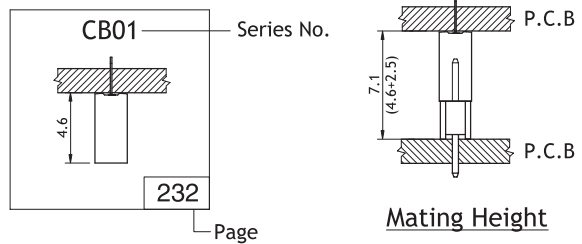


System CB Board To Board Connectors Selection Index

◎ Mating height of pitch 0.5mm and 0.8mm connectors shown as below table;

◎ Mating height of pitch 1.27mm connectors or above, please refer to below table and add the height of male and female insulator body.

◎ Example (For Pitch 1.27mm or above)



◎ Configuration

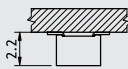
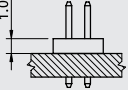
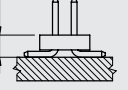
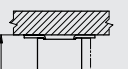
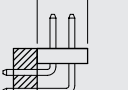
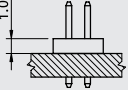
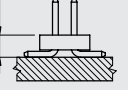
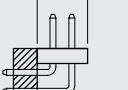
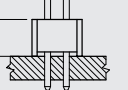
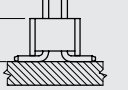
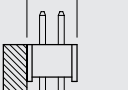
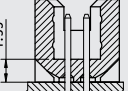
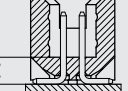
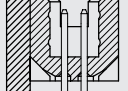
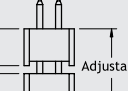
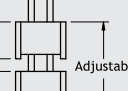
0.50mm Center spacing						
Dual Rows Board to Board	CBRC	CBRC				
	 225	 225				
	CBRB	CBRB	CBRB	CBRB	CBRB	CBRB
	 223	 223	 223	 223	 223	 223
	CBRD	CBRD	CBRD	CBRE	CBRE	
	 229	 229	 229	 227	 227	

0.80mm Center spacing			1.0mm Center spacing		
Dual Rows Board to Board	CBC3 & CHC3		Single Row Female Header	CB03	CH07
	 231 & 249			 231	 250

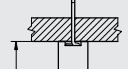
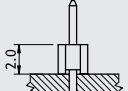
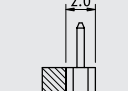
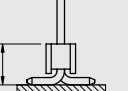
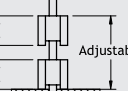
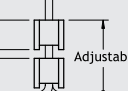
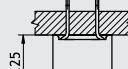
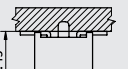
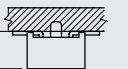
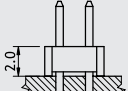
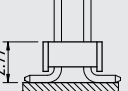
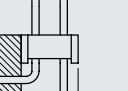
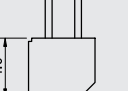
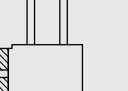
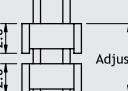
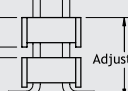
1.27mm Center spacing						
Single Row Female Header	CB01	CB01				
	 232	 232				
Single Row Header	CH01	CH01	CH02	CH02	CH03	CH03
	 251	 251	 252	 252	 253	 253

System CB Board To Board Connectors Selection Index

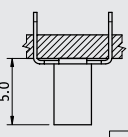
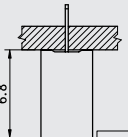
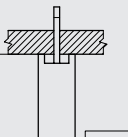
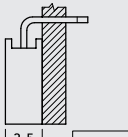
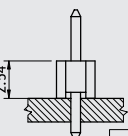
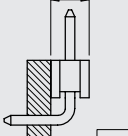
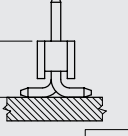
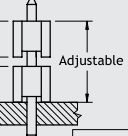
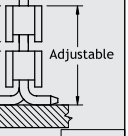
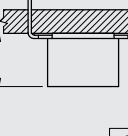
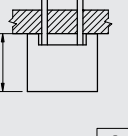
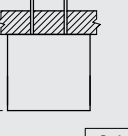
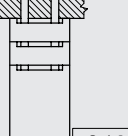
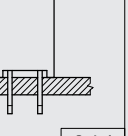
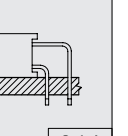
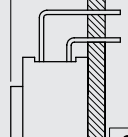
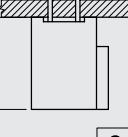
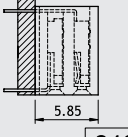
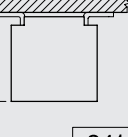
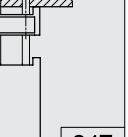
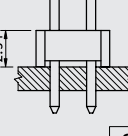
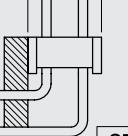
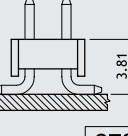
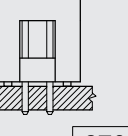
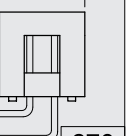
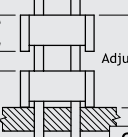
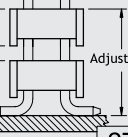
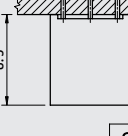
1.27mm Center spacing

Dual Rows Female Header	 CB50  CH51	 CBC1  CH51	 CBC1  CH51			
Dual Rows Header	 CH51	 CH51	 CH51	 CH52	 CH52	 CH52
	 CHC2	 CHC2	 CHC2	 CH57	 CH57	

2.0mm Center spacing

Single Row Female Header	 CB22					
Single Row Header	 CH11	 CH11	 CH11	 CH21	 CH21	
Dual Rows Female Header	 CB74	 CB74	 CB76			
Dual Rows Header	 CH71	 CH71	 CH71	 CH72	 CH72	
	 CH75	 CH75				

System CB Board To Board Connectors Selection Index

2.54mm Center spacing						
Single Row Female Header	 CB33 239	 CB37 239	 CB39 240	 CB39 240		
Single Row Header	 CH31 272	 CH31 272	 CH31 272	 CH34 271	 CH34 271	
Dual Rows Female Header	 CB83 242	 CB85 242	 CB87 243	 CB96 243	 CB91 244	 CB91 244
	 CB94 245	 CB94 245	 CB97 246	 CB41 241	 CB86 247	
Dual Rows Header	 CH81 273	 CH81 273	 CH81 273	 CH87 276	 CH87 276	
	 CH85 275	 CH85 275				
Triple Rows Female Header	 CB98 246					

CB

BOARD TO BOARD

System CB Board To Board Connectors Technical Specifications

Testing Methods of Electronic Connectors Follow Below Military Standards

Dielectric Withstanding: Per MIL-STD-1344A method 3001.1

Contact Resistance: Per MIL-STD-1344A method 3002.1

Insulation Resistance: Per MIL-STD-1344A method 3003.1

Solderability: Per MIL-STD-202F method 208D

0.50mm (.020") Center spacing Board to Board Connectors

Electrical:

Current rating: 0.5 Amp

Dielectric Withstanding: 150 VAC for one minute

Contact Resistance: < 90 mΩ

Insulation Resistance: > 1000 MΩ

Operating Temperature: -55°C - +85°C

Physical:

High temperature plastic, Color Nature or Black

Flammability Rating: UL 94V-0

Contacts: Copper alloy

Contact plating: Gold over Nickel

See plating code for other options

0.80mm (.032") Center spacing Board to Board Connectors

Electrical:

Current rating: 0.5 Amp

Dielectric Withstanding: 500 VAC for one minute

Contact Resistance: < 20 mΩ

Insulation Resistance: > 100 MΩ

Operating Temperature: -40°C - +85°C

Physical:

High temperature plastic, Color Black

Flammability Rating: UL 94V-0

Contacts: Copper alloy

Contact plating: Tin over Nickel

See plating code for other options

1.27mm (.050") Center spacing Board to Board Connectors

Electrical:

Current rating: 1 Amp

Dielectric Withstanding: 600 VAC for one minute

Contact Resistance: < 20 mΩ

Insulation Resistance: > 1000 MΩ

Operating Temperature: -40°C - +105°C

Physical:

High temperature plastic, Color Black

Flammability Rating: UL 94V-0

Contacts: Copper alloy

Contact plating: Gold over Nickel

See plating code for other options

2.00mm (.079") Center spacing Board to Board Connectors

Electrical:

Current rating: 1 Amp

Dielectric Withstanding: 1000 VAC for one minute

Contact Resistance: < 20 mΩ

Insulation Resistance: > 1000 MΩ

Operating Temperature: -40°C - +105°C

Physical:

DIP Type Header: Glass Filled Polyester, Color Black

SMT Type Header: High temperature plastic, Black

Flammability Rating: UL 94V-0

Contacts: Copper alloy

Contact plating: Gold over Nickel

See plating code for other options

2.54mm (.100") Center spacing Board to Board Connectors

Electrical:

Current rating: 3 Amp

Dielectric Withstanding: 1000 VAC for one minute

Contact Resistance: < 20 mΩ

Insulation Resistance: > 1000 MΩ

Operating Temperature: -40°C - +105°C

Physical:

DIP Type Header: Glass Filled Polyester, Color Black

SMT Type Header: High temperature plastic, Black

Flammability Rating: UL 94V-0

Contacts: Copper alloy

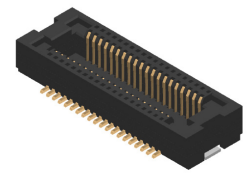
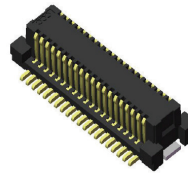
Contact plating: Gold over Nickel

See plating code for other options

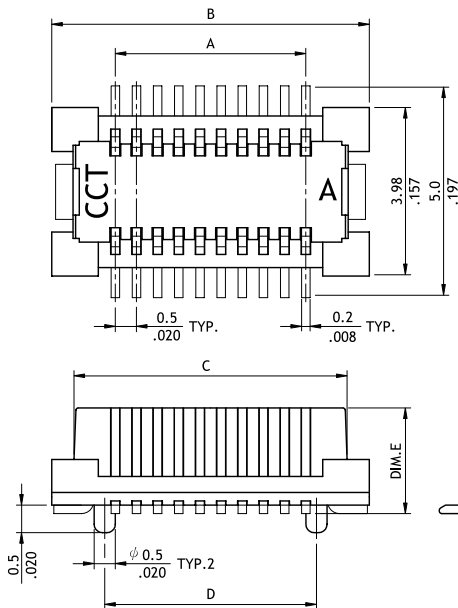
CBRB Series 0.50mm(.020") Board To Board Connectors

- Mating Height 2.5, 3.0, 3.5, 4.0, 5.0mm
- Insulator: High temperature plastic UL 94V-0, Color Black

