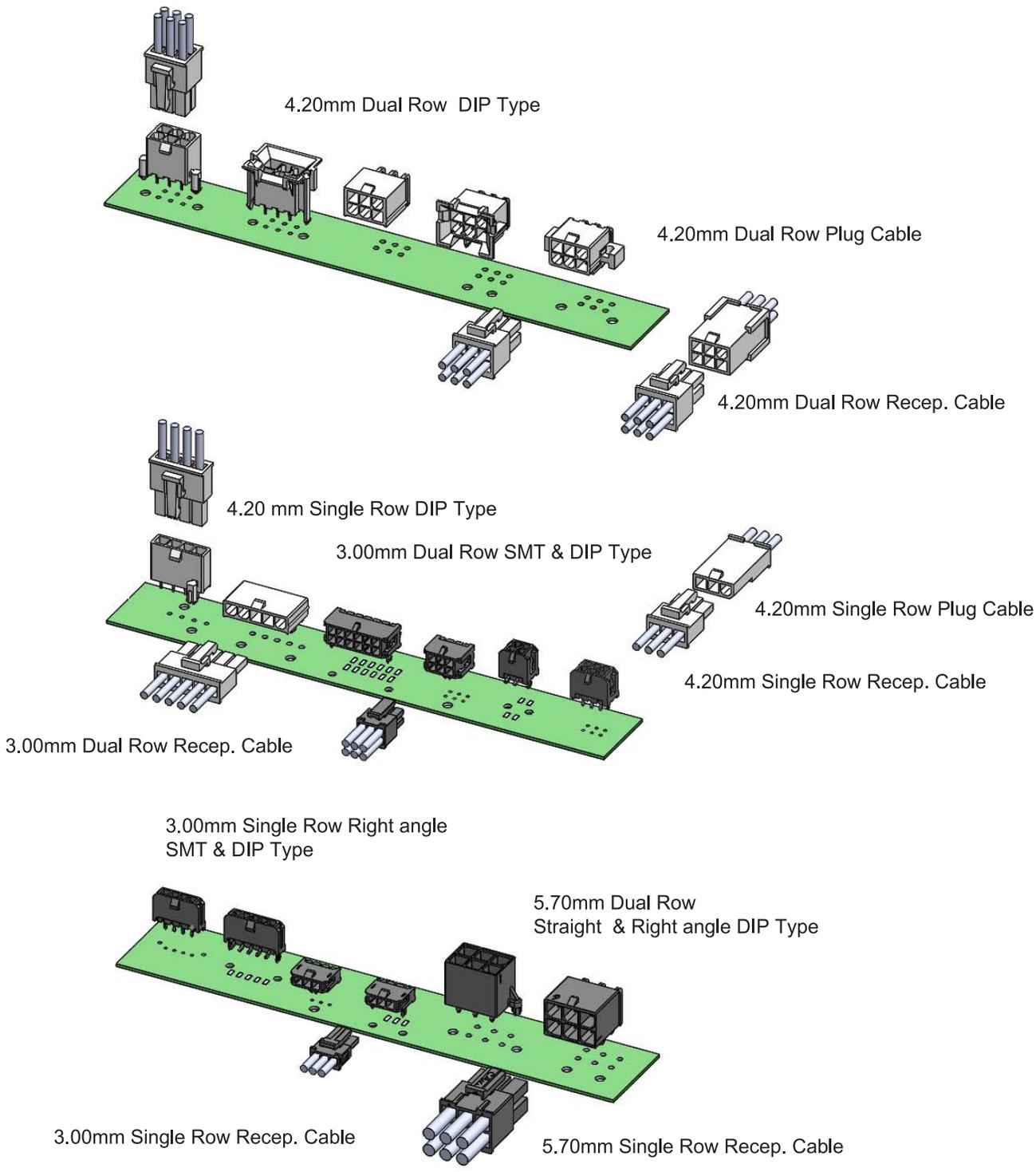


Connection Combinations of Power Connectors



CP

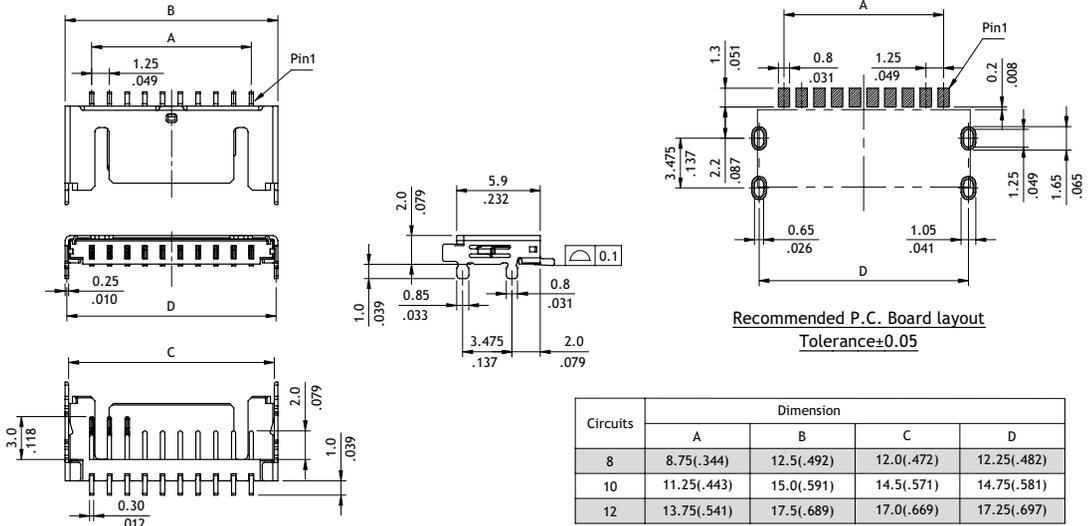
POWER CONNECTOR

CP30 Series

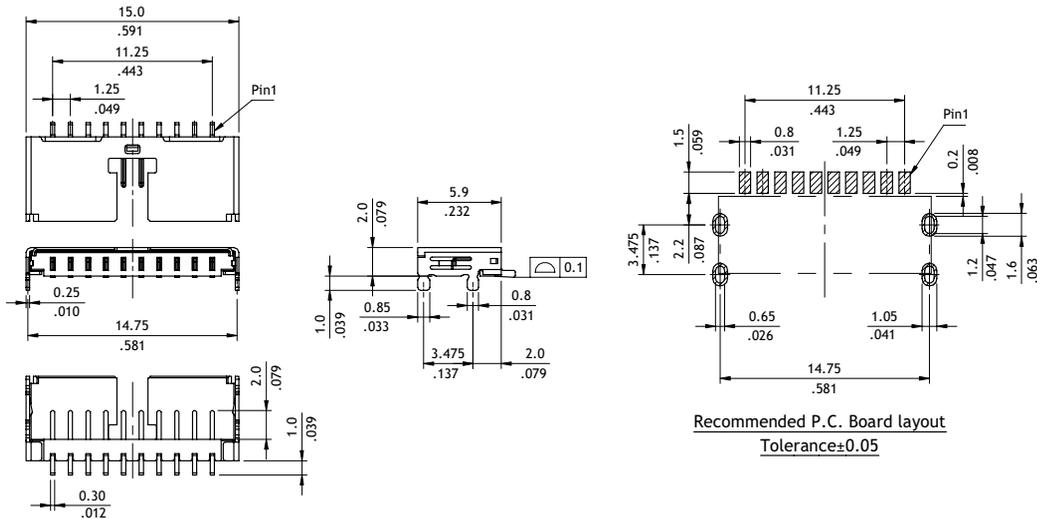
☉ Insulator: High Temperature plastic UL94V-0, Color Black



CP30PAHSA-NH**



CP3010PAHSB-NH



Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
CP30 10 P A H S A - NH

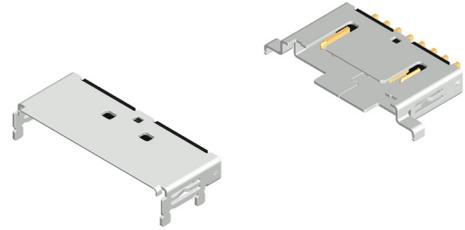
- ① Series No.
- ② No. of Circuits: 08,10,12
- ③ P = Plug
- ④ Plating : A = Selective Gold flash over Nickel
- ⑤ Type : H = Right Angle
- ⑥ Mount Type : S = SMT Type
- ⑦ Other Option : A = With thru hole solder tab
- ⑧ NH= For Lead Free soldering process and Halogen-Free

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
CP30 10 P A H S B - NH

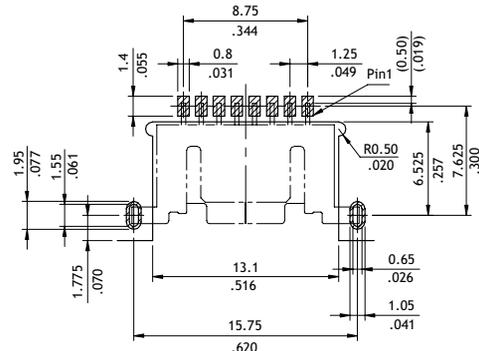
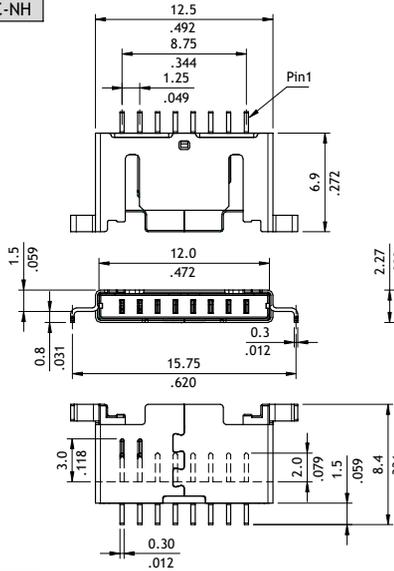
- ① Series No.
- ② No. of Circuits: 10
- ③ P = Plug
- ④ Plating : A = Selective Gold flash over Nickel
- ⑤ Type : H = Right Angle
- ⑥ Mount Type : S = SMT Type
- ⑦ Other Option : B = Type B
- ⑧ NH= For Lead Free soldering process and Halogen-Free

CP30 Series

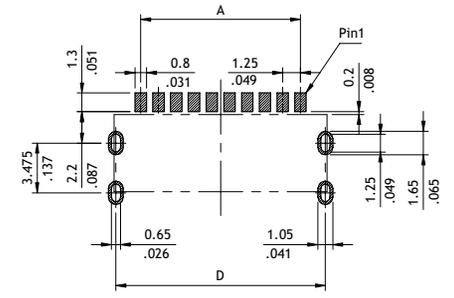
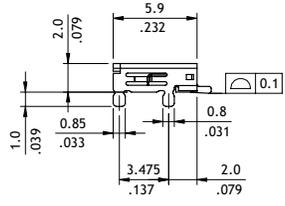
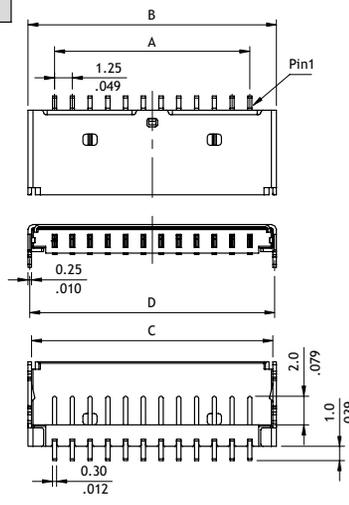
☉ Insulator: High Temperature plastic UL94V-0, Color Black



CP30**PAHMC-NH



CP30**PAHSE-NH



| Circuits | Dimension | | | |
|----------|-------------|------------|------------|-------------|
| | A | B | C | D |
| 12 | 13.75(.541) | 17.5(.689) | 17.0(.669) | 17.25(.697) |
| 14 | 16.25(.640) | 20.0(.787) | 19.5(.768) | 19.75(.778) |

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
CP30 08 P A H M C - NH

- ① Series No.
- ② No. of Circuits: 08
- ③ P = Plug
- ④ Plating : A = Selective Gold flash over Nickel
- ⑤ Type : H = Right Angle
- ⑥ Mount Type : M = Middle Mount Type
- ⑦ Other Option : C = Pin No.7~8 Power Pin
- ⑧ NH= For Lead Free soldering process and Halogen-Free

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
CP30 12 P A H S E - NH

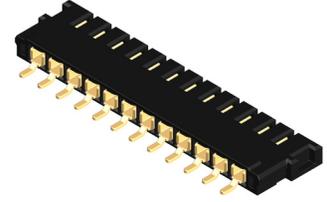
- ① Series No.
- ② No. of Circuits: 12, 14
- ③ P = Plug
- ④ Plating : A = Selective Gold flash over Nickel
- ⑤ Type : H = Right Angle
- ⑥ Mount Type : S = SMT Type
- ⑦ Other Option : E = With thruht hole solder tab
- ⑧ NH= For Lead Free soldering process and Halogen-Free

CP

POWER CONNECTOR

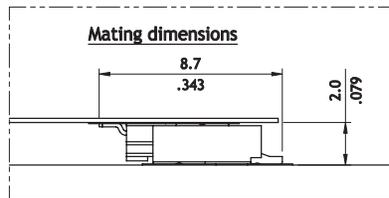
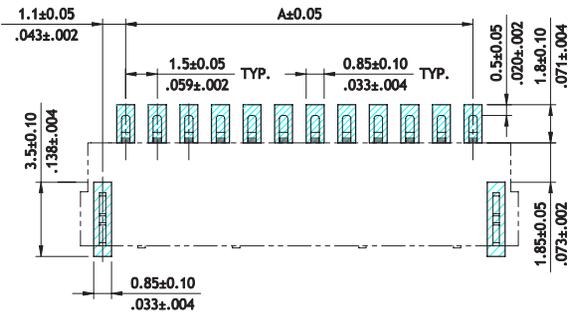
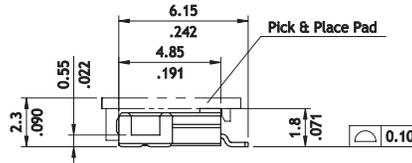
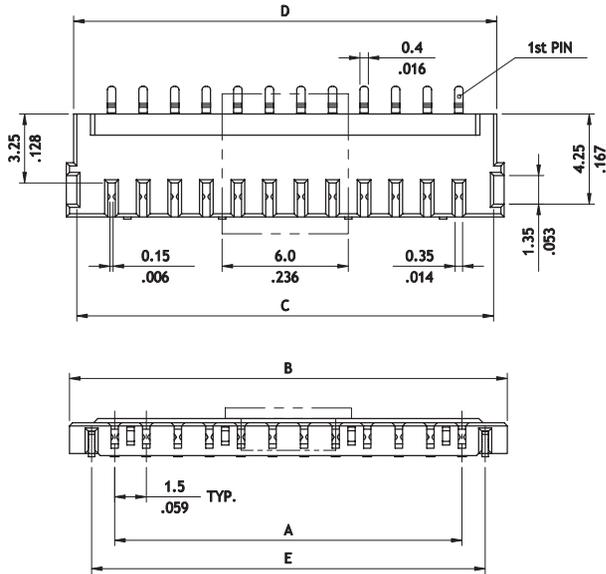
CP75 Series 1.50mm (.059) Board to Board Receptacle Connectors

- ⊙ Locking slots provide secure mating
- ⊙ Fixed tabs provide PCB hold-down and strain-relief for SMT tails
- ⊙ Insulator: High Temperature plastic UL94V-0, Color Black
- ⊙ Mate with CP75 plug connector



RoHS Compliant

CP



Recommended P.C. Board Layout

| Circuits | Dimension | | | | |
|----------|------------|------------|------------|------------|------------|
| | A | B | C | D | E |
| 10 | 13.5(.531) | 17.8(.701) | 16.8(.661) | 17.1(.673) | 15.7(.618) |
| 12 | 16.5(.650) | 20.8(.819) | 19.8(.780) | 20.1(.791) | 18.7(.736) |

Ordering Code

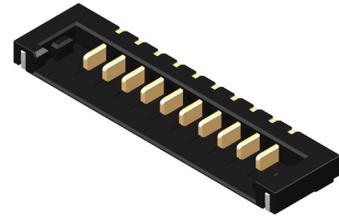
① ② ③ ④ ⑤ ⑥ ⑦
CP75 10 M E S R0 - NH

- ① Series No.
- ② No. of Circuits: 10, 12
- ③ M = SMT Type
- ④ Plating Code:
 E = Contact: 10µ" Gold plated over Nickel
 Soldertails: Gold flash plated over Nickel
 G = Contact: 30µ" Gold plated over Nickel
 Soldertails: Gold flash plated over Nickel
- ⑤ Type: S = Receptacle
- ⑥ Packing Option : R0 = Tape & Reel packing
- ⑦ NH= For Lead Free soldering process and Halogen-Free

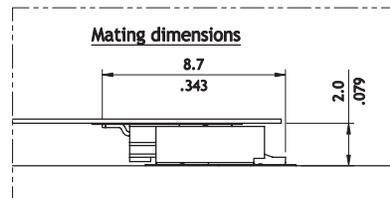
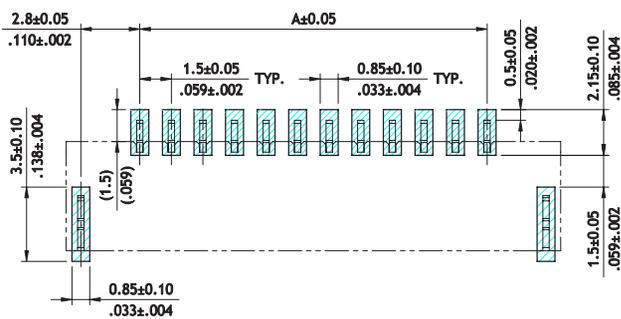
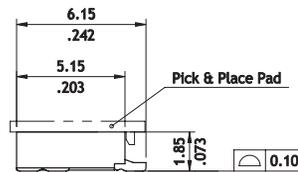
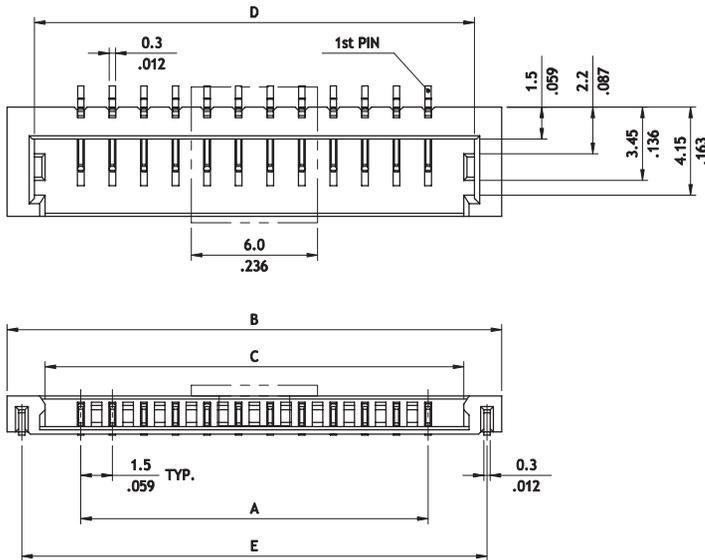
POWER CONNECTOR

CP75 Series 1.50mm (.059) Board to Board Plug Connectors

- ⊙ Locking slots provide secure mating
- ⊙ Fixed tabs provide PCB hold-down and strain-relief for SMT tails
- ⊙ Insulator: High Temperature plastic UL94V-0, Color Black
- ⊙ Mate with CP75 receptacle connector



RoHS Compliant



Recommended P.C. Board Layout

| Circuits | Dimension | | | | |
|----------|------------|------------|------------|------------|------------|
| | A | B | C | D | E |
| 10 | 13.5(.531) | 20.5(.807) | 16.9(.665) | 17.9(.705) | 19.1(.752) |
| 12 | 16.5(.650) | 23.5(.925) | 19.9(.783) | 20.9(.823) | 22.1(.870) |

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦
CP75 10 M E P R0 - NH

- ① Series No.
- ② No. of Circuits: 10, 12
- ③ M = SMT Type
- ④ Plating Code:
 E = Contact: 10µ" Gold plated over Nickel
 Soldertails: Gold flash plated over Nickel
 G = Contact: 30µ" Gold plated over Nickel
 Soldertails: Gold flash plated over Nickel
- ⑤ Type: P = Plug
- ⑥ Packing Option : R0 = Tape & Reel packing
- ⑦ NH= For Lead Free soldering process and Halogen-Free

CP POWER CONNECTOR

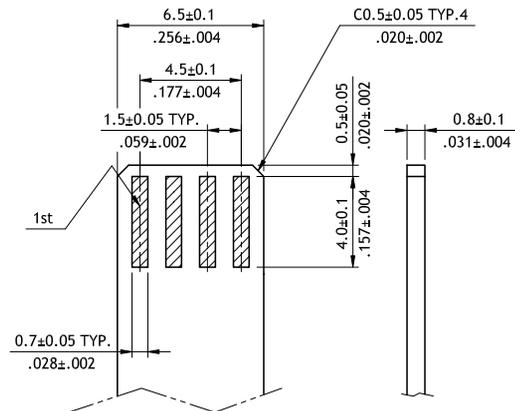
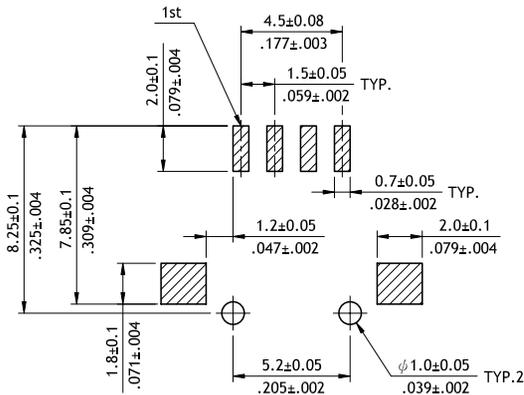
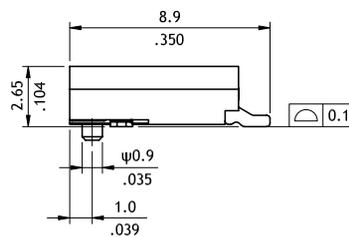
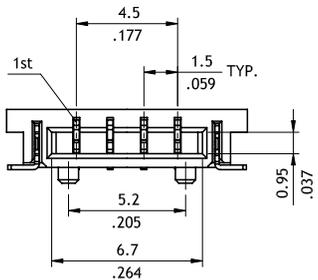
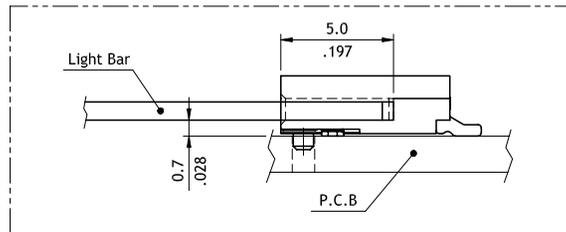
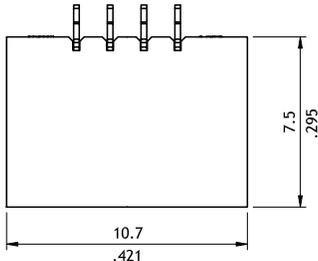
CP14 Series 1.50mm(.059") Single Row Side Entry SMT Headers

- ⊙ Simplify manufacturing procedure
- ⊙ Reduce the Cost
- ⊙ 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

CP



Recommended Connector PCB Layout

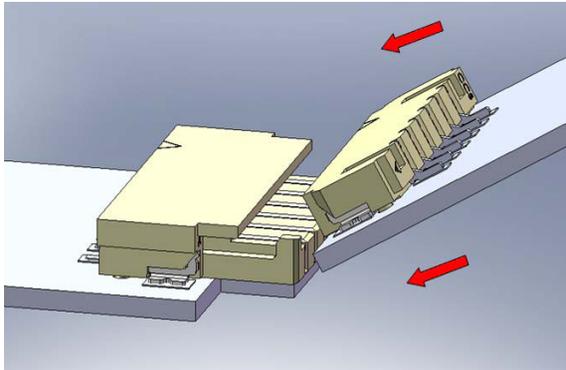
Recommended Light Bar PCB Layout

Ordering Code

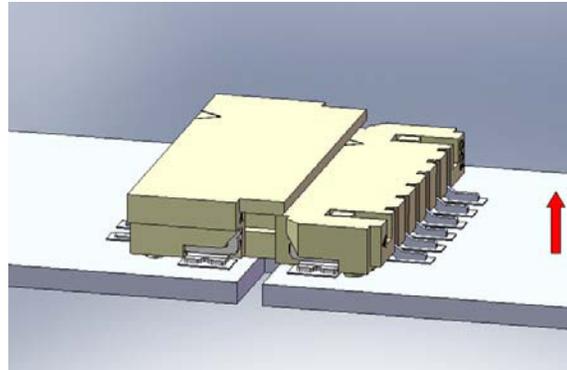
① ② ③ ④ ⑤ ⑥ ⑦ ⑧
CP14 04 M 1 H R B - NH

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

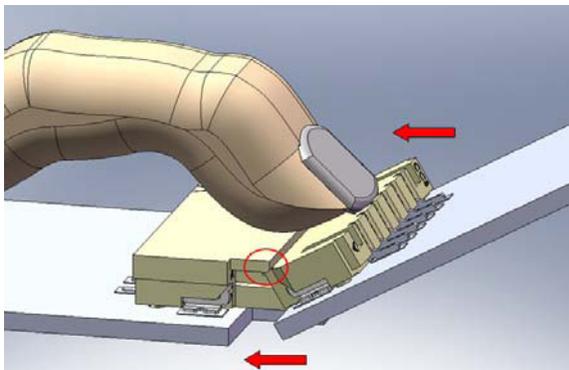
POWER CONNECTOR

CP15 Series 1.50mm(.069") SMT Headers


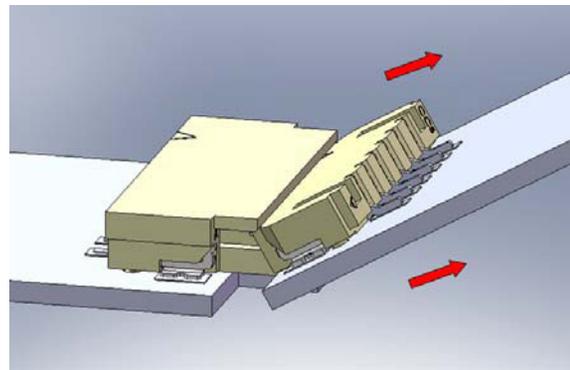
Step 1:
The male header should be tilted during insertion.



