

SYSTEM CF Technical Specifications**Testing Methods of Electronic Connectors Follow Below Military Standards:**

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

0.30mm (.012") Center spacing FPC Connector

Electrical:	Physical:
Current rating: 0.3 Amp max.	Insulator: Color Nature , High temperature plastic
Dielectric Withstanding: 250 VAC for one minute	Flammability Rating: UL 94V-0
Contact Resistance: < 50 mΩ	Contacts: Copper Alloy
Insulation Resistance: > 50 MΩ	Contacts plating: Tin or Gold over Nickel
Operating Temperature: -25°C ~+85°C	Fixed TAB : Copper Alloy
	Fixed TAB plating: Tin over Nickel

0.50mm (.020") Center spacing FFC/FPC Connector

Electrical:	Physical:
Current rating: 0.4 ~ 0.5 Amp max.	Insulator: Color Nature and Black , High temperature plastic
Dielectric Withstanding: 250 VAC for one minute	Flammability Rating: UL 94V-0
Contact Resistance: < 30 mΩ	Contacts: Copper Alloy
Insulation Resistance: > 100 MΩ	Contacts plating: Tin or Gold over Nickel
Operating Temperature: -25°C ~+85°C	Fixed TAB : Copper Alloy
	Fixed TAB plating: Tin over Nickel

0.80mm (.032") Center spacing FFC/FPC Connector

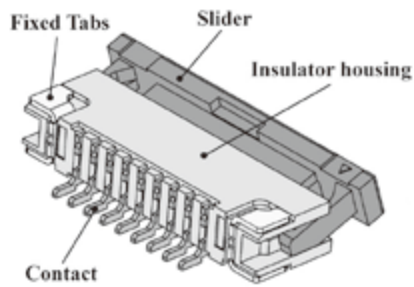
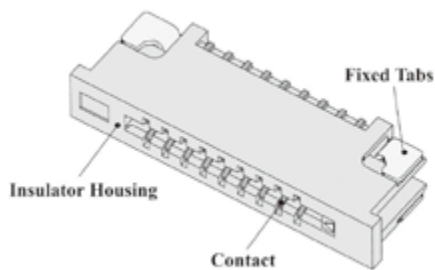
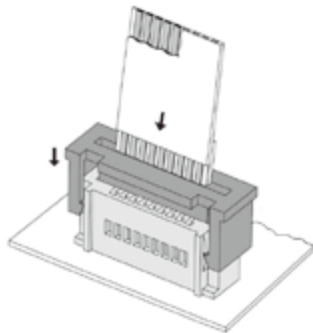
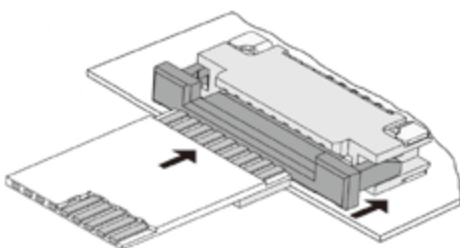
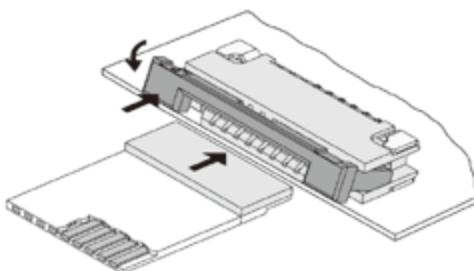
Electrical:	Physical:
Current rating: 0.4 Amp max.	Insulator: Color Nature and Brown, High temperature plastic
Dielectric Withstanding: 250 VAC for one minute	Flammability Rating: UL 94V-0
Contact Resistance: < 30 mΩ	Contacts: Copper Alloy
Insulation Resistance: > 100 MΩ	Contacts plating: Tin or Gold over Nickel
Operating Temperature: -25°C ~+85°C	Fixed TAB : Copper Alloy
	Fixed TAB plating: Tin over Nickel

1.00mm (.039") Center spacing FFC/FPC Connector

Electrical:	Physical:
Current rating: 1 Amp max.	Insulator: Color Nature and Black , High temperature plastic
Dielectric Withstanding: 500 VAC for one minute	Flammability Rating: UL 94V-0
Contact Resistance: < 20 mΩ	Contacts: Copper Alloy
Insulation Resistance: > 500 MΩ	Contacts plating: Tin over Nickel
Operating Temperature: -25°C ~+85°C	Fixed TAB : Copper Alloy
	Fixed TAB plating: Tin over Nickel

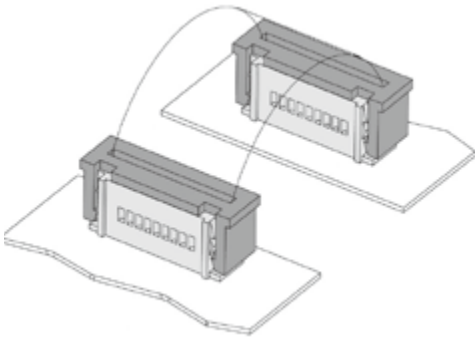
1.25mm (.049") Center spacing FFC/FPC Connector

Electrical:	Physical:
Current rating: 1 Amp max.	Insulator: Color Black, Glass filled polyester
Dielectric Withstanding: 500 VAC for one minute	Flammability Rating: UL 94V-0
Contact Resistance: < 20 mΩ	Contacts: Copper Alloy
Insulation Resistance: > 500 MΩ	Contacts plating: Tin over Nickel
Operating Temperature: -40°C ~+105°C	

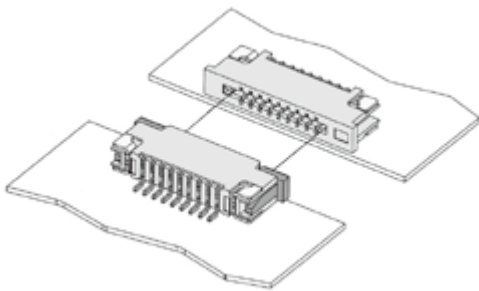
Construction of Connector**◎ Zero Insertion Force Type (ZIF)****◎ Low Insertion Force Type (LIF)****Applications****◎ Top Entry****◎ Side Entry to Upside Contact Connector****◎ Side Entry to Downside Contact Connector**

Connection Combinations of Connector and FFC Cable

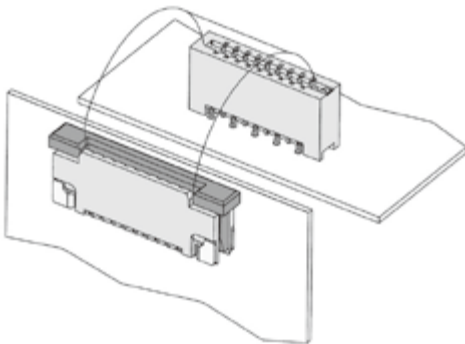
CF

**Both Ends with Zero Insertion Force Type Connector**

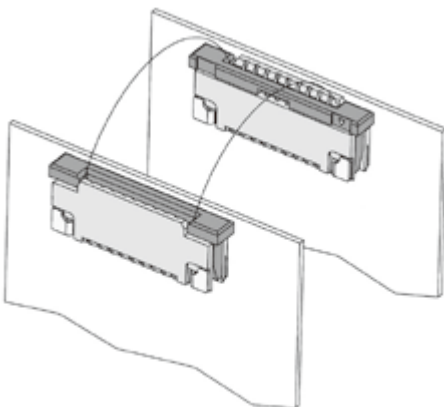
◎ Top Entry to Top Entry

**Low Insertion Force Connector to Zero Insertion Force Connector**

◎ Side Entry to Side Entry

**Low Insertion Force Connector to Zero Insertion Force Connector**

◎ Top Entry to Side Entry

**Both Ends with Zero Insertion Force Connector**

◎ Side Entry to Side Entry

⑦ Other Options:
0 = Standard
*Special option consult
manufacturer

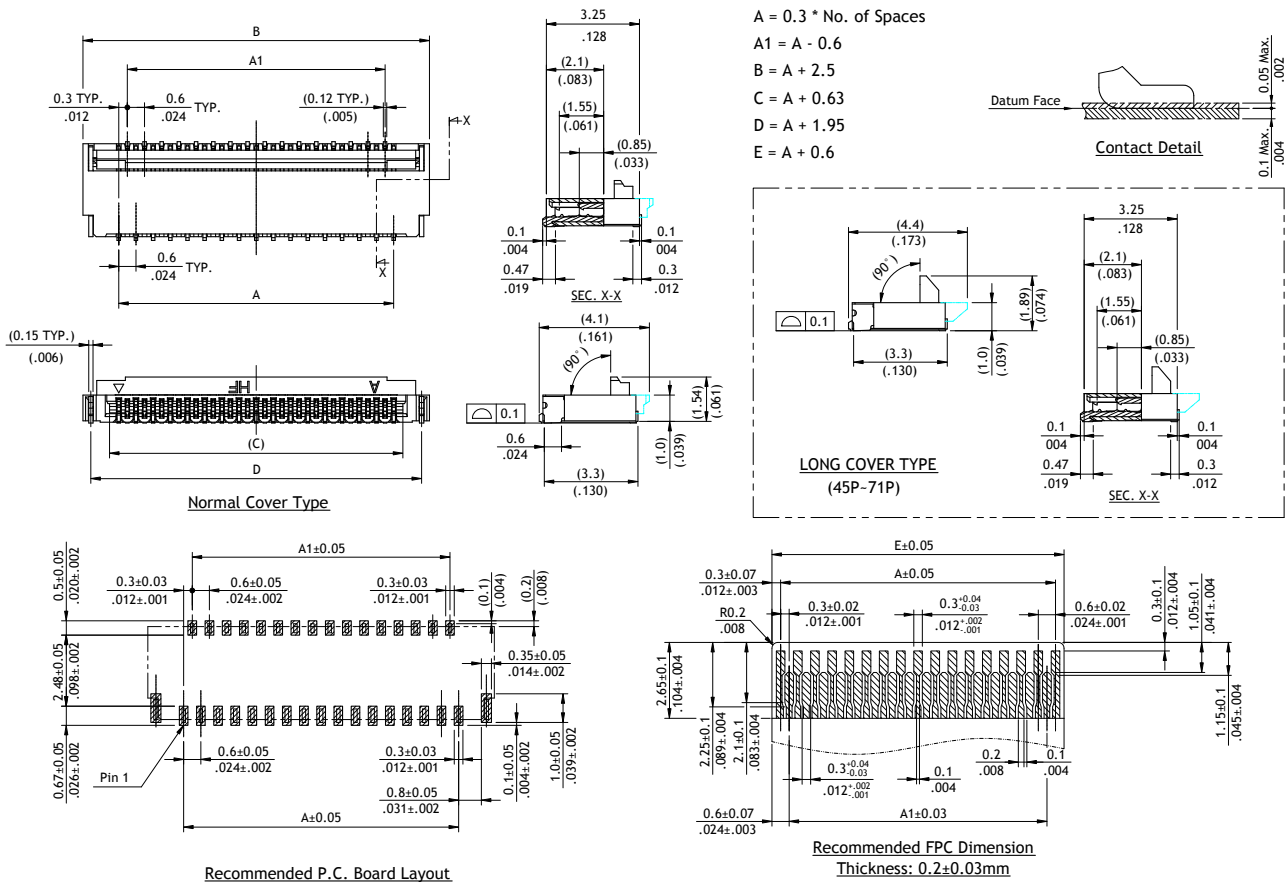
⑧ Process: -NH = For Lead Free
IR process and
Halogen-Free