RoHS Compliant

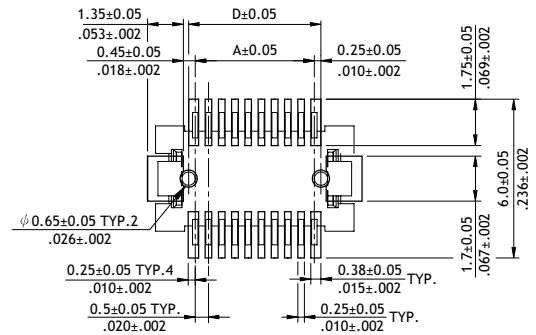


P/N CBRB***P*2FP1R0-NH



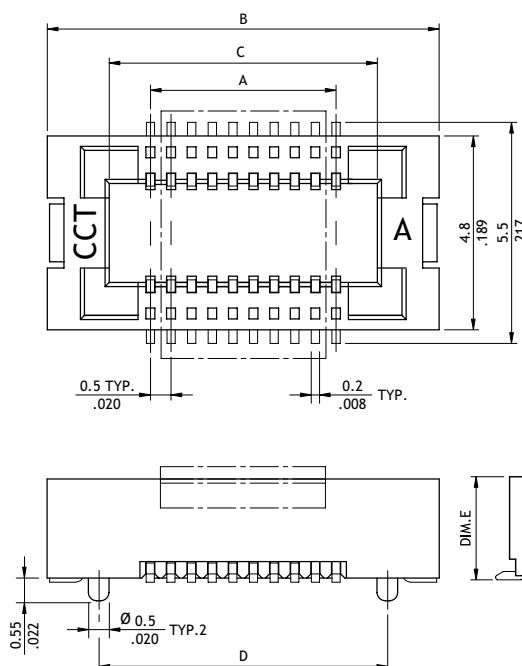
A = 0.5 * No. of Spaces
 B = A + 3.0
 C = A + 2.0
 D = A + 0.5

Mating Height	DIM.E
2.5, 3.0, 4.5 mm	2.0
3.5, 4.0, 5.0 mm	3.0



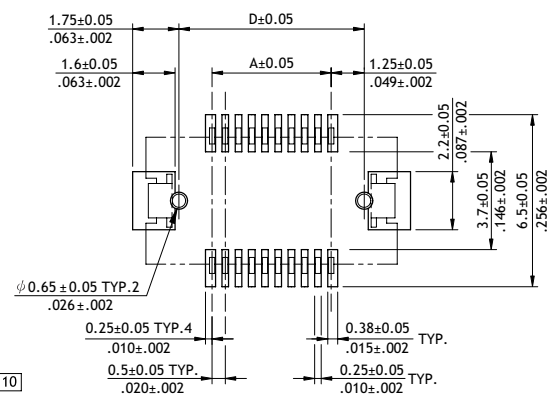
Recommended P.C. Board Layout

P/N CBRB***S*2FP1R0-NH



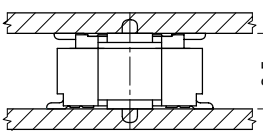
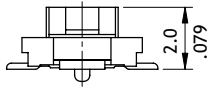
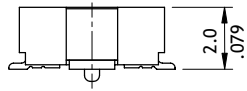
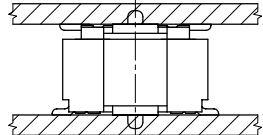
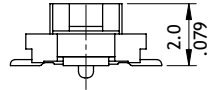
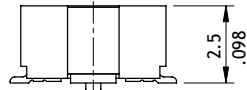
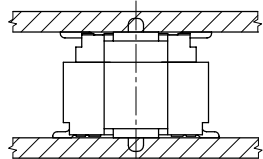
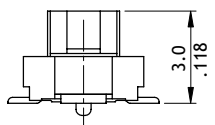
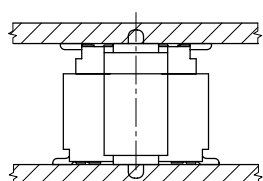
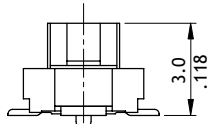
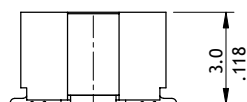
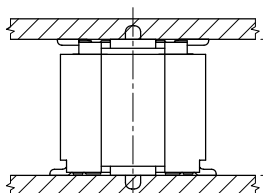
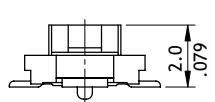
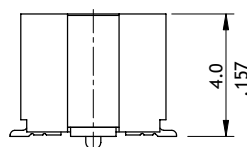
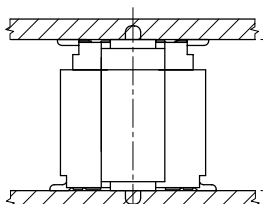
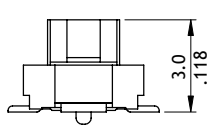
A = 0.5 * No. of Spaces
 B = A + 5.0
 C = A + 2.0
 D = A + 2.5

Mating Height	DIM.E
2.5 mm	2.0
3.0 / 3.5 mm	2.5
4.0 mm	3.0
4.5 / 5.0 mm	4.0



Recommended P.C. Board Layout

CBRB Series 0.50mm(.020") Board To Board Connectors

Mating Height	Plug	Receptacle
 2.5 .098	 2.0 .079 P/N:CBRB***PA2FP1R0	 2.0 .079 P/N:CBRB***SA2FP1R0
 3.0 .118	 2.0 .079 P/N:CBRB***PA2FP1R0	 2.5 .098 P/N:CBRB***SB2FP1R0
 3.5 .138	Circuits: 10~60 Pin  3.0 .118 P/N:CBRB***PC2FP1R0	
 4.0 .157	Circuits: 10~60 Pin  3.0 .118 P/N:CBRB***PC2FP1R0	 3.0 .118 P/N:CBRB***SC2FP1R0
 4.5 .177	 2.0 .079 P/N:CBRB***PA2FP1R0	 4.0 .157 P/N:CBRB***SE2FP1R0
 5.0 .197	Circuits: 10~60 Pin  3.0 .118 P/N:CBRB***PC2FP1R0	

Ordering Code

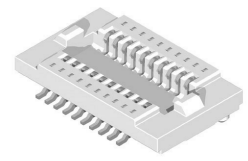
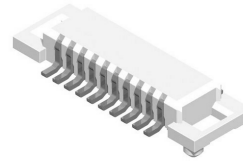
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩
C B R B 0 8 0 P A 2 F P 1 R 0 - N H

- ① Series No.
- ② No. of Circuits: 010 to 080
*Circuits not found above
please consult manufacturer
- ③ Connector Type: P = Plug, S = Receptacle
- ④ Height:
Plug: A: DIM.E = 2.0mm , C: DIM.E = 3.0mm
Receptacle:
A: DIM.E = 2.0mm , B: DIM.E = 2.5mm
C: DIM.E = 3.0mm , D: DIM.E = 4.0mm
- ⑤ Plating Code: 2 = Gold flash over Nickel
- ⑥ Tabs Options: F = With Fixed Tabs
0 = Without Fixed Tabs
- ⑦ Pegs Options: P1 = With Pegs
00 = Without Peg
- ⑧ Packing Options: R = Tape & Reel
- ⑨ Other Options: 0 = Standard
- ⑩ -NH = For Lead Free IR process and Halogen-Free

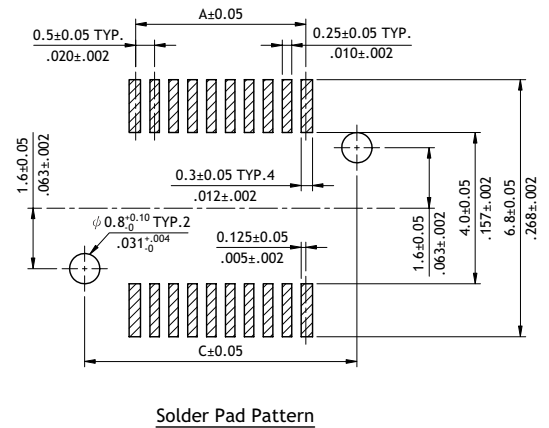
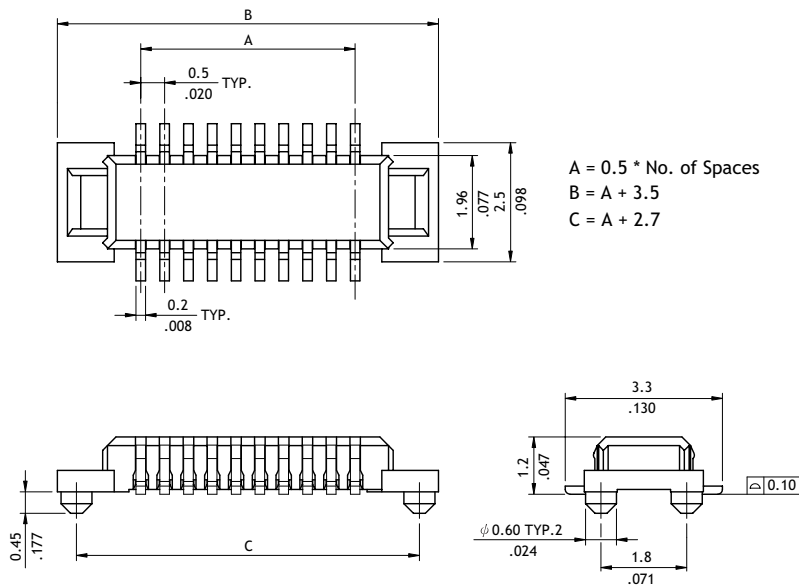
CBRC Series 0.50mm(.020") Board To Board Connectors

- Mating Height 1.5mm & 2.0mm
- Insulator: High temperature plastic UL 94V-0, Color Nature

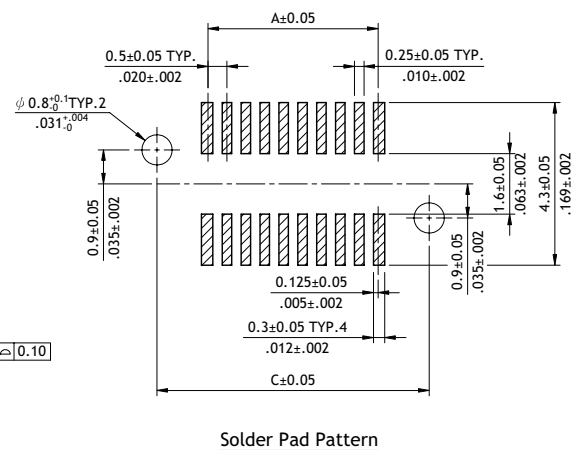
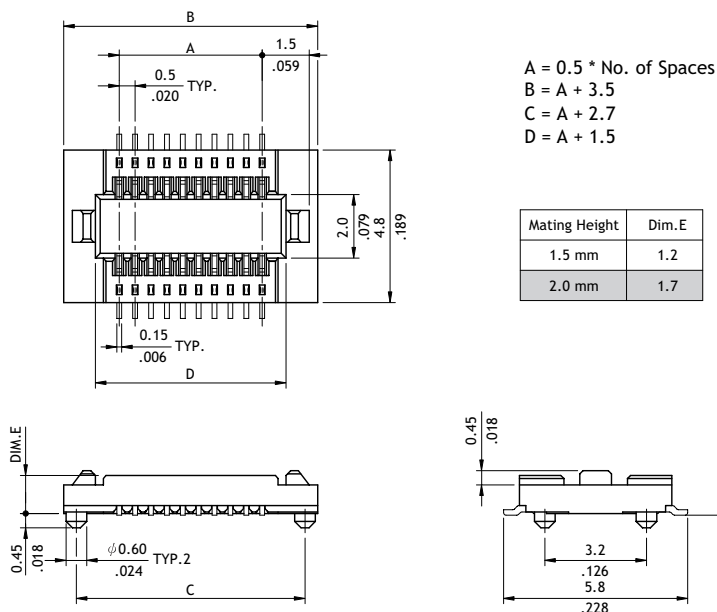
RoHS Compliant