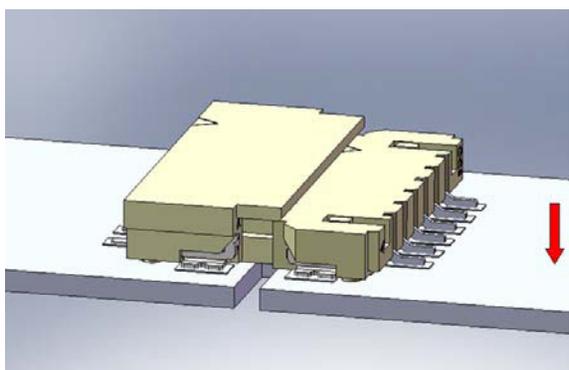
Step 1:
Lift the male header up at 30° -60°.



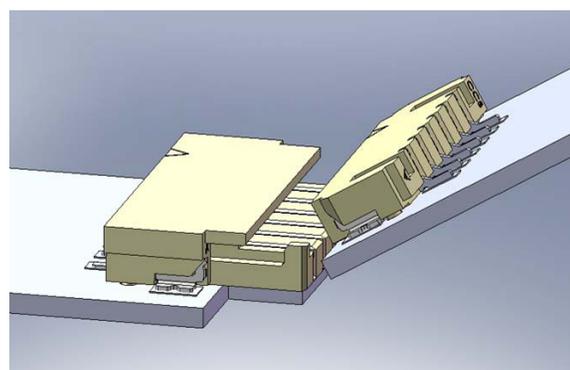
Step 2:
Push the male header to the end. Make sure the male header is under the rib of female header by finger.



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



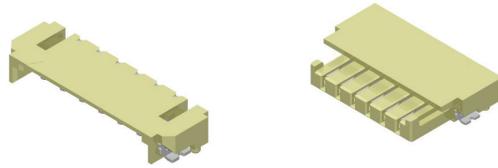
Step 3:
Press down the male header down vertically to finish the connection.



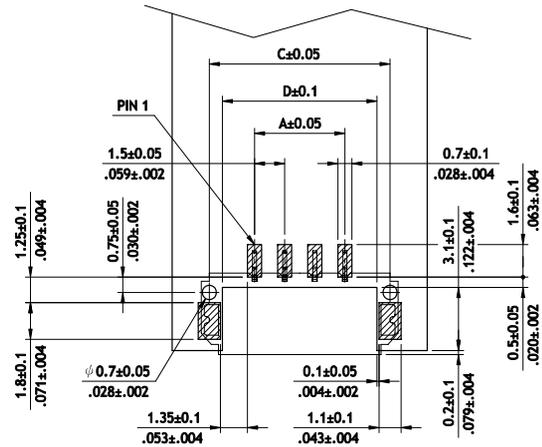
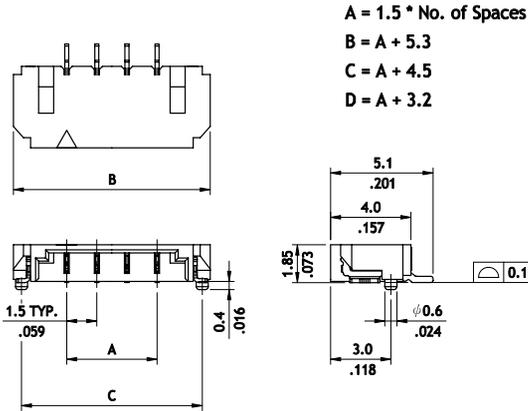
Step 3:
Finish

CP15 Series 1.50mm(.069") SMT Headers (Mating height 2.50mm)

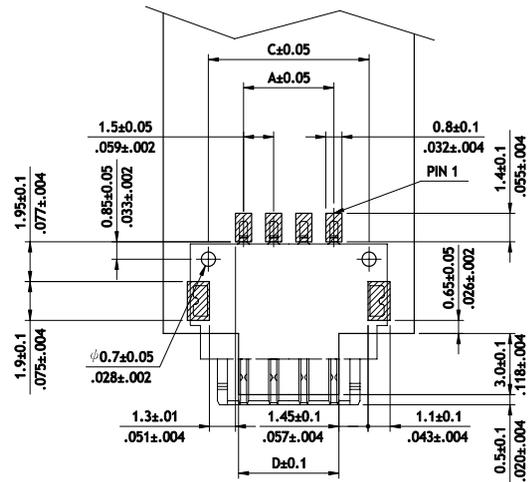
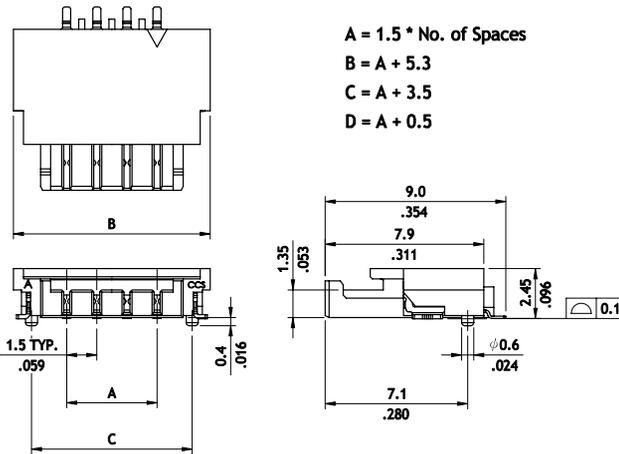
- ⊙ Simplify manufacturing procedure
- ⊙ Reduce the Cost
- ⊙ Insulator: High temperature plastic UL 94V-0
- ⊙ With metal fixed tabs to secure connector in place



P/N CP15**M1PR0-NH



P/N CP15**M1SR0-NH



Ordering Code

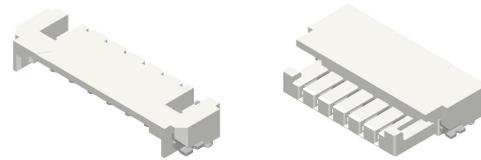
① ② ③ ④ ⑤ ⑥ ⑦ ⑧
CP15 04 M 1 S R 0 - NH

- ① Series No.
- ② No. of Circuits: 02 ~ 05 (Available in 3, 4, 5pin)
*Circuits not found above, please consult manufacturer
- ③ M = SMT Type
- ④ Plating Code :
1 = Matte Tin over Nickel
- ⑤ Type: P = Plug
S = Receptacle
- ⑥ Packing Options:
R = Tape & Reel
- ⑦ Other Options:
0 = Standard (Full of pin)
1 = Omitted pin No.2 (3 pin)
*Special option consult manufacturer
- ⑧ NH = For Lead Free IR process and Halogen-Free

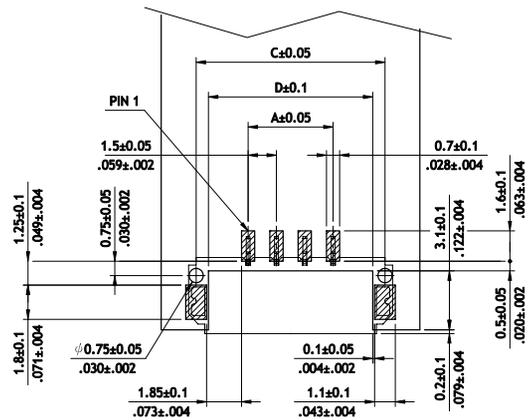
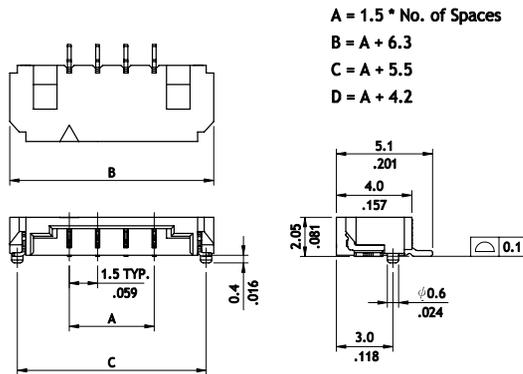
CP15 Series 1.50mm(.069") SMT Headers (Mating height 3.0mm)

- ⊙ 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

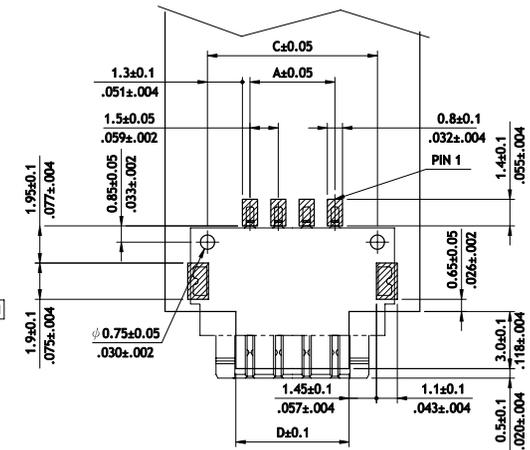
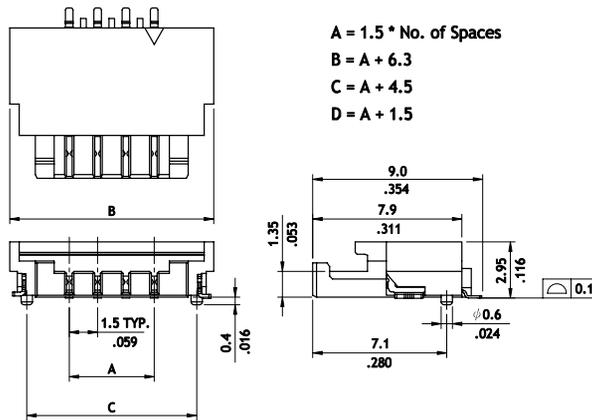
RoHS Compliant



P/N CP15**M1PRB-NH



P/N CP15**M1SRB-NH



Ordering Code

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

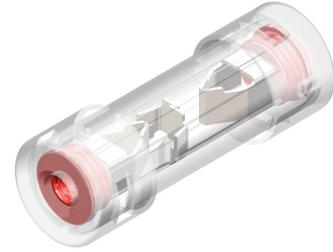
- ① Series No.
- ② No. of Circuits: 02 ~ 05(Available in 03, 04 pin)
 *Circuits not found above , please consult manufacturer
- ③ M = SMT Type
- ④ Plating Code : 1 = Matte Tin over Nickel
- ⑤ Type: P = Plug S = Receptacle
- ⑥ Packing Options : R = Tape & Reel

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

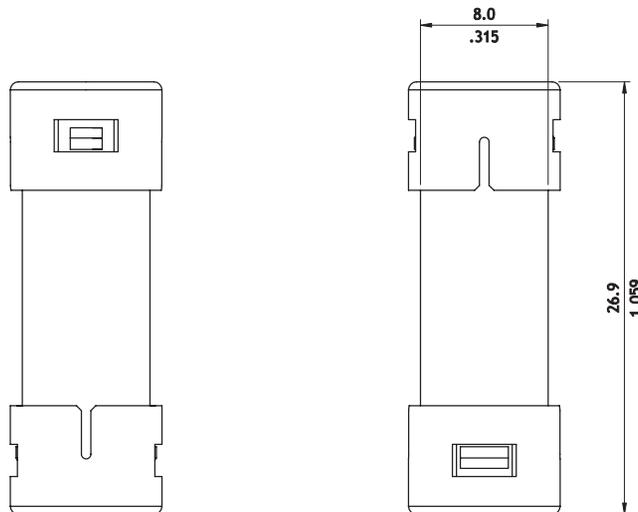
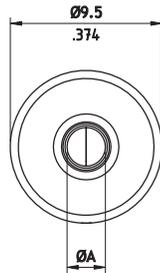
CPB1 Series Waterproof Connectors

- ⊙ Insulator: Polycarbonate UL 94 V-2 Color Nature
- ⊙ Contact : Copper Alloy
- ⊙ According to IEC 60529 IPX7
- ⊙ Wire to Wire connecting
- ⊙ Maximum applied current 15A for AWG 14

RoHS Compliant



CP



| | DIM.A | Waterproof stopper color | Wire Range | Insulation Diameter | Single core wire Core Diameter | Multi-core wire Core Diameter |
|----------------|-------|--------------------------|------------|---------------------|--------------------------------|-------------------------------|
| CPB101S1010-NH | 1.70 | Red | Awg18 | 2.00 | 1.02 | 1.20 max. |
| CPB101S1020-NH | 2.00 | Green | Awg16 | 2.25 | 1.29 | 1.35 max. |
| | | | Awg14 | 2.55 | 1.63 | 1.80 max. |

Ordering Code

①
②
③
④
⑤
⑥
⑦

CPB1
01
S
1
01
0
-NH

① Series No.

② No. of Circuits: 01

③ S = Housing

④ Plating Code : 1 = Tin over Nickel

⑤ DIM.A:
01= For Wire insulation O.D.=2.00mm
02= For Wire Insulation O.D.=2.25 and 2.55mm

⑥ Option : 0 = Standard

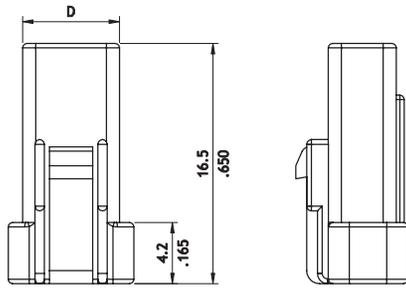
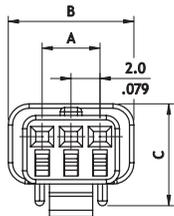
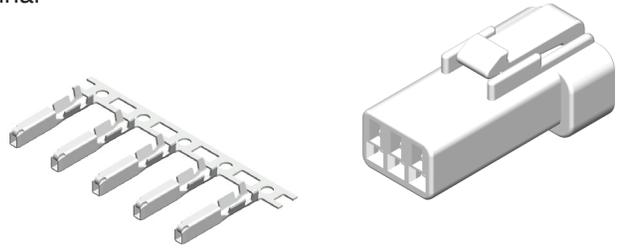
⑦ NH= For Lead Free soldering process and Halogen-Free

POWER CONNECTOR

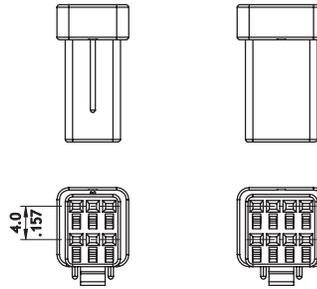
CPB2 Series 2.00mm (.079) Waterproof Connectors

- ⊙ Mate with CPB2 connector
- ⊙ Can be used with CPB2 Crimp Clip Receptacle terminal
- ⊙ Insulator : PBT UL94V-0, Nature Color
- ⊙ According to IEC 60529 IPX7

RoHS Compliance



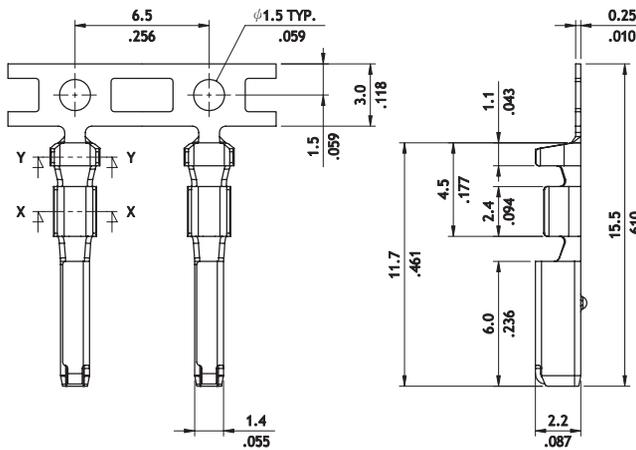
02-04 PIN



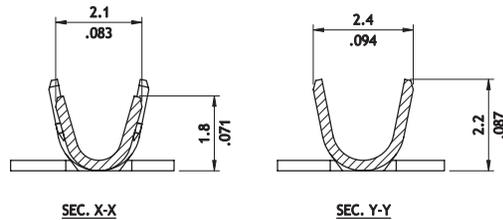
06 PIN

08 PIN

| Circuits | Dimension | | | |
|----------|-----------|------------|------------|-----------|
| | A | B | C | D |
| 2 | - | 6.7(.264) | 7.0(.276) | 4.7(.185) |
| 3 | 4.0(.157) | 8.7(.343) | 7.0(.276) | 6.7(.264) |
| 4 | 6.0(.236) | 10.7(.421) | 7.0(.276) | 8.7(.343) |
| 6 | 4.0(.157) | 8.7(.343) | 11.0(.433) | 6.7(.264) |
| 8 | 6.0(.236) | 10.7(.421) | 11.0(.433) | 8.7(.343) |



| Wire Range | Insulation Diameter | Reel Qty |
|-------------|---------------------|------------|
| AWG #22-#26 | 1.4-1.7mm | 10,000 PCS |



Ordering Code

① CPB2 ② 08 ③ S ④ 0 ⑤ R ⑥ 00

① CPB2 ② T02 ③ 1 ④ P ⑤ ES

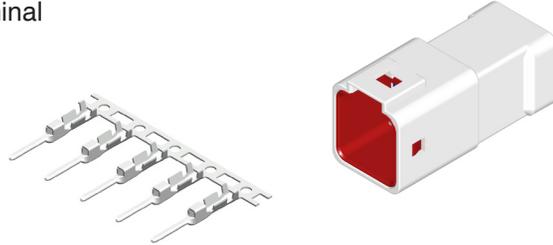
- ① Series No.
- ② No. of Circuits: 02 ,03 , 04 , 06 , 08
- ③ S = Receptacle
- ④ 0 = Single Row (2P, 3P, 4P only)
D= Dual Row (6P , 8P , only)
- ⑤ R=Rubber Seal
- ⑥ Other Options: 00= Standard

- ① Series No.
- ② Type:
T01 = AWG #22 ~ #26
- ③ Plating Code : 1 = Tin over Nickel

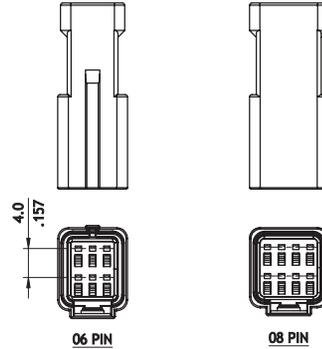
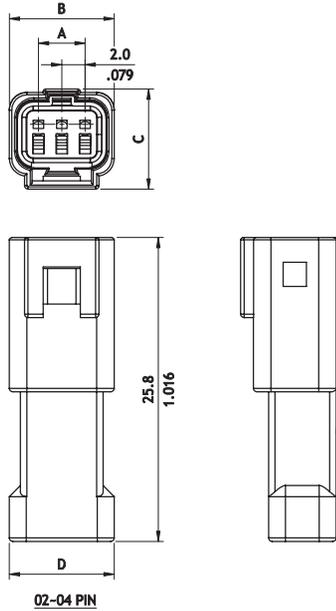
- ④ Material:
P = Phosphor Bronze
- ⑤ ES= Receptacle Terminal

CPB2 Series 2.00mm (.079) Waterproof Connectors

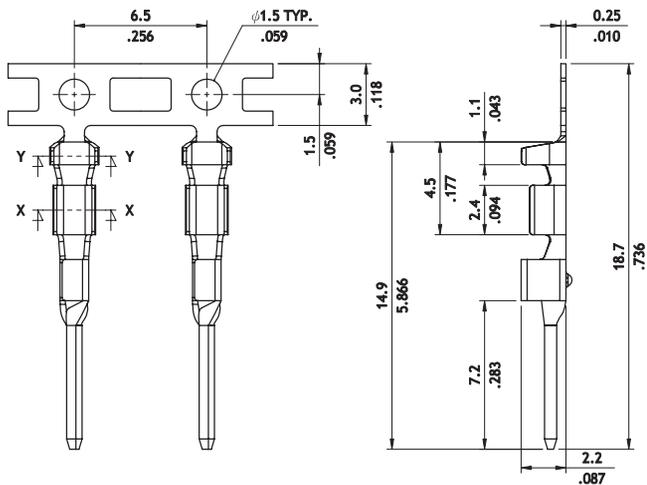
- ⊙ Mate with CPB2 connector
- ⊙ Can be used with CPB2 Crimp Clip Receptacle terminal
- ⊙ Insulator : PBT UL94V-0, Nature Color
- ⊙ According to IEC 60529 IPX7



