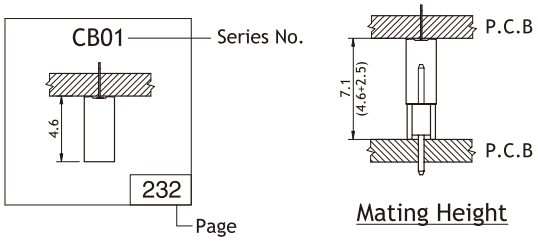
System CB Board To Board Connectors Selection Index

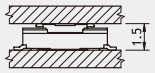
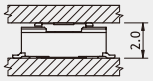
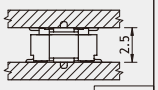
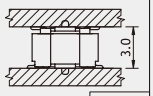
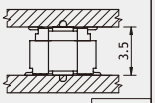
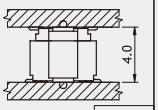
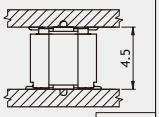
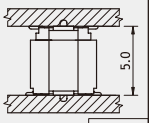
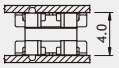
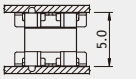
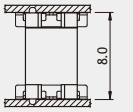
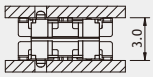
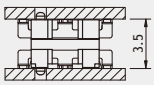
◎ Mating height of pitch 0.5mm and 0.8mm connectors shown as below table;

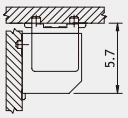
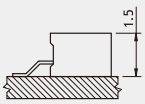
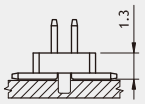
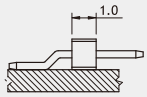
◎ Mating height of pitch 1.27mm connectors or above, please refer to below table and add the height of male and female insulator body.

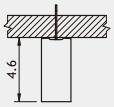
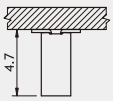
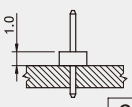
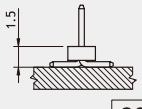
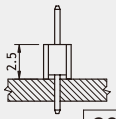
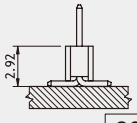
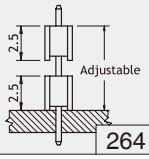
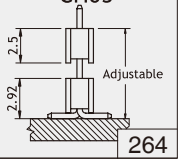
◎ Example (For Pitch 1.27mm or above)



◎ Configuration

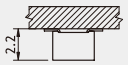
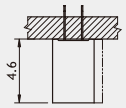
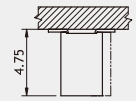
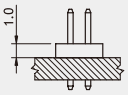
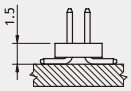
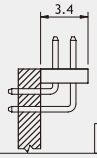
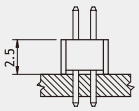
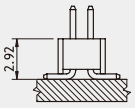
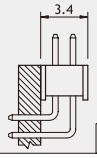
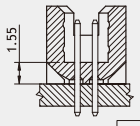
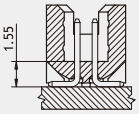
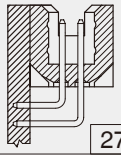
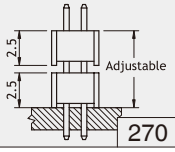
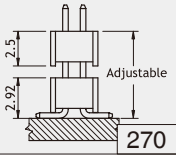
0.50mm Center spacing						
Dual Rows Board to Board	CBRC  235	CBRC  235				
	CBRB  233	CBRB  233	CBRB  233	CBRB  233	CBRB  233	CBRB  233
	CBRD  239	CBRD  239	CBRD  239	CBRE  237	CBRE  237	

0.80mm Center spacing			1.0mm Center spacing		
Dual Rows Board to Board	CBC3 & CHC3  241&260	Single Row Female Header	CB03  242	CH16  261	CH07  261

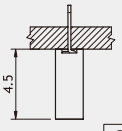
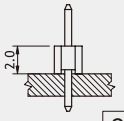
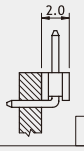
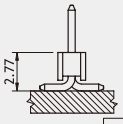
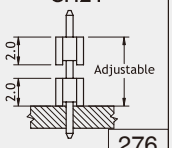
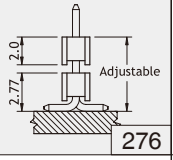
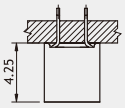
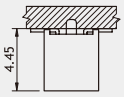
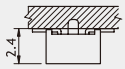
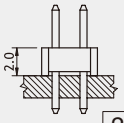
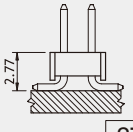
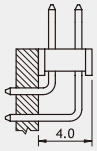
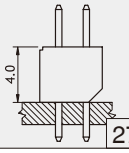
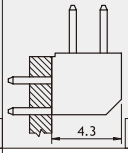
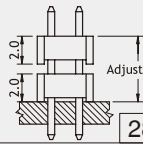
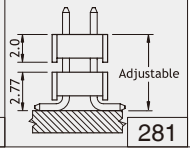
1.27mm Center spacing						
Single Row Female Header	CB01  243	CB01  243				
Single Row Header	CH01  262	CH01  262	CH02  263	CH02  263	CH03  264	CH03  264

System CB Board To Board Connectors Selection Index

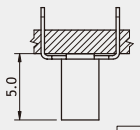
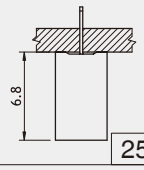
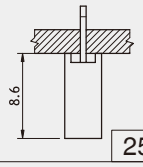
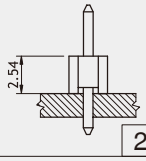
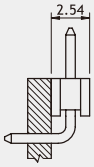
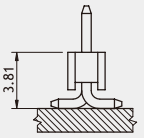
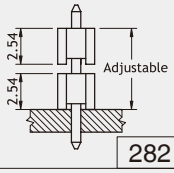
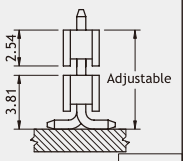
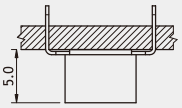
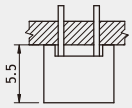
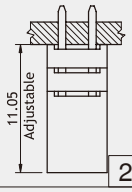
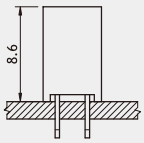
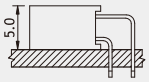
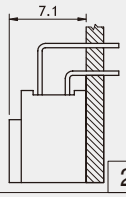
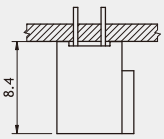
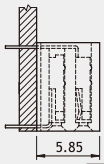
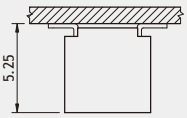
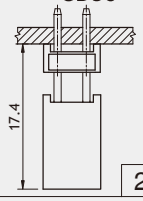
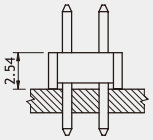
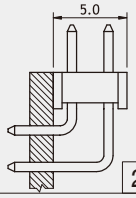
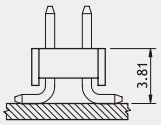
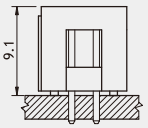
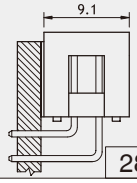
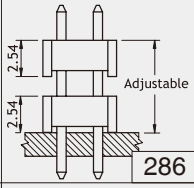
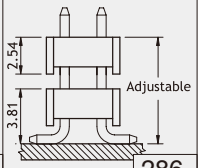
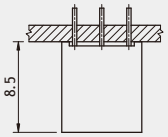
1.27mm Center spacing

Dual Rows Female Header	CB50  244	CBC1  245	CBC1  245			
Dual Rows Header	CH51  266	CH51  266	CH51  266	CH52  268	CH52  268	CH52  268
	CHC2  271	CHC2  271	CHC2  271	CH57  270	CH57  270	

2.0mm Center spacing

Single Row Female Header	CB22  247					
Single Row Header	CH11  274	CH11  274	CH11  274	CH21  276	CH21  276	
Dual Rows Female Header	CB74  248	CB74  248	CB76  249			
Dual Rows Header	CH71  277	CH71  277	CH71  277	CH72  279	CH72  279	
	CH75  281	CH75  281				

System CB Board To Board Connectors Selection Index

2.54mm Center spacing					
Single Row Female Header	CB33  250	CB37  250	CB39  251	CB39  251	
Single Row Header	CH31  283	CH31  283	CH31  283	CH34  282	CH34  282
Dual Rows Female Header	CB83  253	CB85  253	CB96  254	CB91  255	CB91  255
	CB94  256	CB94  256	CB97  257	CB41  252	CB86  258
Dual Rows Header	CH81  284	CH81  284	CH81  284	CH87  287	CH87  287
	CH85  286	CH85  286			
Triple Rows Female Header	CB98  257				

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

1.00mm (.039") 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

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

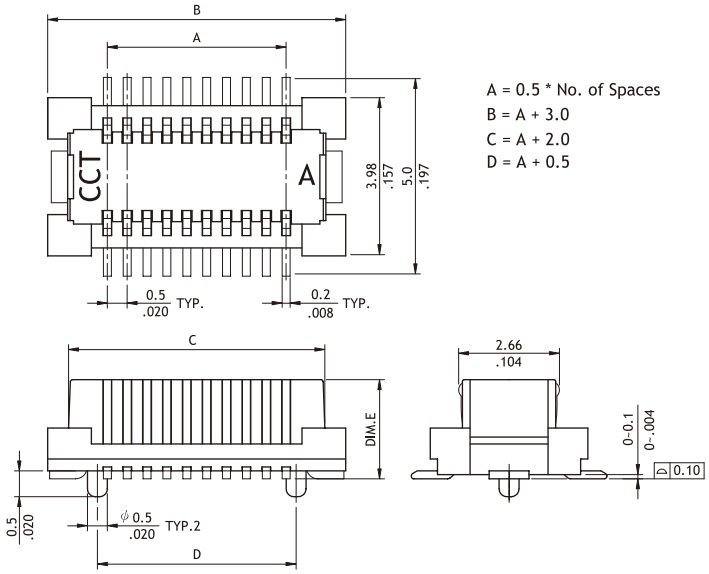
Physical:
DIP Type Header: Glass Filled Polyester, Color Black
SMT Type Header: High temperature plastic, Black
Flammability Rating: UL 94V-0
Contacts: Copper alloy
Contact plating: Gold over Nickel
See plating code for other options

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

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

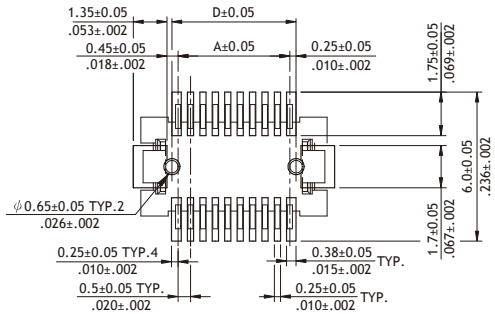
RoHS Compliant


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



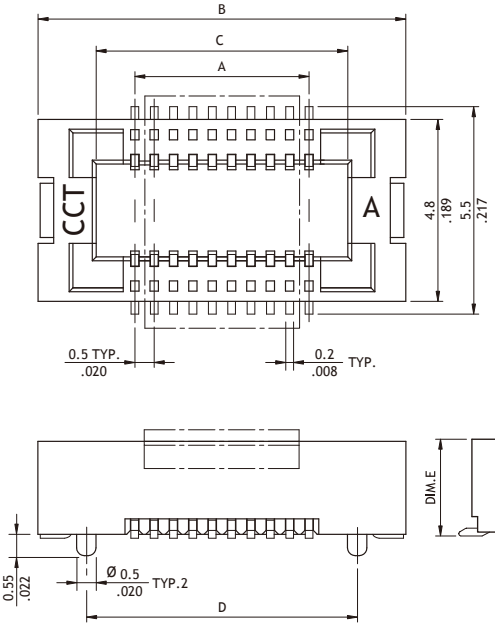
A = 0.5 * No. of Spaces
B = A + 3.0
C = A + 2.0
D = A + 0.5