P/N CBRC***P02001R0-NH



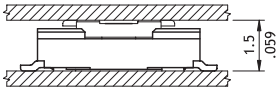
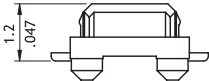
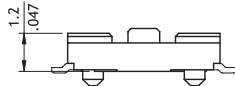
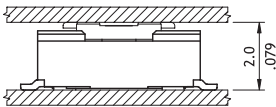
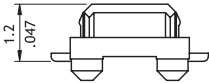
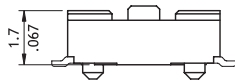
P/N CBRC***S*2001R0-NH



CBRC Series 0.50mm(.020") Board To Board Connectors

- Mating Height 1.5mm & 2.0mm
- Insulator: High temperature plastic UL 94V-0, Color Nature

RoHS Compliant  

Mating Height	Plug	Receptacle
	Circuits: 10, 16, 20, 22  P/N:CBRC***P0*001R0-NH	Circuits: 10, 16, 20, 22  P/N:CBRC***S0200*R0-NH
	Circuits: 10, 16, 20, 22  P/N:CBRC***P0*001R0-NH	Circuits: 10  P/N:CBRC***SA200*R0-NH

Ordering Code

1 2 3 4 5 6 7 8
CBRC 020 P0 2 001 R 0 - NH

- 1** Series No.

2 No. of Circuits: See above table
*Circuits not found above
please consult manufacturer

3 Connector Type:
P0 = Plug
S0 = Receptacle (DIM.E = 1.2mm)
SA = Receptacle (DIM.E = 1.7mm)
- 4** Plating Code:
2 = Gold flash over Nickel

5 Pegs Options: 000 = Without Peg
001 = With Pegs

6 Packing Options: R = Tape & Reel

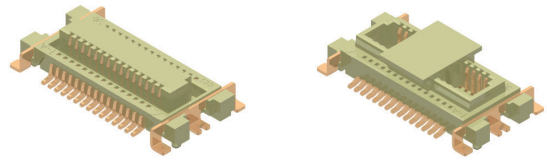
7 Other Options: 0 = Standard

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

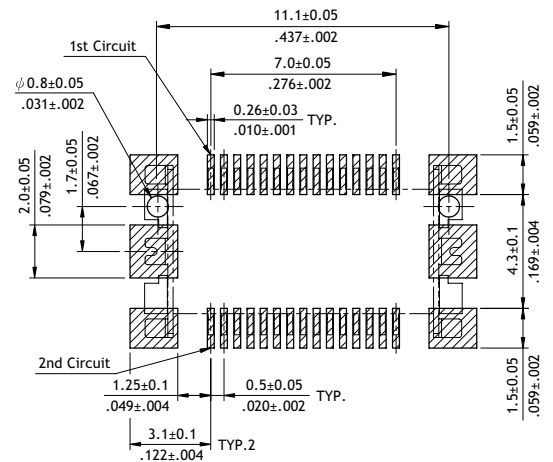
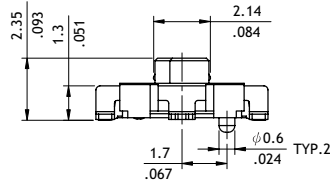
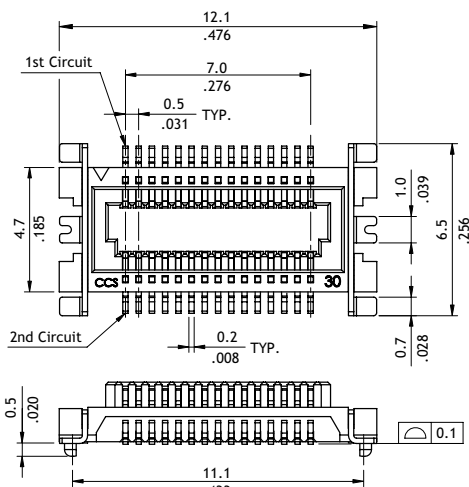
CBRE Series 0.50mm(.020") Board To Board Connectors

- Mating Height 3.0mm & 3.5mm
- Insulator: High temperature plastic UL 94V-0, Color Nature
- With metal fixed tabs to secure connector in place

RoHS Compliant  

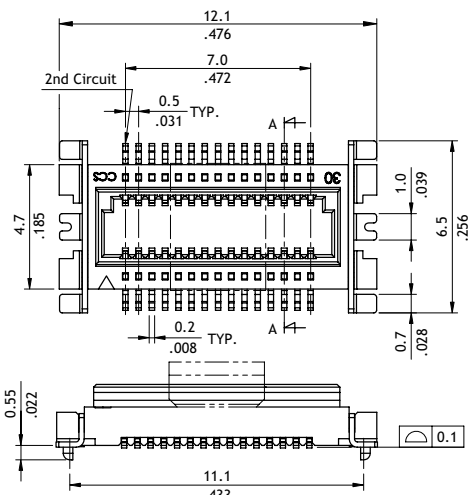


P/N CBRE***PA2FP1R0-NH

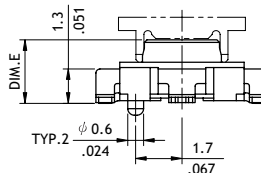


Sold Pad Pattern

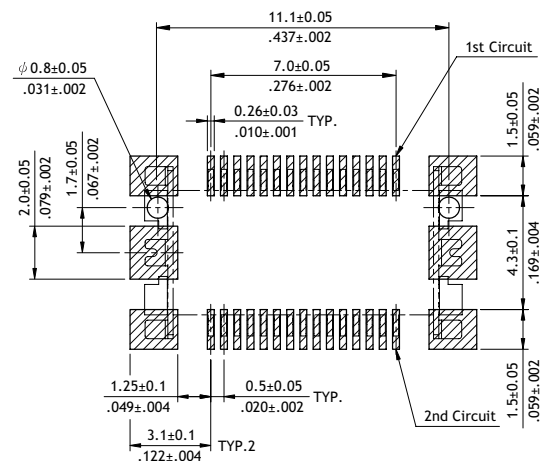
P/N CBRE***S*2FP1R0-NH



Mating Height	DIM.E
3.0 mm	2.35
3.5 mm	2.85



SEC.: A-A

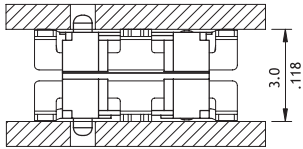
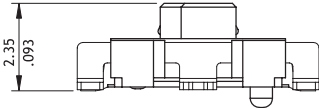
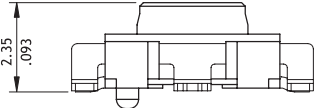
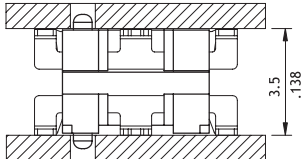
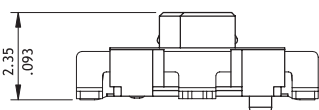
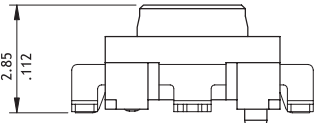


Sold Pad Pattern

CBRE Series 0.50mm(.020") Board To Board Connectors

- Mating Height 3.0mm & 3.5mm
- Insulator: High temperature plastic UL 94V-0, Color Nature

RoHS Compliant  

Mating Height	Plug	Receptacle
 3.0 .118	Circuits: 10, 20, 30  2.35 .093 P/N:CBRE***PA2FP1R0-NH	Circuits: 10, 30  2.35 .093 P/N:CBRE***SA2FP1R0-NH
 3.5 .138	Circuits: 10, 20, 30  2.35 .093 P/N:CBRE***PA2FP1R0-NH	Circuits: 20  2.85 .112 P/N:CBRE***SB2FP1R0-NH

Ordering Code

1 2 3 4 5 6 7 8 9
CBRE 030 PA 2 F P1 R 0 - NH

- 1** Series No.

2 No. of Circuits: See above table
*Circuits not found above
please consult manufacturer

3 Connector Type:
PA = Plug
SA = Receptacle (DIM.E = 2.35mm)
SB = Receptacle (DIM.E = 2.85mm)
- 4** Plating Code:
2 = Gold flash over Nickel

5 Fixed Tab Options:
F = With Fixed Tabs

6 Pegs Options: P1 = With Pegs

7 Packing Options: R = Tape & Reel

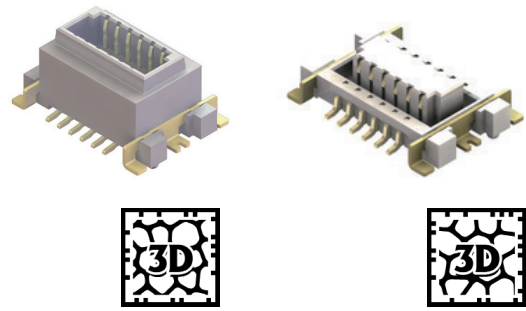
8 Other Options: 0 = Standard

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

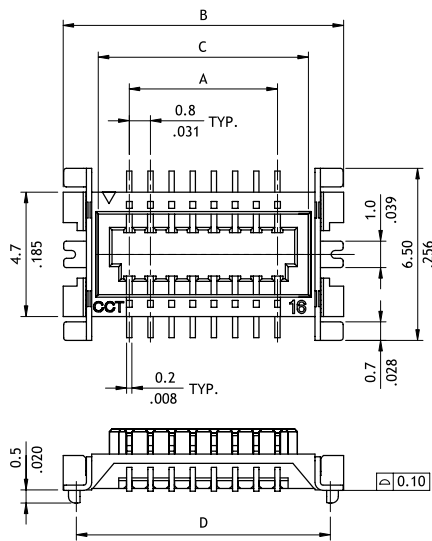
CBRD Series 0.80mm(.032") Board To Board Connectors

- Mating Height 4.0, 5.0 & 8.0mm
- Insulator: High temperature plastic UL 94V-0, Color Nature