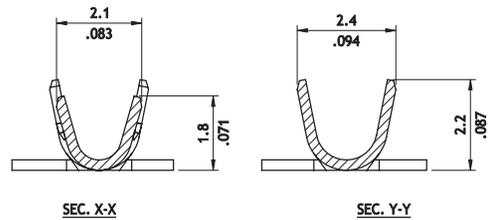
CP



| Circuits | Dimension | | | |
|----------|-----------|------------|------------|------------|
| | A | B | C | D |
| 2 | - | 7.0(.276) | 8.2(.323) | 7.0(.276) |
| 3 | 4.0(.157) | 9.0(.354) | 8.5(.335) | 9.0(.354) |
| 4 | 6.0(.236) | 11.0(.433) | 8.5(.335) | 11.0(.433) |
| 6 | 4.0(.157) | 9.8(.386) | 12.9(.508) | 9.0(.354) |
| 8 | 6.0(.236) | 11.0(.433) | 12.2(.480) | 11.0(.433) |



| Wire Range | Insulation Diameter | Reel Qty |
|-------------|---------------------|------------|
| AWG #22-#26 | 1.4-1.7mm | 10,000 PCS |



Ordering Code

① CPB2 ② 08 ③ P ④ -0 ⑤ R ⑥ 00

- ① Series No.
- ② No. of Circuits: 02 , 03 , 04 , 06 , 08
- ③ P = Plug Housing
- ④ 0 = Single Row (2P, 3P, 4P only)
D= Dual Row (6P , 8P , only)
- ⑤ R=Rubber Seal
- ⑥ Other Options: 00= Standard

① CPB2 ② T02 ③ 1 ④ B ⑤ P

- ① Series No.
- ② Type: T01 = AWG #22 ~ #26
- ③ Plating Code : 1 = Tin over Nickel
- ④ Material : B = Brass
- ⑤ PP= Plug Terminal

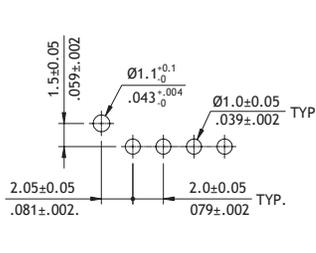
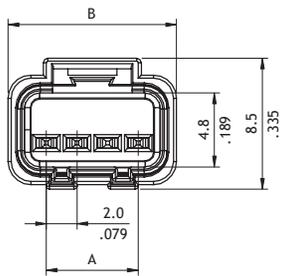
POWER CONNECTOR

CPB2 Series 2.00mm (.079) Waterproof Connectors

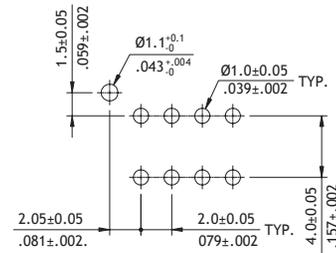
- ⊙ Mate with CPB2 connector
- ⊙ Can be used with CPB2 Crimp Clip Receptacle terminal
- ⊙ Insulator : PBT UL94V-0, Nature Color
- ⊙ According to IEC 60529 IPX7



RoHS Compliant

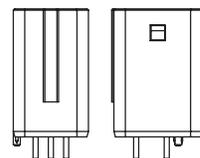
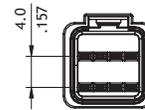
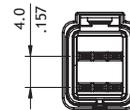
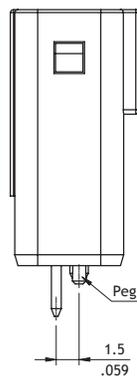
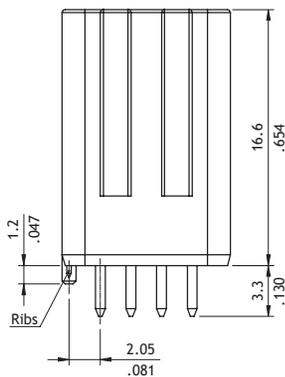


Recommended PCB board Layout
02,03,04 PIN

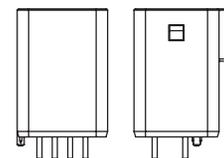


Recommended PCB board Layout
06,08P IN

| Circuits | Dimension | |
|----------|-----------|------------|
| | A | B |
| 2 | - | 7.0(.276) |
| 3 | 4.0(.157) | 9.0(.354) |
| 4 | 6.0(.236) | 11.0(.433) |
| 6 | 4.0(.157) | 9.8(.386) |
| 8 | 6.0(.236) | 11.0(.433) |



06 PIN



08 PIN

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
CPB2 04 S 1 V 0 A - NH

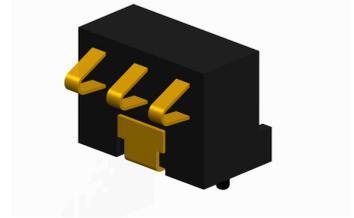
- ① Series No.
- ② No. of Circuits: 04
- ③ S = Single Row
- ④ Plating Code : 1 = Tin over Nickel

- ⑤ V = Straight
- ⑥ 0 = DIP Type
- ⑦ Other Option :
 0 = The Peg With Ribs (Standard)
 A = Ther Peg Without Ribs
- ⑧ NH= For Lead Free soldering process and Halogen-Free

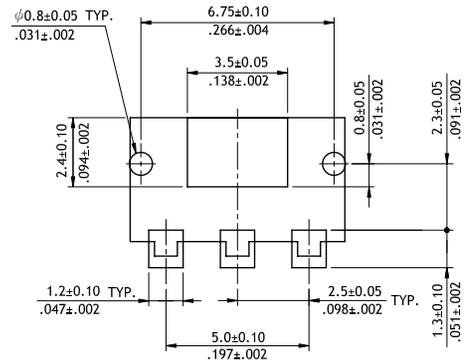
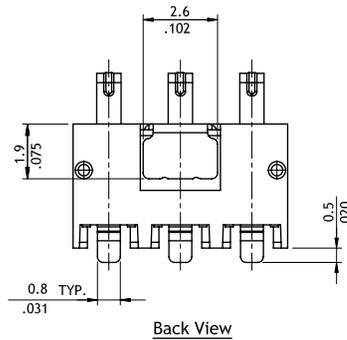
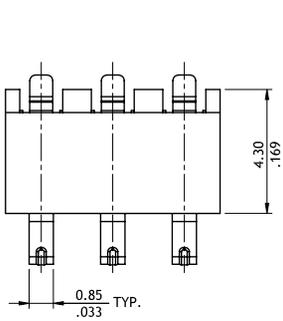
CP25 Series 2.50mm(.098") Receptacle Battery Connectors

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

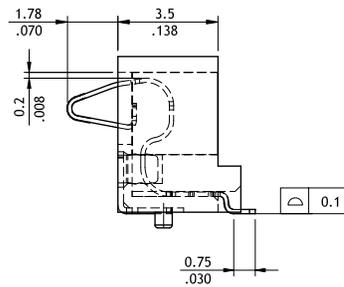
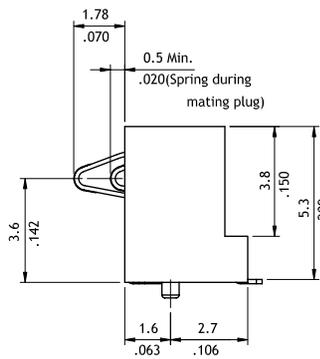
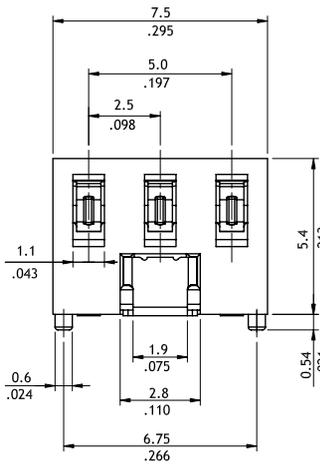
RoHS Compliant



CP



Recommended P.C Board Layout
Thickness: 0.80mm



Ordering Code

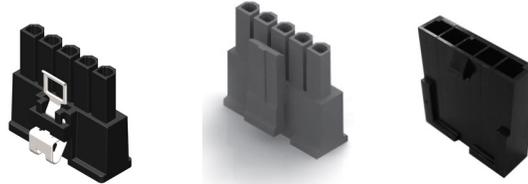
| | | | | | | |
|------|----|---|---|---|---|---|
| ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ |
| CP25 | 03 | S | 2 | M | R | B |

- ① Series No.
- ② No. of Circuits: 3
- ③ S = Receptacle
- ④ Plating Code : 2 = Gold flash over Nickel

- ⑤ Type: M = SMT Type
- ⑥ Packing option: R= Tape & Reel
- ⑦ Other Options: B: Height = 5.4mm

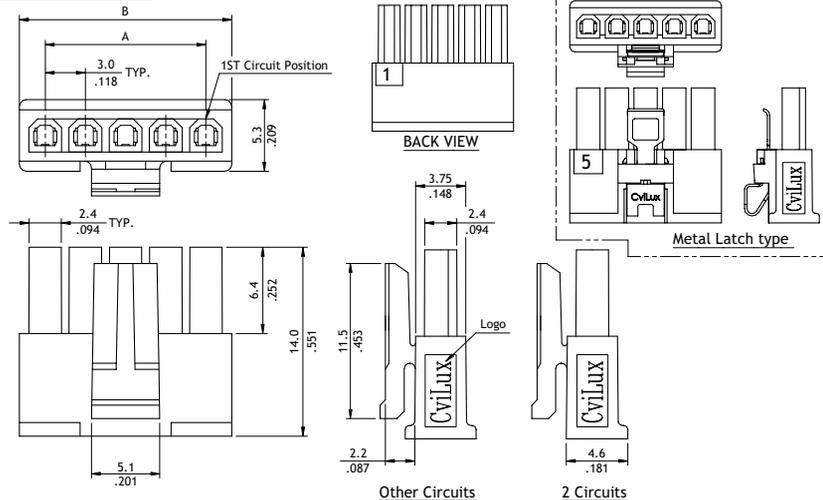
CP35 Series 3.00mm(.118") Single Row Housing Connectors

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



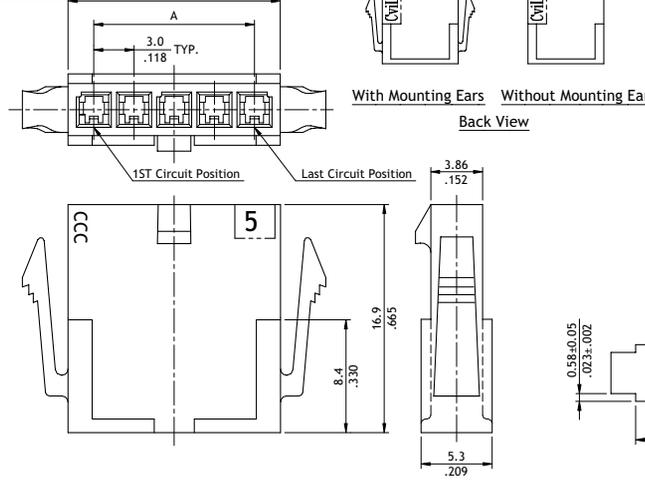
RoHS Compliant

P/N CP35**S001S-NH

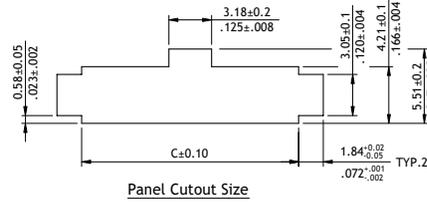


| Circuits | Dimension | |
|----------|-------------|-------------|
| | A | B |
| 2 | 3.0(.118) | 6.9(.272) |
| 3 | 6.0(.236) | 9.9(.390) |
| 4 | 9.0(.354) | 12.9(.508) |
| 5 | 12.0(.472) | 15.9(.626) |
| 6 | 15.0(.591) | 18.9(.744) |
| 7 | 18.0(.709) | 21.9(.862) |
| 8 | 21.0(.827) | 24.9(.980) |
| 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-NH



| 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) |



Ordering Code

① CP 35 ② 12 ③ S ④ 001 ⑤ S - NH ① CP 35 ② 12 ③ P ④ 0 ⑤ 0 ⑥ 1 ⑦ S - NH

- ① Series No.
- ② No. of Circuits: 02 ~ 12
- ③ Type: S = Receptacle
- ④ Color: 001 = Color Black
- ⑤ Other Options: S = Single Row Type
- ⑥ NH = For Lead Free soldering process and Halogen-Free

- ① Series No.
- ② No. of Circuits: 02 ~ 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
- ⑦ NH = For Lead Free soldering process and Halogen-Free

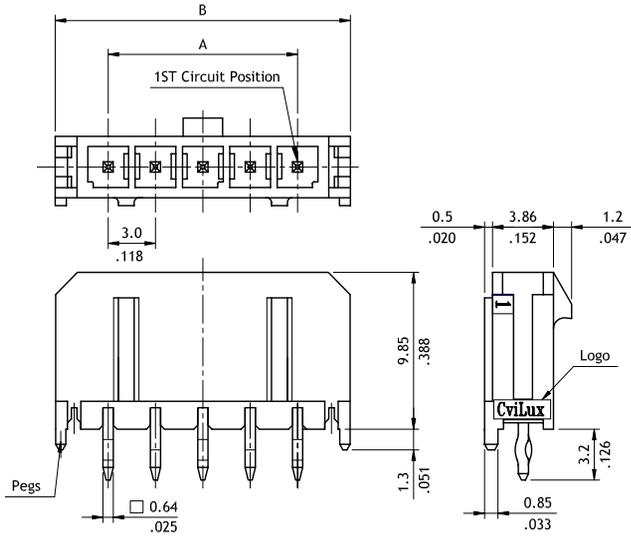
CP35 Series 3.00mm(.118") Single Row Board Mount Headers

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

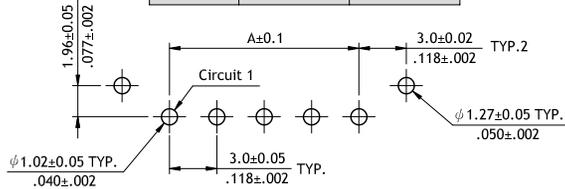
RoHS Compliant 



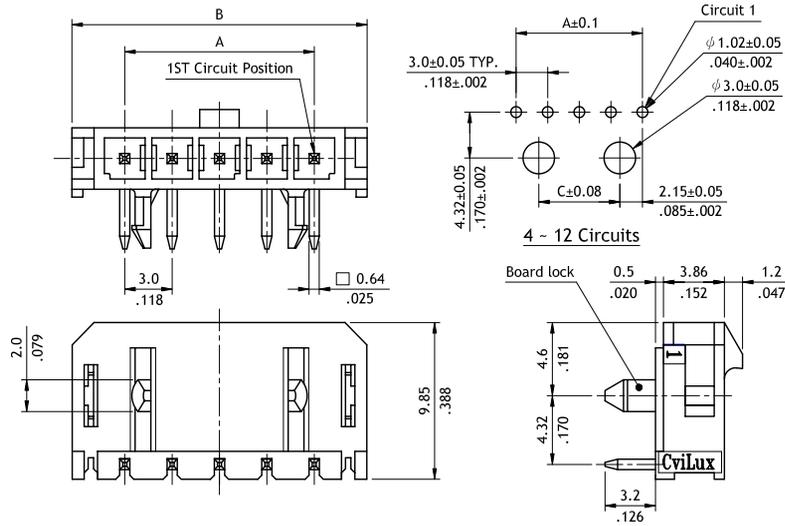
CP



| Circuits | Dimension | |
|----------|-------------|--------------|
| | A | B |
| 2 | 3.0(.118) | 9.65(.380) |
| 3 | 6.0(.236) | 12.65(.498) |
| 4 | 9.0(.354) | 15.65(.616) |
| 5 | 12.0(.472) | 18.65(.734) |
| 6 | 15.0(.591) | 21.65(.852) |
| 7 | 18.0(.709) | 24.65(.970) |
| 8 | 21.0(.827) | 27.65(1.089) |
| 9 | 24.0(.945) | 30.65(1.207) |
| 10 | 27.0(1.063) | 33.65(1.325) |
| 11 | 30.0(1.181) | 36.65(1.443) |
| 12 | 33.0(1.299) | 39.65(1.561) |



Recommended P.C. Board layout



| Circuits | Dimension | | |
|----------|-------------|--------------|-------------|
| | A | B | C |
| 2 | 3.0(.118) | 9.65(.380) | — |
| 3 | 6.0(.236) | 12.65(.498) | — |
| 4 | 9.0(.354) | 15.65(.616) | 4.7(.185) |
| 5 | 12.0(.472) | 18.65(.734) | 7.7(.303) |
| 6 | 15.0(.591) | 21.65(.852) | 10.7(.421) |
| 7 | 18.0(.709) | 24.65(.970) | 13.7(.539) |
| 8 | 21.0(.827) | 27.65(1.089) | 16.7(.657) |
| 9 | 24.0(.945) | 30.65(1.207) | 19.7(.776) |
| 10 | 27.0(1.063) | 33.65(1.325) | 22.7(.894) |
| 11 | 30.0(1.181) | 36.65(1.443) | 25.7(1.012) |
| 12 | 33.0(1.299) | 39.65(1.561) | 28.7(1.130) |

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 ~ 12
- ③ P = Plug
- ④ Plating Code : 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

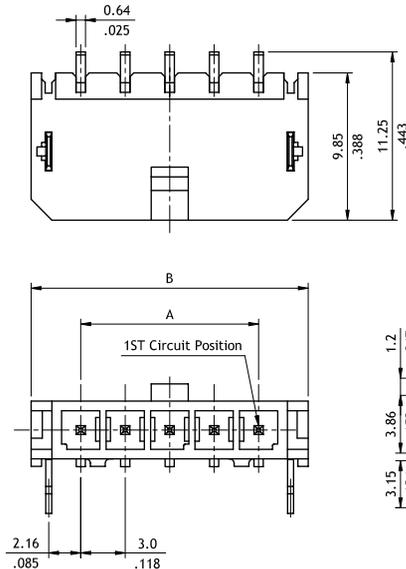
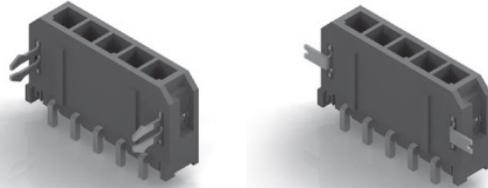
- ⑦ Other Options:
 0 = With pegs (Straight)
 0 = With plastic board lock (Right Angle)
- ⑧ S= Single Row Header
- ⑨ NH = For Lead Free soldering process and Halogen-Free

POWER CONNECTOR

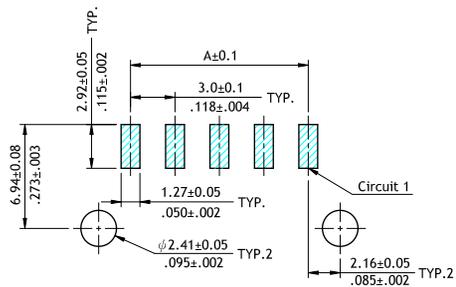
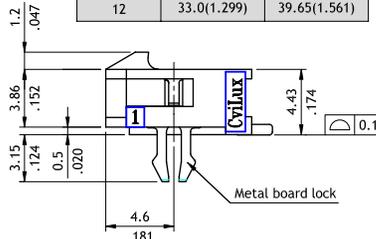
CP35 Series 3.00mm (.118") Single Row Side Entry SMT Headers

- ⊙ Mates with CP35 Connector
- ⊙ Shrouded header with PCB board locks or fixed tabs
- ⊙ High temperature plastic for SMT process

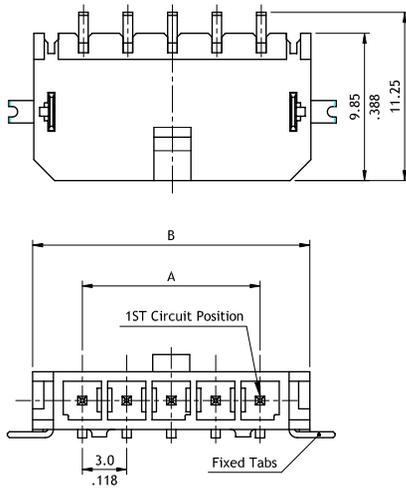
RoHS Compliant



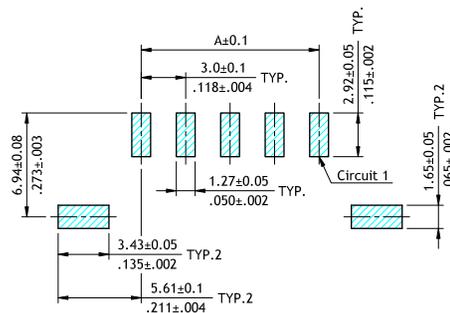
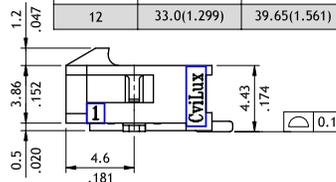
| Circuits | Dimension | |
|----------|-------------|--------------|
| | A | B |
| 2 | 3.0(.118) | 9.65(.380) |
| 3 | 6.0(.236) | 12.65(.498) |
| 4 | 9.0(.354) | 15.65(.616) |
| 5 | 12.0(.472) | 18.65(.734) |
| 6 | 15.0(.591) | 21.65(.852) |
| 7 | 18.0(.709) | 24.65(.970) |
| 8 | 21.0(.827) | 27.65(1.089) |
| 9 | 24.0(.945) | 30.65(1.207) |
| 10 | 27.0(1.063) | 33.65(1.325) |
| 11 | 30.0(1.181) | 36.65(1.443) |
| 12 | 33.0(1.299) | 39.65(1.561) |



Recommended P.C. Board Layout



| Circuits | Dimension | |
|----------|-------------|--------------|
| | A | B |
| 2 | 3.0(.118) | 9.65(.380) |
| 3 | 6.0(.236) | 12.65(.498) |
| 4 | 9.0(.354) | 15.65(.616) |
| 5 | 12.0(.472) | 18.65(.734) |
| 6 | 15.0(.591) | 21.65(.852) |
| 7 | 18.0(.709) | 24.65(.970) |
| 8 | 21.0(.827) | 27.65(1.089) |
| 9 | 24.0(.945) | 30.65(1.207) |
| 10 | 27.0(1.063) | 33.65(1.325) |
| 11 | 30.0(1.181) | 36.65(1.443) |
| 12 | 33.0(1.299) | 39.65(1.561) |



Recommended P.C. Board Layout

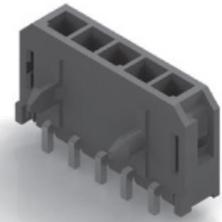
Ordering Code

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

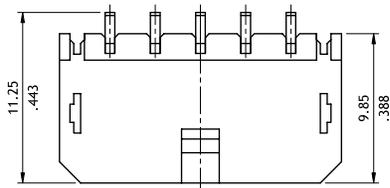
- ① Series No.
- ② No. of Circuits: 02 ~ 12
- ③ P = Plug
- ④ Plating Code : 1 = Matte Tin over Nickel
*Optional plating available but MOQ requested
- ⑤ Contact Type: H = Side Entry
- ⑥ Mount Type: S = SMT Type
- ⑦ Other Options:
0 = With Metal board lock
T = With Fixed Tabs (Available for Tape & Reel)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