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



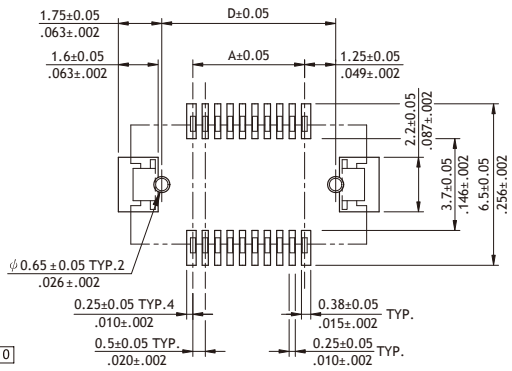
Recommended PCB Layout

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



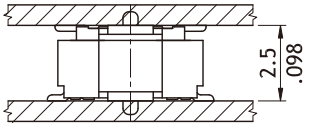
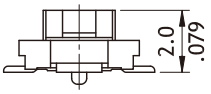
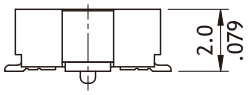
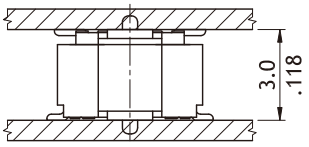
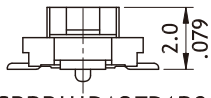
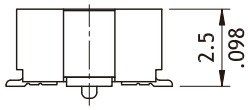
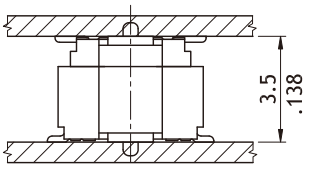
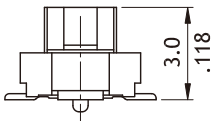
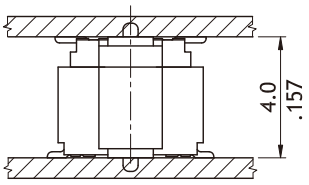
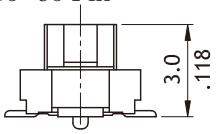
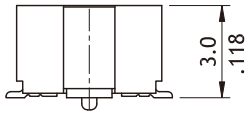
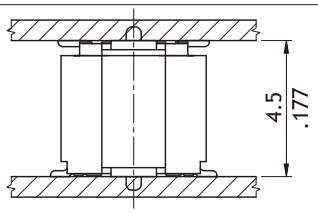
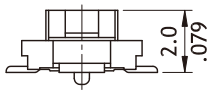
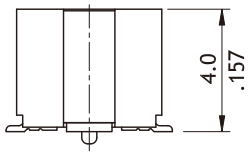
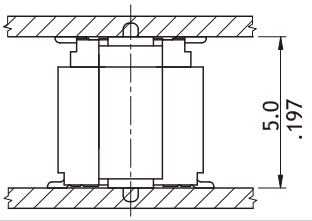
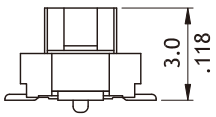
A = 0.5 * No. of Spaces
B = A + 5.0
C = A + 2.0
D = A + 2.5

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 PCB Layout

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

Mating height	Plug	Receptacle
	 P/N:CBRB***PA2FP1R0-NH	 P/N:CBRB***SA2FP1R0-NH
	 P/N:CBRB***PA2FP1R0-NH	
	Circuits: 10~60 Pin  P/N:CBRB***PC2FP1R0-NH	P/N:CBRB***SB2FP1R0-NH
	Circuits: 10~60 Pin  P/N:CBRB***PC2FP1R0-NH	 P/N:CBRB***SC2FP1R0-NH
	 P/N:CBRB***PA2FP1R0-NH	
	Circuits: 10~60 Pin  P/N:CBRB***PC2FP1R0-NH	P/N:CBRB***SD2FP1R0-NH

Ordering Code

①	②	③	④	⑤	⑥	⑦	⑧	⑨		⑩
CBRB	080	P	A	2	F	P1	R	0	-	NH

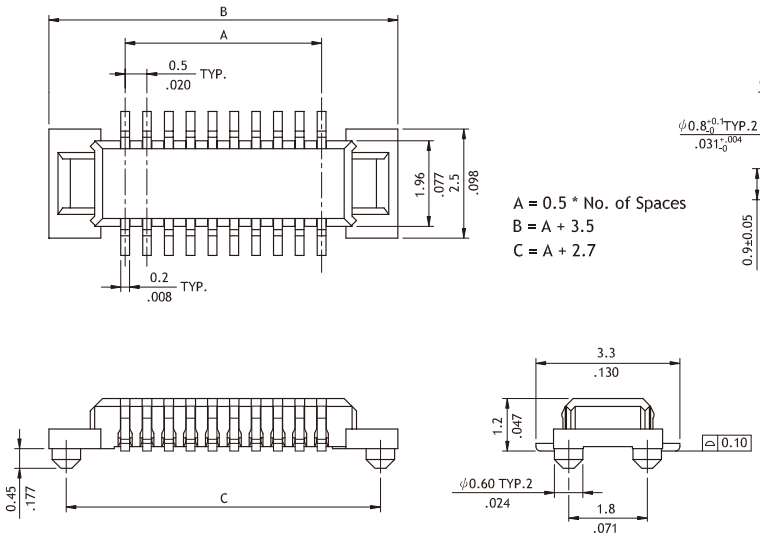
① Series No.
② No. of Circuits: 010 to 080
*Circuits not found above please consult manufacturer
③ Connector Type: P = Plug, S = Receptacle
④ Height:
Plug: A: DIM.E = 2.0mm , C: DIM.E = 3.0mm
Receptacle:
A: DIM.E = 2.0mm , B: DIM.E = 2.5mm
C: DIM.E = 3.0mm , D: DIM.E = 4.0mm
⑤ Plating Code: 2 = Gold 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 Process: -NH = For Lead Free IR process and Halogen-Free

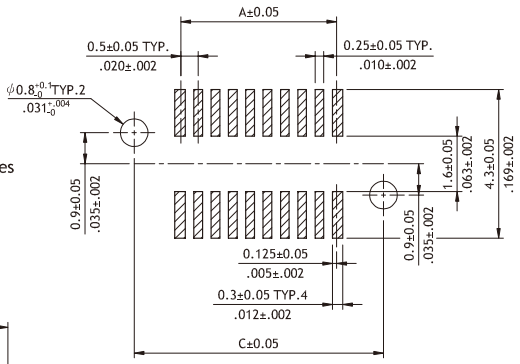
CBRC Series 0.50mm(.020") Board To Board Connectors

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

RoHS Compliant

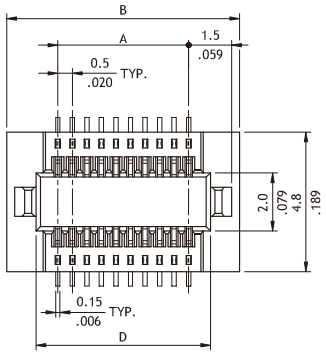

P/N	CBRC***P02001R0-NH





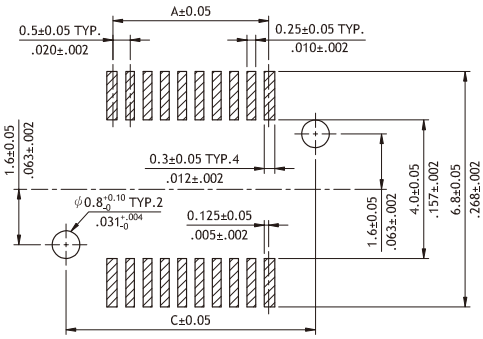
Solder Pad Pattern

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

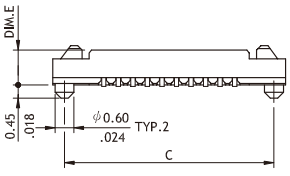


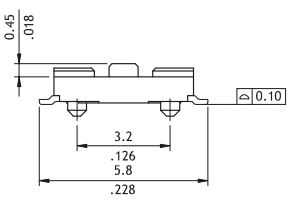
Mating Height	Dim.E
1.5 mm	1.2
2.0 mm	1.7

A = 0.5 * No. of Spaces
B = A + 3.5
C = A + 2.7
D = A + 1.5



Solder Pad Pattern

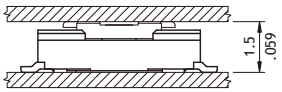
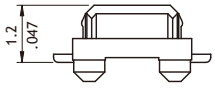
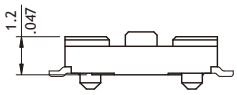
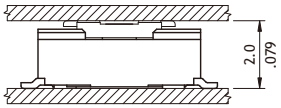
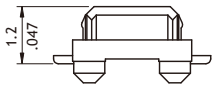
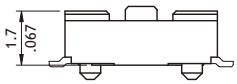




CBRC Series 0.50mm(.020") Board To Board Connectors

◎ Mating Height 1.5mm & 2.0mm
◎ Insulator: High tempereature 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	022	P0	2	001	R	0	-	NH

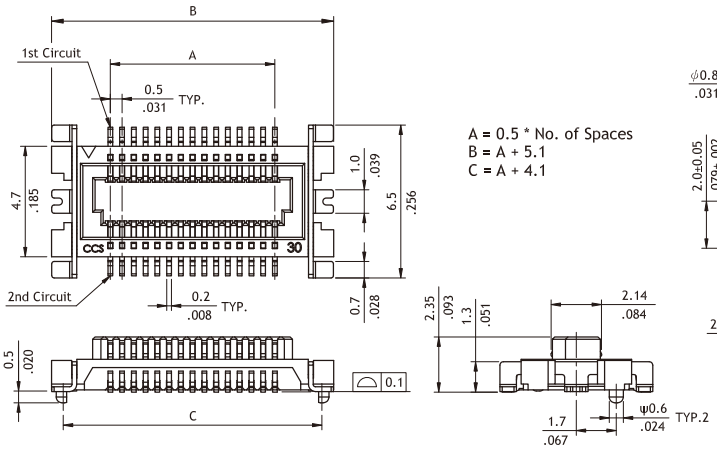
① Series No.
② No. of Circuits: 10 to 22
(Available: 10,16,20,22)
*Circuits not found above please consult manufacturer
③ Connector Type:
P0 = Plug
S0 = Receptacle (DIM.E = 1.2mm)
SA = Receptacle (DIM.E = 1.7mm)
④ Plating Code:
2 = Gold flash over Nickel
⑤ Pegs Options: 000 = Without Peg
001 = With Pegs
⑥ Packing Options: R = Tape & Reel
⑦ Other Options: 0 = Standard
⑧ Process: -NH = For Lead Free IR process and Halogen-Free