CF43 Series 0.30mm(.012")H=1.00 SMT ZIF FFC/FPC Connectors (Back Flip)

- ① 1.0mm above the board
- ② FPC zero insertion force and high retention force
- ③ Insulator: High temperature plastic UL 94V-0, Color Nature
- ④ Cover: High temperature plastic UL 94V-0, Color Black
- ⑤ Designed easy for FPC installation and reliable operation
- ⑥ With metal fixed tabs to secure connector in place



RoHS Compliant  

**Ordering Code**

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
CF 4 3 5 1 2 H 0 R 0 - NH

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

- ④ Contact Style:
 H = Dual Side Contact
 ⑤ Color: 0 = Nature

- ⑥ Packing: R = Tape & Reel
 ⑦ Other Options:
 0 = Standard
 ⑧ Process: -NH = For Lead Free IR process and Halogen-Free



A = 0.3 * No. of Spaces
A' = A - 0.6
B = A + 1.8
C = A + 0.63
D = A + 1.25
E = A + 0.6

Recommended FPC Dimension
Thickness: 0.2±0.03mm

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

CF 3 8

39

2

D

1

R

0

NH

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

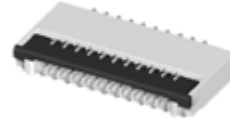
⑤ Color: 1 = Black

CF30 Series 0.30mm(.012")H=1.25 SMT ZIF One-Touch FFC/FPC Connectors

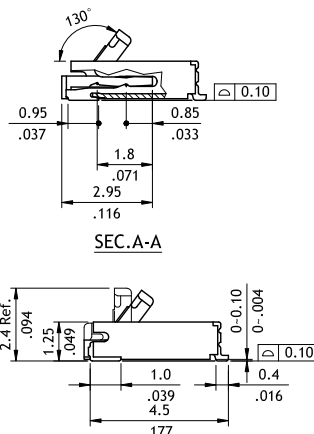
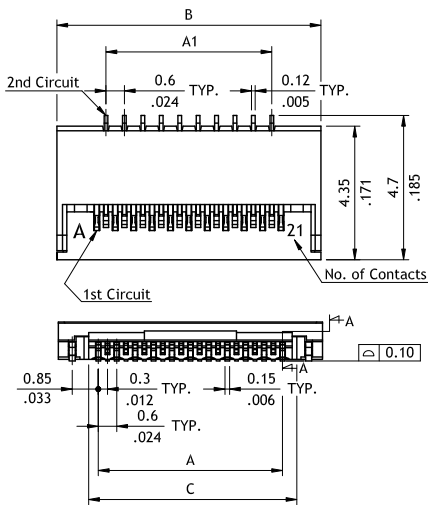
CF

- ◎ 1.25mm above the board
- ◎ FPC zero insertion force and high retention force
- ◎ Insulator: High temperature plastic UL 94V-0, Color Nature
- ◎ Cover: High temperature plastic UL 94V-0, Color Black
- ◎ Designed easy for FPC installation and reliable operation
- ◎ With metal fixed tabs to secure connector in place
- ◎ Accepts 0.2mm thickness FPC

RoHS Compliant



P/N CF30**2D0RA-NH

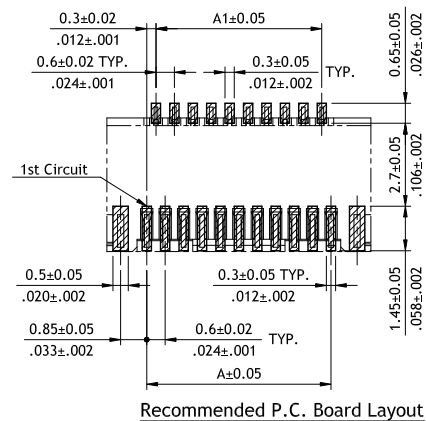


$$A = 0.3 * (\text{No. of Contacts} - 1)$$

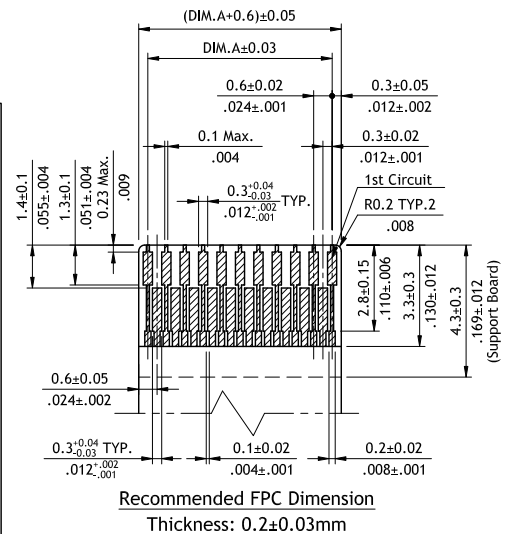
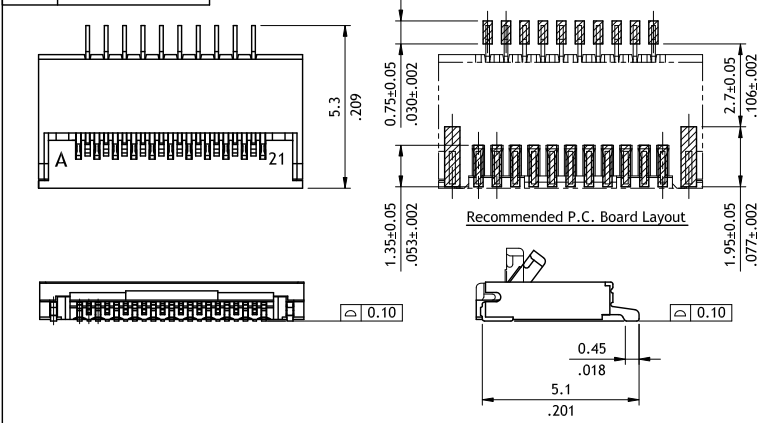
$$A1 = A - 0.6$$

$$B = A + 2.6$$

$$C = A + 0.63$$



P/N CF30**2D0RB-NH

**Ordering Code**

① CF 30 ② 4 5 ③ 2 ④ D ⑤ 0 ⑥ R ⑦ A - ⑧ NH

- ① Series No.
 ② No. of Circuits: 11 to 45
 (Available: 11,21,25,31,35,37, 39,41,45)
 *Circuits not found above
 please consult manufacturer*

- ③ Plating Code:
 2 = Gold flash over Nickel
 ④ Contact Style:
 D = Downside Contact
 ⑤ Color: 0 = Nature
 ⑥ Packing: R = Tape & Reel

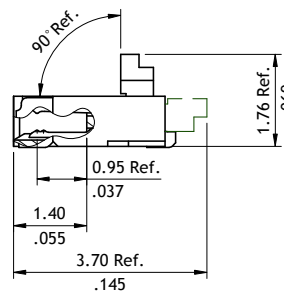
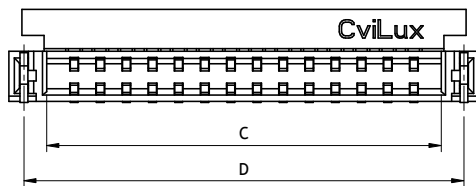
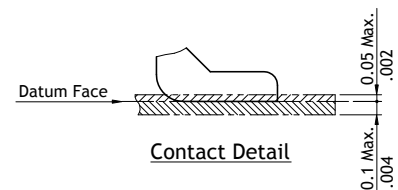
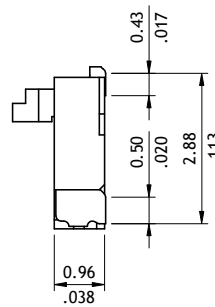
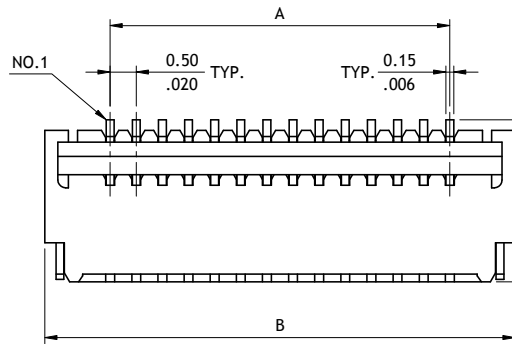
- ⑦ Other Options:
 A = Lead-Less Type
 B = Lead Type
 * Special options consult
 manufacturer
 ⑧ Process: -NH = For Lead Free IR
 process and
 Halogen-Free