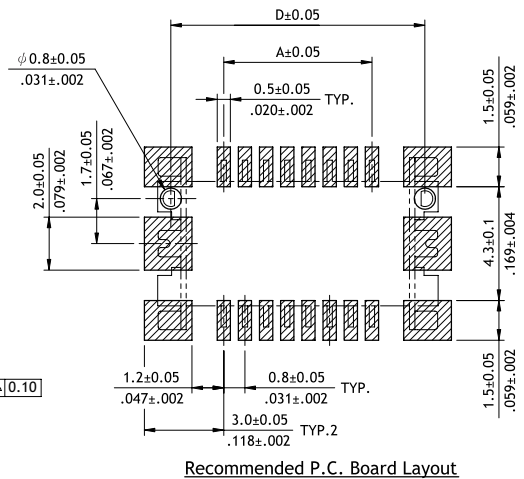
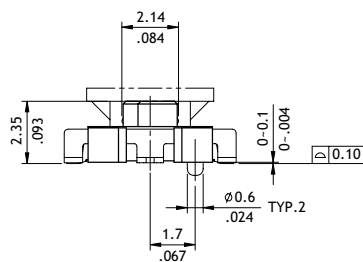
RoHS Compliant  



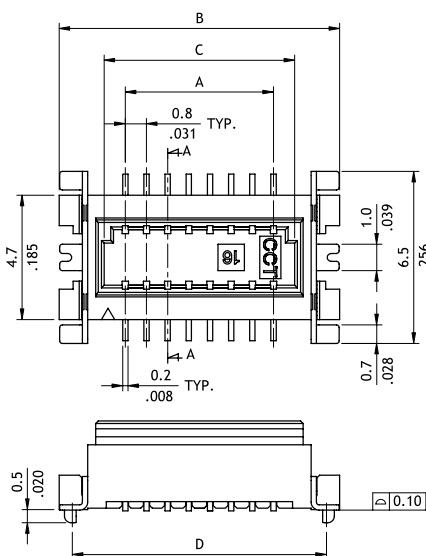
P/N CBRD***PA2***R0-NH



A = 0.8 * No. of Spaces
 B = A + 5.0
 C = A + 2.34
 D = A + 4.0

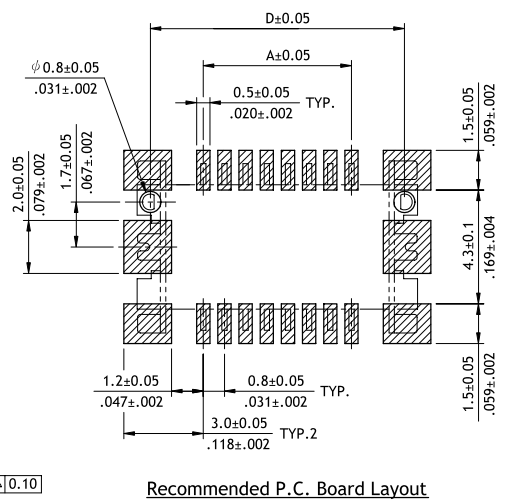
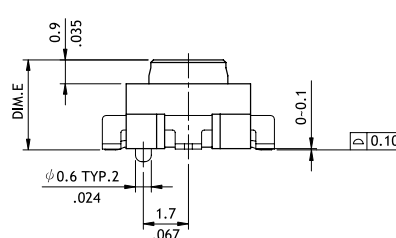


P/N CBRD***S2***R0-NH



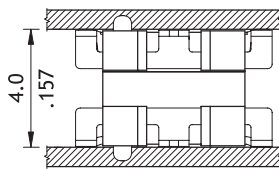
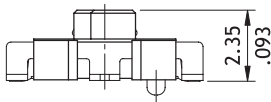
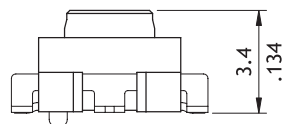
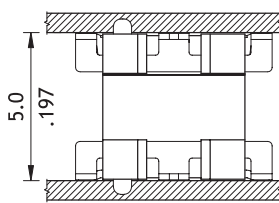
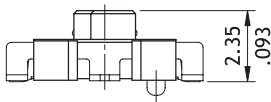
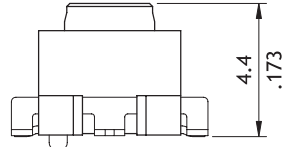
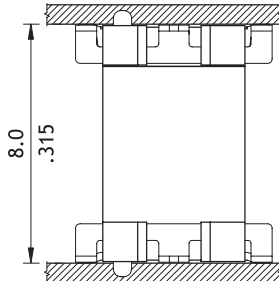
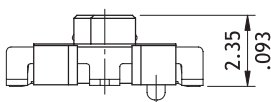
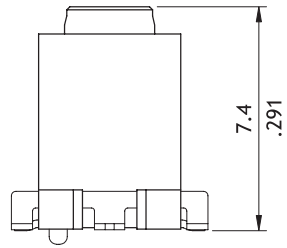
A = 0.8 * No. of Spaces
 B = A + 5.0
 C = A + 1.6
 D = A + 4.0

Mating Height	DIM.E
4.0 mm	3.4
5.0 mm	4.4
8.0 mm	7.4



CBRD Series 0.80mm(.032") Board To Board Connectors

◎ MOQ: 5000pcs but also based on MPQ

Mating Height	Plug	Receptacle
 4.0 .157	 2.35 .093 P/N:CBRD***PA2FP1R0-NH	 3.4 .134 P/N:CBRD***SA2FP1R0-NH
 5.0 .197	 2.35 .093 P/N:CBRD***PA2FP1R0-NH	 4.4 .173 P/N:CBRD***SB2FP1R0-NH
 8.0 .315	 2.35 .093 P/N:CBRD***PA2FP1R0-NH	 7.4 .291 P/N:CBRD***SE2FP1R0-NH

Ordering Code

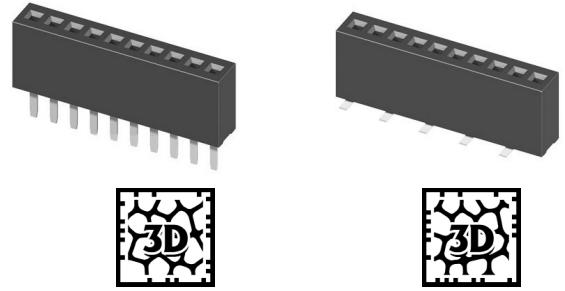
- ① Series No.
- ② No. of Circuits: 010 to 080
(Available: 10,12,14,16,20,24,30,34,36,40,50,60,80)
*Circuits not found above
please consult manufacturer
- ③ Connector Type: P = Plug
S = Receptacle

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩
C B R D 0 8 0 S A 2 F P 1 R 0 - N H

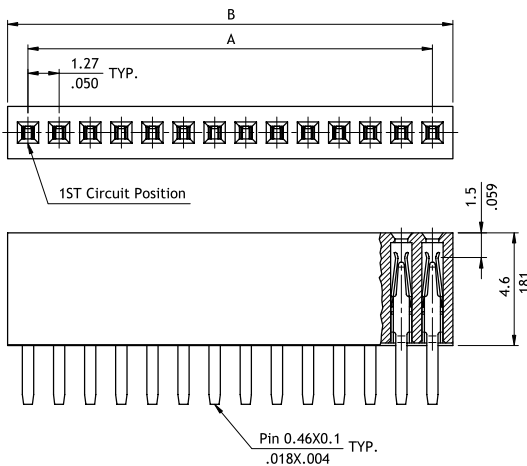
- ④ Height:
Plug: A: DIM.E = 2.35mm
Receptacle: A: DIM.E = 3.40mm
B: DIM.E = 4.40mm
E: DIM.E = 7.40mm
- ⑤ Plating Code:
2 = Gold flash over Nickel
- ⑥ Fixed Tab Options:
0 = Without Fixed Tab
F = With Fixed Tabs
- ⑦ Pegs Options: 00 = Without Peg
P1 = With Pegs
- ⑧ Packing Options: R = Tape & Reel
- ⑨ Other Options: 0 = Standard
- ⑩ -NH = For Lead Free IR process and Halogen-Free

CB01 Series 1.27mm(.050") Single Row Female Headers

○ Mates with CH01, CH02 and CH03 series

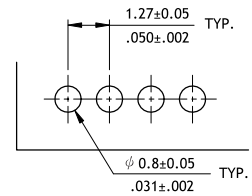
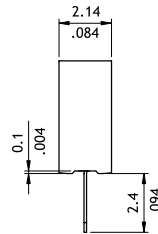


P/N CB01**2D100-NH



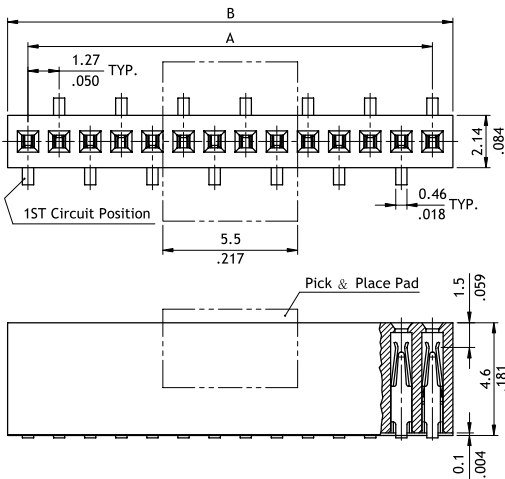
$$A = 1.27 * \text{No. of Spaces}$$

$$B = A + 1.67$$



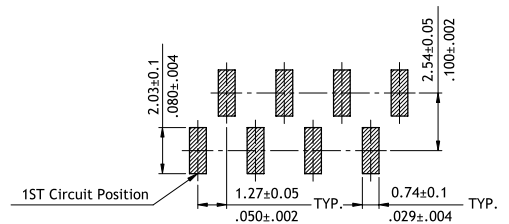
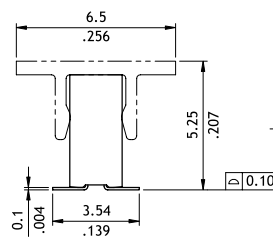
Recommended P.C. Board Layout

P/N CB01**2M100-2*-NH



$$A = 1.27 * \text{No. of Spaces}$$

$$B = A + 1.67$$



Recommended P.C. Board Layout

Ordering Code

1 **2** **3** **4** **5** **6** **7** **8** **9**
CB 0 1 5 0 2 M 1 0 0 - 2 P - NH

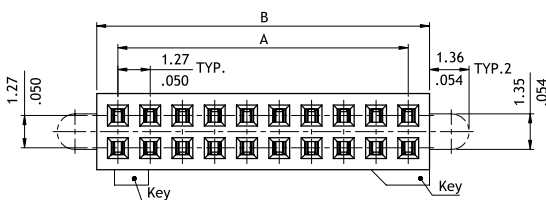
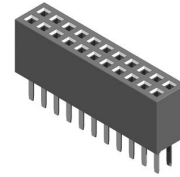
- 1** Series No.
- 2** No. of Circuits: 04 to 50
- 3** Plating Code: 2 = Gold flash over Nickel
- 4** Tail Style: M = SMT Type
D = DIP Type
- 5** Color: 1 = Black
- 6** Other Options: 00 = Standard