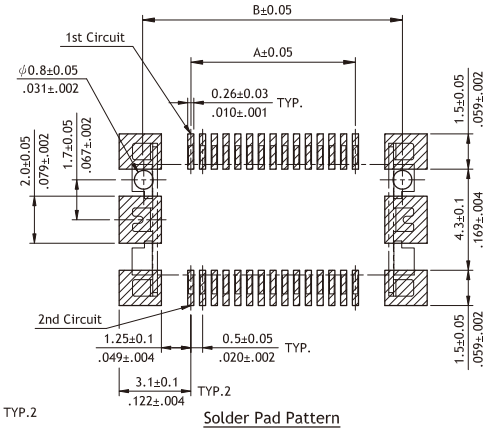
CBRE Series 0.50mm(.020") Board To Board Connectors

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

RoHS Compliant

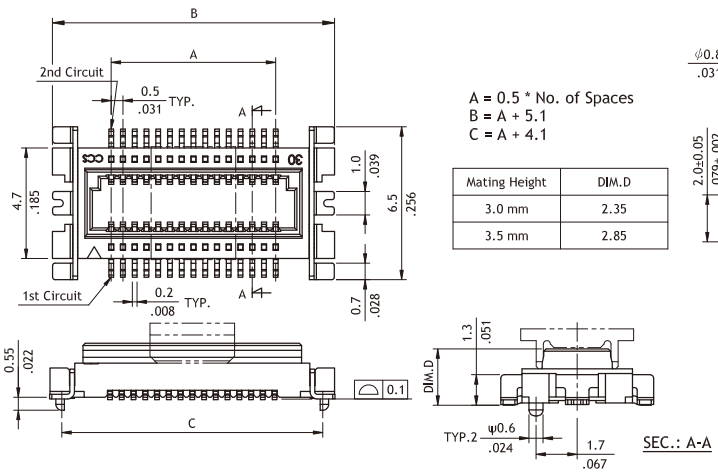

P/N	CBRE***PA2FP1R0-NH



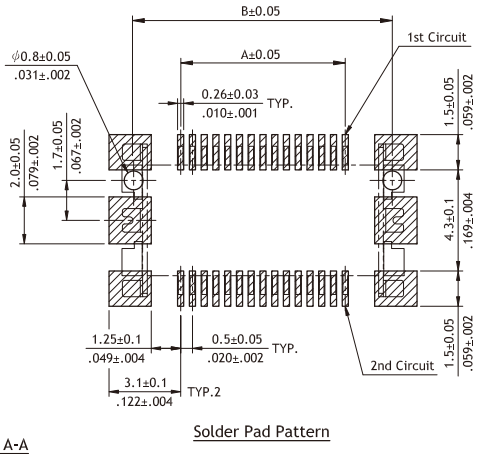


Solder Pad Pattern

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



Mating Height	DIM.D
3.0 mm	2.35
3.5 mm	2.85

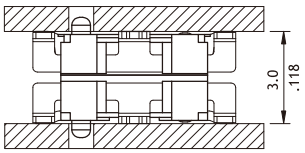
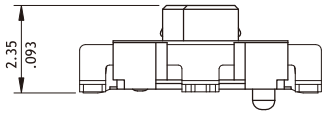
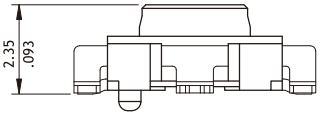
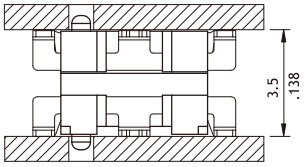
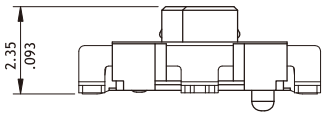
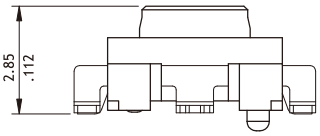


Solder Pad Pattern

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

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

RoHS Compliant

Mating Height	Plug	Receptacle
	Circuits: 10, 20, 30  P/N:CBRE***PA2FP1R0-NH	Circuits: 10, 30  P/N:CBRE***SA2FP1R0-NH
	Circuits: 10, 20, 30  P/N:CBRE***PA2FP1R0-NH	Circuits: 20  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

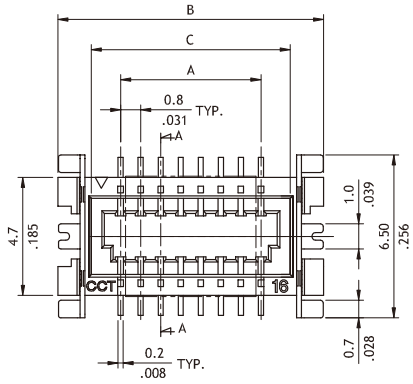
① Series No.
② No. of Circuits: 10, 20, 30
*Circuits not found above please consult manufacturer
③ Connector Type:
PA = Plug
SA = Receptacle (DIM.E = 2.35mm)
SB = Receptacle (DIM.E = 2.85mm)
④ Plating Code:
2 = Gold flash over Nickel
⑤ Fixed Tab Options:
F = With Fixed Tabs
⑥ Pegs Options: P1 = With Pegs
⑦ Packing Options: R = Tape & Reel
⑧ Other Options: 0 = Standard
⑨ Process: -NH = For Lead Free IR process and Halogen-Free

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

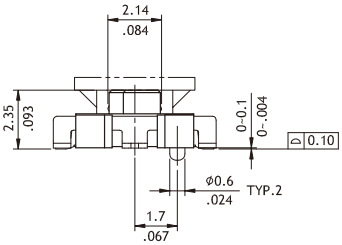
◎ Mating Height 4.0, 5.0 & 8.0mm
◎ Insulator: High temperature plastic UL 94V-0, Color Nature

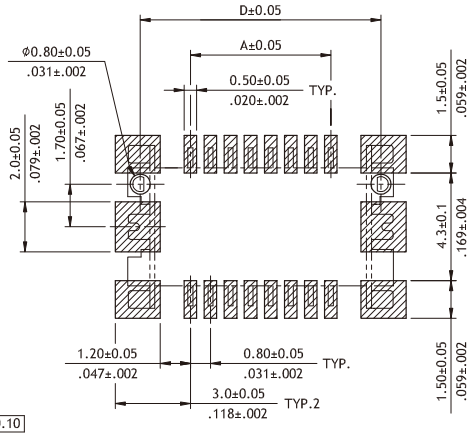
RoHS Compliant


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



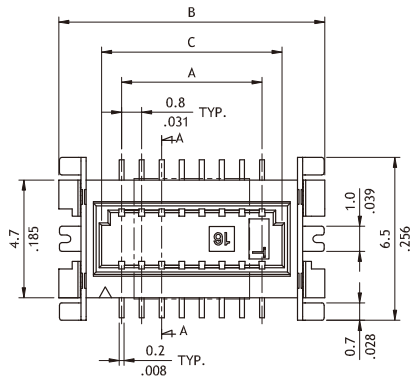
A = 0.8 * No. of Spaces
B = A + 5.0
C = A + 2.34
D = A + 4.0





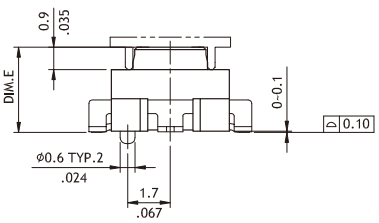
Recommended PCB Layout

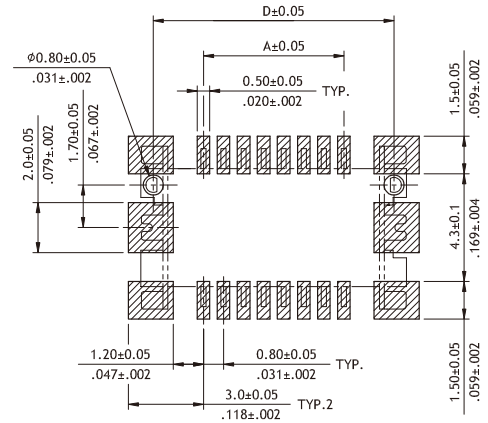
P/N	CBRD***S*2***R0-NH



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

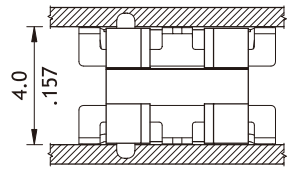
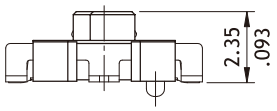
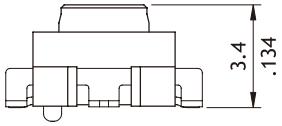
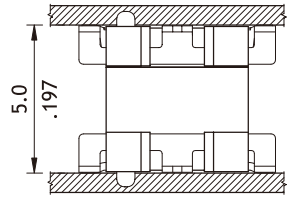
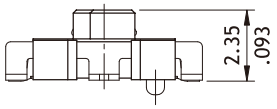
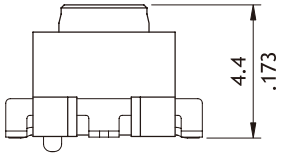
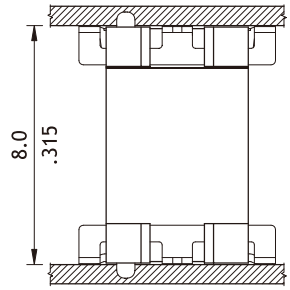
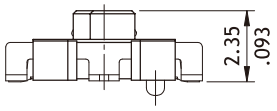
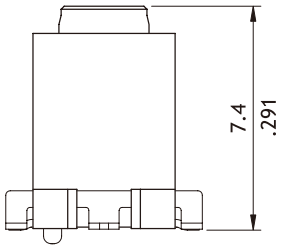




Recommended PCB Layout

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

◎ MOQ: 5000pcs but also based on MPQ

Mating Height	Plug	Receptacle
	 P/N:CBRD***PA2FP1R0-NH	 P/N:CBRD***SA2FP1R0-NH
	 P/N:CBRD***PA2FP1R0-NH	 P/N:CBRD***SB2FP1R0-NH
	 P/N:CBRD***PA2FP1R0-NH	 P/N:CBRD***SE2FP1R0-NH