CF42 Series 0.50mm(.020")H=0.96 SMT ZIF FFC/FPC Connectors (Back Flip)

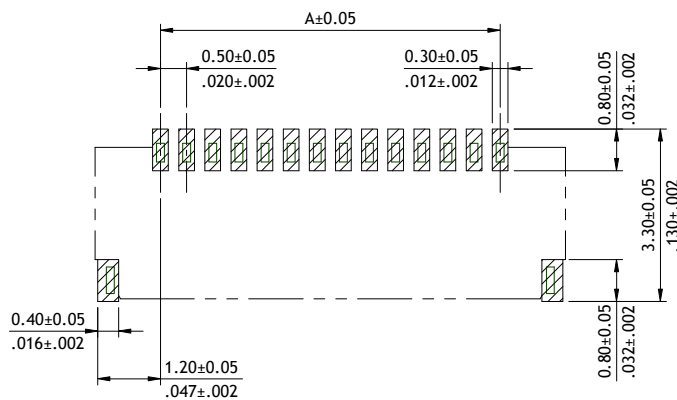
- ⊙ 0.96mm above the board
- ⊙ FFC/FPC zero insertion force and high retentions force
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ Cover: High temperature plastic UL 94V-0, Color Black
- ⊙ Designed easy for FFC/FPC installation and reliable operation
- ⊙ With metal fixed tabs to secure connector in place



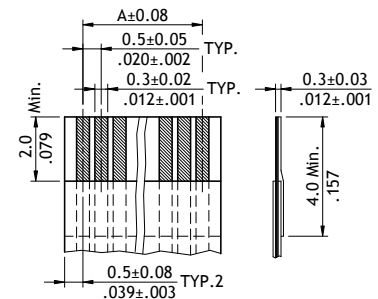
RoHS Compliant  



$$\begin{aligned} A &= 0.5 * \text{No. of Spaces} \\ B &= A + 2.5 \\ C &= A + 1.05 \\ D &= A + 1.92 \end{aligned}$$



Recommended P.C Board Layout



Accommodated FFC/FPC

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨
CF 4 2 2 0 F H 0 R 0 - 05 - NH

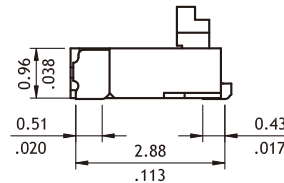
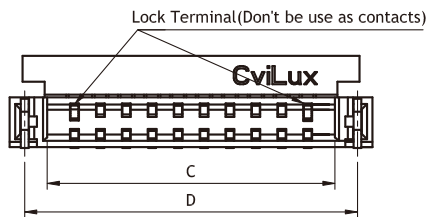
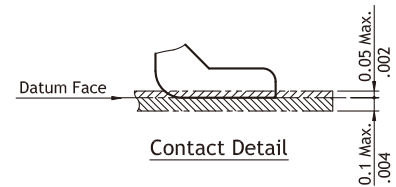
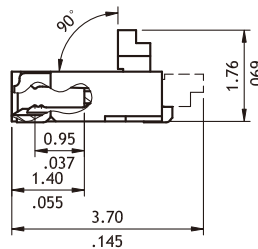
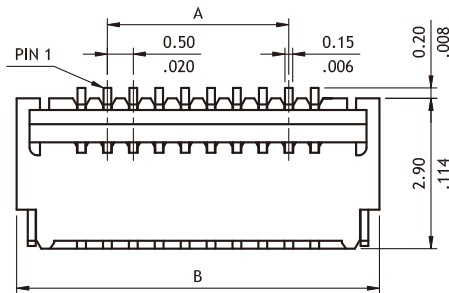
- ① Series No.
 ② No. of Circuits: 02 to 50
 (Available: 2~30,34,36,40,45,50)
 Circuits not found above please consult manufacturer

- ③ Plating Code:
 1 = Matte Tin over Nickel
 F = Gold flash over Nickel
 ④ Contact Style:
 H = Dual Side
 ⑤ Color: 0 = Nature

- ⑥ Packing:
 R = Tape & Reel
 ⑦ Other Options:
 0 = Standard
 ⑧ Pitch: 05 = 0.50 mm
 ⑨ Process: -NH = For Lead Free IR process and Halogen-Free

CF42 Series 0.50mm(.020")H=0.96 SMT ZIF FFC/FPC Connectors (Back Flip)

- 0.96mm above the board
- FFC/FPC zero insertion force and high retentions force
- Insulator: High temperature plastic UL 94V-0, Color Nature
- Cover: High temperature plastic UL 94V-0, Color Black
- Designed easy for FFC/FPC installation and reliable operation
- With metal fixed tabs to secure connector in place

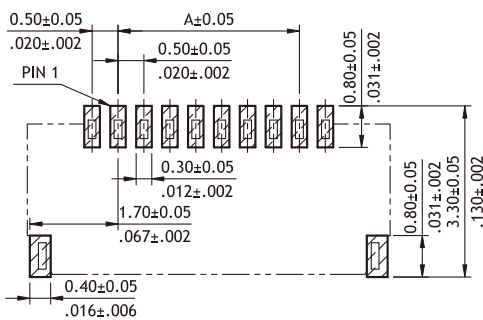
NEWRoHS Compliant  

$$A = 0.5 * (\text{No. of Spaces}-1)$$

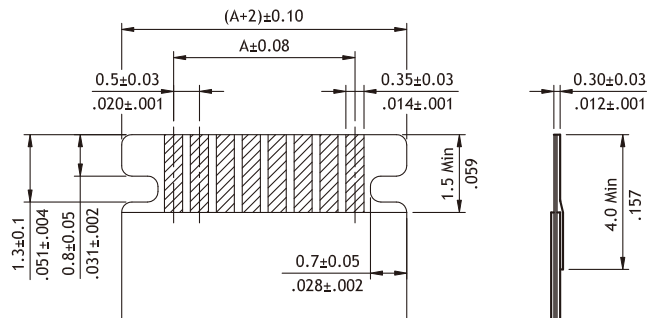
$$B = A + 3.5$$

$$C = A + 2.05$$

$$D = A + 2.92$$



Recommended PCB Layout



Accommodated FFC/FPC

Ordering Code

①	②	③	④	⑤	⑥	⑦	⑧	⑨
CF 4 2	0 8	F	H	0	R	A	- 05 -	NH

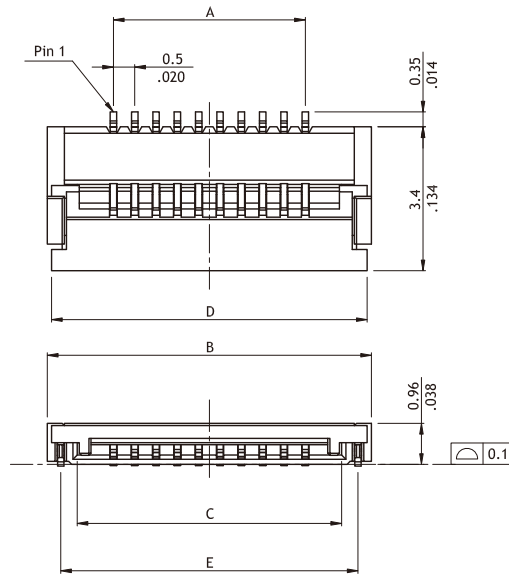
- ① Series No.
 ② No. of Circuits: 04 to 29
 (Available: 8)
 Circuits not found above please consult manufacturer

- ③ Plating Code:
 1 = Matte Tin over Nickel
 F = Gold flash over Nickel
 ④ Contact Style:
 H = Dual Side
 ⑤ Color: 0 = Nature

- ⑥ Packing:
 R = Tape & Reel
 ⑦ Other Options:
 A = Inner Lock Type
 ⑧ Pitch: 05 = 0.50 mm
 ⑨ Process: -NH = For Lead Free IR process and Halogen-Free

CF35 Series 0.50mm(.020")H=0.96 SMT ZIF One-Touch FFC/FPC Connectors

- 0.96mm above the board
- FFC/FPC zero insertion force and high retention force
- Insulation: High temperature plastic UL 94V-0, Color Nature
- Cover: High temperature plastic UL 94V-0, Color Black
- Actuator designed easy for FFC/FPC installation and reliable operation
- With metal fixed tabs to secure connector in place