- 7** Mating Header Pin Size:
2 = 0.4mm Square Pin
- 8** Packing Options:
0 = Without Pick & Place Pad (Tube)
P = With Pick & Place Pad (Tape & Reel)
*Code 7 and 8 for SMT Type only
- 9** -NH = For Lead Free soldering process and Halogen-Free

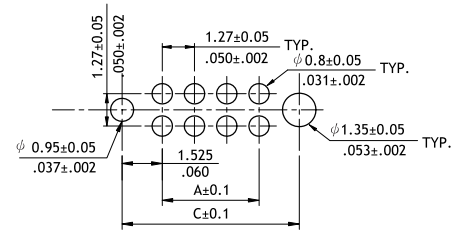
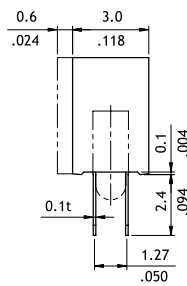
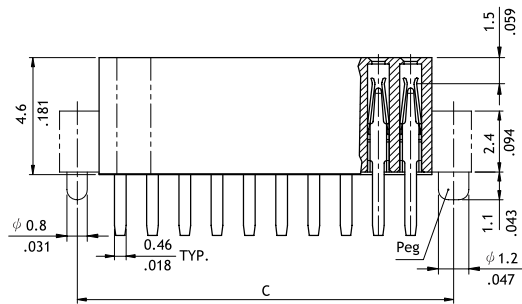
CBC1 Series 1.27mm(.050") Dual Row Female Headers

- Mates with 1.27mm pitch 0.40mm Square pin Header
- High performance contact design
- Low insertion Force, Anti-flux
- With PCB pegs options

RoHS Compliant  



A = 1.27 X No. of Spaces
B = A + 1.67
C = A + 3.05



Recommended P.C. Board Layout

Ordering Code

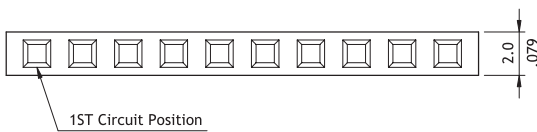
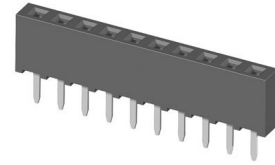
1 **2** **3** **4** **5** **6** **7**
CBC1 60 2 D 1 00 - NH

- 1** Series No.
- 2** No. of Circuits:
With keys: 10, 20, 30 to 60
Without keys: 06 to 60
- 3** Plating Code:
2 = Gold flash over Nickel
- 4** Tail Style: D = DIP Type
- 5** Color: 1 = Black
- 6** Other Options:
00 = Without Key and Peg
10 = With Keys and Pegs
20 = Without Key and With Pegs
- 7** -NH = For Lead Free soldering process and Halogen-Free

CB22 Series 2.00mm(.079") Single Row Female Headers

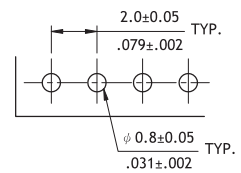
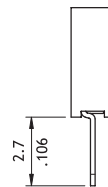
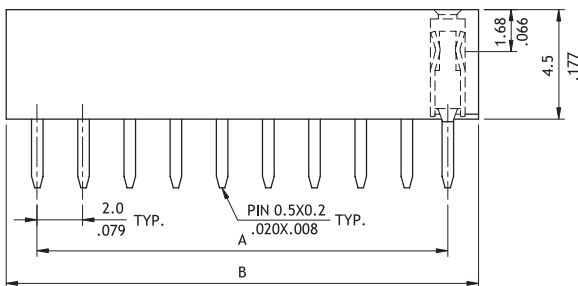
⊙ Mates with CH11 and CH21 series

RoHS Compliant



$$A = 2.0 * \text{No. of Spaces}$$

$$B = A + 2.6$$



Recommended P.C. Board Layout

Ordering Code

① ② ③ ④ ⑤ ⑥
CB 2 2 4 0 2 V 1 0 0

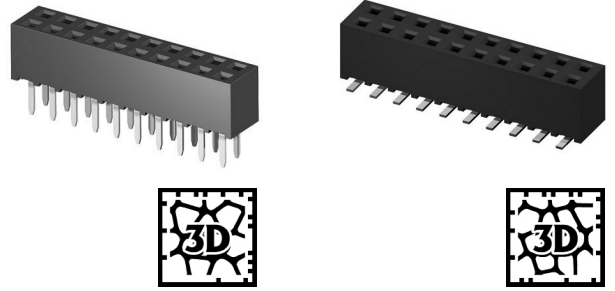
- ① Series No.
- ② No. of Circuits: 02 to 40
- ③ Plating Code:
2 = Gold flash over Nickel
- ④ Tail Style:
V = Straight

- ⑤ Color: 1 = Black
- ⑥ Other Options:
00 = Standard
*Special options consult manufacturer

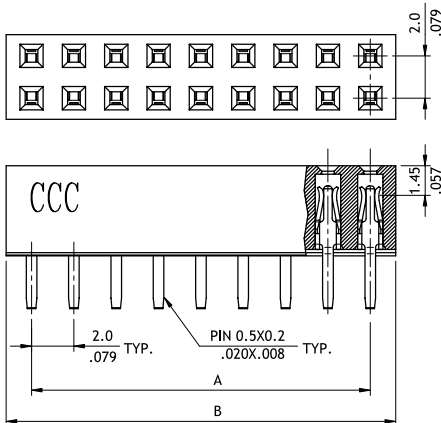
CB74 Series 2.00mm(.079") Dual Row Female Headers

⊙ Mates with CH71, CH72 and CH75 series

RoHS Compliant

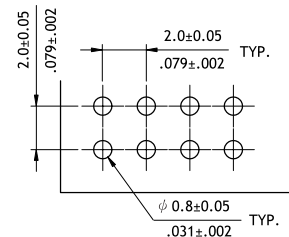
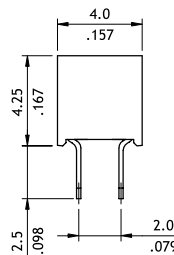


P/N CB74**2V100-NH



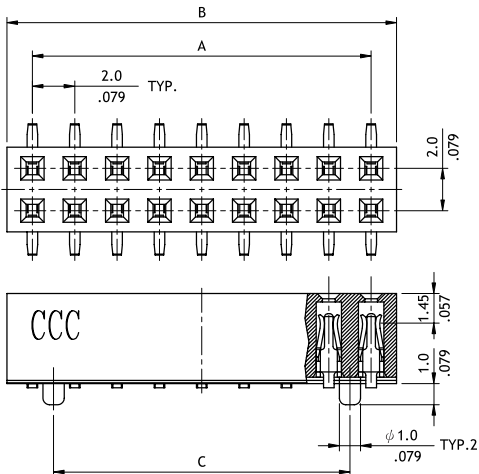
$$A = 2.0 * \text{No. of Spaces}$$

$$B = A + 2.4$$



Recommended P.C. Board Layout

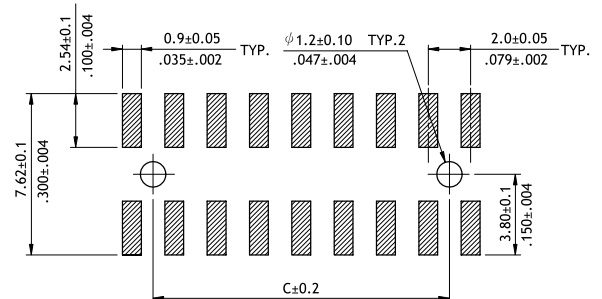
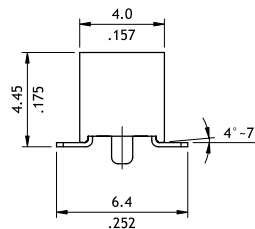
P/N CB74**2M100-NH



$$A = 2.0 * \text{No. of Spaces}$$

$$B = A + 2.4$$

$$C = A - 2.0$$



Recommended P.C. Board Layout

Ordering Code

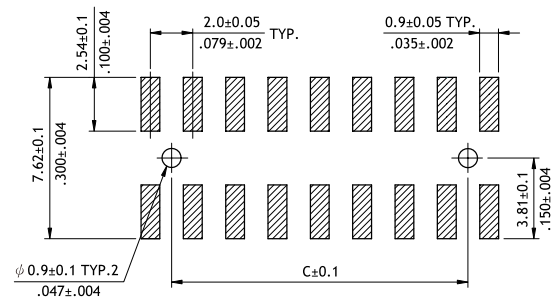
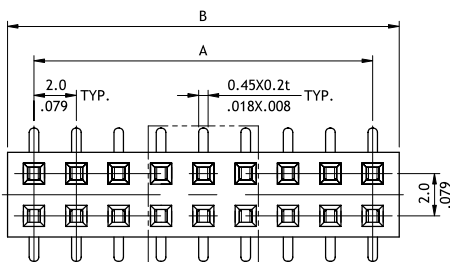
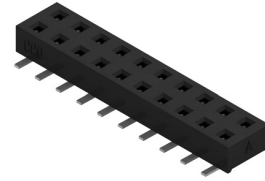
1 **2** **3** **4** **5** **6** **7**
CB 7 4 8 0 2 M 1 0 0 - NH

- 1** Series No.
- 2** No. of Circuits: 04 to 80
- 3** Plating Code:
2 = Gold flash over Nickel
- 4** Tail Style:
V = Top Entry DIP Type
M = Top Entry SMT Type

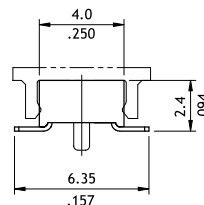
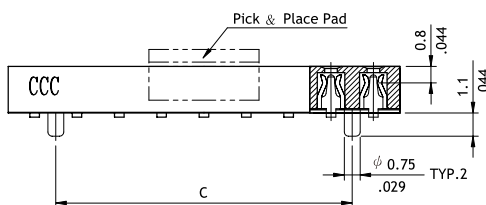
- 5** Color: 1 = Black
- 6** Other Options:
00 = Standard
*Special options consult manufacturer
- 7** -NH = For Lead Free soldering process and Halogen-Free

CB76 Series 2.00mm(.079") Dual Row Female Headers

☉ Mate with CH71, CH72 and CH75 series



Recommended P.C. Board Layout



A = 2.0 * No. of Spaces
B = A + 2.5
C = A - 2.0

Ordering Code

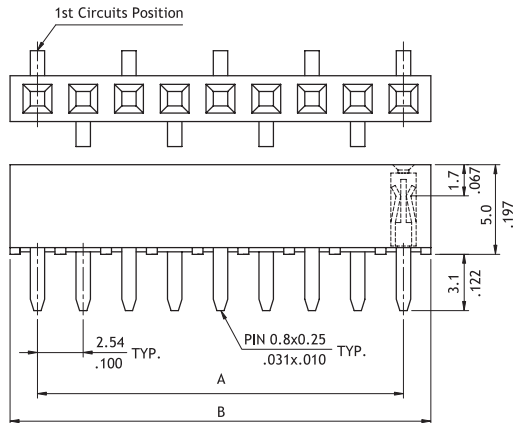
1 **2** **3** **4** **5** **6** **7** **8**
CB 7 6 **8 0** **2** **M** **1** **0** **0** **- NH**