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

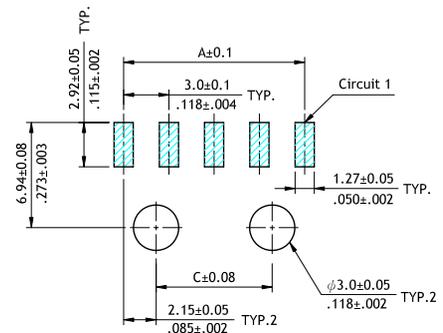
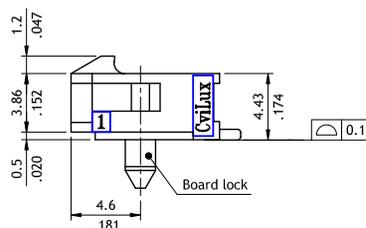
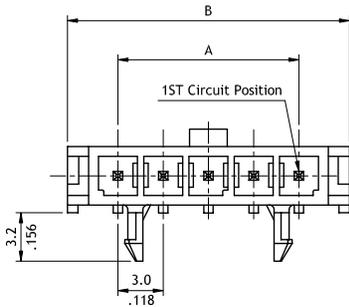
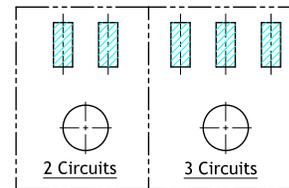
- ⊙ Mates with CP35 Connector
- ⊙ Shrouded header with board locks
- ⊙ High temperature plastic for SMT process



CP



| Circuits | Dimension | | |
|----------|-------------|--------------|-------------|
| | A | B | C |
| 2 | 3.0(.118) | 9.65(.380) | — |
| 3 | 6.0(.236) | 12.65(.498) | — |
| 4 | 9.0(.354) | 15.65(.616) | 4.7(.185) |
| 5 | 12.0(.472) | 18.65(.734) | 7.7(.303) |
| 6 | 15.0(.591) | 21.65(.852) | 10.7(.421) |
| 7 | 18.0(.709) | 24.65(.970) | 13.7(.539) |
| 8 | 21.0(.827) | 27.65(1.089) | 16.7(.657) |
| 9 | 24.0(.945) | 30.65(1.207) | 19.7(.776) |
| 10 | 27.0(1.063) | 33.65(1.325) | 22.7(.894) |
| 11 | 30.0(1.181) | 36.65(1.443) | 25.7(1.012) |
| 12 | 33.0(1.299) | 39.65(1.561) | 28.7(1.130) |



Recommended P.C. Board 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 ~ 12
- ③ P = Plug
- ④ Plating Code : 1 = Matte Tin over Nickel
 *Optional plating available but MOQ requested
- ⑤ Contact Type: H = Side Entry
- ⑥ Mount Type: S = SMT Type

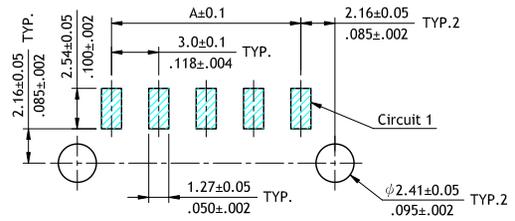
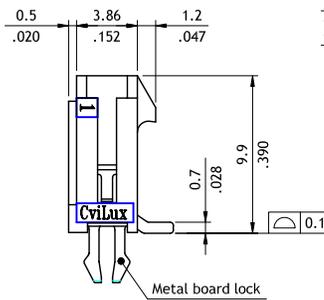
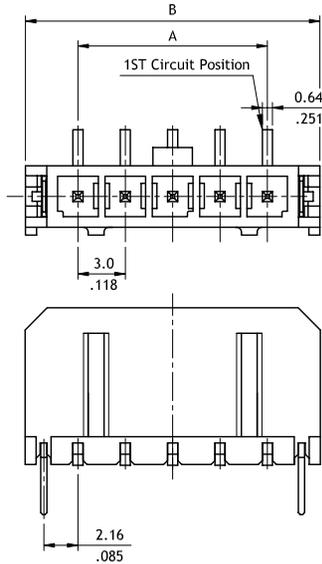
- ⑦ Other Options:
 P = With plastic board lock
- ⑧ S= Single Row Header
- ⑨ NH = For Lead Free soldering process and Halogen-Free

POWER CONNECTOR

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

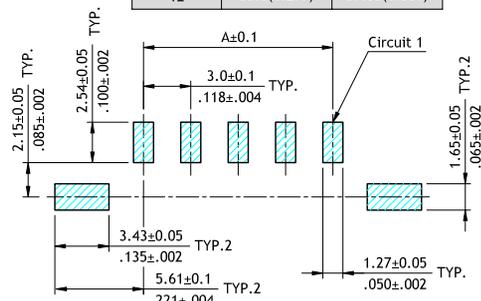
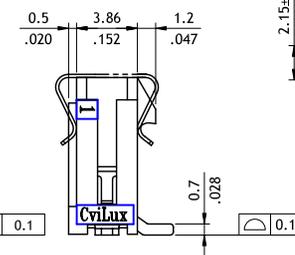
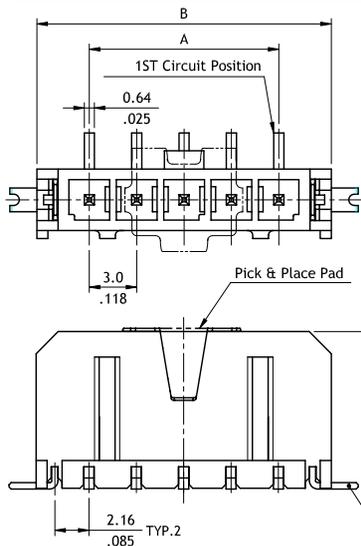
- ⊙ Mates with CP35 Connector
- ⊙ Shrouded header with board locks or fixed tabs.
- ⊙ With metal pick and place Pad
- ⊙ High temperature plastic for SMT process

RoHS Compliant



Recommended P.C. Board Layout

| Circuits | Dimension | |
|----------|-------------|--------------|
| | A | B |
| 2 | 3.0(.118) | 9.65(.380) |
| 3 | 6.0(.236) | 12.65(.498) |
| 4 | 9.0(.354) | 15.65(.616) |
| 5 | 12.0(.472) | 18.65(.734) |
| 6 | 15.0(.591) | 21.65(.852) |
| 7 | 18.0(.709) | 24.65(.970) |
| 8 | 21.0(.827) | 27.65(1.089) |
| 9 | 24.0(.945) | 30.65(1.207) |
| 10 | 27.0(1.063) | 33.65(1.325) |
| 11 | 30.0(1.181) | 36.65(1.443) |
| 12 | 33.0(1.299) | 39.65(1.561) |



Recommended P.C. Board Layout

Ordering Code

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

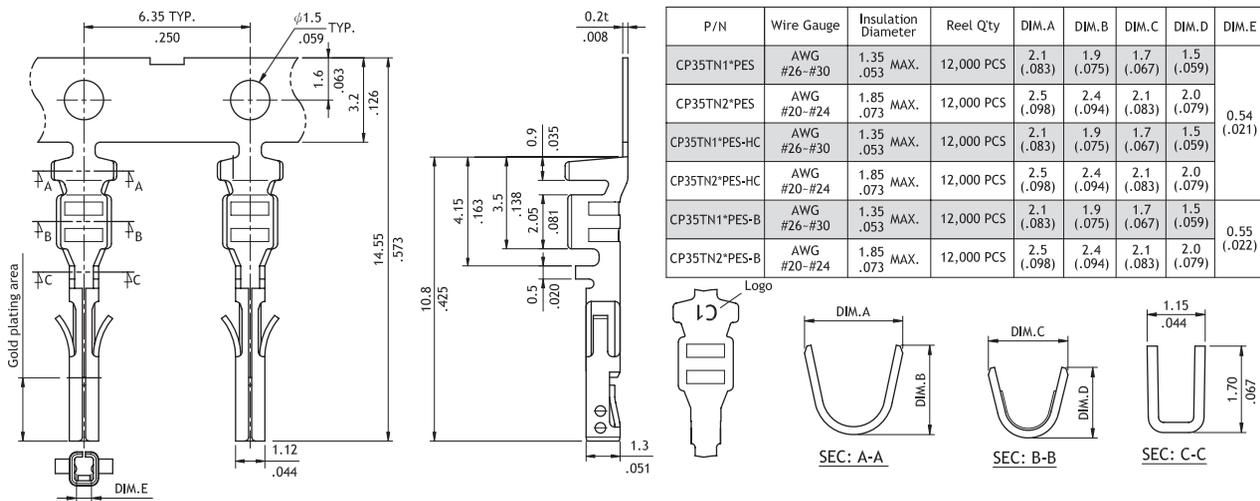
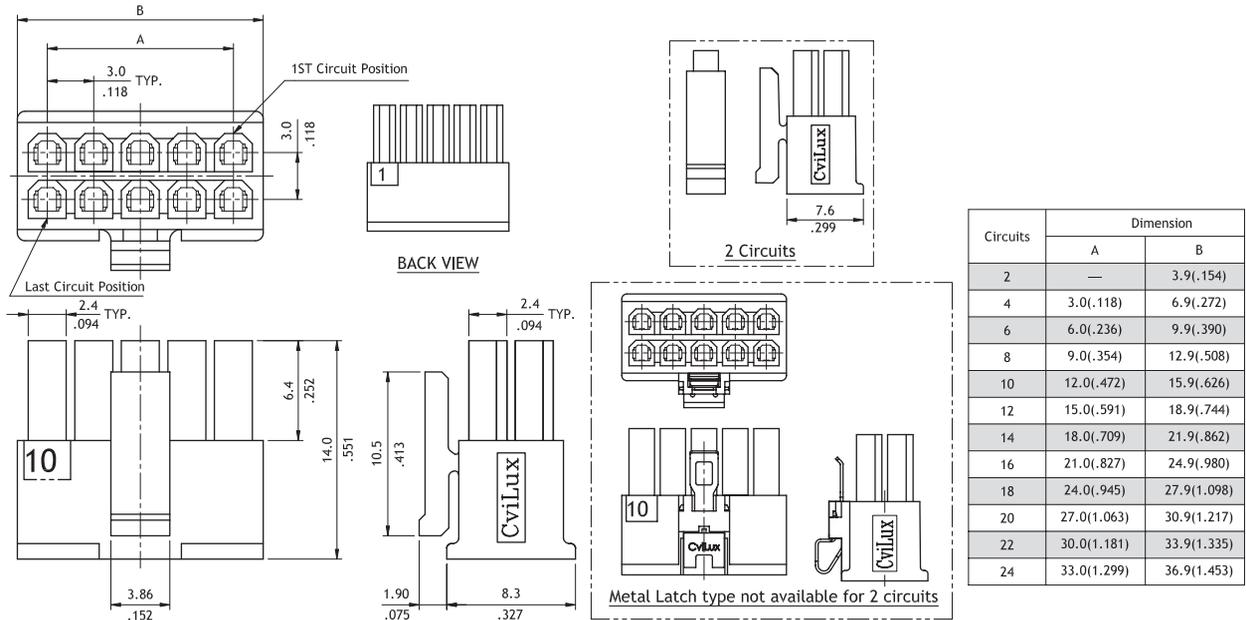
- ① Series No.
- ② No. of Circuits: 02 ~12
- ③ P = Plug
- ④ Plating Code : 1 = Matte Tin over Nickel
 *Optional plating available but MOQ requested
- ⑤ Contact Type: V = Top Entry
- ⑥ Mount Type: S = SMT Type
- ⑦ Other Options:
 0 = With Metal board locks
 T = With Fixed Tabs (Available for Tape & Reel)
- ⑧ S= Single Row Header
- ⑨ 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 with CP35 Crimp Terminal
- ⊙ Terminal accommodated AWG #20 ~ #30



RoHS Compliant



Ordering Code

- ① CP35 ② 24 ③ S ④ 00 ⑤ 10 - NH ⑥ CP35 ⑦ TN2 ⑧ 1 ⑨ P ⑩ ES
- ① Series No.
 - ② No. of Circuits: 02 ~ 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
 - ⑦ NH = For Lead Free soldering process and Halogen-Free
 - ⑧ Series No.
 - ⑨ Wire Range:
TN1 = AWG #26 ~ #30
TN2 = AWG #20 ~ #24
 - ⑩ Plating Code :
1 = Tin over Nickel
A = Selective Gold flash over Nickel
*Optional plating available but MOQ requested
 - ⑪ Material:
P = Phosphor Bronze
 - ⑫ Style:
ES = Receptacle Terminal
ES-B = Receptacle Terminal (Low insertion Force)
ES-HC = For high current required

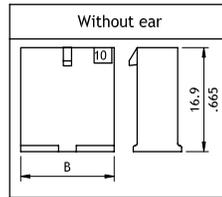
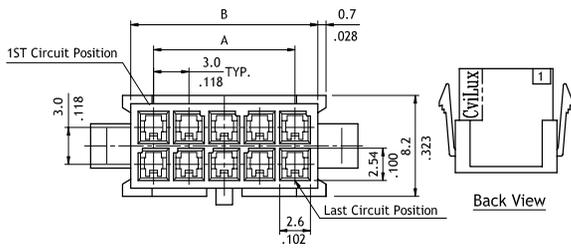
CP

POWER CONNECTOR

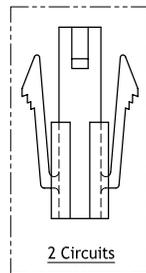
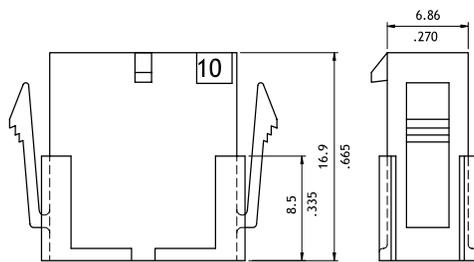
CP35 Series 3.00mm(.118") Dual Row Plug Connectors

- ⊙ With mounting ears
- ⊙ Available in 2 through 24 circuits
- ⊙ Can be used with CP35 Crimp terminal
- ⊙ Accommodated AWG #20 ~ #30

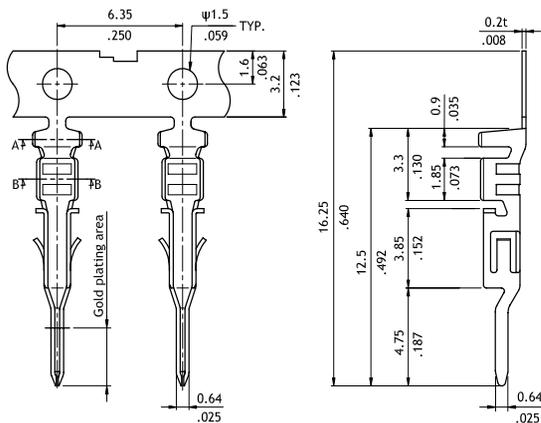
RoHS Compliant



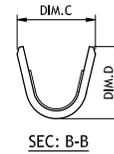
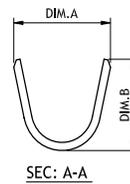
| Circuits | Dimension | | |
|----------|-------------|-------------|--------------|
| | A | B | C |
| 2 | — | 3.9(.154) | 4.09(.161) |
| 4 | 3.0(.118) | 6.9(.272) | 7.09(.279) |
| 6 | 6.0(.236) | 9.9(.390) | 10.08(.397) |
| 8 | 9.0(.354) | 12.9(.508) | 13.08(.515) |
| 10 | 12.0(.472) | 15.9(.626) | 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) | 28.07(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 | 1.85 .073 MAX. | 12,000 PCS | 2.5 (.098) | 2.4 (.094) | 2.1 (.083) | 2.0 (.079) |



Ordering Code

① CP35 ② 24 ③ P ④ 001 ⑤ 0 - NH

- ① Series No.
- ② No. of Circuits: 02 ~24
- ③ P = Plug
- ④ Color: 001 = Color Black
- ⑤ Other Options:
0 = Standard ; B = Without Ear
- ⑥ NH = For Lead Free soldering process and Halogen-Free

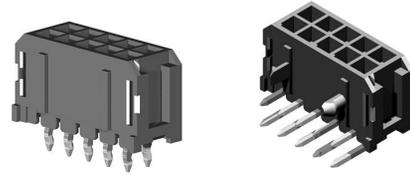
① CP35 ② TN2 ③ 1 ④ P ⑤ EP

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

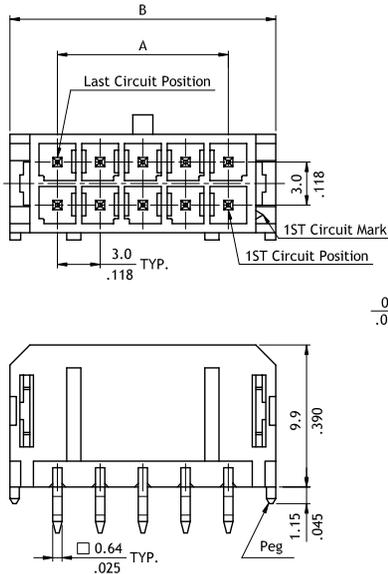
CP35 Series 3.00mm (.118") Dual Row Board Mount Headers

- ⊙ Mate with CP35 Connector
- ⊙ Shrouded header with PCB mounting pegs or board locks
- ⊙ Available straight and right angle solder tails

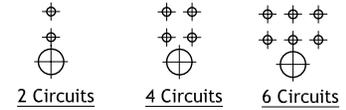
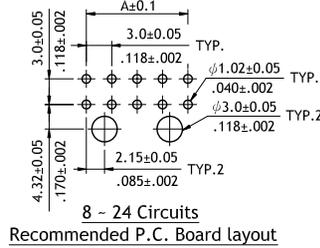
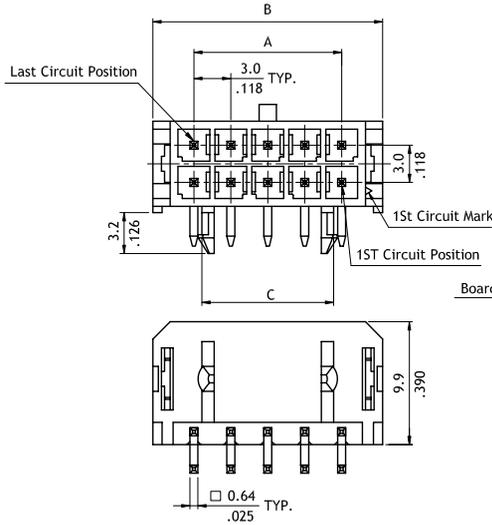
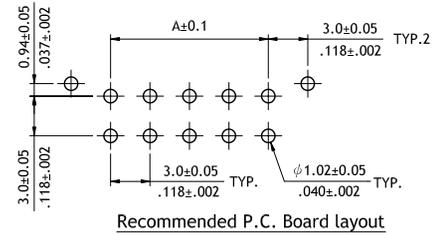
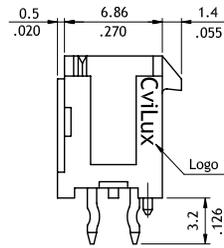
RoHS Compliant 



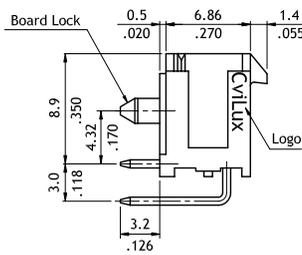
CP



| 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) | 3.0(.118) |
| 4 | 3.0(.118) | 9.7(.382) | 3.0(.118) |
| 6 | 6.0(.236) | 12.7(.500) | 3.0(.118) |
| 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 CP ② 35 ③ 24 ④ P ⑤ 1 ⑥ V ⑦ 0 ⑧ 0 - NH

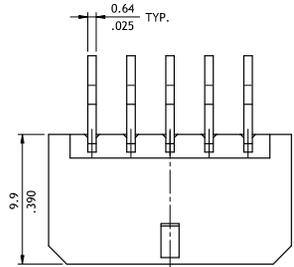
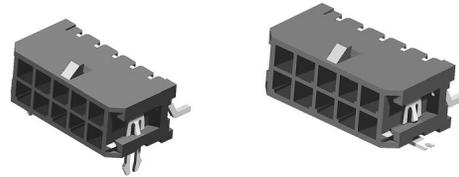
- ① Series No.
- ② No. of Circuits: 02 ~ 24
- ③ P = Plug
- ④ Plating Code :
 - 1 = Matte Tin over Nickel
 - A = Selective Gold flash over Nickel
 - B = Selective 15µ" Gold flash over Nickel
- *Optional plating available but MOQ requested
- ⑤ Contact Type : V = Straight , H = Right Angle
- ⑥ Mount Type : 0 = DIP Type
- ⑦ Other Options:
 - 0 = With pegs (Straight)
 - 0 = With plastic board locks (Right Angle)
- ⑧ NH = For Lead Free soldering process and Halogen-Free

POWER CONNECTOR

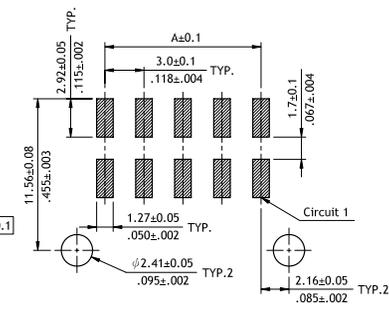
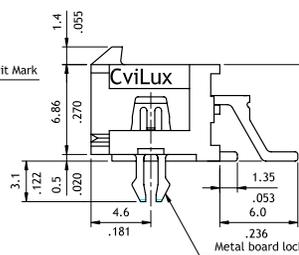
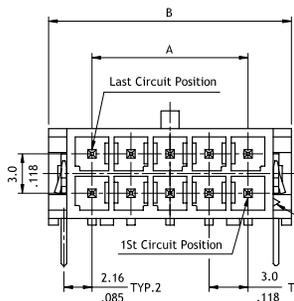
CP35 Series 3.00mm(.118") Dual Row Side Entry SMT Headers

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

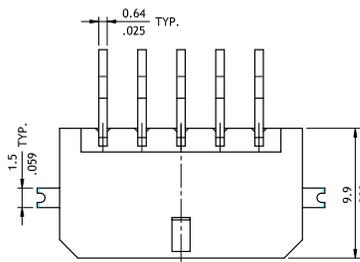
RoHS Compliant



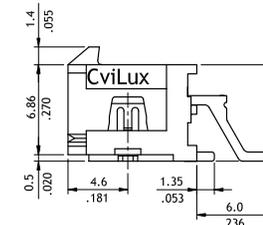
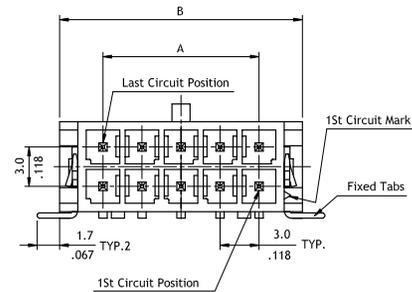
| Circuits | Dimension | |
|----------|-------------|-------------|
| | A | B |
| 2 | — | 6.7(.264) |
| 4 | 3.0(.118) | 9.7(.382) |
| 6 | 6.0(.236) | 12.7(.500) |
| 8 | 9.0(.354) | 15.7(.618) |
| 10 | 12.0(.472) | 18.7(.657) |
| 12 | 15.0(.591) | 21.7(.854) |
| 14 | 18.0(.709) | 24.7(.972) |
| 16 | 21.0(.827) | 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 P.C. Board Layout



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



Recommended P.C. Board Layout

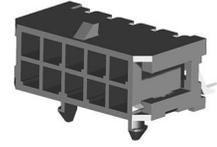
Ordering Code

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

- ① Series No.
- ② No. of Circuits: 02 ~ 24
- ③ P = Plug
- ④ Plating Code : 1 = Matte Tin over Nickel
 A = Selective Gold flash 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
 T = With Fixed Tabs
- ⑧ NH = For Lead Free soldering process and Halogen-Free