NEWRoHS Compliant  

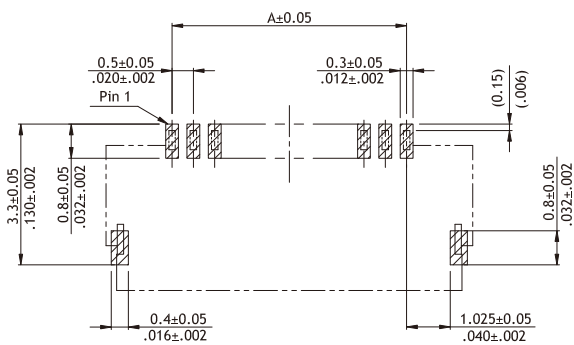
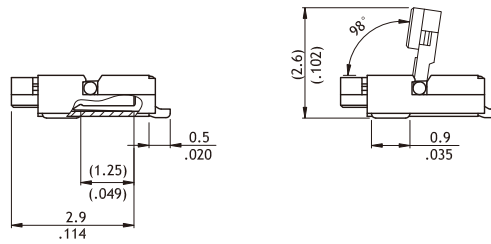
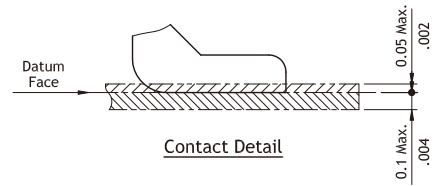
$$A = 0.5 * \text{No. of Spaces}$$

$$B = A + 3.1$$

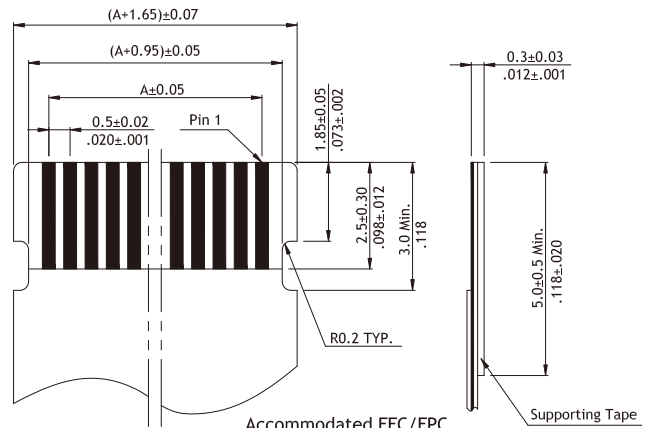
$$C = A + 1.67$$

$$D = A + 2.9$$

$$E = A + 2.42$$



Recommended PCB Layout



Accommodated FFC/FPC

Ordering Code

① CF 35 ② 10 ③ 2 ④ D ⑤ 0 ⑥ R ⑦ A - ⑧ NH

- ① Series No.
 ② No. of Circuits: 04 to 40
 (Available: 10)
 Circuits not found above please consult manufacturer
 ③ Plating Code:
 2 = Gold flash over Nickel

- ④ Contact Style:
 D = Downside Contact
 ⑤ Color: 0 = Nature
 ⑥ Packing:
 R = Tape & Reel

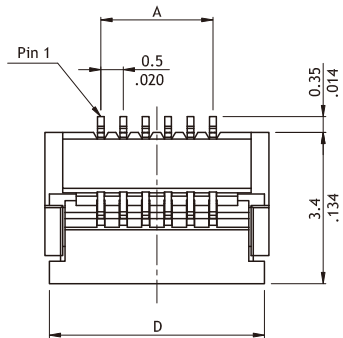
- ⑦ Other Options:
 A = With Latch Type
 *Special option consult manufacturer
 ⑧ Process: -NH = For Lead Free IR process and Halogen-Free

CF35 Series 0.50mm(.020")H=0.96 SMT ZIF One-Touch FFC/FPC Connectors

- ⊙ 0.96mm above the board
- ⊙ FFC/FPC zero insertion force and high retention force
- ⊙ Insulation: High temperature plastic UL 94V-0, Color Nature
- ⊙ Cover: High temperature plastic UL 94V-0, Color Black
- ⊙ Actuator designed easy for FFC/FPC installation and reliable operation
- ⊙ With metal fixed tabs to secure connector in place

NEW

RoHS Compliant



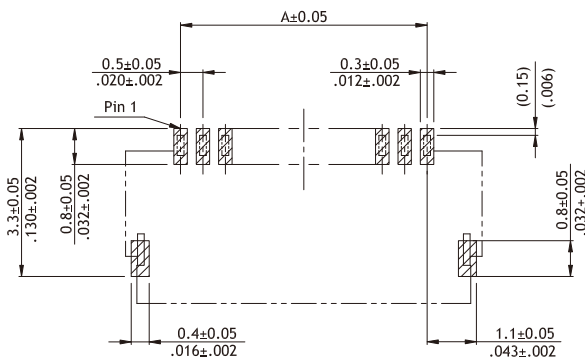
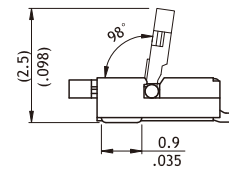
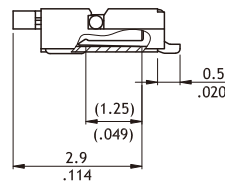
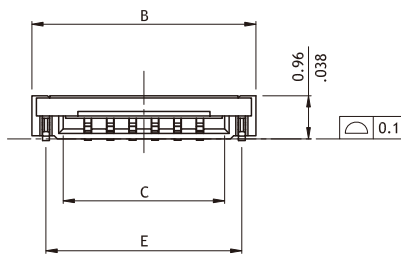
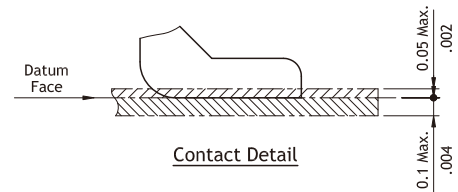
A = 0.5 * No. of Spaces

B = A + 2.5

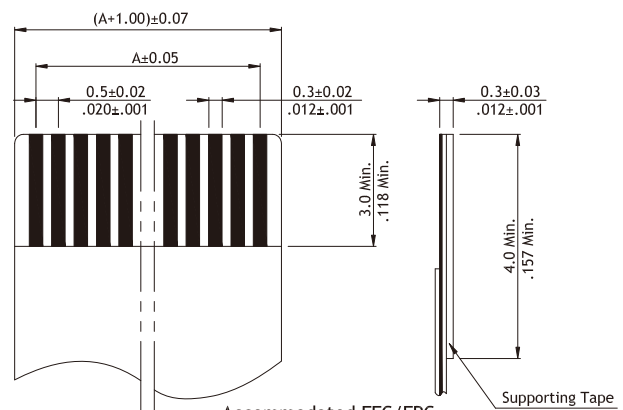
C = A + 1.1

D = A + 2.3

E = A + 1.87



Recommended PCB Layout



Accommodated FFC/FPC

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
CF 3 5 0 8 2 D 0 R B - NH

- ① Series No.
 ② No. of Circuits: 6,8
 Circuits not found above please consult manufacturer
 ③ Plating Code:
 2 = Gold flash over Nickel

- ④ Contact Style:
 D = Downside Contact
 ⑤ Color: 0 = Nature
 ⑥ Packing:
 R = Tape & Reel

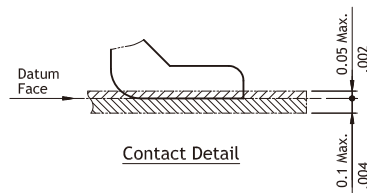
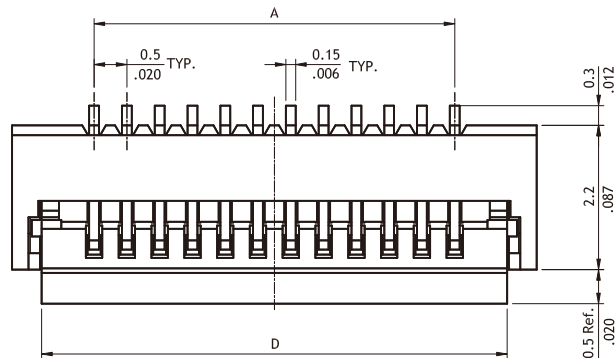
- ⑦ Other Options:
 B = Without Latch Type
 *Special option consult manufacturer
 ⑧ Process: -NH = For Lead Free IR process and Halogen-Free

CF29 Series 0.50mm(.020")H=1.15 SMT ZIF One-Touch FFC/FPC Connectors

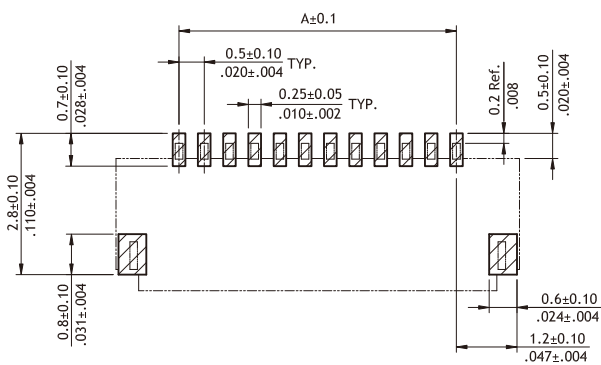
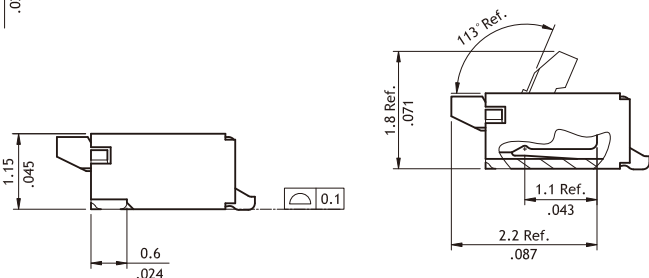
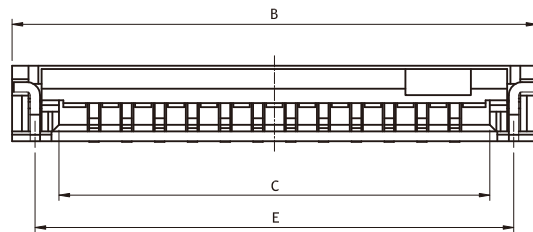
- ① 1.15mm above the board
- ② FFC/FPC zero insertion force and high retention force
- ③ Insulation: High temperature plastic UL 94V-0, Color Nature
- ④ Cover: High temperature plastic UL 94V-0, Color Black
- ⑤ Actuator designed easy for FFC/FPC installation and reliable operation
- ⑥ With metal fixed tabs to secure connector in place



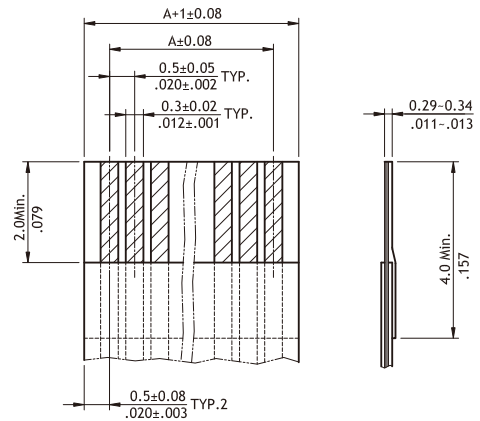
RoHS Compliant  



$$\begin{aligned} A &= 0.5 \times \text{No. of Spaces} \\ B &= A + 2.5 \\ C &= A + 1.07 \\ D &= A + 1.6 \\ E &= A + 1.8 \end{aligned}$$