- 1** Series No.
- 2** No. of Circuits: 04 to 80
- 3** Plating Code:
2 = Gold flash over Nickel
- 4** Tail Style: M = SMT Type
- 5** Color: 1 = Black
- 6** Pegs Options:
0 = With Pegs
1 = Without Peg
- 7** Other Options:
0 = Tube packing
R = Tape & Reel (With Pick & Place Pad)
- 8** -NH = For Lead Free IR process and Halogen-Free

CB33 Series 2.54mm(.100") Single Row Dual Entry Female Header

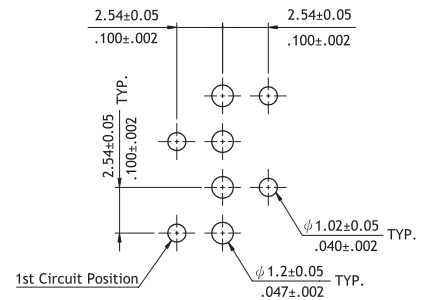
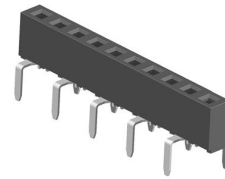
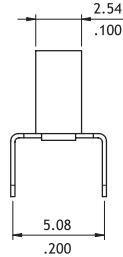
⊙ Mates with CH31 and CH34 series

RoHS Compliant



$$A = 2.54 * \text{No. of Spaces}$$

$$B = A + 2.64$$



Recommended P.C. Board Layout

Ordering Code

1 2 3 4 5 6
CB 3 3 4 0 2 R 1 0 0

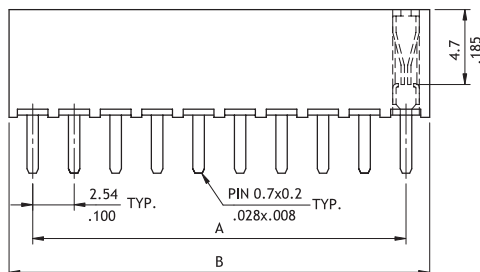
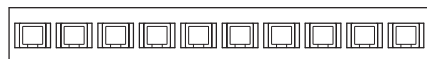
- ❶ Series No.
- ❷ No. of Circuits: 02 to 40
- ❸ Plating Code: 2 = Gold flash over Nickel
- ❹ Tail Style: R = Dual Entries

- ❺ Color: 1 = Black
- ❻ Other Options:
00 = Standard
*Special options consult manufacturer

CB37 Series 2.54mm(.100") Single Row Female Headers

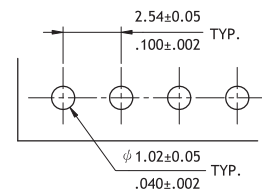
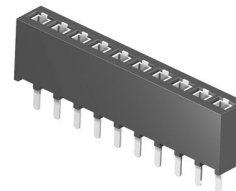
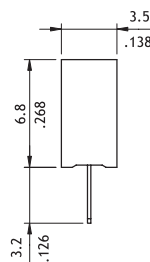
⊙ Mates with CH31 and CH34 series

RoHS Compliant



$$A = 2.54 * \text{No. of Spaces}$$

$$B = A + 2.5$$



Recommended P.C. Board Layout

Ordering Code

1 2 3 4 5 6
CB 3 7 4 0 A V 1 0 0

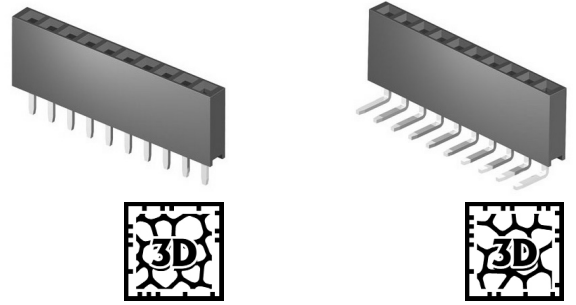
- ❶ Series No.
- ❷ No. of Circuits: 02 to 40
- ❸ Plating Code: A = Selective Gold flash over Nickel
- ❹ Tail Style: V = Vertical

- ❺ Color: 1 = Black
- ❻ Other Options:
00 = Standard
*Special options consult manufacturer

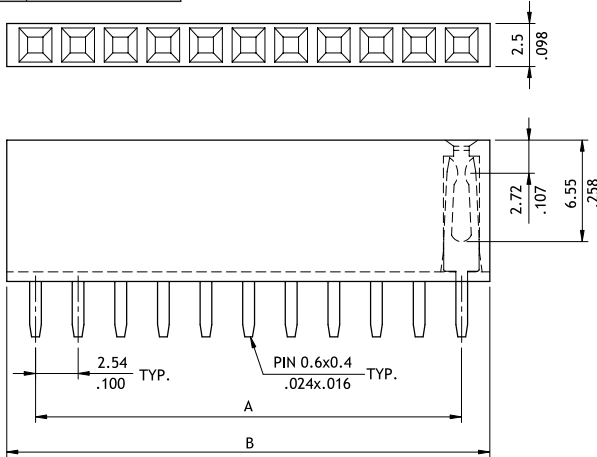
CB39 Series 2.54mm(.100") Single Row Female Headers

⊙ Mates with CH31 and CH34 series

RoHS Compliant

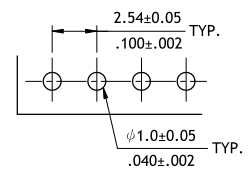
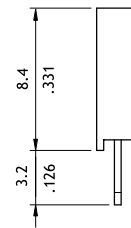


P/N CB39**2V100



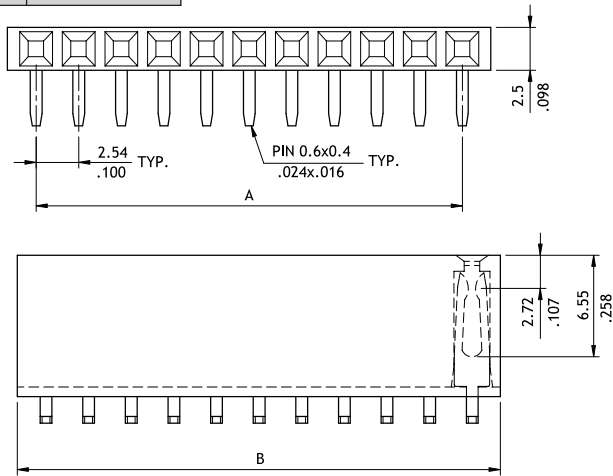
$$A = 2.54 * \text{No. of Spaces}$$

$$B = A + 3.04$$



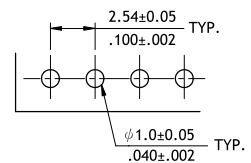
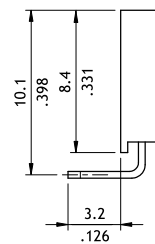
Recommended P.C. Board Layout

P/N CB39**2H100



$$A = 2.54 * \text{No. of Spaces}$$

$$B = A + 3.04$$



Recommended P.C. Board Layout

Ordering Code

1 **2** **3** **4** **5** **6**
CB 3 9 **4 0** **2** **V** **1** **0 0**

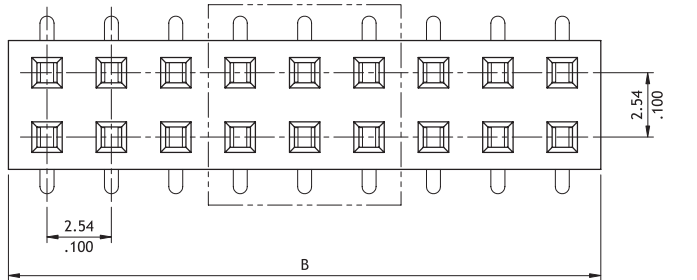
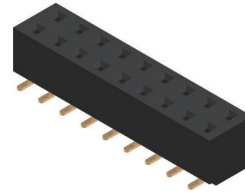
- 1** Series No.
- 2** No. of Circuits: 02 to 40
- 3** Plating Code:
2 = Gold flash over Nickel
- 4** Tail Style: V = Vertical
H = Right Angle

- 5** Color: 1 = Black
- 6** Other Options:
0 = Standard
*Special options consult manufacturer

CB41 Series 2.54mm(.100") Dual Row Female Headers

⊙ Mates with CH81, CH84, CH85 and CH88 series

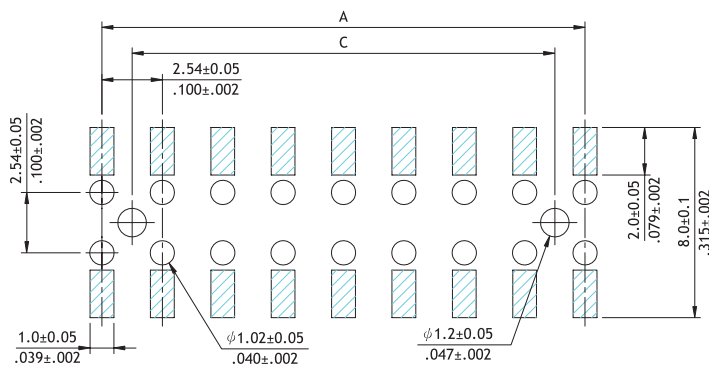
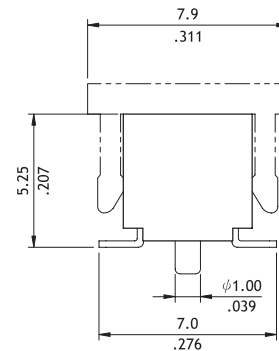
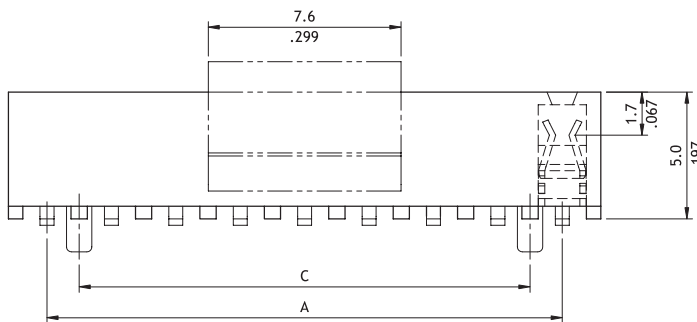
RoHS Compliant



Dim. A = 2.54 X No. of Spaces

Dim. B = Dim. A + 3.4

Dim. C = Dim. A - 2.54



Recommended P.C. Board Layout

Ordering Code

1 2 3 4 5 6
CB 4 1 8 0 2 M 1 R 0

1 Series No.

2 No. of Circuits: 04 to 80

3 Plating Code:

2 = Gold flash over 1.27 μ m (50 μ ") Nickel

4 Tail Style: M = SMT Type

5 Color: 1 = Black

6 Other Options:

P0 = With Pad & Without Pegs (Tube Packing)