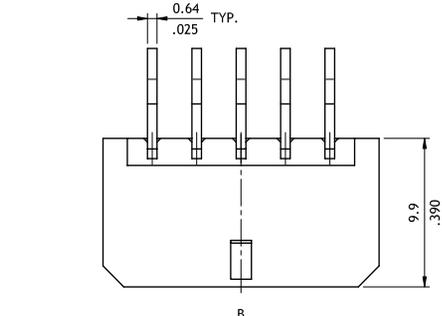
CP35 Series 3.00mm(.118") Dual Row Side Entry SMT Headers

- ⊙ Mate with CP35 Connector
- ⊙ Shrouded header with board locks
- ⊙ High temperature plastic for SMT process

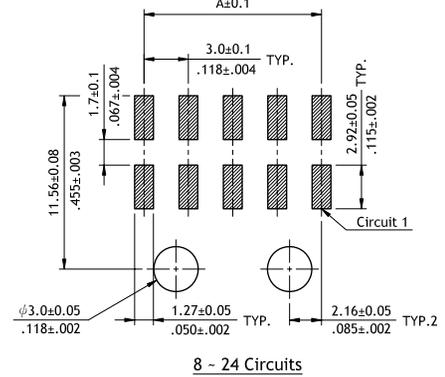
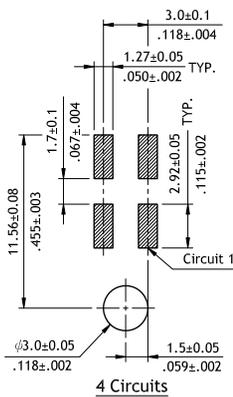
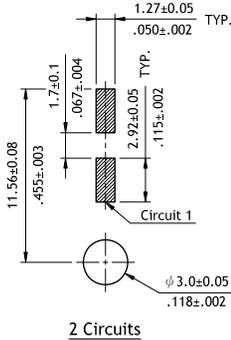
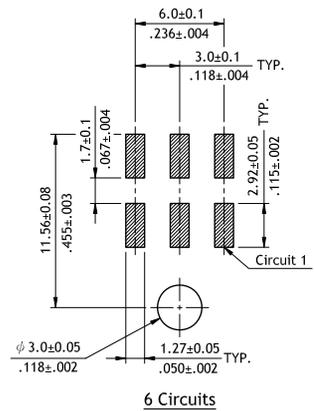
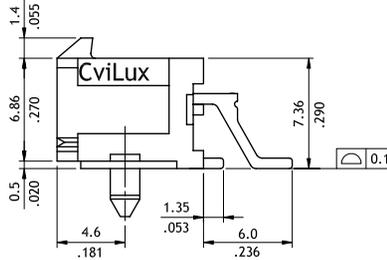
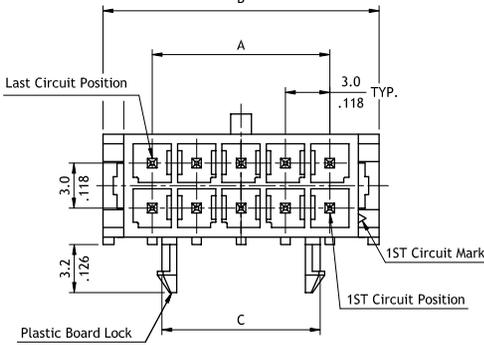


RoHS Compliant

CP



| Circuits | Dimension | | |
|----------|-------------|-------------|-------------|
| | A | B | C |
| 2 | — | 6.7(.264) | 3.0(.118) |
| 4 | 3.0(.118) | 9.7(.382) | 3.0(.118) |
| 6 | 6.0(.236) | 12.7(.500) | 3.0(.118) |
| 8 | 9.0(.354) | 15.7(.618) | 7.7(.303) |
| 10 | 12.0(.472) | 18.7(.736) | 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) |



Recommended P.C. Board Layout

Ordering Code

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

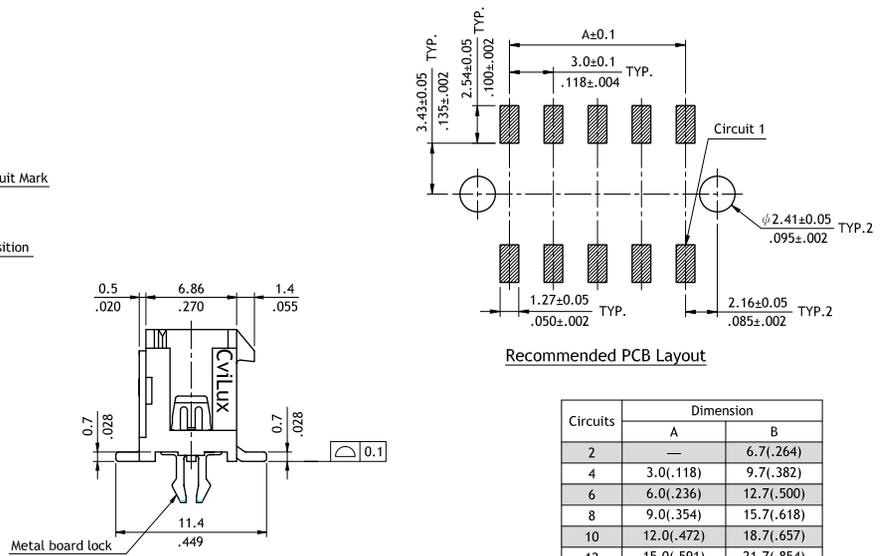
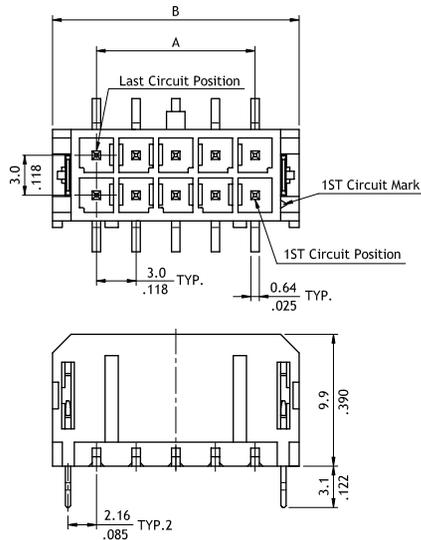
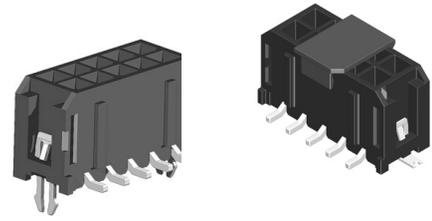
- ① Series No.
- ② No. of Circuits: 02 ~ 24
- ③ P = Plug
- ④ Plating Code : 1 = Matte Tin over Nickel
 A = Selective Gold flash over Nickel
 *Optional plating available but MOQ requested
- ⑤ Contact Type: H = Side Entry
- ⑥ Mount Type:
 S = SMT Type
- ⑦ Other Options:
 P = With plastic board lock
- ⑧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

POWER CONNECTOR

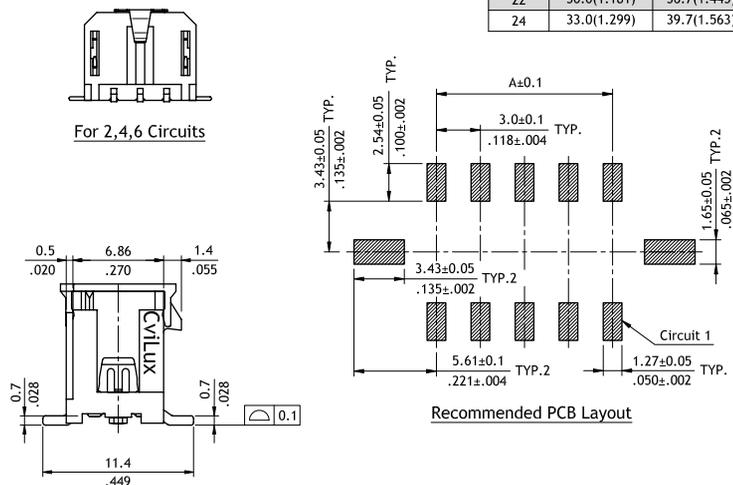
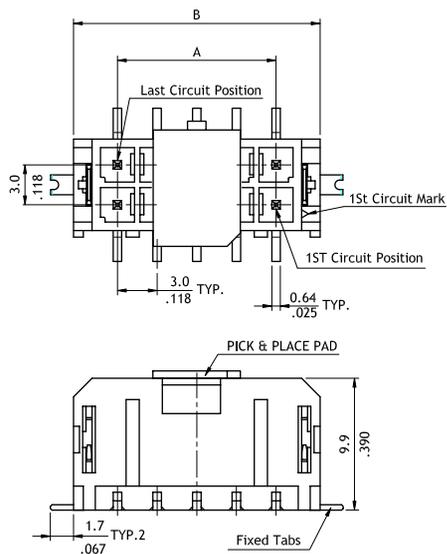
CP35 Series 3.00mm(.118") Dual Row Top Entry SMT Headers

- ⊙ 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



| 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) |



Ordering Code

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

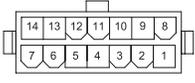
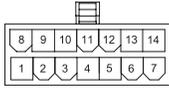
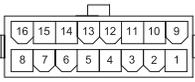
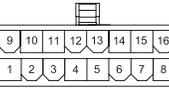
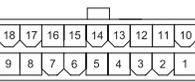
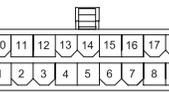
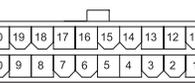
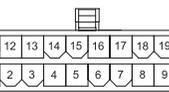
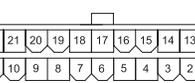
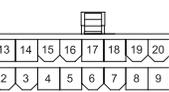
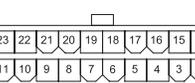
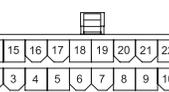
- ① Series No.
- ② No. of Circuits: 02 ~24
- ③ P = Plug
- ④ Plating Code : 1 = Matte Tin over Nickel
 A = Selective Gold flash over Nickel
 *Optional available but MOQ requested
- ⑤ Contact Type: V = Top Entry
- ⑥ Mount Type: S = SMT Type
- ⑦ Other Options:
 0 = With Metal board lock
 T = With Fixed Tabs
 (Available for Tape & Reel packing)
- ⑧ 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

POWER CONNECTOR

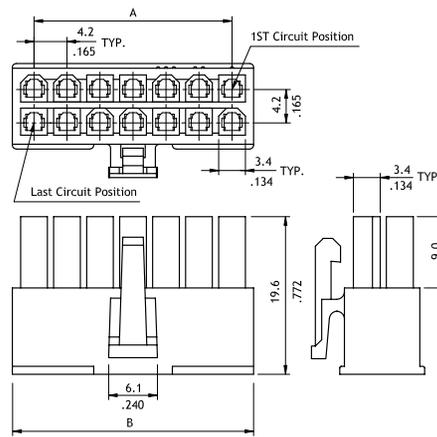
CP-011 Series 4.20mm (.165") Receptacle Connectors

- ⊙ 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 with CP-011 crimp terminal Terminal
- ⊙ Accommodated AWG #16 ~ #26
- ⊙ Glow Wire test material available



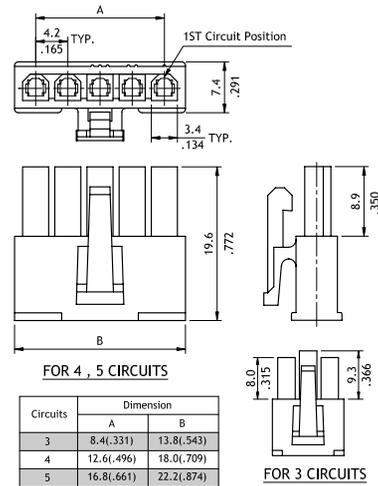
RoHS Compliant

P/N CP-011**0*0

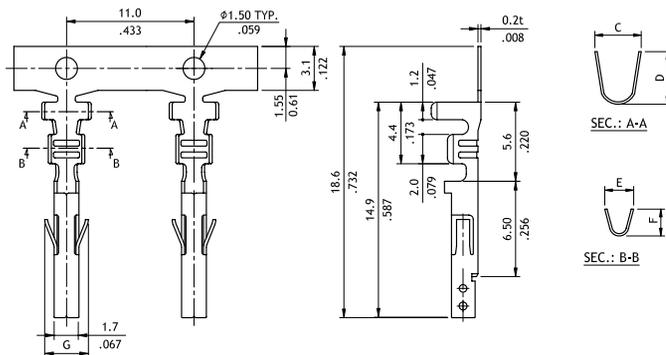


| Circuits | Dimension | |
|----------|-------------|-------------|
| | A | B |
| 2 | - | 5.5(.217) |
| 4 | 4.2(.165) | 9.7(.382) |
| 6 | 8.4(.331) | 13.9(.547) |
| 8 | 12.6(.496) | 18.1(.713) |
| 10 | 16.8(.661) | 22.3(.878) |
| 12 | 21.0(.827) | 26.5(1.043) |
| 14 | 25.2(.992) | 30.7(1.209) |
| 16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

P/N CP-011**0*S



| 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) |



| Part No. | Wire Range | Dimension | | | | | Insulation Range | Material | Reel Qty |
|----------------|------------|-----------|-----------|-----------|-----------|-----------|--------------------|---------------------------------------|-----------|
| | | C | D | E | F | G | | | |
| CP-01100*01 | 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-01100*02 | 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-01100*03 | 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-01100*04 | 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-01100*05 | 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-01100*06 | 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

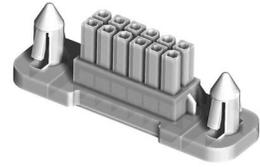
- ① Series No.
- ② Connector Type: 1 = Receptacle
- ③ No. of Circuits : 02 ~ 24 (Dual Row)
03 ~ 05 (Single Row)
- ④ Plating Code: 0 = Non plating
- ⑤ Variation:
1 = UL 94V-2 ; 6 = UL 94V-2, BMI Type
3 = UL 94V-0 ; 7 = UL 94V-0, BMI Type
E = Glow wire test approval
- ⑥ Other Options: 0 = Dual Row
S =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

*Special options consult manufacturer

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

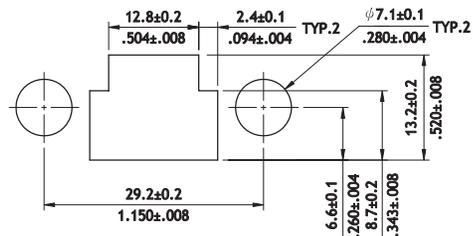
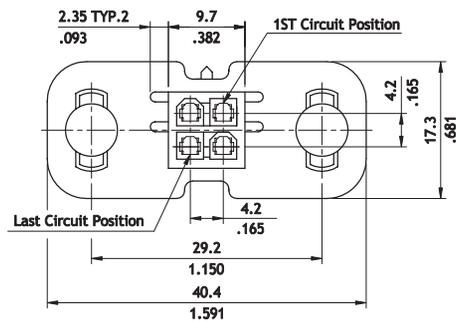
- ⊙ Mates with CP-012, CP-013 or CP-014 connector
- ⊙ Nylon 66 UL 94V-0 or V-2 insulator material
- ⊙ Can be used with CP-011 crimp terminal
- ⊙ Terminal accommodated AWG #16 ~ #26

RoHS Compliant 

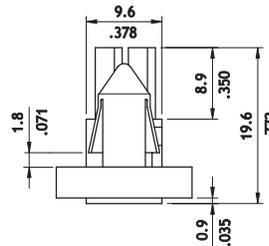
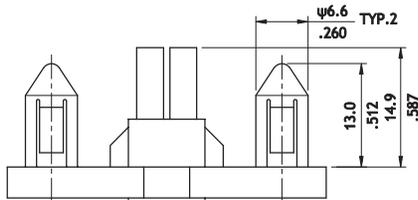


CP

P/N CP-01104060 / CP-01104070



Panel Cutout (Panel Thickness= 1.6±0.05mm)

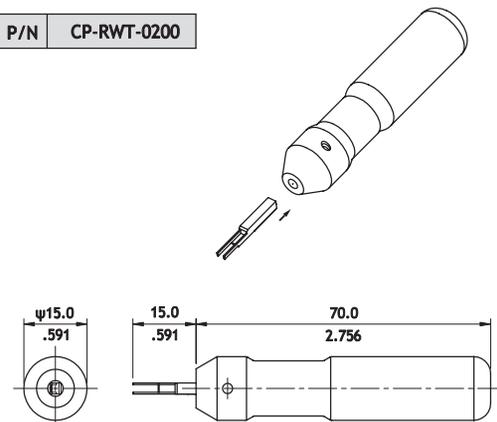
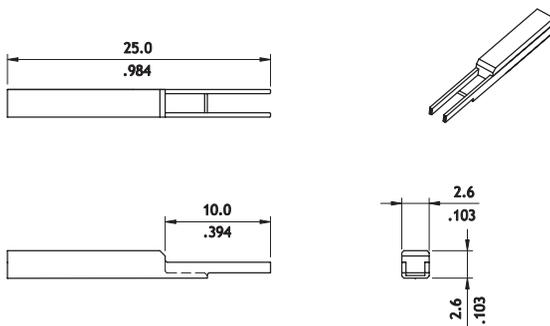


CP-01 Series Extractor Hand Tool

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

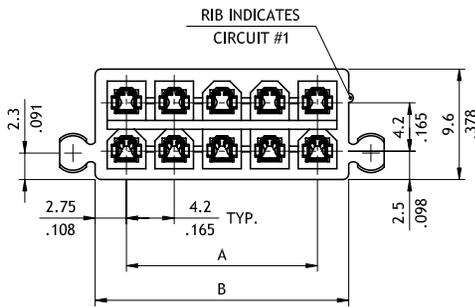
P/N CP-RWT-0201

P/N CP-RWT-0200

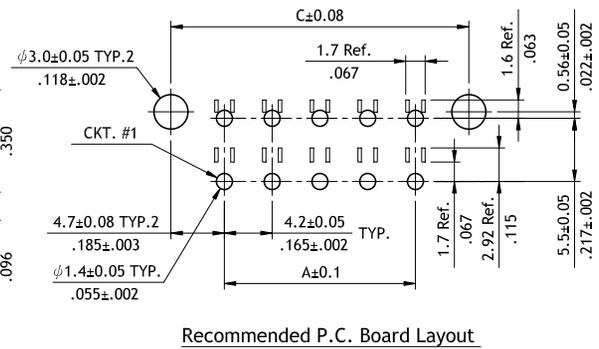
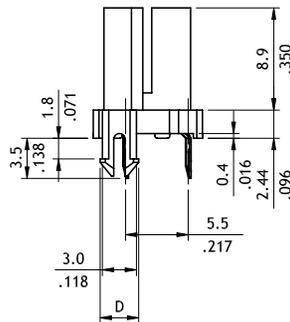
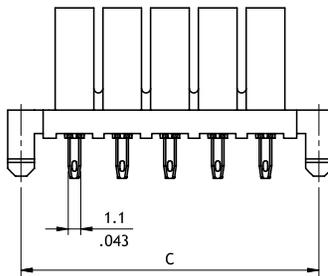


CP-011 Series 4.20mm (.165") Receptacle Board Mount Connectors

- ⊙ 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



| 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) |

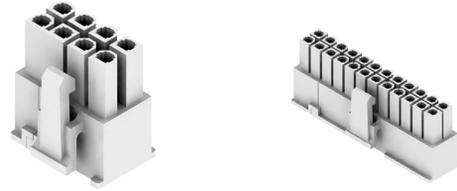


| Ordering Code | | ① | ② | ③ | ④ | ⑤ | ⑥ |
|---------------|--|---|----|---|---|---|---|
| CP - 01 | | 1 | 24 | 1 | 1 | 0 | |

① Series No.
 ② Connector Type:
 1 = Receptacle
 ③ No. of Circuits : 02 ~ 24
 ④ Plating Code : 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

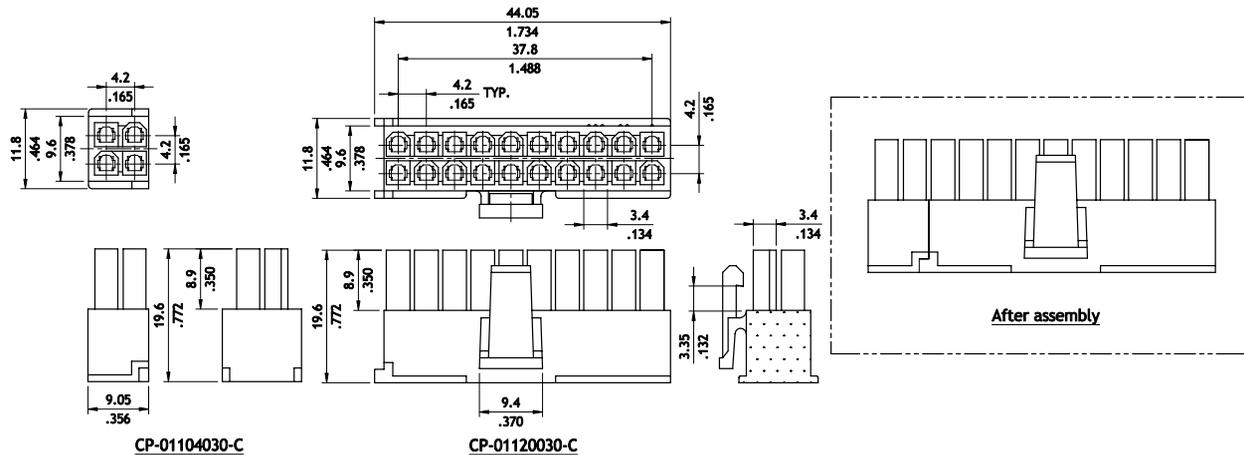
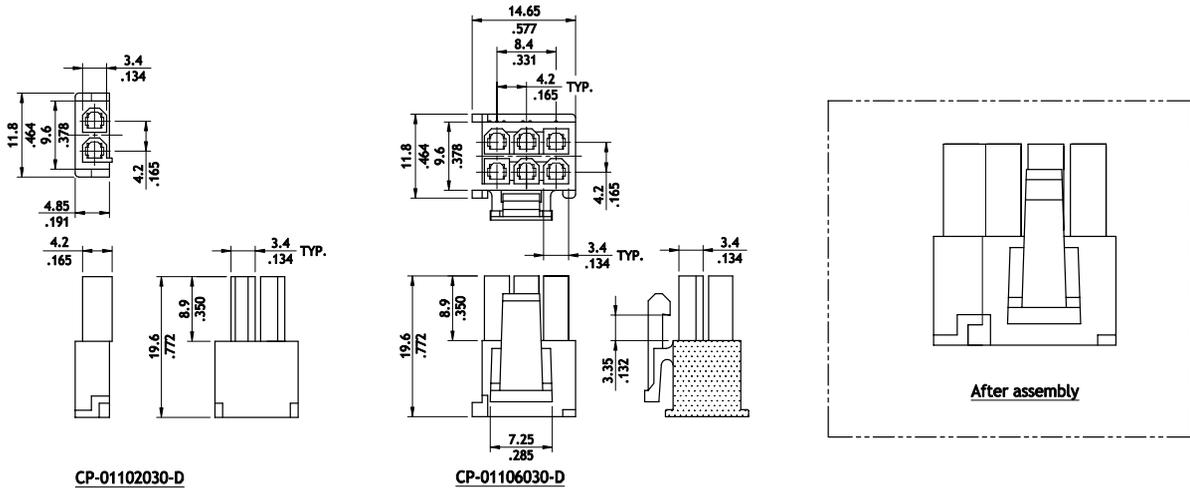
CP-011 Series 4.20mm (.165") Assembly Power Connectors