Ordering Code

①	②	③	④	⑤	⑥	⑦	⑧	⑨		⑩
CBRD	080	S	A	2	F	P1	R	0	-	NH

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

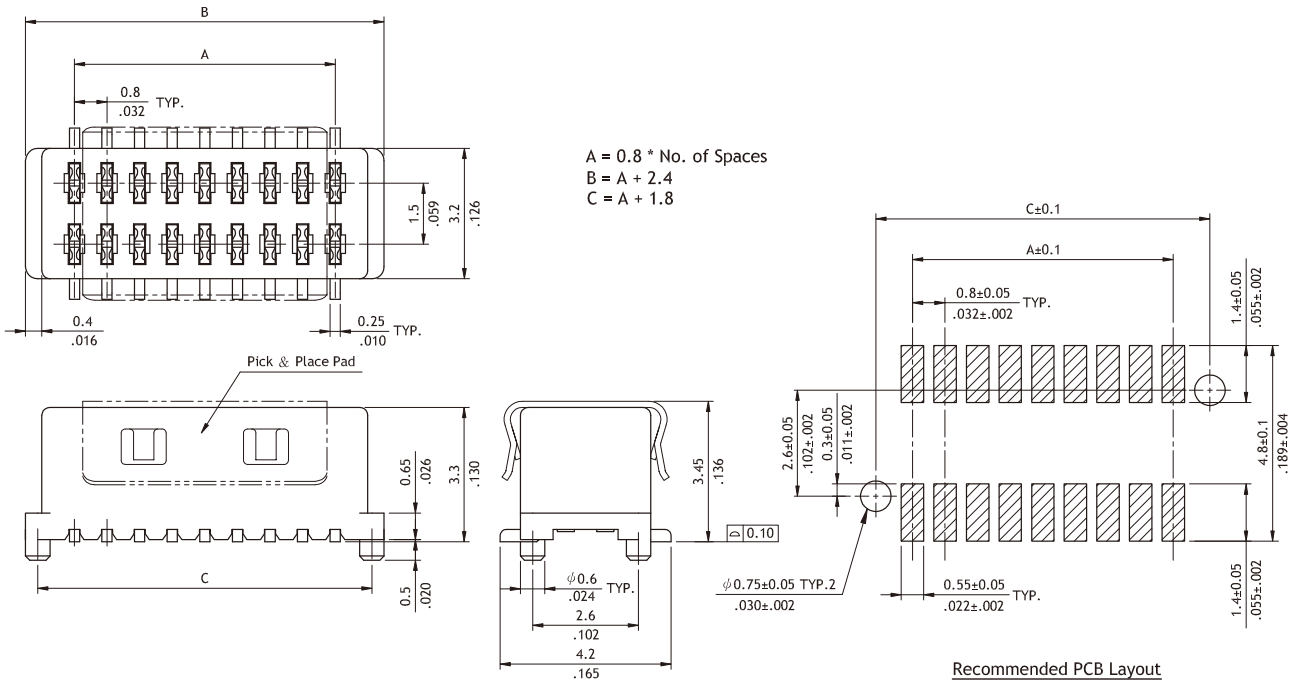
④ Height:
Plug: A: DIM.E = 2.35mm
Receptacle: A: DIM.E = 3.40mm
B: DIM.E = 4.40mm
E: DIM.E = 7.40mm
⑤ Plating Code:
2 = Gold flash over Nickel
⑥ Fixed Tab Options:
0 = Without Fixed Tab
F = With Fixed Tabs

⑦ Pegs Options: 00 = Without Peg
P1 = With Pegs
⑧ Packing Options:
R = Tape & Reel
⑨ Other Options: 0 = Standard
⑩ Process: -NH = For Lead Free IR process and Halogen-Free

CBC3 Series 0.80mm(.032") Dual Row Female Headers

◎ Mate with CHC3 Header
◎ Insulator: High temperature plastic UL 94V-0, Color Black

RoHS Compliant



Ordering Code

①	②	③	④	⑤	⑥	⑦
CBC3	36	1	M	1	R	0

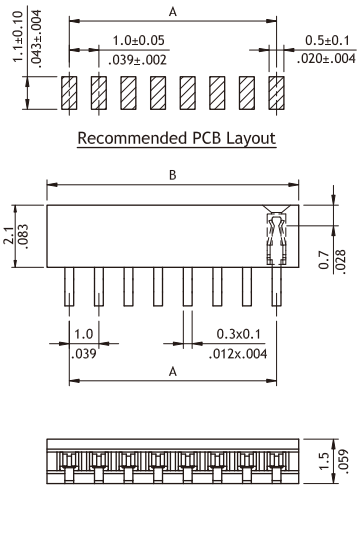
① Series No.
② No. of Circuits: 06 to 36
③ Plating Code:
1 = Tin over Nickel
2 = Gold flash over Nickel
④ Tail Style: M = SMT Type
⑤ Color: 1 = Black
⑥ Packing Options: R = Tape & Reel
(With pick & place pad)
T = Tube
⑦ Other Options: 0 = Standard
* Special options consult manufacturer

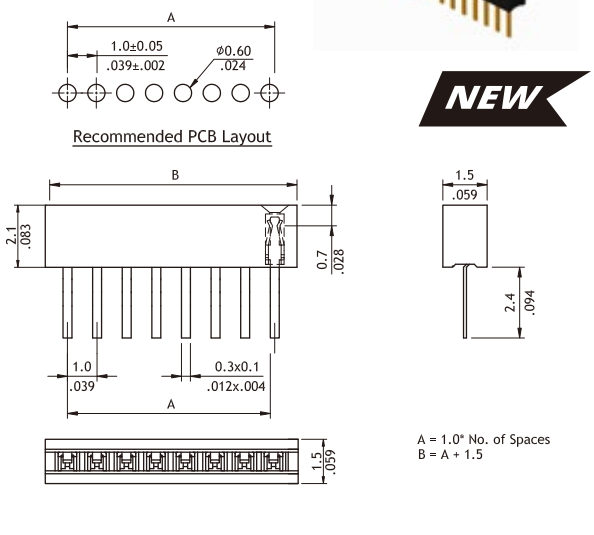
CB03 Series 1.00mm(.039") SMT Type Single Row Pin Headers

◎ Mate with CH07 series

RoHS Compliant

NEW





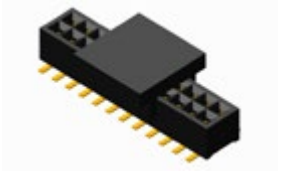
Ordering Code

①	②	③	④	⑤	⑥		⑦
CB03	50	2	S	1	00	-	NH

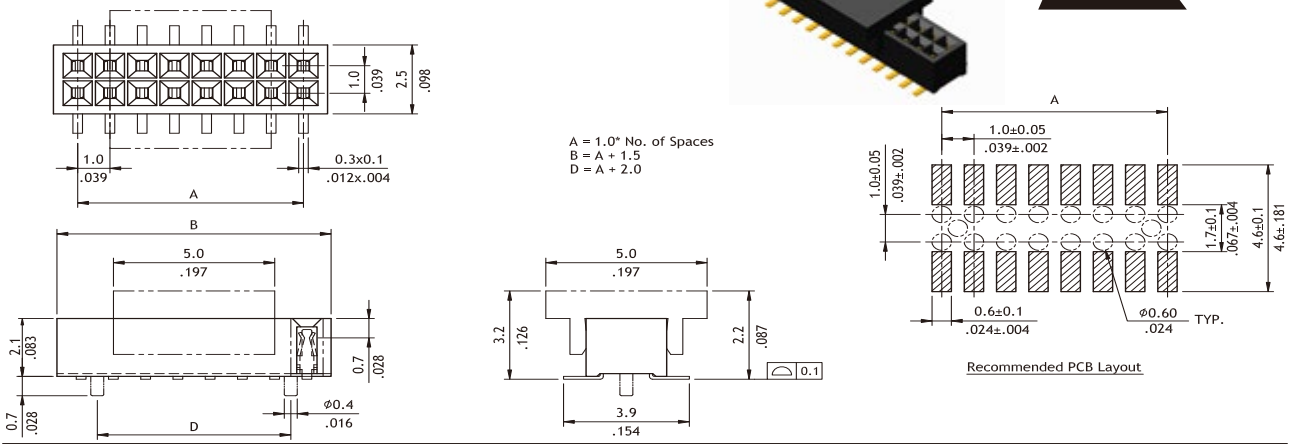
① Series No.
② No. of Circuits: 02 to 50
③ Plating Code:
2 = Gold flash over Nickel
④ Tail Style: S = SMT Type
V = Straight DIP Type
⑤ Color: 1 = Black
⑥ Other Options:
00 = Standard
⑦ Process: -NH = For Lead Free IR process and Halogen-Free

CB12 Series 1.00mm(.039") Dual Row Female Headers

◎ Mate with CH07 series



NEW



Ordering Code

①	②	③	④	⑤	⑥		⑦	⑧
CB12	36	2	M	1	00	-	R	P

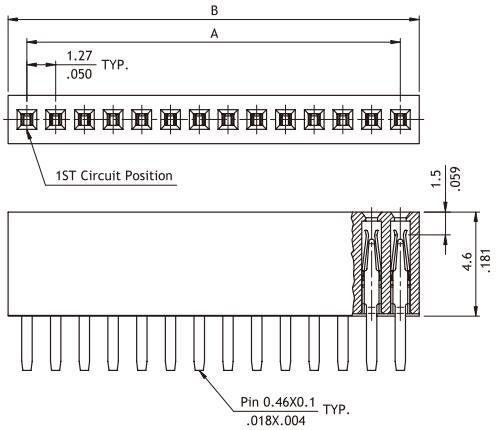
① Series No.
② No. of Circuits: 06 to 100
③ Plating Code:
2 = Gold flash over 1.27μm (50μ")Nickel
④ Tail Style: M = SMT Type
⑤ Color: 1 = Black
⑥ Other Options: 00 = Standard
⑦ Packing Options:
R = Tape & Reel
⑧ Pegs Options:
0 = Without Pad & Peg
P = With Pad & Without Peg

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

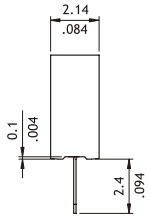
◎ Mates with CH01, CH02 and CH03 series

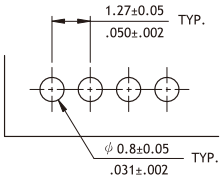
RoHS Compliant

P/N	CB01**2D100-NH



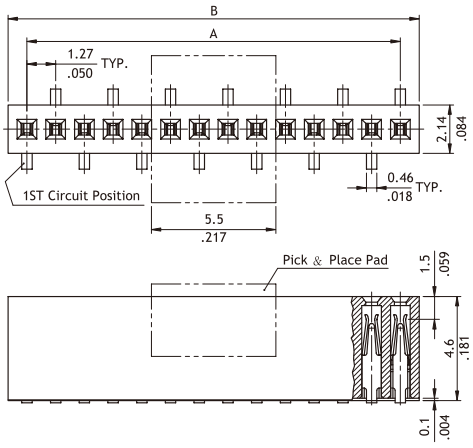
A = 1.27 * No. of Spaces
B = A + 1.67



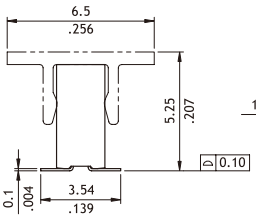


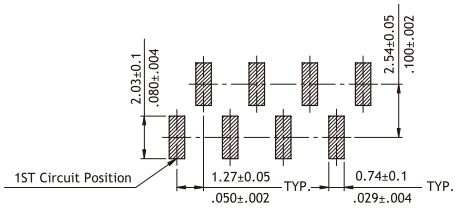
Recommended PCB Layout

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



A = 1.27 * No. of Spaces
B = A + 1.67





Recommended PCB Layout

Ordering Code

①	②	③	④	⑤	⑥		⑦	⑧		⑨
CB01	50	2	M	1	00	-	2	0	-	NH

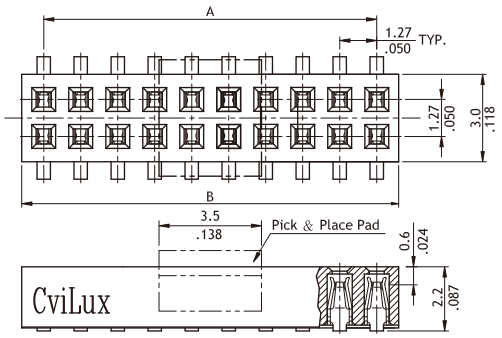
① Series No.
② No. of Circuits: 04 to 50
③ Plating Code: 2 = Gold flash over Nickel
④ Tail Style: M = SMT Type
D = DIP Type
⑤ Color: 1 = Black
⑥ Other Options: 00 = Standard
⑦ Mating Header Pin Size:
2 = 0.4mm Square Pin
⑧ Packing Options:
0 = Without Pick & Place Pad (Tube)
P = With Pick & Place Pad (Tape & Reel)
*Code 7 and 8 for SMT Type only
⑨ Process: -NH = For Lead Free IR process and Halogen-Free