Recommended PCB Layout



Accommodated FFC/FPC

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
CF 2 9 1 4 2 D 0 R 0 - NH

- ① Series No.
 ② No. of Circuits: 04 to 40
 (Available: 8,10,12,14,40)
 Circuits not found above please consult manufacturer
 ③ Plating Code:
 2 = Gold flash over Nickel

- ④ Contact Style:
 D = Downside Contact
 ⑤ Color: 0 = Nature
 ⑥ Packing:
 R = Tape & Reel

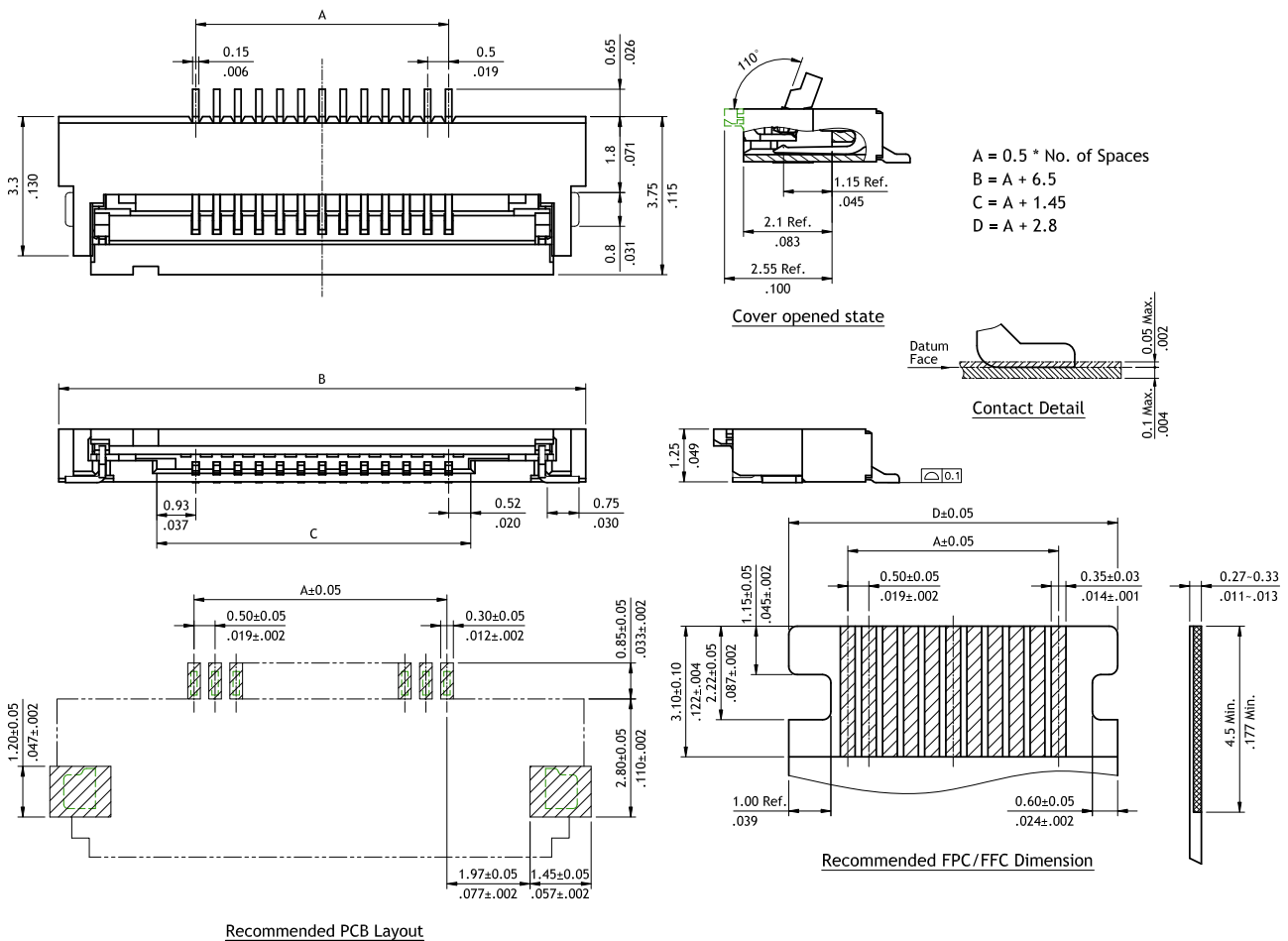
- ⑦ Other Options:
 0 = Standard
 *Special option consult manufacturer
 ⑧ Process: -NH = For Lead Free IR process and Halogen-Free

CF55 Series 0.50mm(.020")H=1.25 SMT ZIF FFC/FPC Connectors

- ⊙ 1.25mm above the board
- ⊙ FFC/FPC zero insertion force and high holding force
- ⊙ Insulation: High temperature plastic UL 94V-0, Color Nature
- ⊙ Cover: High temperature plastic UL 94V-0, Color Black
- ⊙ Actuator designed easy for FFC/FPC installation and reliable operation
- ⊙ With metal fixed tabs to secure connector in place



RoHS Compliant

**Ordering Code**

① CF 55 ② 1 2 ③ 1 ④ D ⑤ 0 ⑥ R ⑦ 0 - ⑧ NH

- ① Series No.
 ② No. of Circuits:
 6,8,11,12,13,14,36,40
 (Available: 6,8,11,12,36)
 *Circuits not found above please
 consult manufacturer*

- ③ Plating Code:
 1 = Matte Tin over Nickel
 F = Gold Flash over Nickel
 ④ Contact Style:
 D = Downside Contact
 ⑤ Color: 0 = Nature

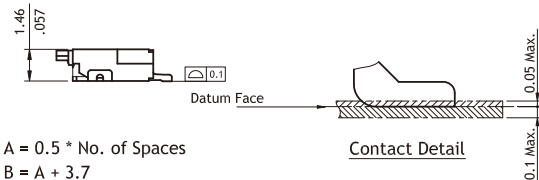
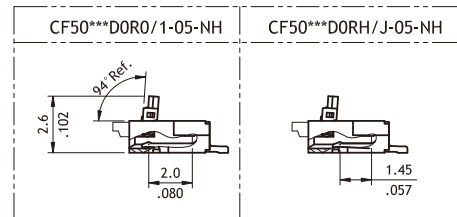
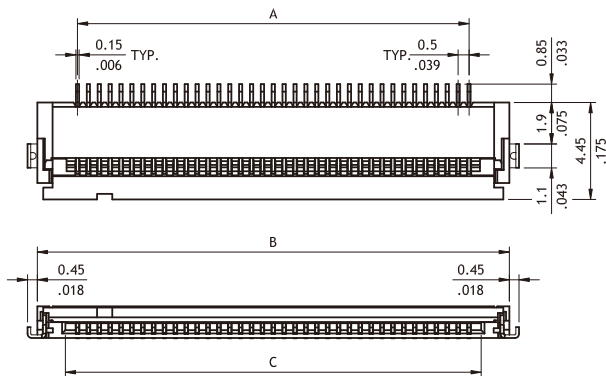
- ⑥ Packing:
 R = Tape & Reel
 ⑦ Other Options:
 0 = Standard
 ⑧ Process: -NH = For Lead Free IR
 process and
 Halogen-Free

CF50 Series 0.50mm(.020")H=1.46 SMT ZIF One-Touch FFC/FPC Connectors

- ① 1.46mm above the board
- ② FFC/FPC zero insertion force and high retention force
- ③ Insulation: High temperature plastic UL 94V-0, Color Nature
- ④ Cover: High temperature plastic UL 94V-0, Color Black
- ⑤ Actuator designed easy for FFC/FPC installation and reliable operation
- ⑥ With metal fixed tabs to secure connector in place



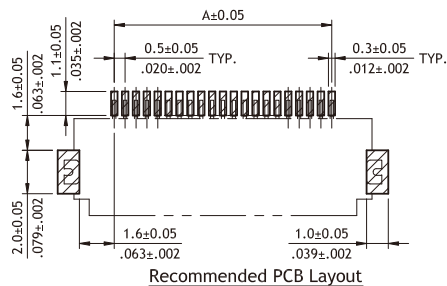
RoHS Compliant



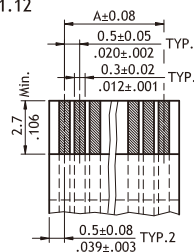
A = 0.5 * No. of Spaces

B = A + 3.7

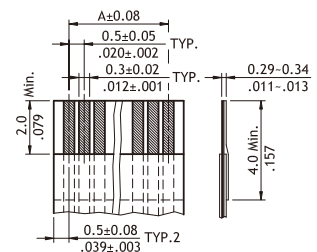
C = A + 1.12



Recommended PCB Layout



(R0/R1 Type)



(RH/RJ Type)

Accommodated FFC/FPC

Ordering Code

① CF 50 ② 40 ③ 1 ④ D ⑤ 0 ⑥ R0 ⑦ - 05 ⑧ - NH

- ① Series No.
- ② No. of Circuits: 4 to 61
- ③ Plating Code:
1 = Matte Tin over Nickel
F = Gold flash over Nickel
- ④ Contact Style:
D = Downside Contact
- ⑤ Color: 0 = Nature
- ⑥ Packing:
R0 = Tape & Reel without Mylar
R1 = Tape & Reel with Mylar
- ⑦ Pitch: 05 = 0.50 mm
- ⑧ -NH = For Lead Free IR process and Halogen-Free