PP = With Pad & With Pegs (Tube Packing)

R0 = With Pad & Without Peg (Reel Packing)

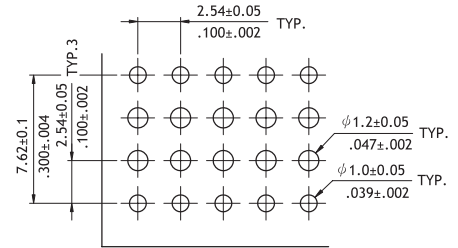
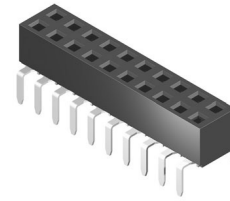
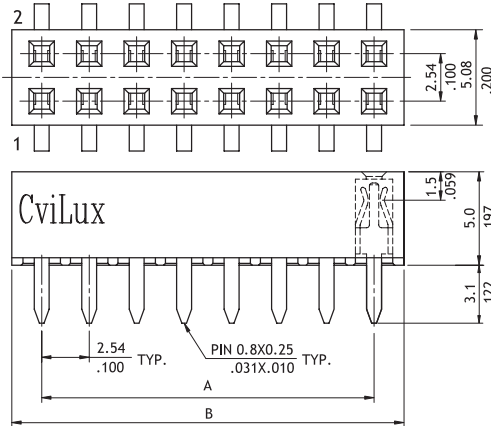
RP = With Pad & With Pegs (Reel Packing)

*Special options consult manufacturer

CB83 Series 2.54mm(.100") Dual Row Female Headers

⊙ Mates with CH81, CH84 and CH85 series

RoHS Compliant



Recommended P.C. Board Layout

Ordering Code

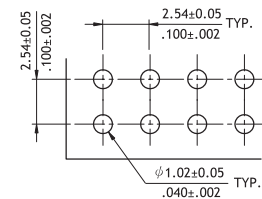
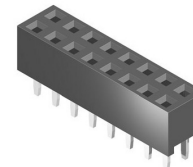
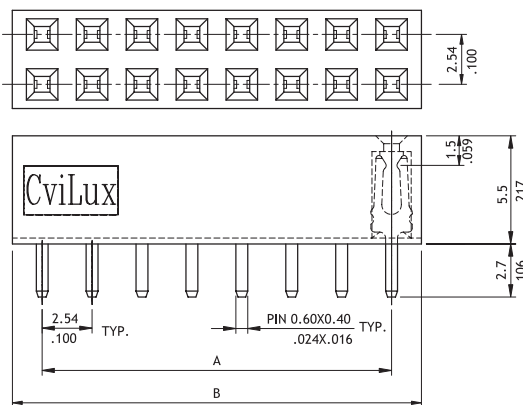
1 **2** **3** **4** **5** **6**
CB 8 3 **8 0** **2** **R** **1** **0 0**

- 1** Series No.
 - 2** No. of Circuits: 04 to 80
 - 3** Plating Code: 2 = Gold flash over Nickel
 - 4** Tail Style: R = Dual Entries
 - 5** Color: 1 = Black
 - 6** Other Options: 00 = Standard
- *Special options consult manufacturer

CB85 Series 2.54mm(.100") Dual Row Female Headers

⊙ Mates with CH81, CH84 and CH85 series

RoHS Compliant



Recommended P.C. Board Layout

Ordering Code

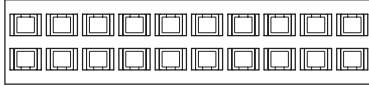
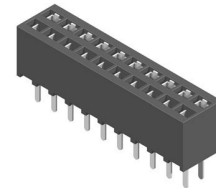
1 **2** **3** **4** **5** **6**
CB 8 5 **8 0** **2** **V** **1** **0 0**

- 1** Series No.
 - 2** No. of Circuits: 04 to 80
 - 3** Plating Code: 2 = Gold flash over Nickel
 - 4** Tail Style: V = Vertical
 - 5** Color: 1 = Black
 - 6** Other Options: 00 = Standard
- *Special options consult manufacturer

CB87 Series 2.54mm(.100") Dual Row Female Headers

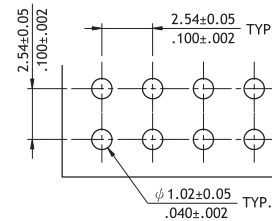
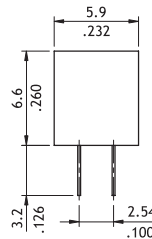
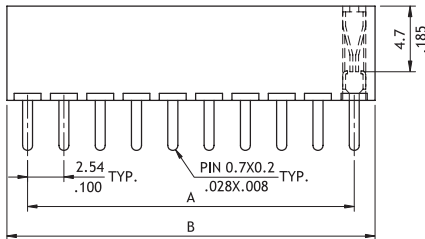
⊙ Mates with CH81, CH84 and CH85 series

RoHS Compliant



$$A = 2.54 * \text{No. of Spaces}$$

$$B = A + 2.5$$



Recommended P.C. Board Layout

Ordering Code

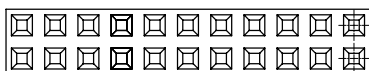
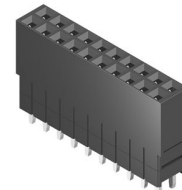
1 **2** **3** **4** **5** **6**
CB 8 7 **8 0** **A** **V** **1** **0 0**

- 1** Series No.
- 2** No. of Circuits: 04 to 80
- 3** Plating Code: A = Selective Gold flash over Nickel
- 4** Tail Style: V = Vertical
- 5** Color: 1 = Black
- 6** Other Options:
00 = Standard
*Special options consult manufacturer

CB96 Series 2.54mm(.100") Dual Row Elevated Female Headers

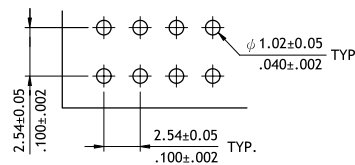
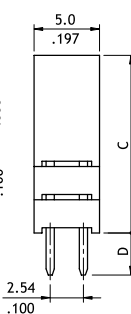
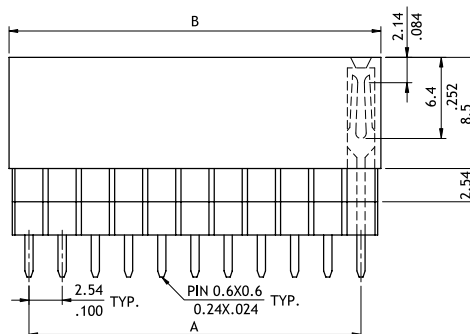
⊙ Mates with CH81, CH84 and CH85 series

RoHS Compliant



$$A = 2.54 * \text{No. of Spaces}$$

$$B = A + 3.04$$



Recommended P.C. Board Layout

Option Codes	Dimension	
	C	D
00	11.05(.435)	2.3(.091)
1Y	11.05(.435)	7.3(.287)
2Y	13.59(.535)	4.8(.189)
3Y	16.13(.635)	2.3(.091)
1Z	11.05(.435)	12.2(.480)
2Z	13.59(.535)	9.6(.378)
3Z	16.13(.635)	7.1(.280)
4Z	18.67(.735)	4.6(.181)
2W	13.59(.535)	3.4(.134)
2V	13.58(.535)	3.0(.118)

Ordering Code

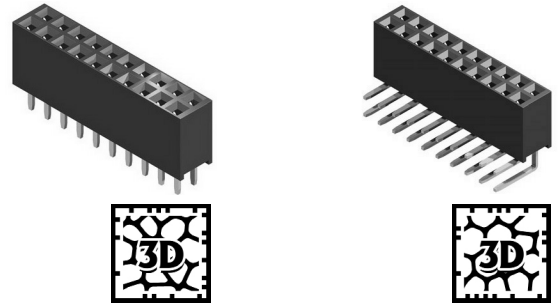
1 **2** **3** **4** **5** **6**
CB 9 6 **8 0** **2** **V** **1** **0 0**

- 1** Series No.
- 2** No. of Circuits: 06 to 80
- 3** Plating Code: 2 = Gold flash over Nickel
- 4** Tail Style: V = Vertical
- 5** Color: 1 = Black
- 6** Other Options:
see option code table
*Special options consult manufacturer

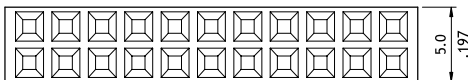
CB91 Series 2.54mm(.100") Dual Row Female Headers

⊙ Mates with CH81, CH84 and CH85 series

RoHS Compliant

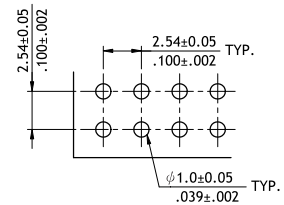
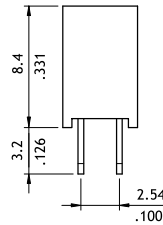
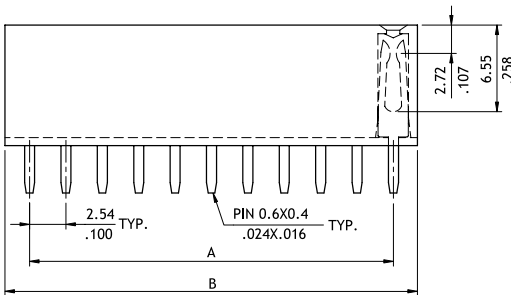


P/N CB91**2V100



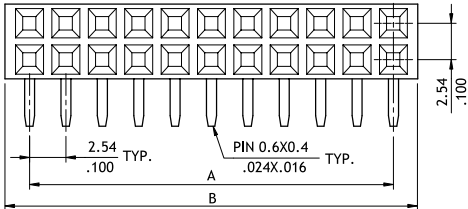
$$A = 2.54 * \text{No. of Spaces}$$

$$B = A + 3.04$$



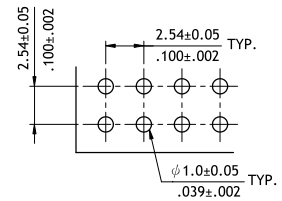
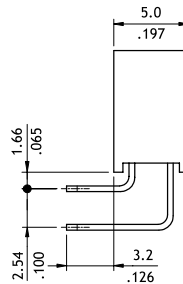
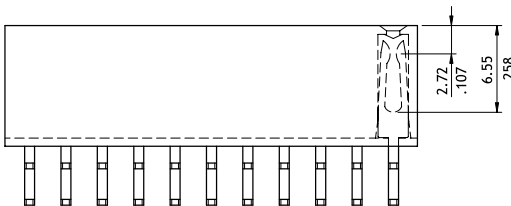
Recommended P.C. Board Layout