CB50 Series 1.27mm(.050") Dual Row Female Headers

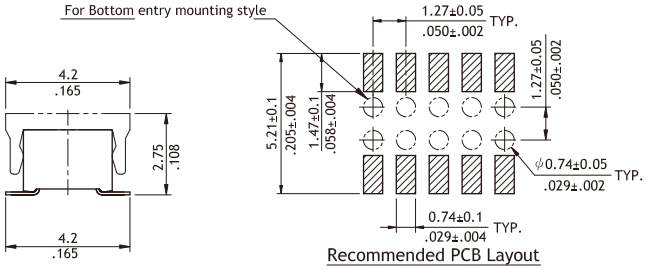
◎ Ultra Low profile
◎ Top and bottom entry available
◎ High performance contact design
◎ Mates with CH51, CH52, CH53 and CH57 series

RoHS Compliant

P/N	CB50**20**0-NH	◎ Without Peg

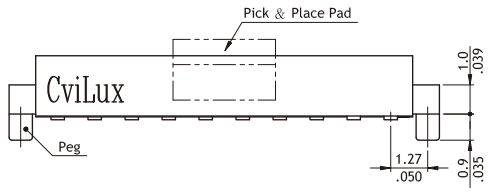


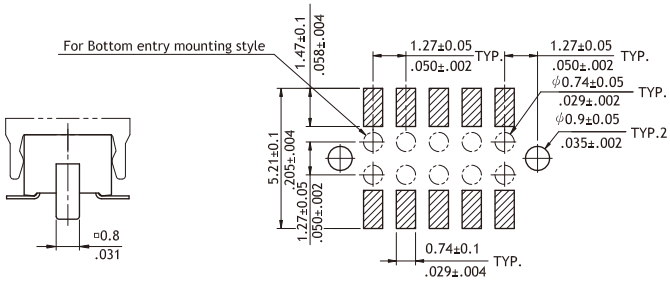
Dim. A = 1.27 X No. of Spaces
Dim. B = Dim. A + 1.67
Dim. C = Dim. A - 1.27



Recommended PCB Layout

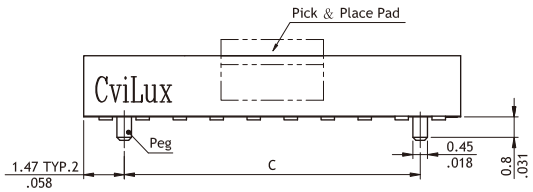
P/N	CB50**2P**0-NH	◎ Pegs Type 1

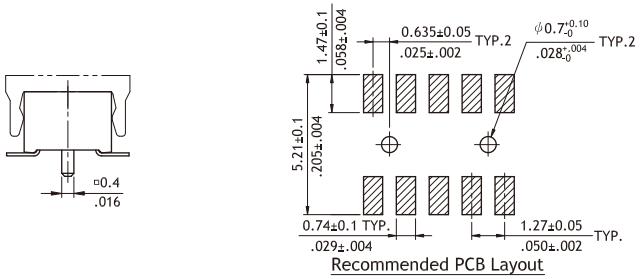




Recommended PCB Layout

P/N	CB50**2A**0-NH	◎ Pegs Type 2





Recommended PCB Layout

Ordering Code

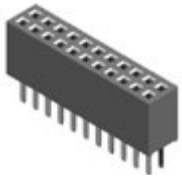
①	②	③	④	⑤	⑥	⑦		⑧
CB50	60	2	0	0	R	0	-	NH

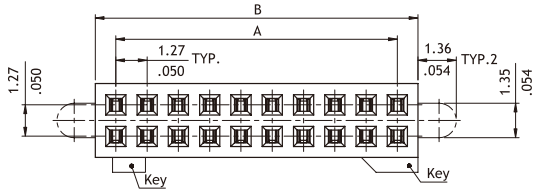
① Series No.
② No. of Circuits: 06 to 60
③ Plating Code:
2 = Gold flash over Nickel
④ Pegs Options:
0 = Without Peg
P = With Pegs Type 1
A = With Pegs Type 2
⑤ Pegs Options:
0 = Without Pick & Place Pad
P = With Pick & Place Pad
⑥ Packing Options: R = Tape & Reel
T = Tube
⑦ Other Options: 0 = Standard
*Special options consult manufacturer
⑧ Process: -NH = For Lead Free IR process and Halogen-Free

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

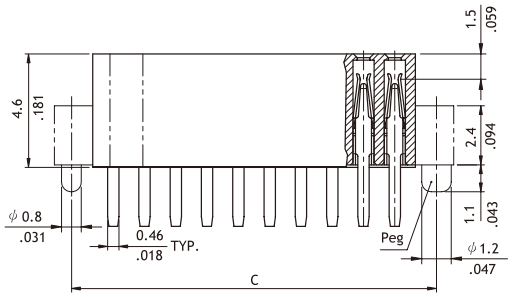
◎ Mates with 1.27mm pitch 0.40mm Square pin Header
◎ High performance contact design
◎ Low insertion Force, Anti-flux
◎ With PCB pegs options

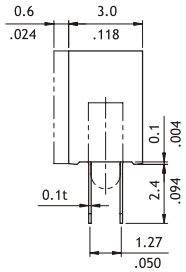
RoHS Compliant

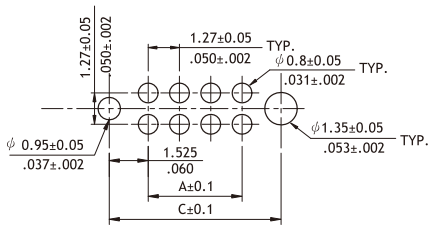




A = 1.27 X No. of Spaces
B = A + 1.67
C = A + 3.05







Recommended PCB Layout

Ordering Code

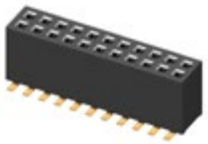
①	②	③	④	⑤	⑥		⑦
CBC1	60	2	D	1	00	-	NH

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 Process: -NH = For Lead Free IR process and Halogen-Free

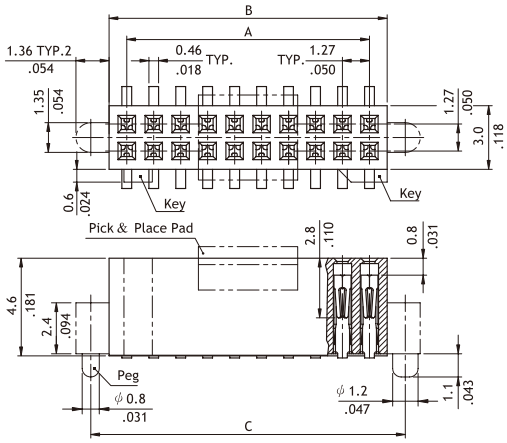
CBC1 Series 1.27mm(.050") Dual Row Female Headers

◎ Mates with CH51, CH52, CH53, CH57 and CHC2 series
◎ Pick and Place Pad available
◎ High performance contact design
◎ With PCB Pegs options

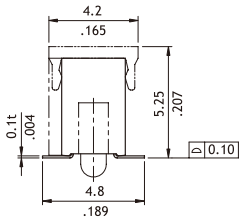
RoHS Compliant



P/N CBC1**2M1*0-1*-NH

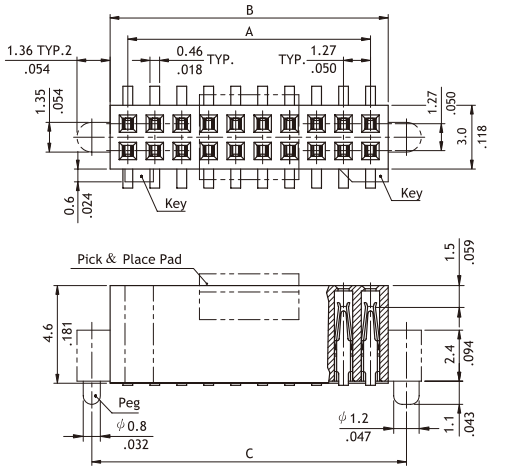


A = 1.27 X No. of Spaces
B = A + 1.67
C = A + 3.05

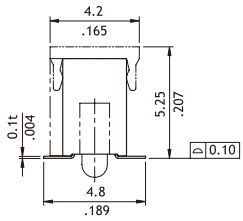


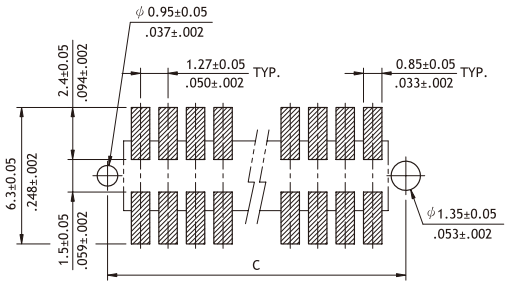
Without Key and Peg ; Without Pick & Place Pad	
With Key and Pegs ; Without Pick & Place Pad	
Without Key ; With Pegs ; Without Pick & Place Pad	
Without Key and Peg ; With Pick & Place Pad	
With Key and Pegs ; With Pick & Place Pad	
Without Key ; With Pegs ; With Pick & Place Pad	

P/N CBC1**2M1*0-2*-NH



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





Recommended PCB Layout

Ordering Code

①	②	③	④	⑤	⑥	⑦		⑧	⑨		⑩
CBC1	60	2	M	1	0	0	-	2	P	-	NH

① Series No.
② No. of Circuits:
With Keys: 10 to 60
Without Keys: 06 to 60
③ Plating Code: 2 = Gold flash over Nickel
④ Tail Style: M = SMT Type
⑤ Color: 1 = Black
⑥ Other Options:
0 = Without Key and Peg
1 = With Keys and Pegs
2 = Without Key and With Pegs
⑦ Other Options:
0 = Standard
⑧ Mating Header Pin Size:
1 = 0.46mm Round Pin
2 = 0.40mm Square Pin
⑨ Packing Options:
0 = Without Pick & Place Pad (Tube)
P = With Picks & Place Pad (Tape & Reel)
⑩ Process: -NH = For Lead Free IR process and Halogen-Free