- ⊙ With locking latch
- ⊙ Nylon 66 UL 94V-0 insulator material
- ⊙ Can be used with CP-011 crimp terminal
- ⊙ Terminal accommodated AWG #16 ~ #26



RoHS Compliant 

CP



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 Code : 0 = Non plating
- ⑤ Variation: 3 = UL 94V-0

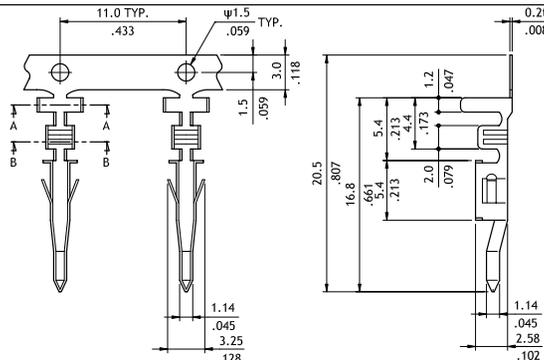
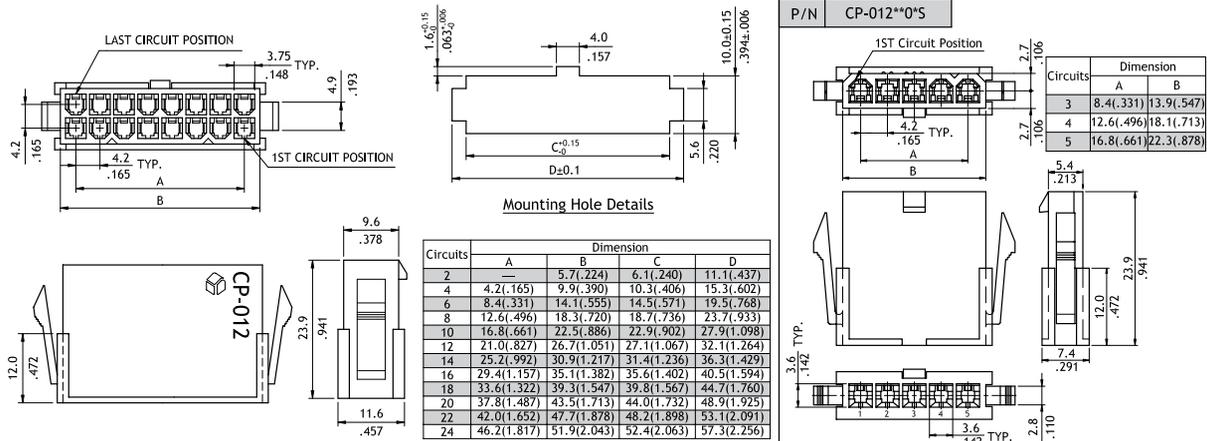
- ⑥ Color Options: 0 = Nature (Standard)
*Special options consult manufacturer
- ⑦ Other Options:
C = Assembly Type
D = PCI-E Assembly Type

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

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



RoHS Compliant



| Part No. | Wire Range | Dimension | | | | Insulation Range | Material | Reel Qty |
|----------------|------------|-----------|-----------|-----------|------------|--------------------|---------------------------------------|-----------|
| | | 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 ~ 24 (Dual Row)
03 ~ 05 (Single Row)
- ④ Plating Code: 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 = Dual Row
S = Single Row
*Special options consult manufacturer

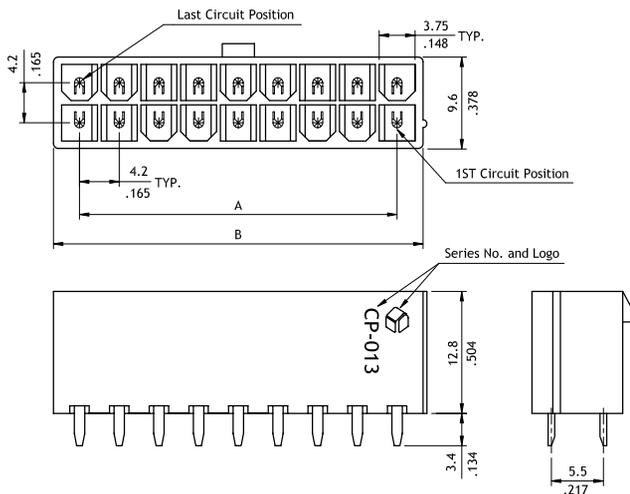
CP-013 Series 4.20mm (.165") Straight DIP Solder Headers

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

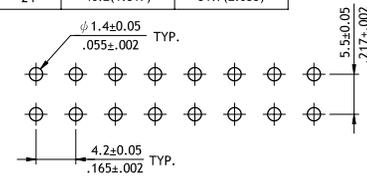


RoHS Compliant

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

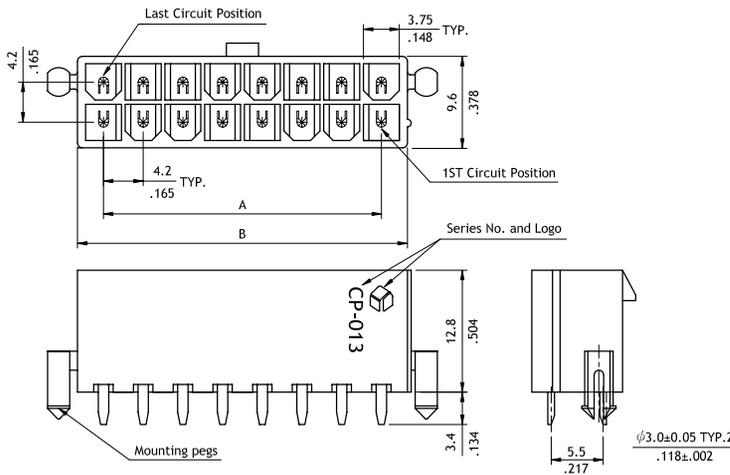


| Circuits | Dimension | |
|----------|-------------|-------------|
| | A | B |
| 2 | — | 5.5(.217) |
| 4 | 4.2(.165) | 9.7(.382) |
| 6 | 8.4(.331) | 13.9(.547) |
| 8 | 12.6(.496) | 18.1(.713) |
| 10 | 16.8(.661) | 22.3(.878) |
| 12 | 21.0(.827) | 26.5(1.043) |
| 14 | 25.2(.992) | 30.7(1.209) |
| 16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

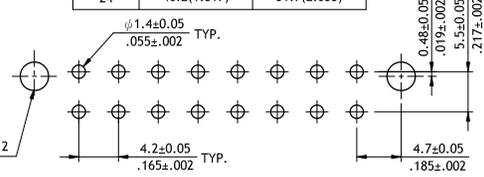


Recommended P.C. Board Layout

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



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



Recommended P.C. Board Layout

Ordering Code

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 Code :
1 = Tin over Nickel

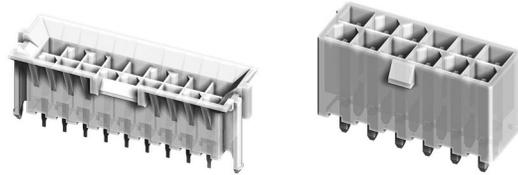
- ⑤ Variation:
1 = UL 94V-2 (without mounting peg)
3 = UL 94V-0 (without mounting peg)
4 = UL 94V-2 (with mounting pegs)
5 = UL 94V-0 (with mounting pegs)
E = GWT approval (without mounting peg)
G = GWT approval (with mounting pegs)

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

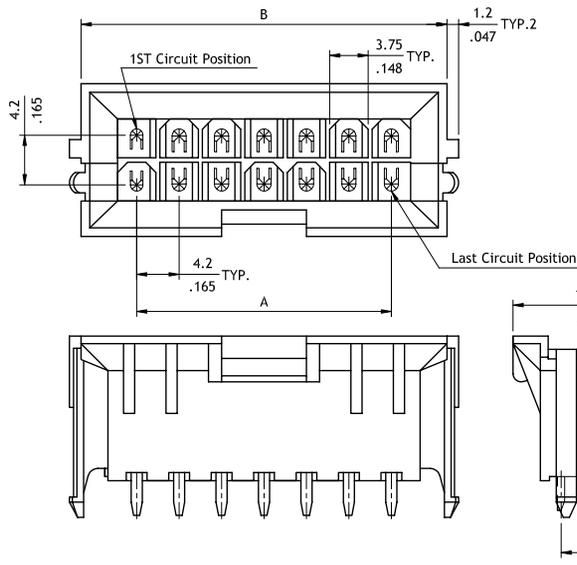
CP-013 Series 4.20mm (.165") Straight DIP Solder Headers

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

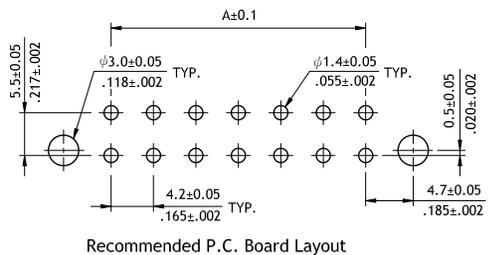
RoHS Compliant



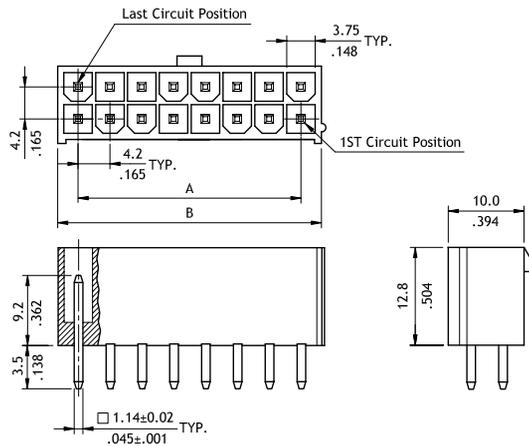
P/N CP-013**160 / CP-013**170 / CP-013**1H0



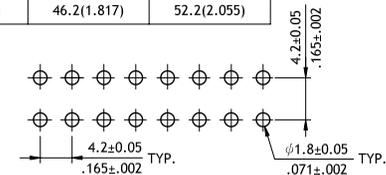
| Circuits | Dimension | |
|----------|-------------|-------------|
| | A | B |
| 4 | 4.2(.165) | 15.1(.594) |
| 6 | 8.4(.331) | 19.3(.760) |
| 8 | 12.6(.496) | 23.5(.925) |
| 10 | 16.8(.661) | 27.7(1.091) |
| 14 | 25.2(.992) | 36.1(1.421) |
| 16 | 29.4(1.157) | 40.3(1.587) |
| 18 | 33.6(1.323) | 44.5(1.752)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



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



| 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 Code : 1 = Tin over Nickel

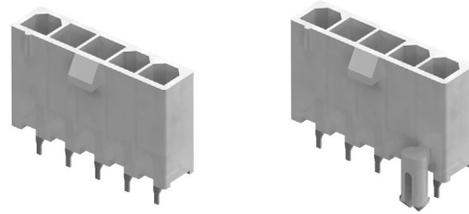
- ⑤ Variation : 6 = UL 94V-2 (B.M.I Type)
7 = UL 94V-0 (B.M.I Type)
8 = UL 94V-2 (with square pin)
9 = UL 94V-0 (with square pin)
J = GWT approval (with square pin)
H = GWT approval (B.M.I Type)

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

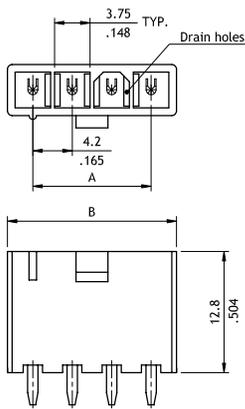
CP-013 Series 4.20mm (.165") Straight DIP Solder Headers

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

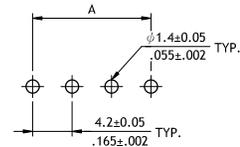
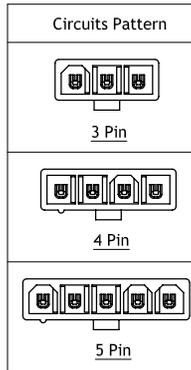
RoHS Compliant  



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

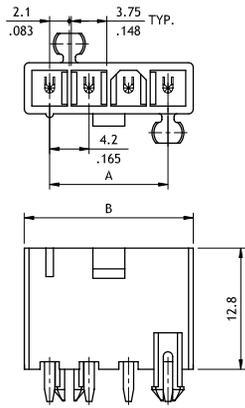


| Circuits | Dimension | |
|----------|------------|------------|
| | A | B |
| 3 | 8.4(.331) | 13.8(.543) |
| 4 | 12.6(.496) | 18.0(.709) |
| 5 | 16.8(.661) | 22.2(.874) |

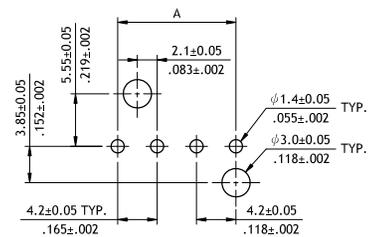
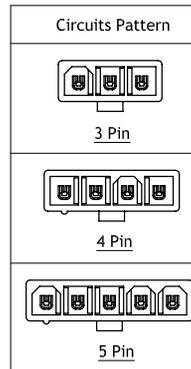


Recommended P.C. Board Layout

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) |



Recommended P.C. Board Layout

Ordering Code

① ② ③ ④ ⑤ ⑥
CP - 01 3 05 1 S S

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

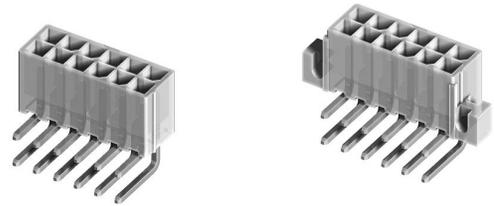
- ⑤ Variation:
Without mounting peg:
1 = UL 94V-2 (with drain holes)
3 = UL 94V-0 (with drain holes)
6 = UL 94V-2 (without drain hole)
7 = UL 94V-0 (without drain hole)
With mounting pegs:
4 = UL 94V-2 (with drain holes)
5 = UL 94V-0 (with drain holes)
8 = UL 94V-2 (without drain hole)
9 = UL 94V-0 (without drain hole)

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

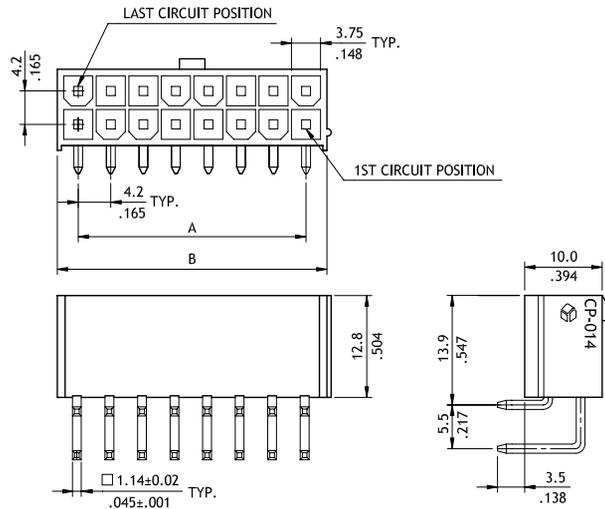
CP-014 Series 4.20mm (.165") Right Angle DIP Solder Headers

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

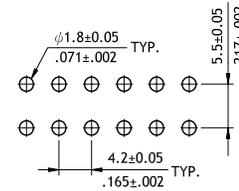
RoHS Compliant



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

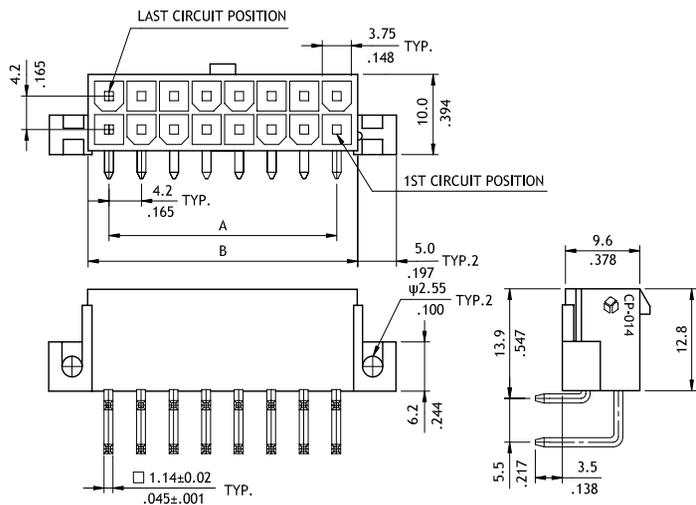


| Circuits | Dimension | |
|----------|-------------|-------------|
| | A | B |
| 2 | — | 6.0(.236) |
| 4 | 4.2(.165) | 10.2(.402) |
| 6 | 8.4(.331) | 14.4(.567) |
| 8 | 12.6(.496) | 18.6(.732) |
| 10 | 16.8(.661) | 22.8(.898) |
| 12 | 21.0(.827) | 27.0(1.063) |
| 14 | 25.2(.992) | 31.2(1.228) |
| 16 | 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) |

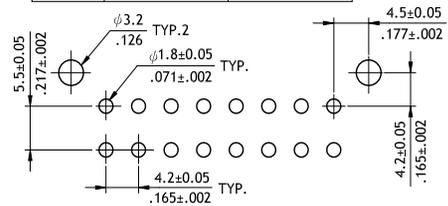


Recommended P.C. Board Layout

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



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



Recommended P.C. Board Layout

Ordering Code

① CP - 01 ② 4 ③ 24 ④ 1 ⑤ 0 ⑥ 0

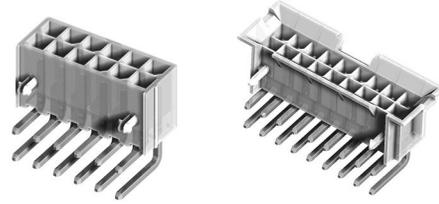
- ① Series No.
- ② Connector Type : 4 = Right Angle Header
- ③ No. of Circuits : see above table
- ④ Plating Code : 1 = Tin over Nickel

- 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

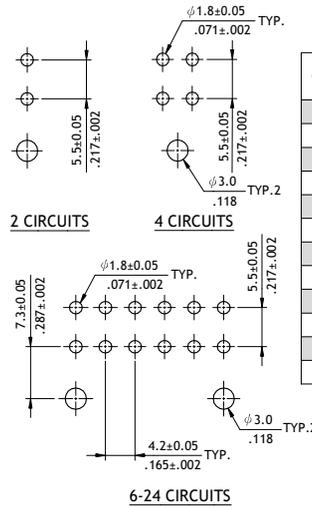
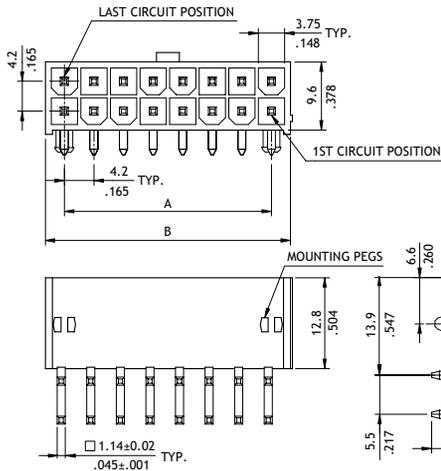
CP-014 Series 4.20mm (.165") Right Angle DIP Solder Headers

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

RoHS Compliant



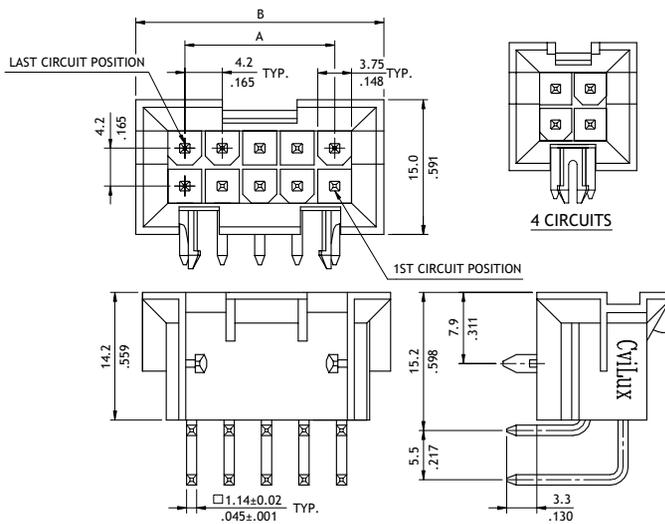
P/N CP-014**140 / CP-014**150 / CP-014**1G0



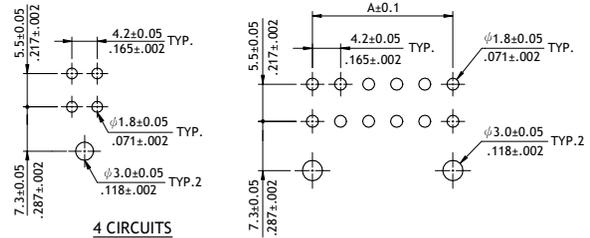
| Circuits | Dimension | |
|----------|-------------|-------------|
| | A | B |
| 2 | — | 6.0(.236) |
| 4 | 4.2(.165) | 10.2(.402) |
| 6 | 8.4(.331) | 14.4(.567) |
| 8 | 12.6(.496) | 18.6(.732) |
| 10 | 16.8(.661) | 22.8(.898) |
| 12 | 21.0(.827) | 27.0(1.063) |
| 14 | 25.2(.992) | 31.2(1.228) |
| 16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

Recommended P.C. Board layout

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



| Circuits | Dimension | |
|----------|-------------|-------------|
| | A | B |
| 4 | 4.2(.165) | 15.2(.598) |
| 6 | 8.4(.331) | 19.4(.764) |
| 8 | 12.6(.496) | 23.6(.929) |
| 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) |



Recommended P.C. Board layout

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 Code : 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

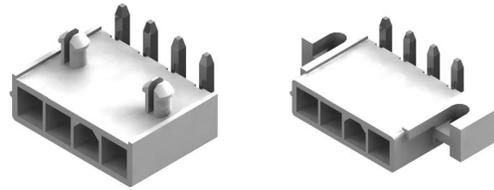
CP

POWER CONNECTOR

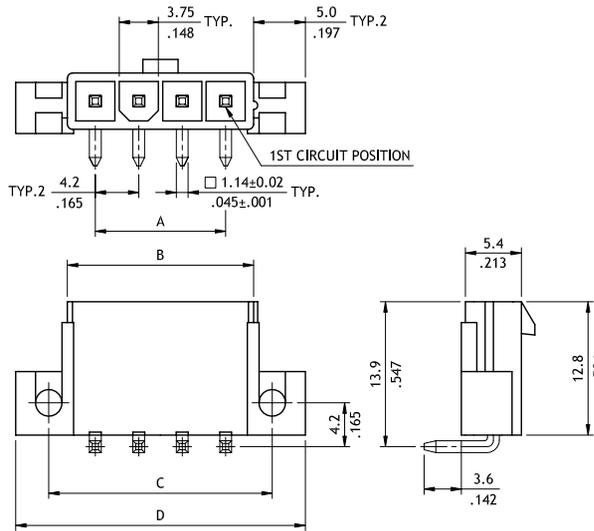
CP-014 Series 4.20mm (.165") Right Angle DIP Solder Headers