① CF 50 ② 40 ③ 1 ④ D ⑤ 0 ⑥ RH ⑦ - 05 ⑧ - NH

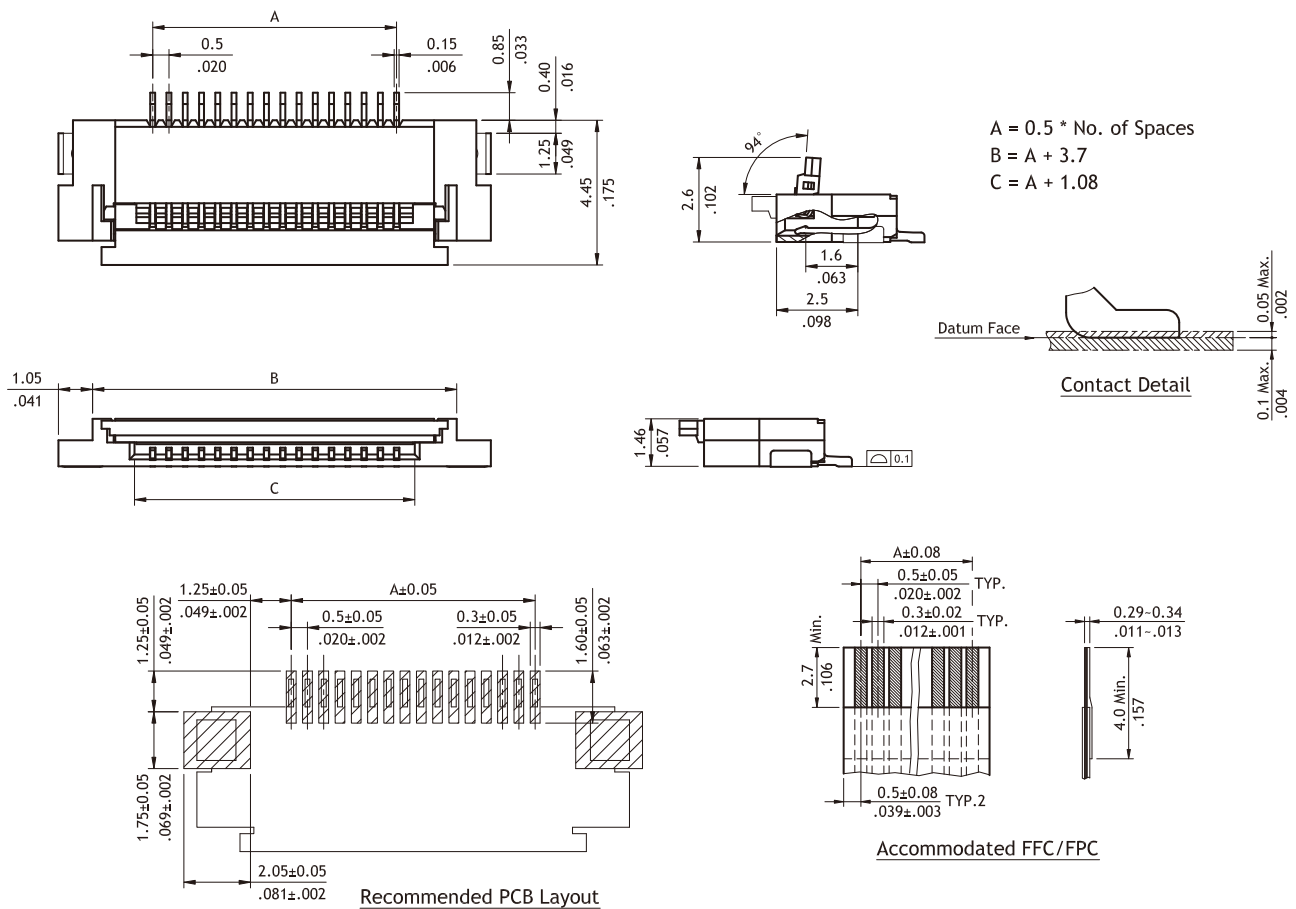
- ① Series No.
- ② No. of Circuits: 4 to 61
- ③ Plating Code:
1 = Matte Tin over Nickel
F = Gold flash over Nickel
- ④ Contact Style:
D = Downside Contact
- ⑤ Color: 0 = Nature
- ⑥ Packing:
RH = Tape & Reel without Mylar
RJ = Tape & Reel with Mylar
- ⑦ Pitch: 05 = 0.50 mm
- ⑧ Process: -NH = For Lead Free IR process and Halogen-Free

CF50 Series 0.50mm(.020")H=1.46 SMT ZIF One-Touch FFC/FPC Connectors

- ① 1.46mm above the board
- ② FFC/FPC zero insertion force and high retention force
- ③ Insulation: High temperature plastic UL 94V-0, Color Nature
- ④ Cover: High temperature plastic UL 94V-0, Color Black
- ⑤ Actuator designed easy for FFC/FPC installation and reliable operation
- ⑥ With metal fixed tabs to secure connector in place

NEW

RoHS Compliant

**Ordering Code**

①	②	③	④	⑤	⑥	⑦	⑧
CF50	12	1	D	0	RC	05	NH

- ① Series No.
 ② No. of Circuits: 8, 12
 Circuits not found above please consult manufacturer
 ③ Plating Code:
 1 = Matte Tin over Nickel
 F = Gold flash over Nickel

- ④ Contact Style:
 D = Downside Contact
 ⑤ Color: 0 = Nature
 ⑥ Packing:
 RC = Tape & Reel

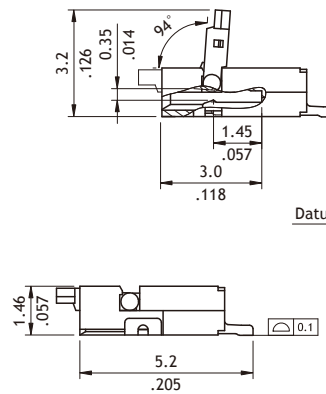
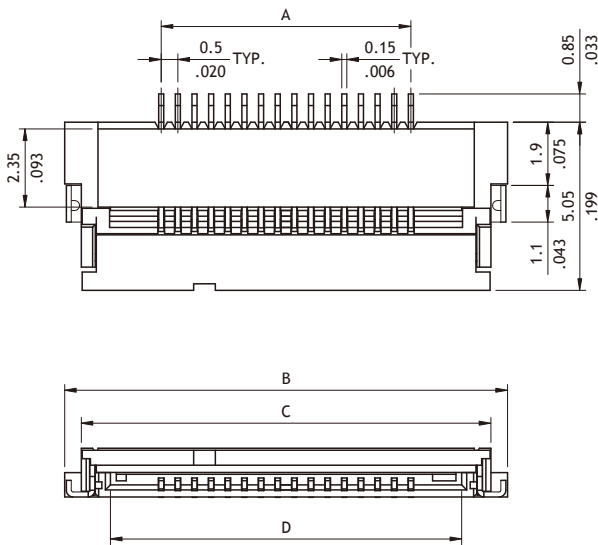
- ⑦ Pitch: 05 = 0.50 mm
 ⑧ Process: -NH = For Lead Free
 IR process and
 Halogen-Free

CF50 Series 0.50mm(.020")H=1.46 SMT ZIF One-Touch FFC/FPC Connectors

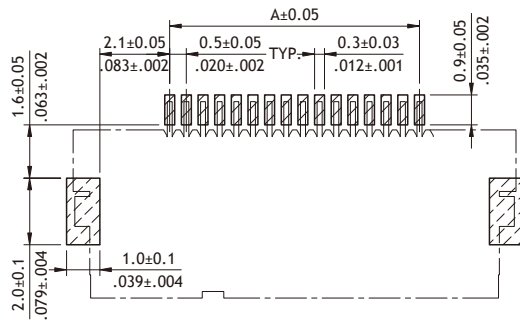
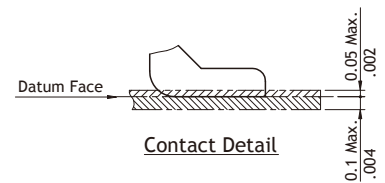
- ① 1.46mm above the board
- ② FFC/FPC zero insertion force and high retention force
- ③ Insulation: High temperature plastic UL 94V-0, Color Nature
- ④ Cover: High temperature plastic UL 94V-0, Color Black
- ⑤ Actuator designed easy for FFC/FPC installation and reliable operation
- ⑥ With metal fixed tabs to secure connector in place



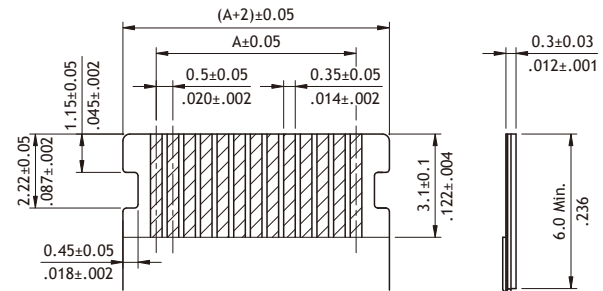
RoHS Compliant  



$$\begin{aligned} A &= 0.5 * \text{No. of Spaces} \\ B &= A + 5.8 \\ C &= A + 4.8 \\ D &= A + 2.1 \end{aligned}$$



Recommended PCB Layout



Accommodated FFC/FPC

Ordering Code

①	②	③	④	⑤	⑥		⑦		⑧
CF 5 0	2 3	1	D	0	RG	-	0 5	-	NH

- ① Series No.
 ② No. of Circuits: 8, 23
 Circuits not found above please consult manufacturer
 ③ Plating Code:
 1 = Matte Tin over Nickel
 F = Gold flash over Nickel