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

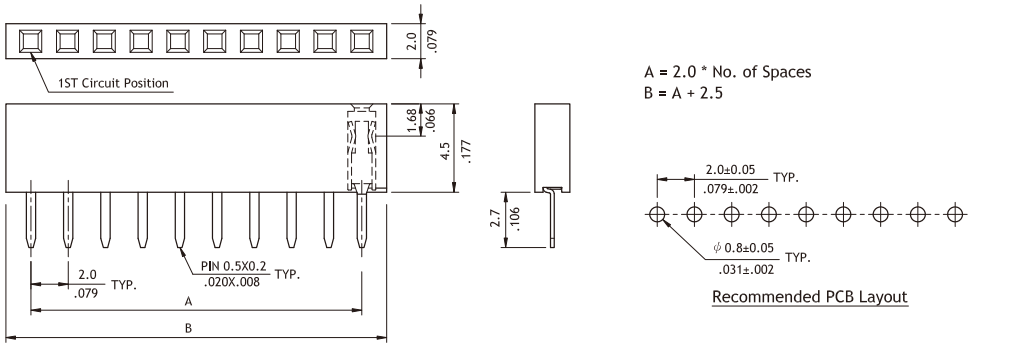
◎ Mates with CH11 and CH21 series

NEW

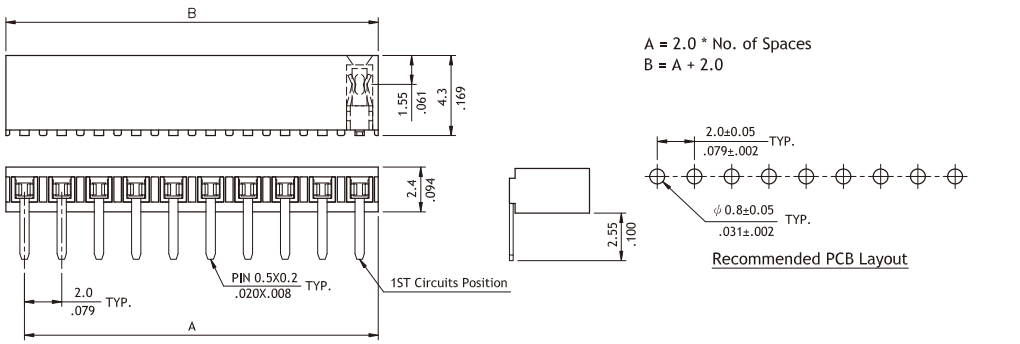
RoHS Compliant

3D

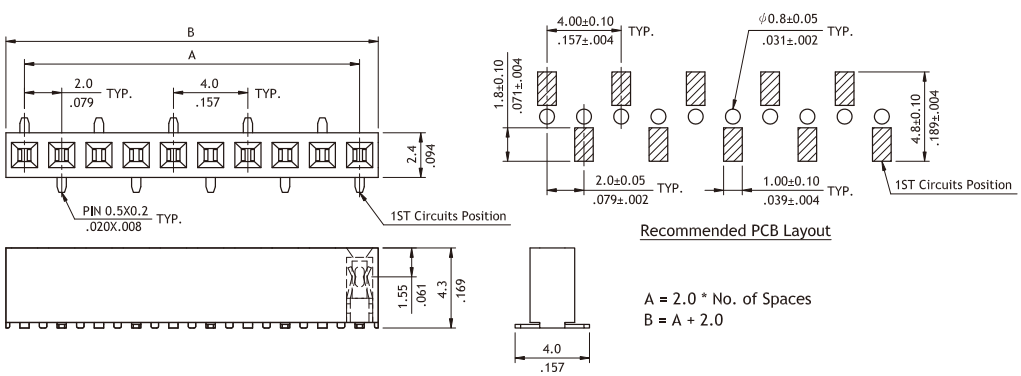
TOP ENTRY DIP TYPE



SIDE ENTRY DIP TYPE



TOP ENTRY SMT TYPE



Ordering Code

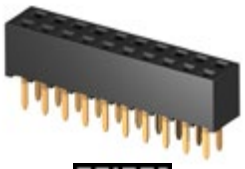
①	②	③	④	⑤	⑥
CB22	40	2	V	1	00

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

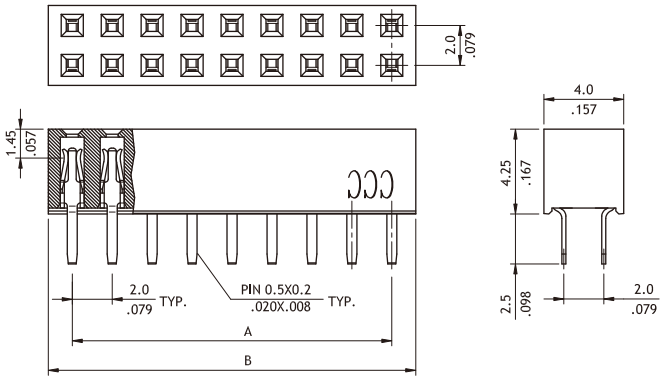
CB74 Series 2.00mm(.079") Dual Row Female Headers

◎ Mates with CH71, CH72 and CH75 series

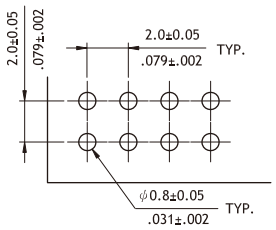
RoHS Compliant



P/N CB74**2V100-NH

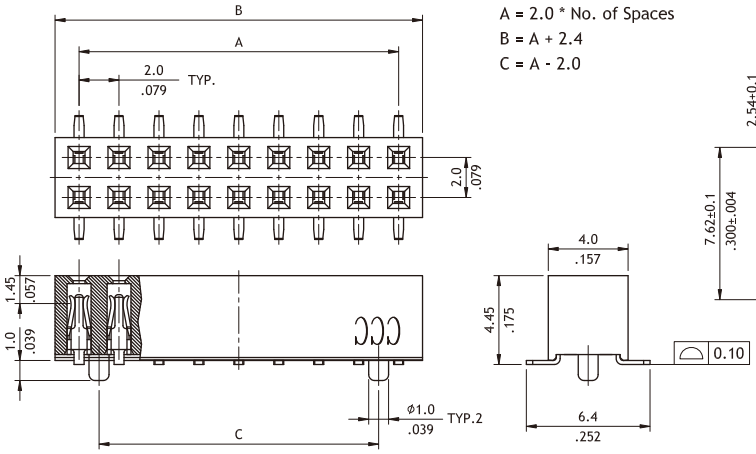


A = 2.0 * No. of Spaces
B = A + 2.4

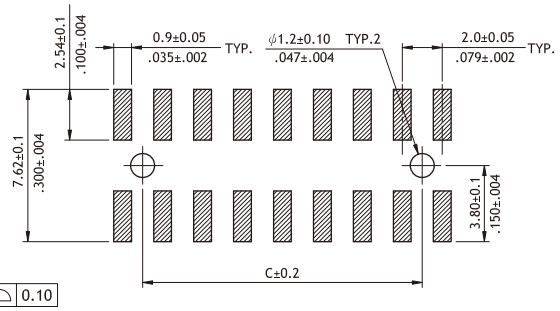


Recommended PCB Layout

P/N CB74**2M100-NH



A = 2.0 * No. of Spaces
B = A + 2.4
C = A - 2.0



Recommended PCB Layout

Ordering Code

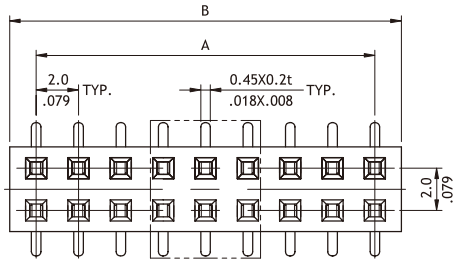
①	②	③	④	⑤	⑥		⑦
CB74	80	2	M	1	00	-	NH

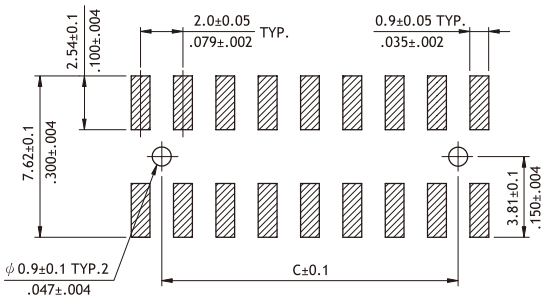
① Series No.
② No. of Circuits: 04 to 80
③ Plating Code:
2 = Gold flash over Nickel
④ Tail Style:
V = Top Entry DIP Type
M = Top Entry SMT Type
⑤ Color: 1 = Black
⑥ Other Options:
00 = Standard
*Special options consult manufacturer
⑦ Process: -NH = For Lead Free IR process and Halogen-Free

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

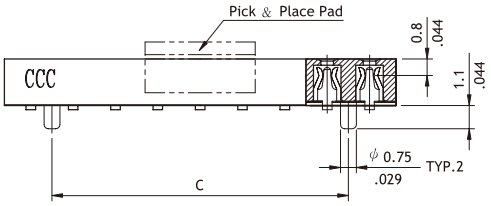
◎ Mate with CH71, CH72 and CH75 series

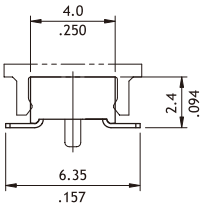
RoHS Compliant





Recommended PCB Layout





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

Ordering Code

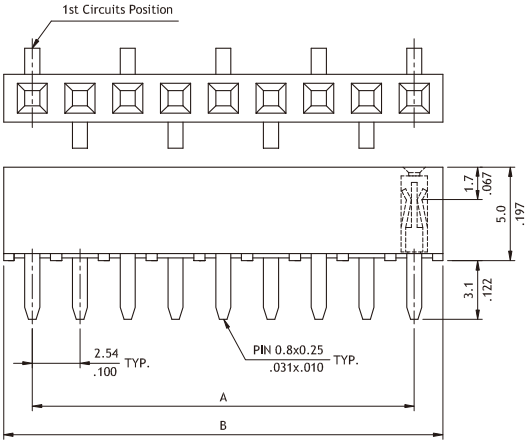
①	②	③	④	⑤	⑥	⑦		⑧
CB76	80	2	M	1	0	0	-	NH

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 Packing Options:
0 = Tube packing
R = Tape & Reel (With Pick & Place Pad)
⑧ Process: -NH = For Lead Free IR process and Halogen-Free

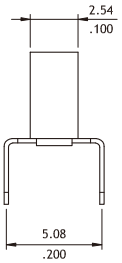
CB33 Series 2.54mm(.100") Single Row Dual Entry Female Header

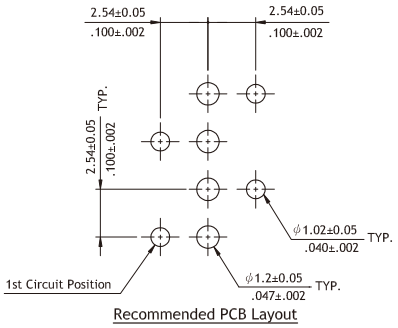
◎ Mates with CH31 and CH34 series

RoHS Compliant



A = 2.54 * No. of Spaces
B = A + 3.14





Recommended PCB Layout

Ordering Code

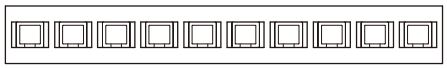
①	②	③	④	⑤	⑥
CB33	40	2	R	1	00

① Series No.
② No. of Circuits: 02 to 40
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

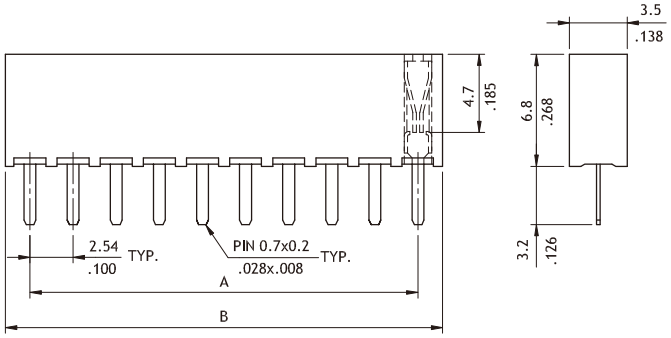
CB37 Series 2.54mm(.100") Single Row Female Headers