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

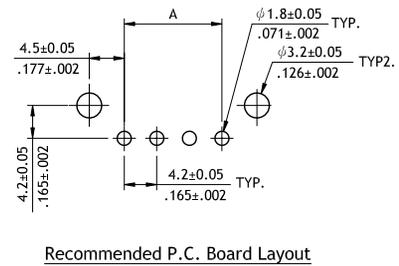
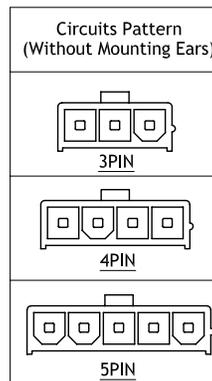
RoHS Compliant



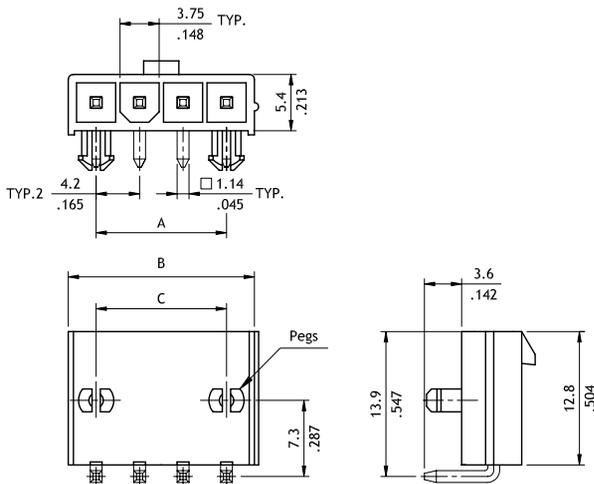
P/N CP-014**10S / CP-014**12S



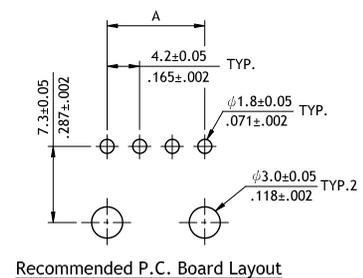
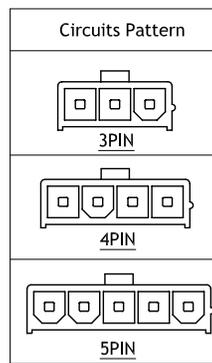
| Circuits | Dimension | | | |
|----------|------------|------------|-------------|-------------|
| | A | B | C | D |
| 3 | 8.4(.331) | 13.8(.543) | 17.4(.685) | 23.8(.937) |
| 4 | 12.6(.496) | 18.0(.709) | 21.6(.850) | 28.0(1.102) |
| 5 | 16.8(.661) | 22.2(.874) | 25.8(1.016) | 32.2(1.268) |



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) |



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 Code :
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

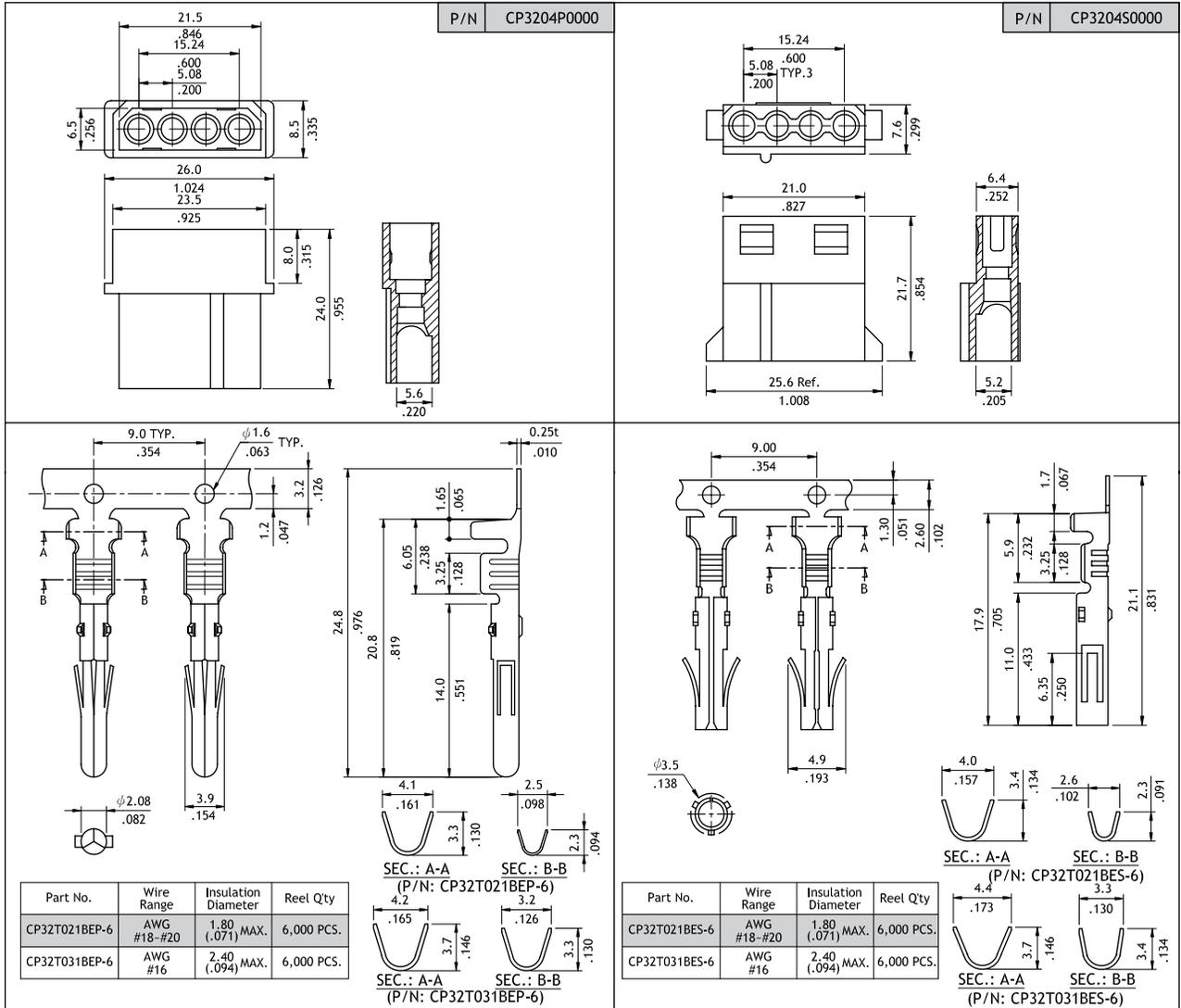
CP32 Series 5.08mm (.200") Power Connectors

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



RoHS Compliant

CP



Ordering Code

①
②
③
④
⑤

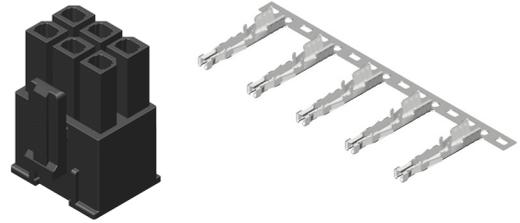
CP32
04
S
0
000

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

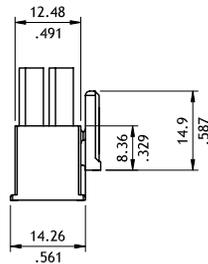
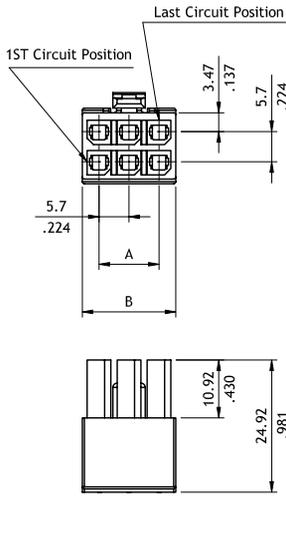
POWER CONNECTOR

CP60 Series 5.7mm (.224) Dual Row Receptacle Connectors

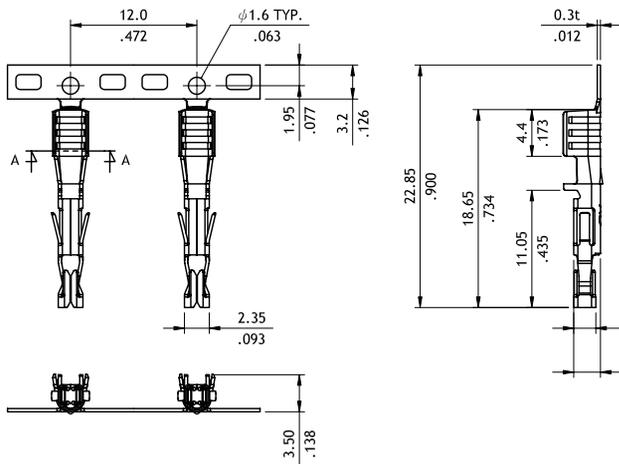
- ⊙ Mate with CP60 Header
- ⊙ Can be used with CP60 Crimp Clip terminal
- ⊙ Insulator : UL 94V-0 , Color Black
- ⊙ Terminal accommodated AWG#12~#16
- ⊙ Maximum applied current 23A



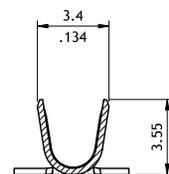
CP



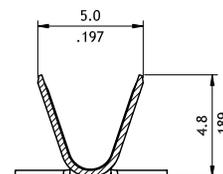
| Circuits | Dimension | |
|----------|-------------|--------------|
| | A | B |
| 2 | - | 8.35(.329) |
| 4 | 5.7(.224) | 12.05(.474) |
| 6 | 11.4(.449) | 17.75(.699) |
| 8 | 17.1(.673) | 23.45(.923) |
| 10 | 22.8(.898) | 29.15(1.148) |
| 12 | 28.5(1.122) | 34.85(1.372) |



| P/N | Wire Range | Reel Qty |
|----------------|-------------|-----------|
| CP60T04*PP0-HC | AWG #12 | 4,000 PCS |
| CP60T03*PP0-HC | AWG #14-#16 | 4,250 PCS |



SEC. A-A
P/N:CP60T03*PP0-HC



SEC. A-A
P/N:CP60T04*PP0-HC

Ordering Code

① CP ② 60 ③ 12 ④ S ⑤ N01 ⑥ 0

- ① Series No.
- ② No. of Circuits: 02 ~ 12
- ③ S = Housing
- ④ Color: N01 = Black Color
- ⑤ Other options : 0= Standard

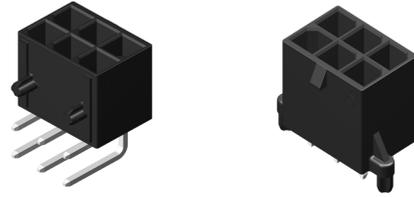
① CP ② 60 ③ T04 ④ 1 ⑤ PP ⑥ 0 - HC

- ① Series No.
- ② Wire Range: T04 = AWG #12 , T03 = AWG #14 - #16
- ③ Plating Code:
 - 1 = Tin over Nickel
 - B = Selective 15μ" Gold flash over Nickel
 - C = Selective 30μ" Gold flash over Nickel
- ④ Plating method : PP =Post plating
- ⑤ Options: 0 = Standard
- ⑥ HC= High Current Copper Alloy

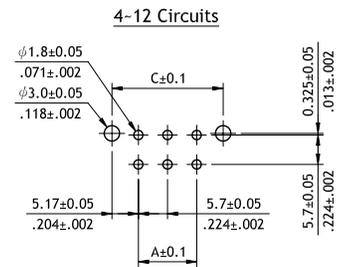
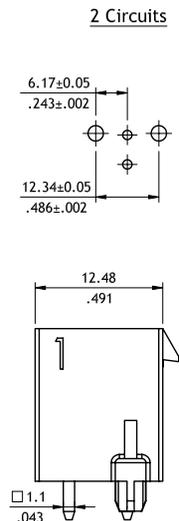
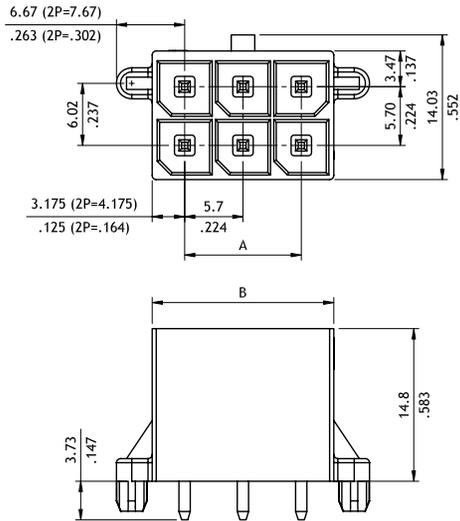
POWER CONNECTOR

CP60 Series 5.7mm (.224) Dual Row Board Mount Header

- ⊙ Mate with CP60 Connector
- ⊙ High temperature plastic UL 94V-0
- ⊙ With PCB mounting pegs
- ⊙ Maximum applied current 23A

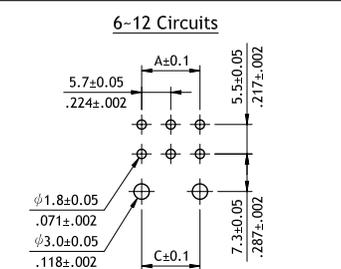
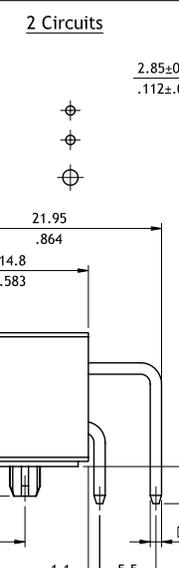
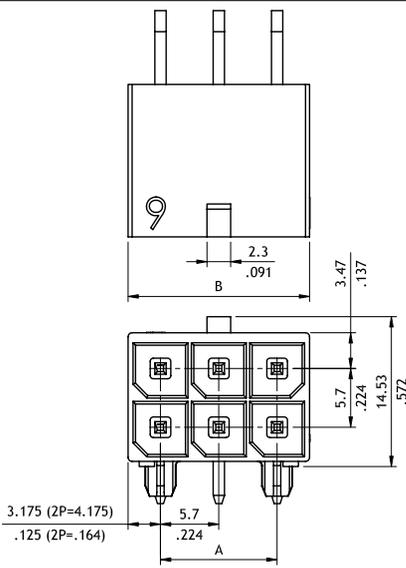


RoHS Compliant



Recommended P.C. Board layout

| Circuits | Dimension | | |
|----------|-------------|--------------|--------------|
| | A | B | C |
| 2 | - | 8.35(.329) | 12.34(.486) |
| 4 | 5.7(.224) | 12.05(.474) | 16.04(.631) |
| 6 | 11.4(.449) | 17.75(.699) | 21.74(.856) |
| 8 | 17.1(.673) | 23.45(.923) | 27.44(1.080) |
| 10 | 22.8(.898) | 29.15(1.148) | 33.14(1.305) |
| 12 | 28.5(1.122) | 34.85(1.372) | 38.84(1.529) |



Recommended P.C. Board layout

| Circuits | Dimension | | |
|----------|-------------|--------------|-------------|
| | A | B | C |
| 2 | - | 8.35(.329) | - |
| 4 | 5.7(.224) | 12.05(.474) | - |
| 6 | 11.4(.449) | 17.75(.699) | 11.4(.449) |
| 8 | 17.1(.673) | 23.45(.923) | 17.1(.673) |
| 10 | 22.8(.898) | 29.15(1.148) | 22.8(.898) |
| 12 | 28.5(1.122) | 34.85(1.372) | 28.5(1.122) |

Ordering Code

① CP ② 60 ③ 12 ④ P ⑤ 1 ⑥ V ⑦ 00 - NH

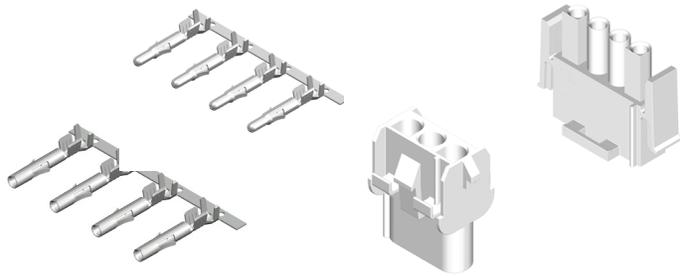
- ① Series No.
- ② No. of Circuits: 02 ~ 12
- ③ P = DIP Type
- ④ Plating Code:
1 = Tin over Nickel
B= Selective 15μ" Gold flash over Nickel
C= Selective 30μ" Gold flash over Nickel
- ⑤ Type
V=Straight Type
H=Right Angle Type
- ⑥ Option : 00=Standard
- ⑦ NH = For Lead Free soldering process and Halogen-Free

CP POWER CONNECTOR

CP08 Series 6.35mm (.250) Single Row Power Connectors

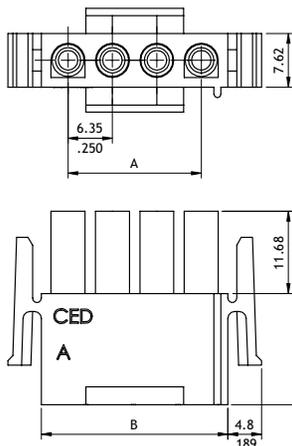
- ⊙ Can be used CP08 Crimp Clip terminal
- ⊙ Insulator Nylon 66 UL 94V-0 , Color Nature
- ⊙ Mate with CP08 Header
- ⊙ Terminal accommodated AWG#14~#20

RoHS Compliant 



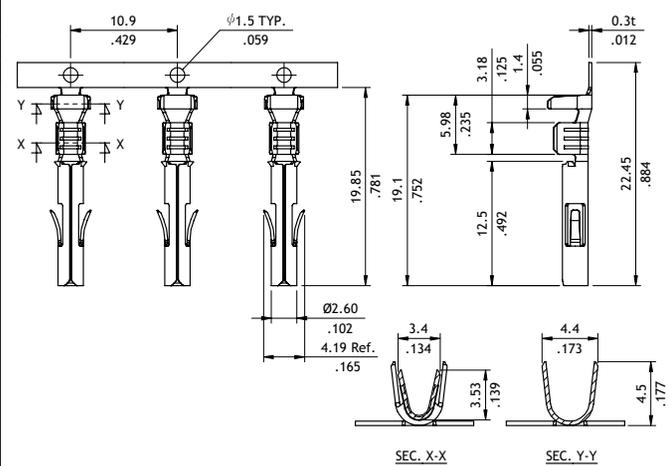
CP

| | |
|-----|-------------|
| P/N | CP08**SCS00 |
|-----|-------------|

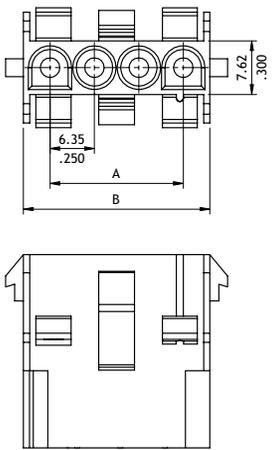


| Circuits | Dimension | |
|----------|--------------|--------------|
| | A | B |
| 2 | 6.35(.250) | 13.97(.550) |
| 3 | 12.70(.500) | 20.32(.800) |
| 4 | 19.05(.750) | 26.67(1.050) |
| 5 | 25.40(1.000) | 33.02(1.300) |

| | |
|-----|-------------|
| P/N | CP08TC3***S |
|-----|-------------|

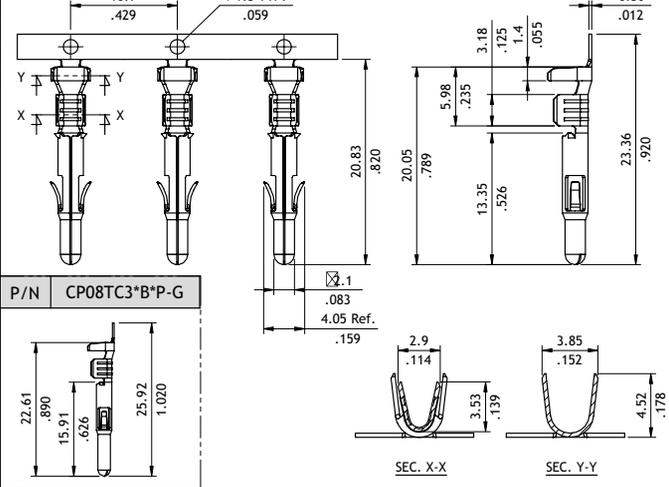


| | |
|-----|-------------|
| P/N | CP08**PCS00 |
|-----|-------------|

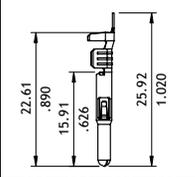


| Circuits | Dimension | |
|----------|--------------|--------------|
| | A | B |
| 2 | 6.35(.250) | 13.97(.550) |
| 3 | 12.70(.500) | 20.32(.800) |
| 4 | 19.05(.750) | 26.67(1.050) |
| 5 | 25.40(1.000) | 33.02(1.300) |

| | |
|-----|-------------|
| P/N | CP08TC3***P |
|-----|-------------|



| | |
|-----|---------------|
| P/N | CP08TC3*B*P-G |
|-----|---------------|



Ordering Code

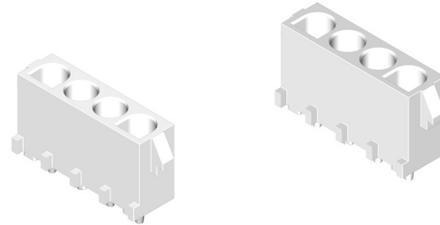
① CP08 ② 10 ③ S ④ CS ⑤ 00 ① CP08 ② TC3 ③ 1 ④ P ⑤ EP - ⑥ G

- | | | |
|---|--|--|
| <ul style="list-style-type: none"> ① Series No. ② No. of Circuits: 02 ~ 06 , 08 , 10 ③ S = Receptacle Housing P = Plug Housing ④ Type: CS = Single Row ⑤ Other Option: 00 = Standard | <ul style="list-style-type: none"> ① Series No. ② Wire Range: TC3 = AWG #14 ~ #20 ③ Plating Code : 1 = Tin over Nickel C = Selective 30µ" Gold flash over Nickel ④ Material: P = Phosphor Bronze B = Brass | <ul style="list-style-type: none"> ⑤ Option: ES = Receptacle Terminal (Tin) EP = Plug Terminal (Tin) PS = Receptacle Terminal(Gold) PP = Plug Terminal (Gold) ⑥ G = Ground Type (Only for Plug terminal) |
|---|--|--|

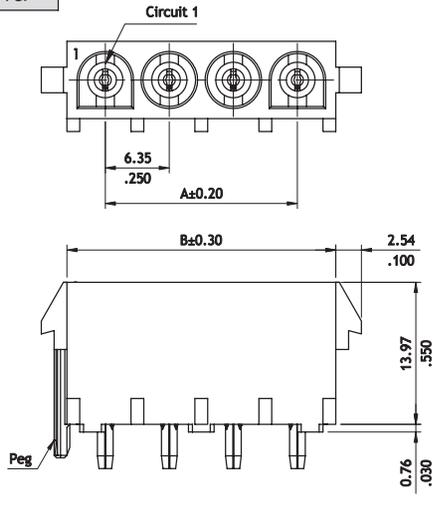
CP08 Series 6.35mm (.250) Single Row Power Connectors

- ⊙ Insulator Nylon 66 UL 94V-0 , Color Nature
- ⊙ Mate with CP08 Housing
- ⊙ With PCB mounting pegs