P/N CB91**2H100



$$A = 2.54 * \text{No. of Spaces}$$

$$B = A + 3.0$$



Recommended P.C. Board Layout

Ordering Code

1 **2** **3** **4** **5** **6**
CB 9 1 **8 0** **2** **V** **1** **0 0**

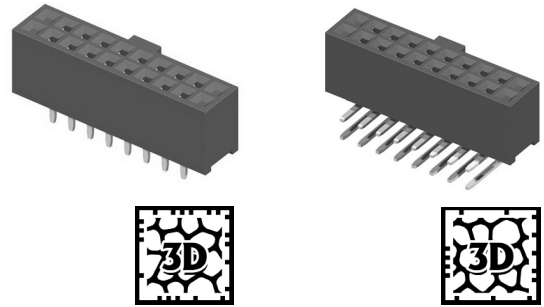
- ❶ Series No.
- ❷ No. of Circuits: 04 to 50, 60, 64, 66, 80
- ❸ Plating Code:
2 = Gold flash over Nickel
- ❹ Tail Style: V = Vertical
H = Right Angle

- ❺ Color: 1 = Black
- ❻ Other Options:
00 = Standard
*Special options consult manufacturer

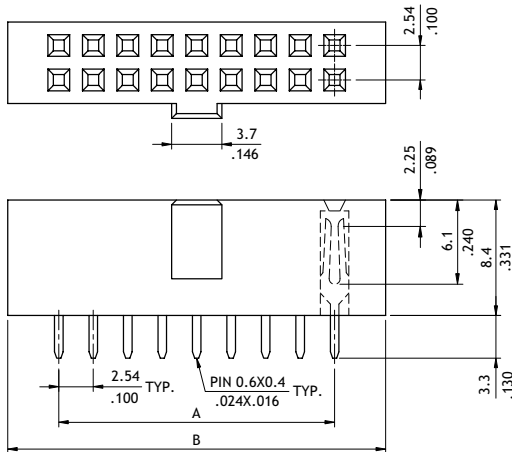
CB94 Series 2.54mm(.100") Dual Row Female Headers

⊙ Mates with CH81, CH84, CH85, CH87 and CH88 series

RoHS Compliant

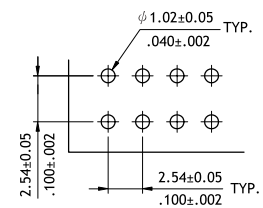
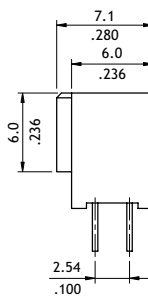


P/N CB94**2V100



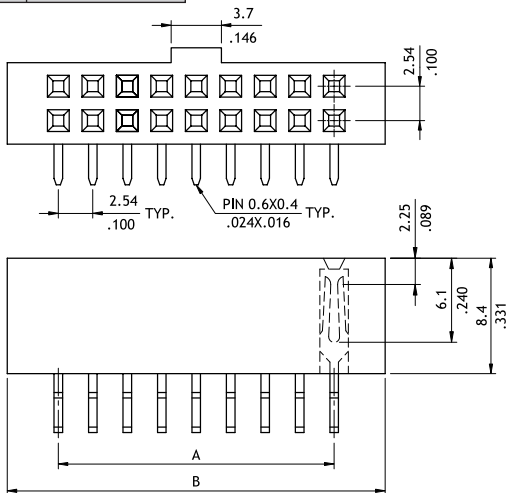
$$A = 2.54 * \text{No. of Spaces}$$

$$B = A + 7.34$$



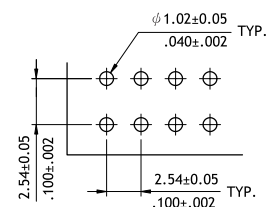
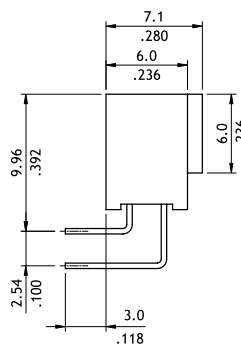
Recommended P.C. Board Layout

P/N CB94**2H100



$$A = 2.54 * \text{No. of Spaces}$$

$$B = A + 7.34$$



Recommended P.C. Board Layout

Ordering Code

① CB ② 9 ③ 4 ④ 6 ⑤ 4 ⑥ 2 ⑦ V ⑧ 1 ⑨ 0 ⑩ 0

① Series No.

② No. of Circuits: 06 to 64

(Available: 6,8,10,12,14,16,20,24,26,
30,34,40,50,60,64)

*Circuits not found above
please consult manufacturer

③ Plating Code:

2 = Gold flash over Nickel

④ Tail Style: V = Vertical

H = Right Angle

⑤ Color: 1 = Black

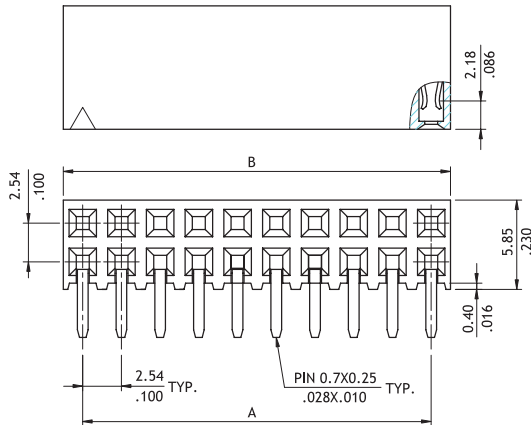
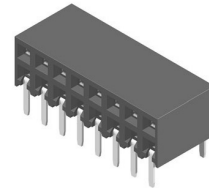
⑥ Other Options: 00 = Standard

*Special options consult manufacturer

CB97 Series 2.54mm(.100") Dual Row Side Entry Female Headers

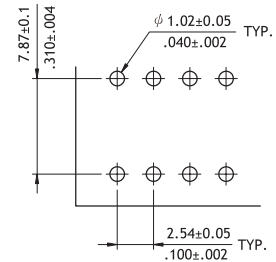
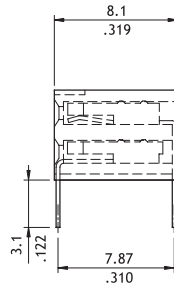
⊙ Mates with CH81, CH82, CH83 and CH84 series

RoHS Compliant



$$A = 2.54 * \text{No. of Spaces}$$

$$B = A + 2.54$$



Recommended P.C. Board Layout

Ordering Code

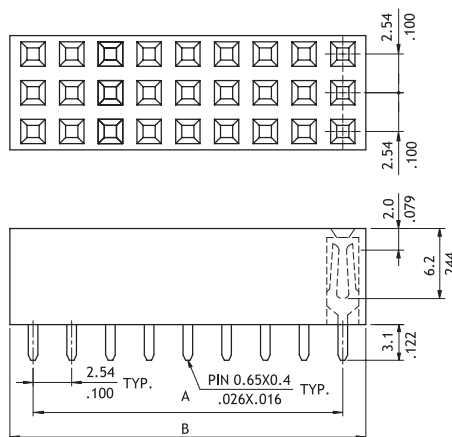
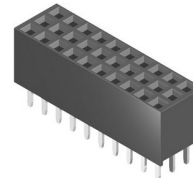
1 **2** **3** **4** **5** **6**
CB 9 7 **4 0** **2** **H** **1** **0 0**

- 1** Series No.
- 2** No. of Circuits: 04 to 40
- 3** Plating Code: 2 = Gold flash over Nickel
- 4** Tail Style: H = Right Angle
- 5** Color: 1 = Black
- 6** Other Options:
 00 = Standard
 *Special options consult manufacturer

CB98 Series 2.54mm(.100") Triple Row Female Headers

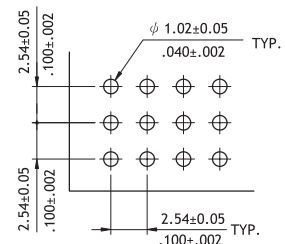
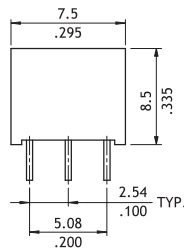
⊙ Mates with CH96 series

RoHS Compliant



$$A = 2.54 * \text{No. of Spaces}$$

$$B = A + 3.04$$



Recommended P.C. Board Layout

Ordering Code

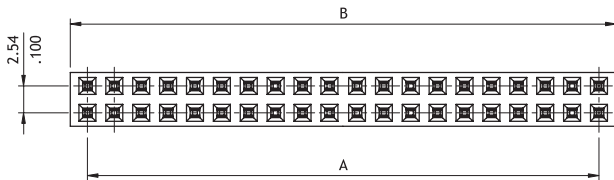
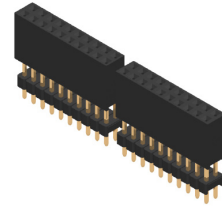
1 **2** **3** **4** **5** **6**
CB 9 8 **X 2** **2** **V** **1** **0 0**

- 1** Series No.
- 2** No. of Circuits: 09 to 99, X2=120
- 3** Plating Code: 2 = Gold flash over Nickel
- 4** Tail Style: V = Vertical
- 5** Color: 1 = Black
- 6** Other Options:
 00 = Standard
 *Special options consult manufacturer

CB86 Series 2.54mm(.100") Dual Row Female Headers

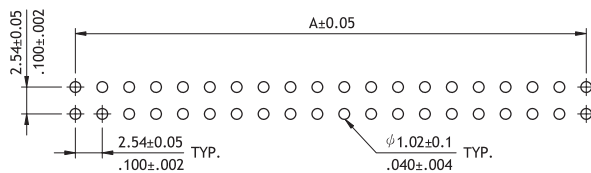
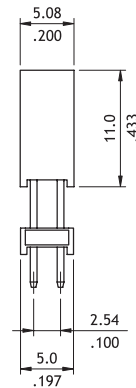
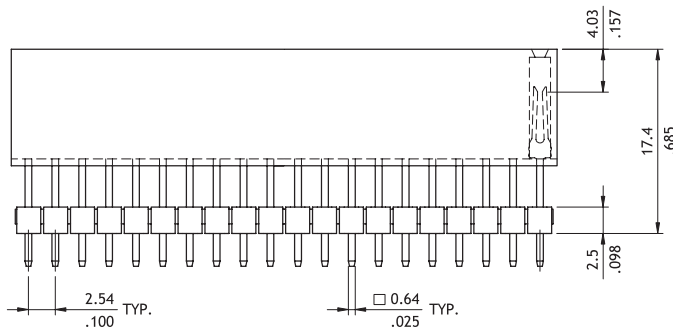
⊙ Mates with CH81, CH84, CH85, CH87 and CH88 series

RoHS Compliant



$$A = 2.54 * \text{No. of Spaces}$$

$$B = A + 3.24$$



Recommended P.C. Board Layout

Ordering Code

① CB ② 8 ③ 6 ④ V ⑤ 1 ⑥ 00

① Series No.

② No. of Circuits: 04 to 80

③ Plating Code:

2 = Gold flash over 1.27 μm (50 μ ") Nickel

④ Tail Style:

V = Vertical

⑤ Color: 1 = Black

⑥ Other Options: 00 = Standard

*Special options consult manufacturer