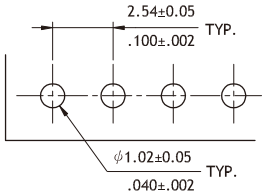
◎ Mates with CH31 and CH34 series

RoHS Compliant



A = 2.54 * No. of Spaces
B = A + 2.5





Recommended PCB Layout

Ordering Code

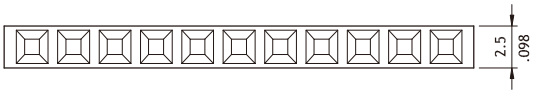
①	②	③	④	⑤	⑥
CB37	40	A	V	1	00

① Series No.
② No. of Circuits: 02 to 40
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

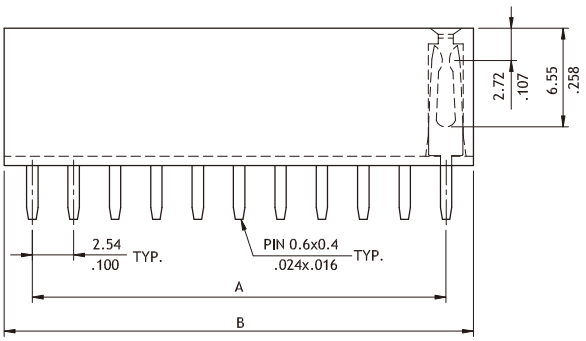
CB39 Series 2.54mm(.100") Single Row Female Headers

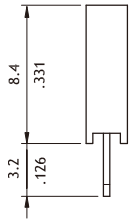
◎ Mates with CH31 and CH34 series

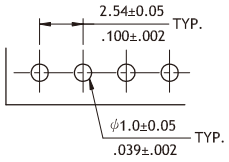
RoHS Compliant



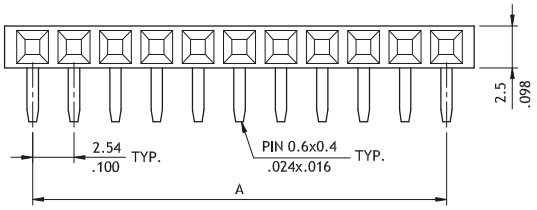
A = 2.54 * No. of Spaces
B = A + 3.04



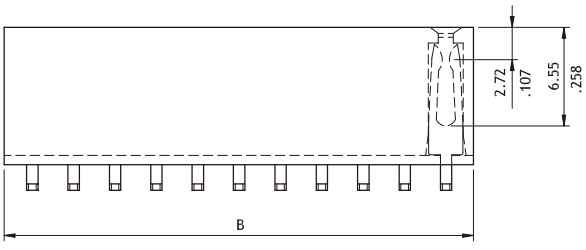


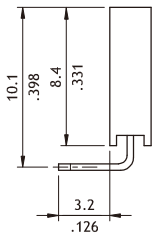


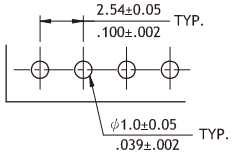
Recommended PCB Layout



A = 2.54 * No. of Spaces
B = A + 3.04







Recommended PCB Layout

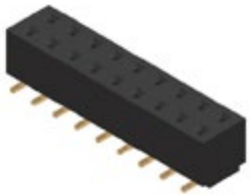
Ordering Code

①	②	③	④	⑤	⑥
CB39	40	2	V	1	00

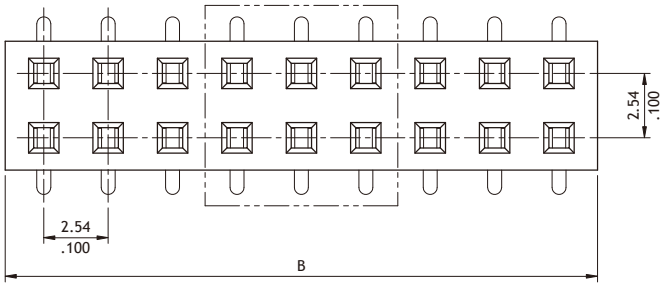
① Series No.
② No. of Circuits: 02 to 40
③ Plating Code:
2 = Gold flash over Nickel
④ Tail Style: V = Vertical
H = Right Angle
⑤ Color: 1 = Black
⑥ Other Options:
00 = Standard
*Special options consult manufacturer

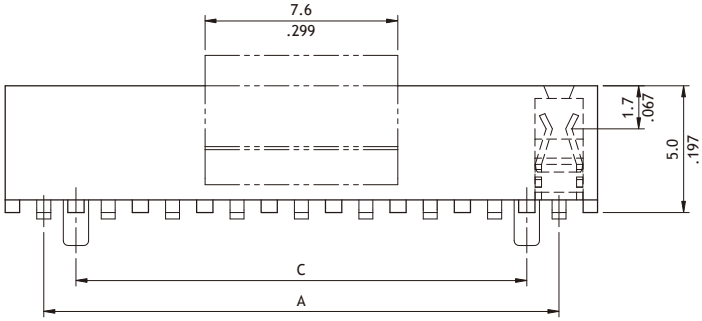
CB41 Series 2.54mm(.100") Dual Row Female Headers

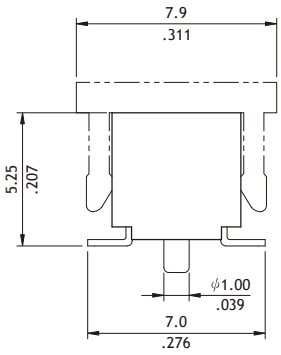
◎ Mates with CH81, CH84, CH85 and CH88 series



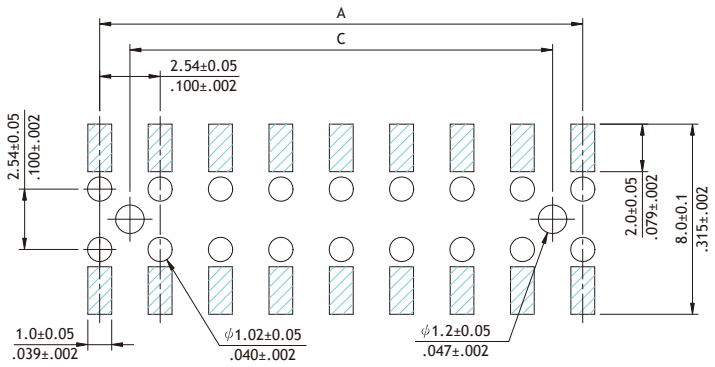
RoHS Compliant







Dim. A = 2.54 X No. of Spaces
Dim. B = Dim. A + 3.4
Dim. C = Dim. A - 2.54



Recommended PCB Layout

Ordering Code

①	②	③	④	⑤	⑥
CB41	80	2	M	1	R0

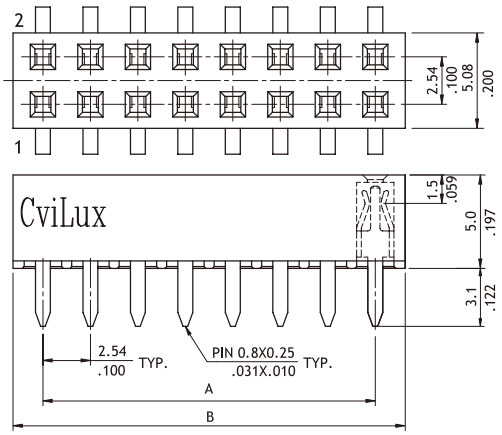
① Series No.
② No. of Circuits: 04 to 80
③ Plating Code:
2 = Gold flash over Nickel
④ Tail Style: M = SMT Type
⑤ Color: 1 = Black

⑥ Packing 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

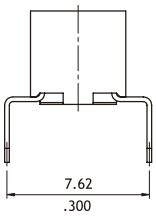
CB83 Series 2.54mm(.100") Dual Row Female Headers

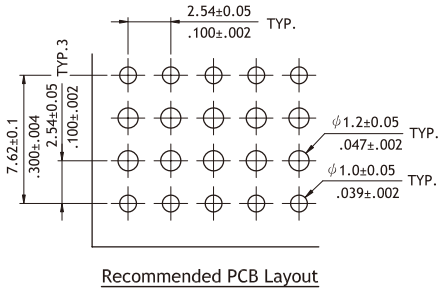
◎ Mates with CH81, CH84 and CH85 series

RoHS Compliant



A = 2.54 * No. of Spaces
B = A + 3.2





Recommended PCB Layout

Ordering Code

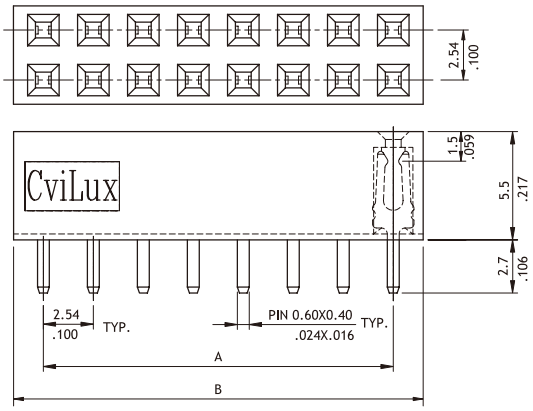
①	②	③	④	⑤	⑥
CB83	80	2	R	1	00

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

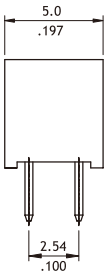
CB85 Series 2.54mm(.100") Dual Row Female Headers

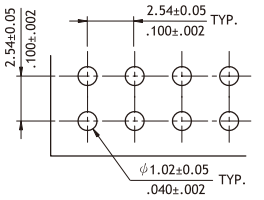
◎ Mates with CH81, CH84 and CH85 series

RoHS Compliant



A = 2.54 * No. of Spaces
B = A + 3.0





Recommended PCB Layout

Ordering Code

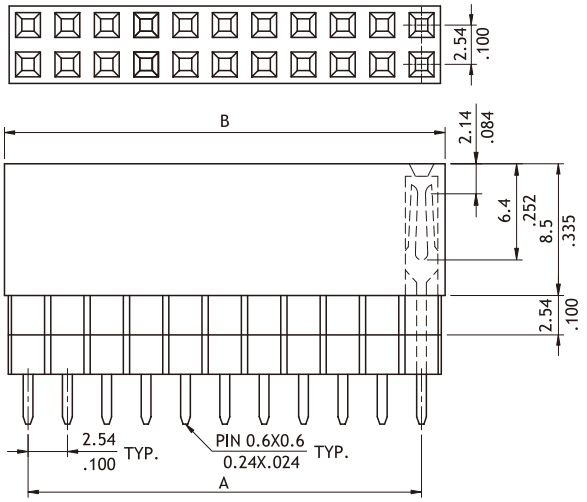
①	②	③	④	⑤	⑥
CB85	80	2	V	1	00

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

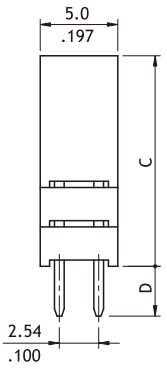
CB96 Series 2.54mm(.100") Dual Row Elevated Female Headers

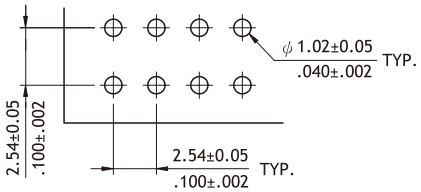
◎ Mates with CH81, CH84 and CH85 series

RoHS Compliant



A = 2.54 * No. of Spaces
B = A + 3.04





Recommended PCB 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
CB96	80	2	V	1	00