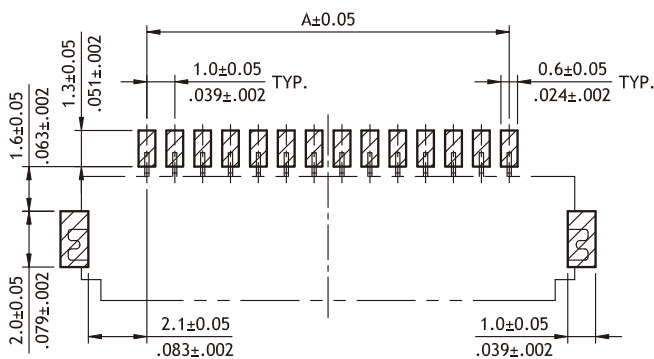
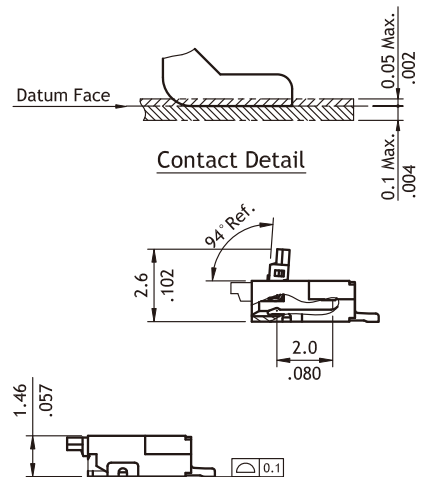
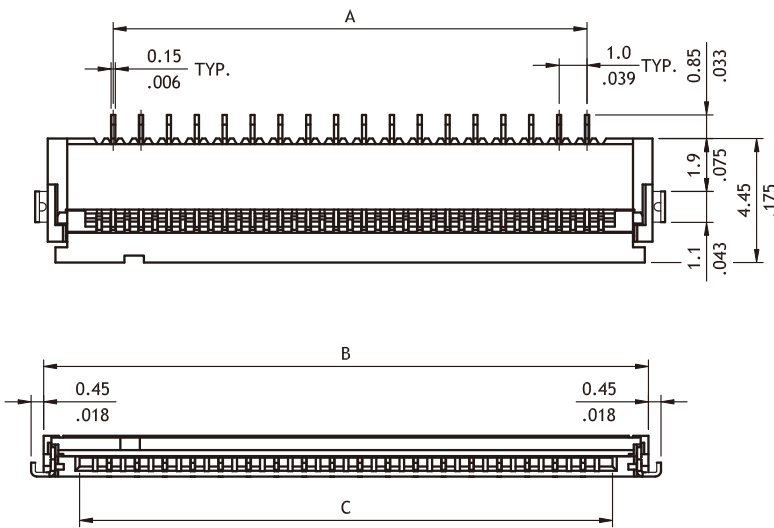
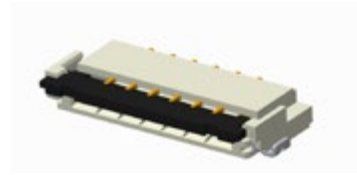
- ④ Contact Style:
 D = Downside Contact
 ⑤ Color: 0 = Nature
 ⑥ Packing:
 RG = Tape & Reel

- ⑦ Pitch: 05 = 0.50 mm
 ⑧ Process: -NH = For Lead Free
 IR process and
 Halogen-Free

CF50 Series 1.00mm(.039")H=1.46 SMT ZIF One-Touch FFC/FPC Connectors

- ⊙ 1.46mm above the board
- ⊙ FFC/FPC zero insertion force and high retention force
- ⊙ Insulation: High temperature plastic UL 94V-0, Color Nature
- ⊙ Cover: High temperature plastic UL 94V-0, Color Black
- ⊙ Actuator designed easy for FFC/FPC installation and reliable operation
- ⊙ With metal fixed tabs to secure connector in place

RoHS Compliant

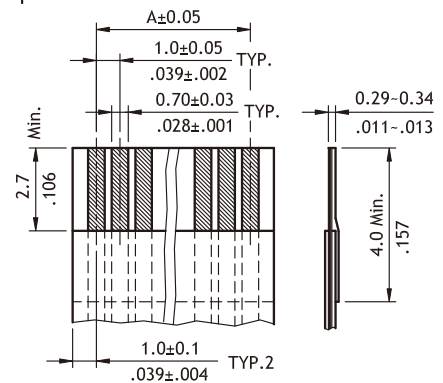


Recommended PCB Layout

$$A = 1.0 * \text{No. of Spaces}$$

$$B = A + 4.7$$

$$C = A + 2.12$$



Accommodated FFC/FPC

Ordering Code

①	②	③	④	⑤	⑥	⑦	⑧
CF50	24	1	D	0	R0	10	NH

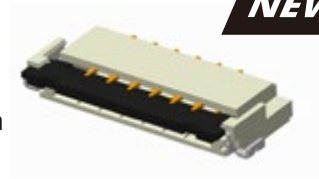
- ① Series No.
- ② No. of Circuits: 04 to 30
(Available: 4,6,8,10,12,18,24,26,30)
Circuits not found above please consult manufacturer
- ③ Plating Code:
1 = Matte Tin over Nickel
F = Gold flash over Nickel

- ④ Contact Style:
D = Downside Contact
- ⑤ Color: 0 = Nature
- ⑥ Packing:
R0 = Tape & Reel without Mylar
R1 = Tape & Reel with Mylar

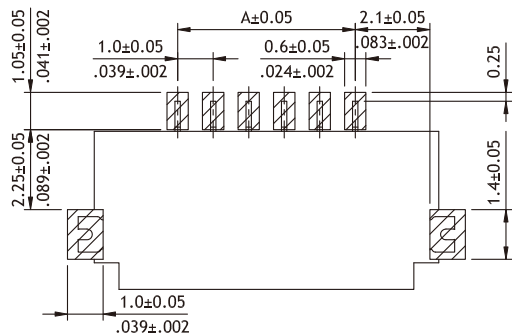
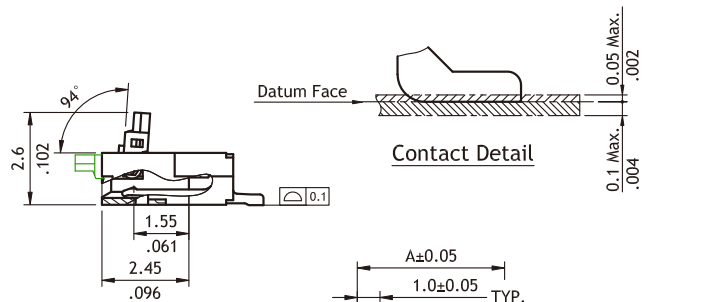
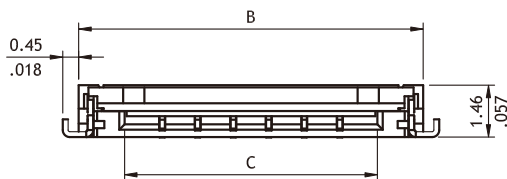
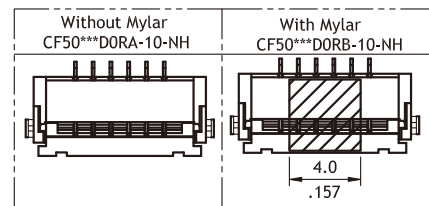
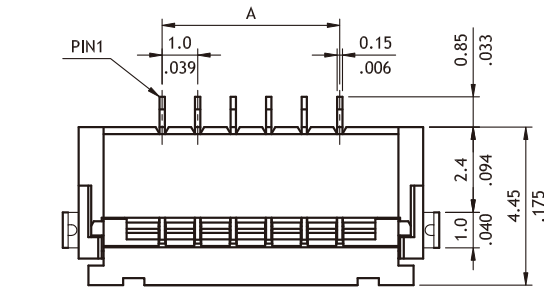
- ⑦ Pitch: 10 = 1.00 mm
- ⑧ Process: -NH = For Lead Free
IR process and
Halogen-Free

CF50 Series 1.00mm(.039")H=1.46 SMT ZIF One-Touch FFC/FPC Connectors

- ① 1.46mm above the board
- ② FFC/FPC zero insertion force and high retention force
- ③ Insulation: High temperature plastic UL 94V-0, Color Nature
- ④ Cover: High temperature plastic UL 94V-0, Color Black
- ⑤ Actuator designed easy for FFC/FPC installation and reliable operation
- ⑥ With metal fixed tabs to secure connector in place

NEW

RoHS Compliant

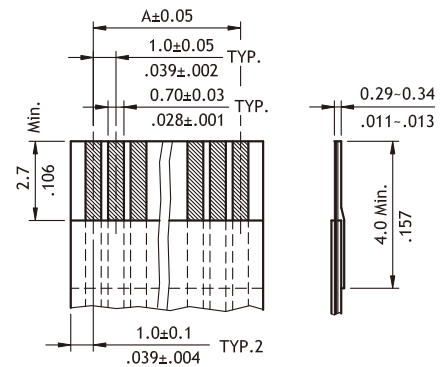


Recommended PCB Layout

A = 1.0 * No. of Spaces

B = A + 4.7

C = A + 2.12



Accommodated FFC/FPC

Ordering Code

①	②	③	④	⑤	⑥	⑦	⑧
CF50	08	1	D	0	RA	10	NH

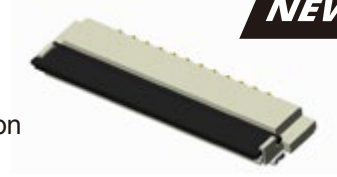
- ① Series No.
 ② No. of Circuits: 6, 8
 Circuits not found above please consult manufacturer
 ③ Plating Code:
 1 = Matte Tin over Nickel
 F = Gold flash over Nickel

- ④ Contact Style:
 D = Downside Contact
 ⑤ Color: 0 = Nature
 ⑥ Packing:
 RA = Tape & Reel without Mylar
 RB = Tape & Reel with Mylar

- ⑦ Pitch: 10 = 1.00 mm
 ⑧ Process: -NH = For Lead Free IR process and Halogen-Free