RoHS Compliant

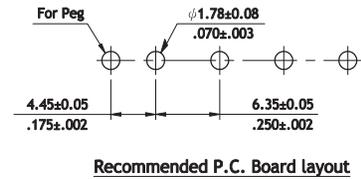
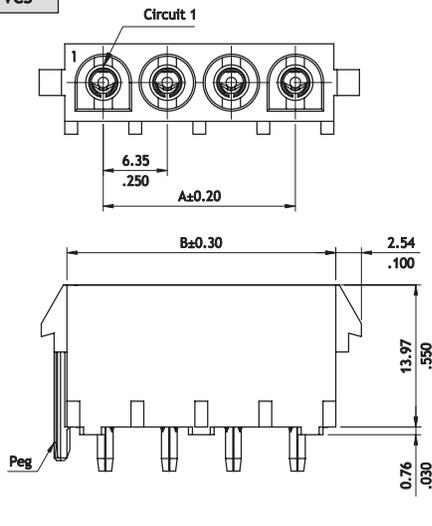


P/N CP08**P1VCP



| Circuits | Dimension | |
|----------|-----------|-------|
| | A | B |
| 2 | 6.35 | 13.97 |
| 3 | 12.70 | 20.32 |
| 4 | 19.05 | 26.67 |
| 5 | 25.40 | 33.02 |

P/N CP08**P1VCS



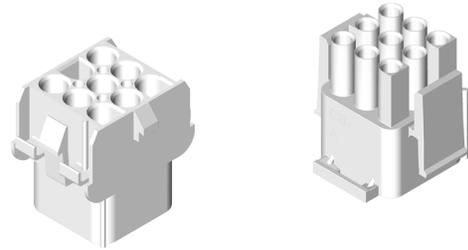
| Ordering Code | ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ |
|---------------|------|----|---|---|---|---|---|
| | CP08 | 05 | P | 1 | V | C | P |

① Series No.
 ② No. of Circuits: 02 ~ 05
 ③ Contact Type : P = Board mount type
 ④ Plating Code : 1 = Tin over Nickel
 ⑤ Type: V= Straight Type
 ⑥ Material: C = Single Row
 ⑦ Other Options:
 P = Male contact
 S = Female contact

CP08 Series 6.35mm (.250) Triple Row Power Connectors

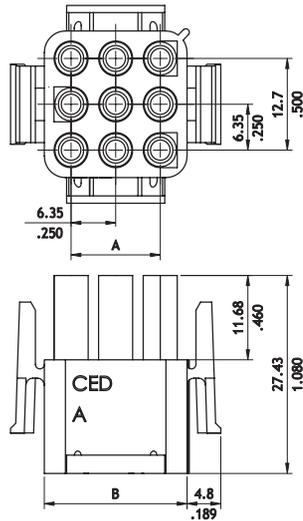
- ⊙ Can be used CP08 Crimp Clip terminal
- ⊙ Insulator Nylon 66 UL 94V-0 , Color Nature
- ⊙ Mate with CP08 Triple Row Header
- ⊙ Terminal accommodated AWG#14~#20

RoHS Compliant



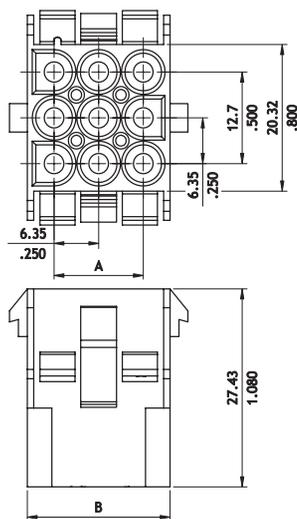
CP

| | |
|-----------------------|-------------|
| P/N | CP08**SCT00 |
| Mate with CP08TC3***S | |



| Circuits | Dimension | |
|----------|--------------|--------------|
| | A | B |
| 6 | 6.35(.250) | 13.97(.550) |
| 9 | 12.70(.500) | 20.32(.800) |
| 12 | 19.05(.750) | 26.67(1.050) |
| 15 | 25.40(1.000) | 33.02(1.300) |

| | |
|-----------------------|-------------|
| P/N | CP08**PCT00 |
| Mate with CP08TC3***P | |



| Circuits | Dimension | |
|----------|--------------|--------------|
| | A | B |
| 6 | 6.35(.250) | 13.97(.550) |
| 9 | 12.70(.500) | 20.32(.800) |
| 12 | 19.05(.750) | 26.67(1.050) |
| 15 | 25.40(1.000) | 33.02(1.300) |

Ordering Code

① ② ③ ④ ⑤
CP08 12SCT00

- ① Series No.
- ② No. of Circuits: 06 , 09 , 12 , 15
- ③ S = Receptacle Housing
- ④ Type : CT = Triple Row
- ⑤ Other options : 00= Standard

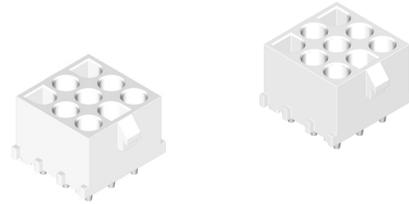
① ② ③ ④ ⑤
CP08 10PCT00

- ① Series No.
- ② No. of Circuits: 06 , 09 , 12 , 15
- ③ P = Plug Housing
- ④ Type : CT = Triple Row
- ⑤ Other options : 00= Standard

CP08 Series 6.35mm (.250) Triple Row Power Connectors

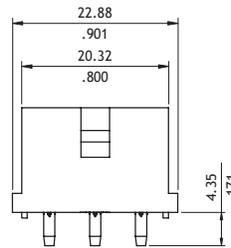
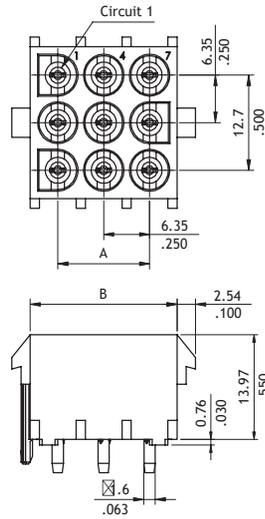
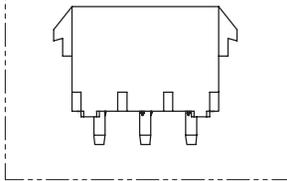
- ⊙ Insulator Nylon 66 UL 94V-0 , Color Nature
- ⊙ Mate with CP08 Triple Row Header
- ⊙ Option PCB mounting ped

RoHS Compliant



P/N CP08**P1VDP

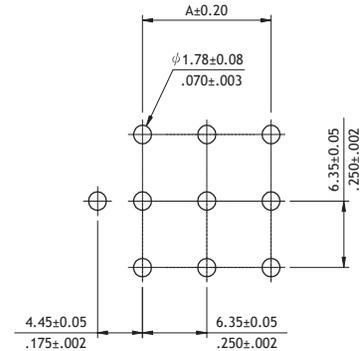
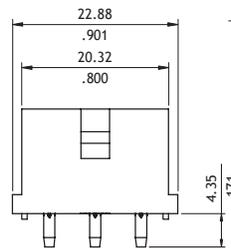
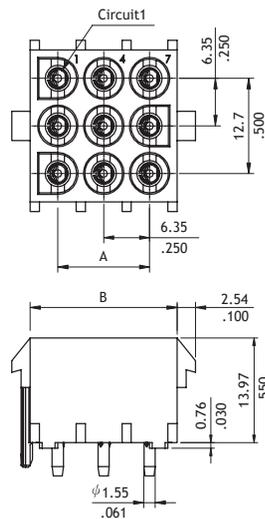
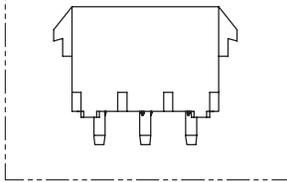
P/N CP08**P1VDP-N (without peg)



| Circuits | Dimensions | |
|----------|--------------|--------------|
| | A | B |
| 06 | 6.35(.250) | 13.97(.550) |
| 09 | 12.70(.500) | 20.32(.800) |
| 12 | 19.05(.750) | 26.67(1.050) |
| 15 | 25.40(1.000) | 33.02(1.300) |

P/N CP08**P1VDS

P/N CP08**P1VDS-N (without peg)



Recommended P.C.B oard layout

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
CP08 06 P 1 V D P - N

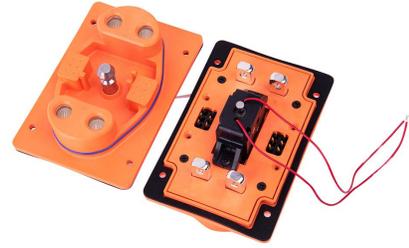
- ① Series No.
- ② No. of Circuits: 06, 09, 12, 15
- ③ Contact Type : P = Plug
- ④ Plating Code : 1 = Tin over Nickel

- ⑤ Type: V= Straight Type
- ⑥ Material: D = Nylon 66 , UL 94V-0 (Triple Row)
- ⑦ Other Options : P = Male contact
S = Female contact
- ⑧ N = Without Peg
*Code 8 for without peg type only

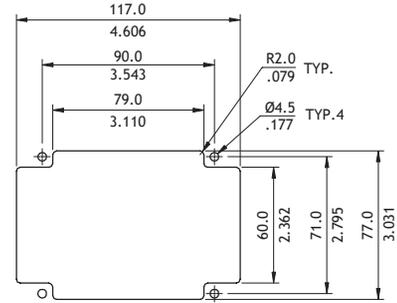
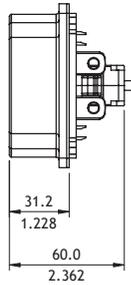
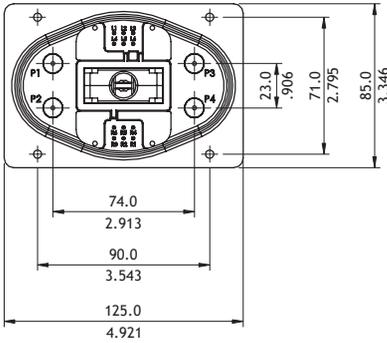
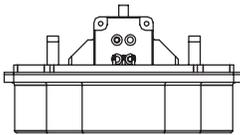
CPF1 Series High-Voltage Plug Connectors

- ⊙ Mate with CPB2 Connectors
- ⊙ Can be used CPB2 Crimp Clip Pug terminal
- ⊙ Insulator : PBT UL 94V-0 , Color Nature
- ⊙ According to IEC 60529 IPX7

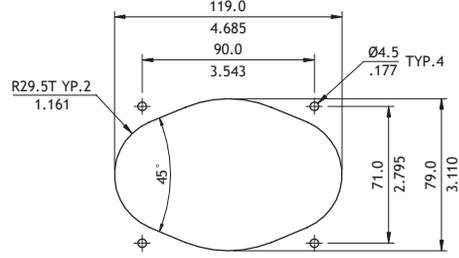
RoHS Compliant



CP



Recommended Panel Cutout (Front Mounting)

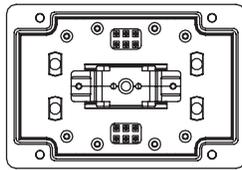


Recommended Panel Cutout (Rear Mounting)

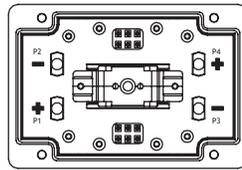
ForU L1 977
P/N: CPF14150SPA94BP1-0

ForU L4 128
P/N: C PF14150SPA94BP1-A
Recommended Application

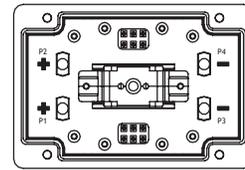
ForU L4 128
P/N: CPF14300SPA94BP1-B
Recommended Application
(Parallel Mode)



BACK VIEW



BACK VIEW A



BACK VIEW B

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫
CPF1 4 150 S P A 9 4 B P 1 - A

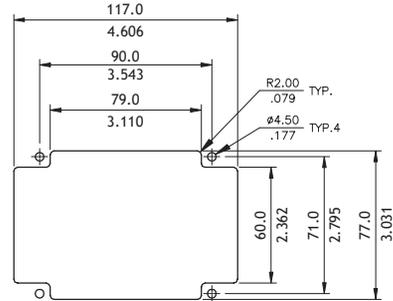
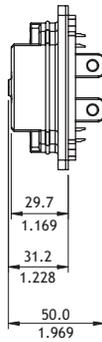
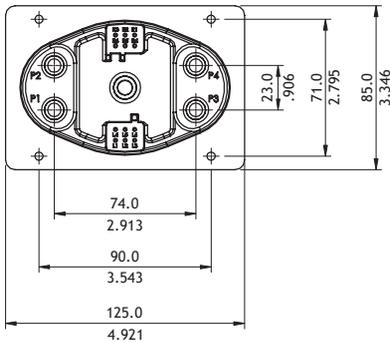
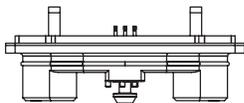
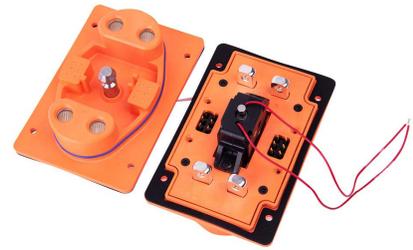
- ① Series No.
- ② No. of Circuits: 4, 2
- ③ Current : 150 = 150A(Per Pin)
300=The two assigned pins of the connector (P1 and P2, P3 and P4) can be connected for parallel output to increase the total current up to 300A
- ④ Power pin plating : S = Silver plated
- ⑤ Connector Type : P=Plug
- ⑥ Signal Type : A = 6+6 B = 6+USBC(USB 3.2 Gen2)
C = 6+0

- ⑦ Signal Pin plating: 9 = 5μ" Gold plated over 50μ"Nickel
- ⑧ Insulator color : 4 = Orange
- ⑨ Lock Type :
0 = W/O Lock (2 in 1 Series)
A = With Lock (Two-way solenoid valve)
B = With Lock (One-way solenoid valve)
- ⑩ Prevention key option : 0 = W/O key , P =With Key
- ⑪ Options: 0 = Front & Rear Mounting all available
1 = Front Mounting , 2 = Rear Mounting
- ⑫ Product Safety Certification : -0 for UL1977
-A for UL4128(See back View A)
-B for UL4128(See back View B)

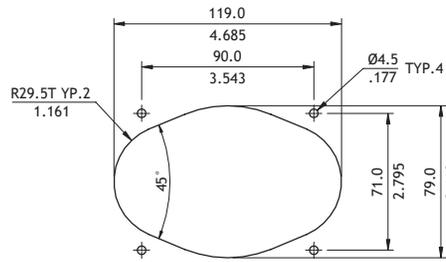
CPF1 Series High-Voltage Plug Connectors

- ⊙ Mate with CPB2 Connectors
- ⊙ Can be used CPB2 Crimp Clip Pug terminal
- ⊙ Insulator : PBT UL 94V-0 , Color Nature
- ⊙ According to IEC 60529 IPX7

RoHS Compliant



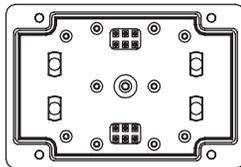
Recommended Panel Cutout (Front Mounting)



Recommended Panel Cutout (Rear Mounting)

For U L1 977

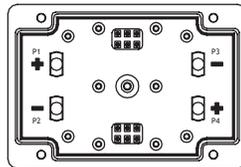
P/N: C PF14150SSA94BP0-0



BACK VIEW

For U L4 128

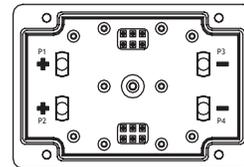
P/N: CPF14150SSA94BP0-A
Recommended Application



BACK VIEW A

For U L4 128

P/N: CPF14300SSA94BP0-B
Recommended Application (Parallel Mode)



BACK VIEW B

Ordering Code

① CPF ② 1 ③ 50 ④ S ⑤ S ⑥ A ⑦ 9 ⑧ 4 ⑨ B ⑩ P ⑪ 1 ⑫ - A

- ① Series No.
- ② No. of Circuits: 4, 2
- ③ Current : 150 = 150A (Per Pin)
300 = The two assigned pins of the connector (P1 and P2, P3 and P4) can be connected for parallel output to increase the total current up to 300A
- ④ Power pin plating : S = Silver plated
- ⑤ Connector Type : S = Receptacle
- ⑥ Signal Type : A = 6+6 B = 6+USBC (USB 3.2 Gen2)
C = 6+0

- ⑦ Signal Pin plating: 9 = 5μ" Gold plated over 50μ" Nickel
- ⑧ Insulator color : 4 = Orange
- ⑨ Lock Type :
0 = W/O Lock (2 in 1 Series)
A = With Lock (Two-way solenoid valve)
B = With Lock (One-way solenoid valve)
- ⑩ Prevention key option : 0 = W/O key, P = With Key
- ⑪ Options: 0 = Front & Rear Mounting all available
1 = Front Mounting, 2 = Rear Mounting
- ⑫ Product Safety Certification : -0 for UL1977
-A for UL4128 (See back View A)
-B for UL4128 (See back View B)

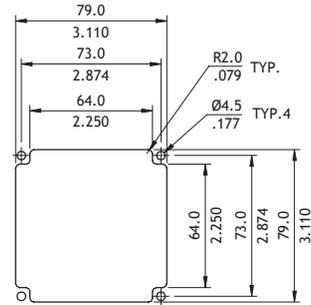
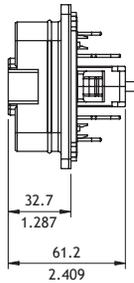
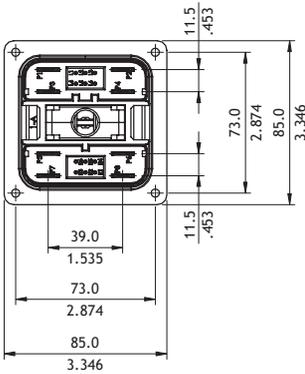
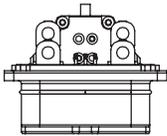
CPF2 Series High-Voltage Plug Connectors

- ⊙ Mate with CPB2 Connectors
- ⊙ Can be used CPB2 Crimp Clip Pug terminal
- ⊙ Insulator : PBT UL 94V-0 , Color Nature
- ⊙ According to IEC 60529 IPX7

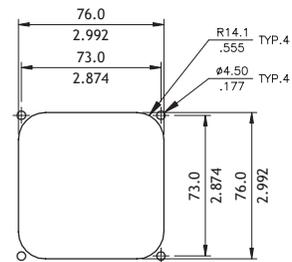
RoHS Compliant 



CP



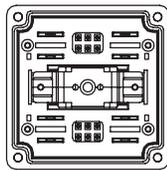
Recommended Panel Cutout (Front Mounting)



Recommended Panel Cutout (Rear Mounting)

ForU L1 977

P/N: CPF28075SPA94BP0-0

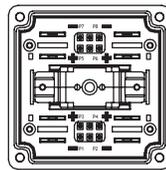


BACK VIEW

ForU L4 128

P/N: CPF28075SPA94BP0-A

Recommended Application

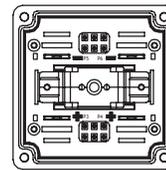


BACK VIEW A

ForU L4 128

P/N: CPF24075SPA94BP0-B

Recommended Application (Parallel Mode)



BACK VIEW B

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫
CPF2 8 075 S P A 9 4 B P 0 - A

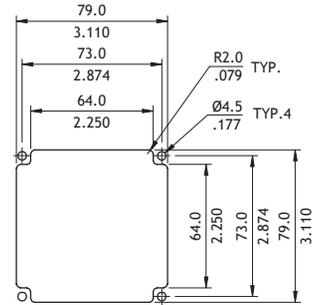
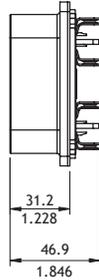
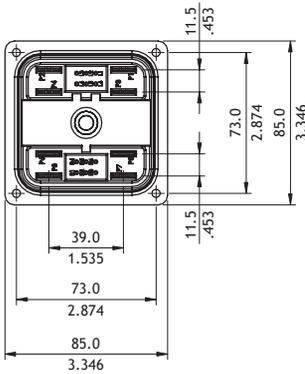
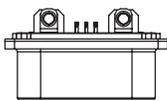
- ① Series No.
- ② No. of Circuits: 8 ,4
- ③ Current : 075 = 75A
- ④ Power pin plating : S = Silver plated
- ⑤ ConnectorType : P = Plug
- ⑥ SignalType : A = 6+6 B = 6+USBC(USB 3.2 Gen2)
C = 6+0
- ⑦ Signal Pin plating: 9 = 5μ" Gold plated over 50μ"Nickel

- ⑧ Insulator color : 4 = Orange
- ⑨ Lock Type :
0 = W/O Lock (2 in 1 Series)
A = With Lock (Two-way solenoid valve)
B = With Lock (One-way solenoid valve)
- ⑩ Prevention key option : 0 = W/O key , P =With Key
- ⑪ Options:0 = Front & Rear Mounting all available
1 = Front Mounting , 2 = Rear Mounting
- ⑫ Product Safety Certification : -0 for UL1977
-A for UL4128(See back View A)
-B for UL4128(See back View B)

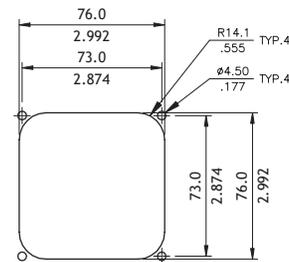
CPF2 Series High-Voltage Plug Connectors

- ⊙ Mate with CPB2 Connectors
- ⊙ Can be used CPB2 Crimp Clip Plug terminal
- ⊙ Insulator : PBT UL 94V-0 , Color Nature
- ⊙ According to IEC 60529 IPX7

RoHS Compliant

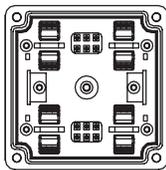


Recommended Panel Cutout (Front Mounting)



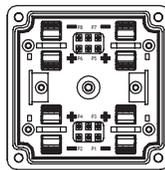
Recommended Panel Cutout (Rear Mounting)

For U L1 977
P/N: C PF28075SSA94BP1-0



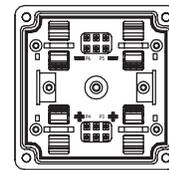
BACK VIEW

For U L4 128
P/N: CPF28075SSA94BP1-A
Recommended Application



BACK VIEW A

For U L4 128
P/N: CPF24075SSA94BP1-B
Recommended Application
(Parallel Mode)



BACK VIEW B

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫
CPF2 8 075 S S A 9 4 B P 0 - A

- ① Series No.
- ② No. of Circuits: 8, 4
- ③ Current : 075 = 75A
- ④ Power pin plating : S = Silver plated
- ⑤ Connector Type : S = Receptacle
- ⑥ Signal Type : A = 6+6 B = 6+USBC(USB 3.2 Gen2)
C = 6+0
- ⑦ Signal Pin plating: 9 = 5μ" Gold plated over 50μ"Nickel

- ⑧ Insulator color : 4 = Orange
- ⑨ Lock Type :
0 = W/O Lock (2 in 1 Series)
A = With Lock (Two-way solenoid valve)
B = With Lock (One-way solenoid valve)
- ⑩ Prevention key option : 0 = W/O key , P = With Key
- ⑪ Options: 0 = Front & Rear Mounting all available
1 = Front Mounting , 2 = Rear Mounting
- ⑫ Product Safety Certification : -0 for UL1977
-A for UL4128(See back View A)
-B for UL4128(See back View B)