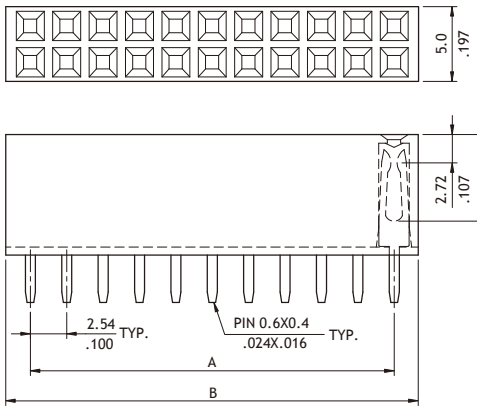
① Series No.
② No. of Circuits: 06 to 80
③ Plating Code: 2 = Gold flash over Nickel
④ Tail Style: V = Vertical
⑤ Color: 1 = Black
⑥ Other Options:
see option code table
*Special options consult manufacturer

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

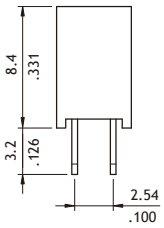
◎ Mates with CH81, CH84 and CH85 series

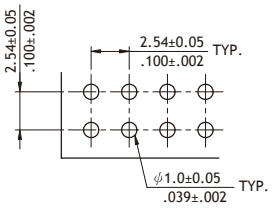
RoHS Compliant


P/N	CB91**2V100



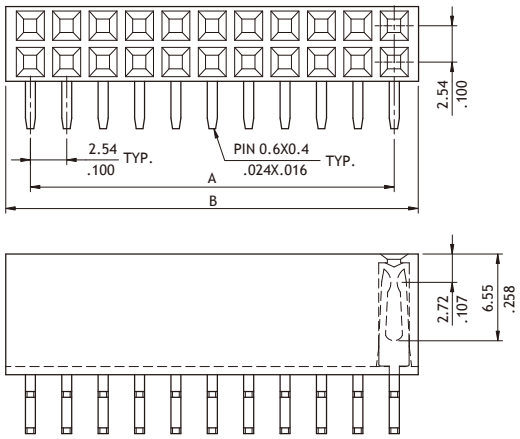
A = 2.54 * No. of Spaces
B = A + 3.04



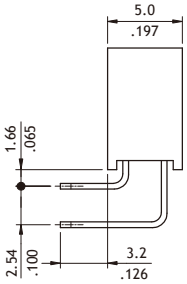


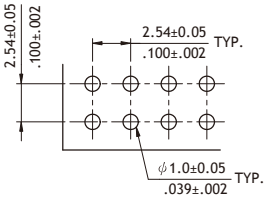
Recommended PCB Layout

P/N	CB91**2H100



A = 2.54 * No. of Spaces
B = A + 3.0





Recommended PCB Layout

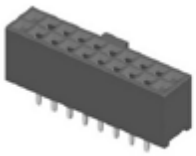
Ordering Code

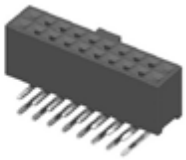
①	②	③	④	⑤	⑥
CB91	80	2	V	1	00

① Series No.
② No. of Circuits: 04 to 50, 60, 64, 66, 80
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

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

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



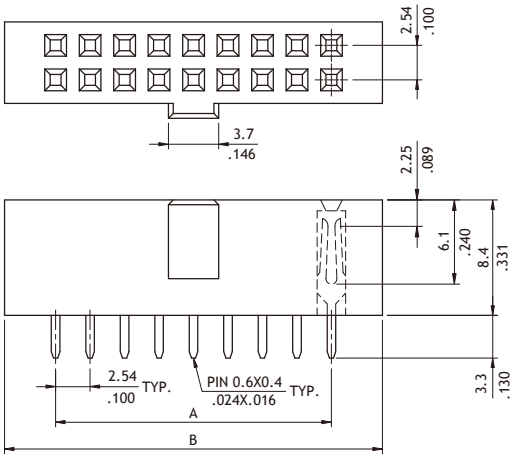


RoHS Compliant

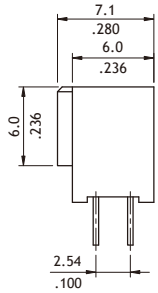
3D

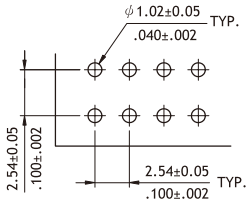
3D

P/N CB94**2V100



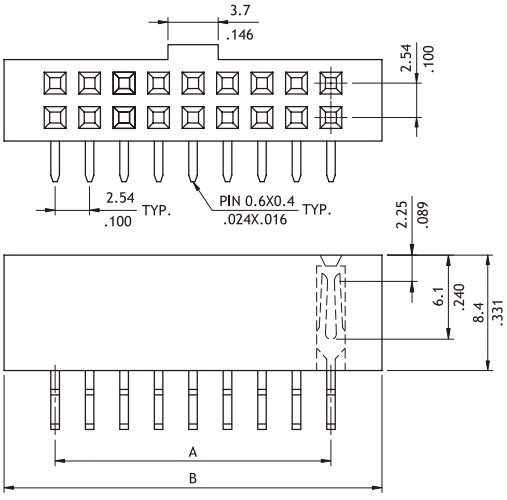
A = 2.54 * No. of Spaces
B = A + 7.34



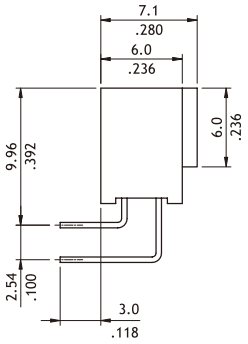


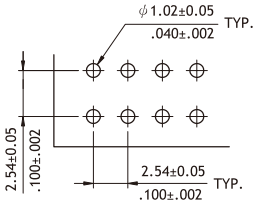
Recommended PCB Layout

P/N CB94**2H100



A = 2.54 * No. of Spaces
B = A + 7.34





Recommended PCB Layout

Ordering Code

①	②	③	④	⑤	⑥
CB94	64	2	V	1	00

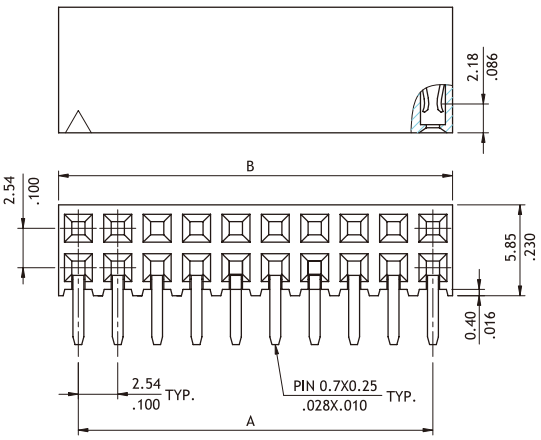
① Series No.
② No. of Circuits: 06 to 64
(Available: 6,8,10,12,14,16,20,24,26,
30,34,40,50,60,64)
*Circuits not found above please consult manufacture

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

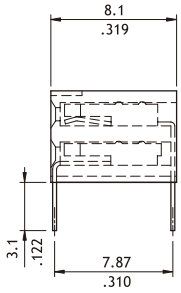
CB97 Series 2.54mm(.100") Dual Row Side Entry Female Headers

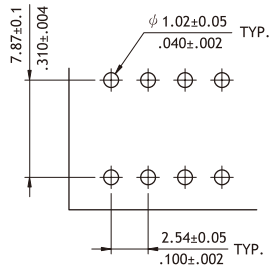
◎ Mates with CH81, CH82, CH83 and CH84 series

RoHS Compliant



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





Recommended PCB Layout

Ordering Code

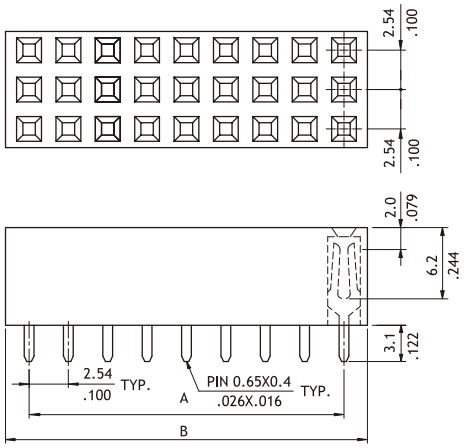
①	②	③	④	⑤	⑥
CB 9 7	4 0	2	H	1	0 0

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

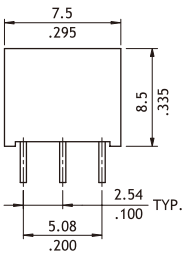
CB98 Series 2.54mm(.100") Triple Row Female Headers

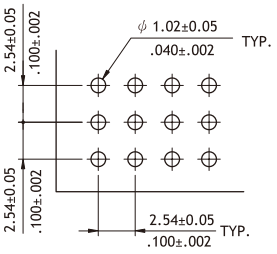
◎ Mates with CH96 series

RoHS Compliant



A = 2.54 * No. of Spaces
B = A + 3.04





Recommended PCB Layout

Ordering Code

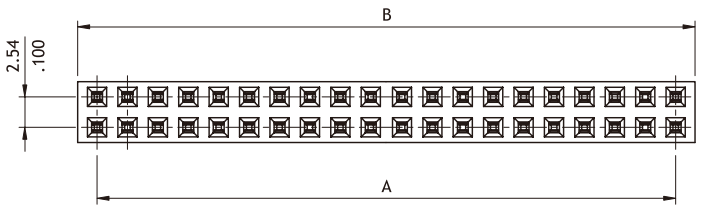
①	②	③	④	⑤	⑥
CB 9 8	X 2	2	V	1	0 0

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

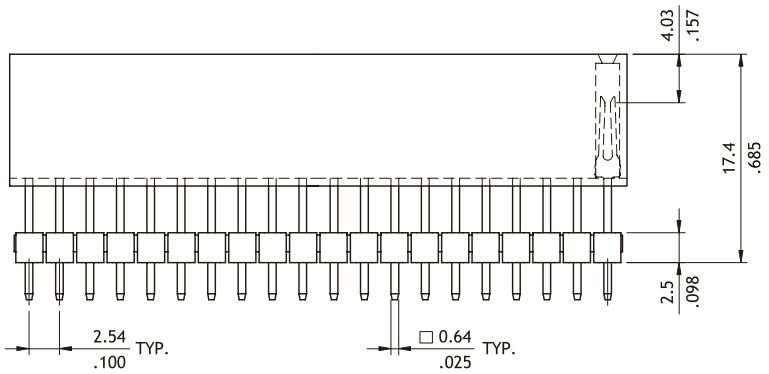
CB86 Series 2.54mm(.100") Dual Row Female Headers

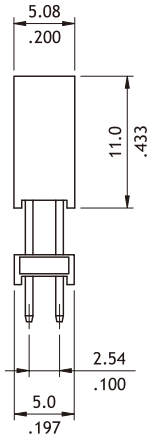
◎ Mates with CH81, CH84, CH85, CH87 and CH88 series

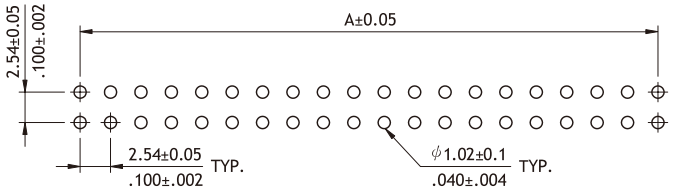
RoHS Compliant HF



A = 2.54 * No. of Spaces
B = A + 3.24







Recommended PCB Layout

Ordering Code

①	②	③	④	⑤	⑥
CB86	80	2	V	1	00

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