CF

- NEW**





① ② ③ ④ ⑤ ⑥ ⑦ ⑧

NH

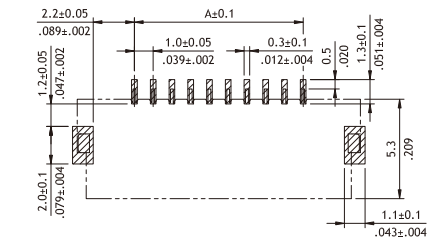
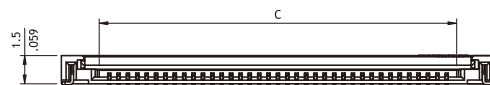
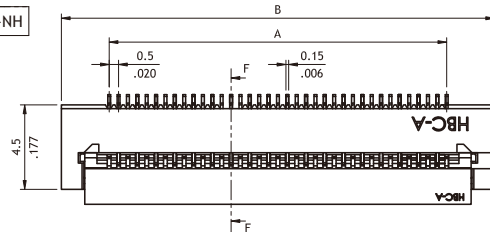
⑦ Pitch: 10 = 1.00 mm
⑧ Process: -NH = For Lead Free
IR process and
Halogen-Free

CF50 Series 0.50/1.00mm(.020"/.039")H=1.5 SMT ZIF One-Touch FFC/FPC Connectors

- 1.46mm above the board
- FFC/FPC zero insertion force and high retention force
- Insulation: High temperature plastic UL 94V-0, Color Nature
- Cover: High temperature plastic UL 94V-0, Color Black
- Actuator designed easy for FFC/FPC installation and reliable operation
- With metal fixed tabs to secure connector in place

NEWRoHS Compliant  

P/N CF50***D0RK-05-NH

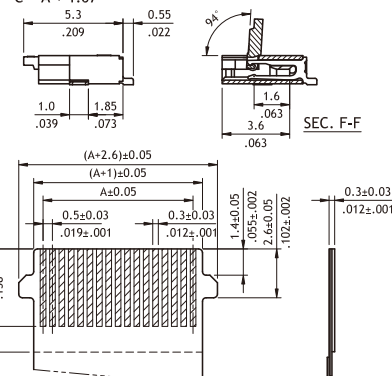


Recommended PCB Layout

$$A = 1.0 \times \text{No. of Spaces}$$

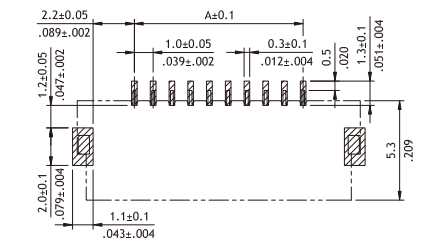
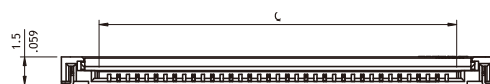
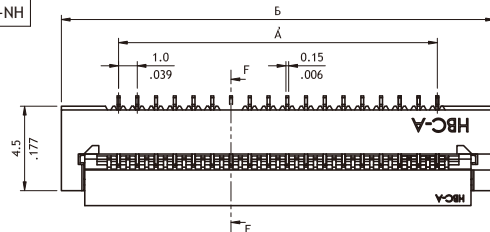
$$B = A + 5.1$$

$$C = A + 1.07$$



Accommodated FFC/FPC

P/N CF50***D0RK-10-NH

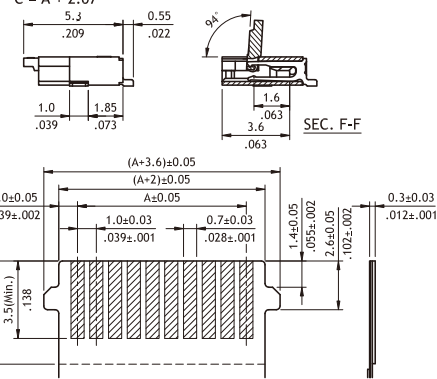


Recommended PCB Layout

$$A = 1.0 \times \text{No. of Spaces}$$

$$B = A + 6.1$$

$$C = A + 2.07$$



Accommodated FFC/FPC

Ordering Code

①	②	③	④	⑤	⑥	⑦	⑧
CF	50	10	1	D	0	RK	- 10 - NH

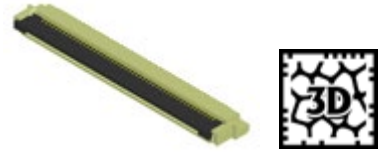
- ① Series No.
 ② No. of Circuits:
 0.5 pitch: 12, 20, 26
 1.0 pitch: 10
 ③ Plating Code:
 1 = Matte Tin over Nickel
 F = Gold flash over Nickel

- ④ Contact Style:
 D = Downside Contact
 ⑤ Color: 0 = Nature
 ⑥ Packing:
 RK = Tape & Reel without Mylar
 TK = Tube packing

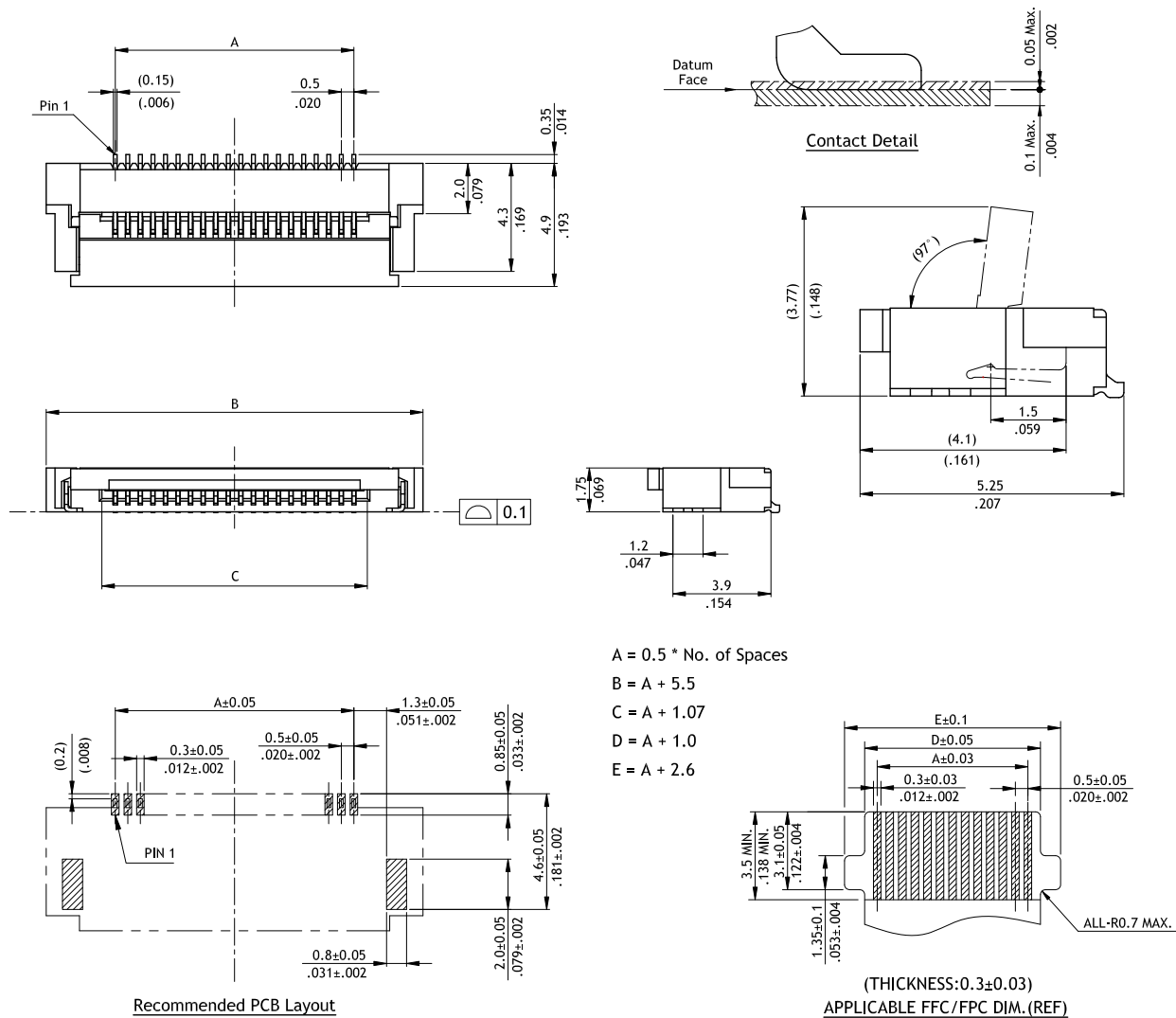
- ⑦ Pitch: 10 = 1.00 mm
 05 = 0.50 mm
 ⑧ Process: -NH = For Lead Free
 IR process and
 Halogen-Free

CF61 Series 0.50mm(.020")H=1.75 SMT ZIF One-Touch FFC/FPC Connectors

- ① 1.75mm above the board
- ② FFC/FPC zero insertion force and high retention force
- ③ Insulation: High temperature plastic UL 94V-0, Color Nature
- ④ Cover: High temperature plastic UL 94V-0, Color Black
- ⑤ Actuator designed easy for FFC/FPC installation and reliable operation
- ⑥ With metal fixed tabs to secure connector in place



RoHS Compliant  

**Ordering Code**

①	②	③	④	⑤	⑥	⑦	⑧	⑨
CF 6 1	1 4	1	D	0	R	0	- 05	- NH

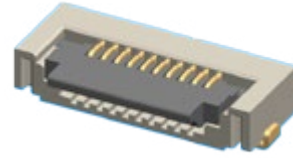
- ① Series No.
 ② No. of Circuits: 04 to 60
 (Available: 6,10,12,14)
 Circuits not found above please consult manufacturer
 ③ Plating Code:
 1 = Matte Tin over Nickel
 2 = Gold flash over Nickel

- ④ Contact Style:
 D = Downside Contact
 ⑤ Color: 0 = Nature
 ⑥ Packing:
 R = Tape & Reel

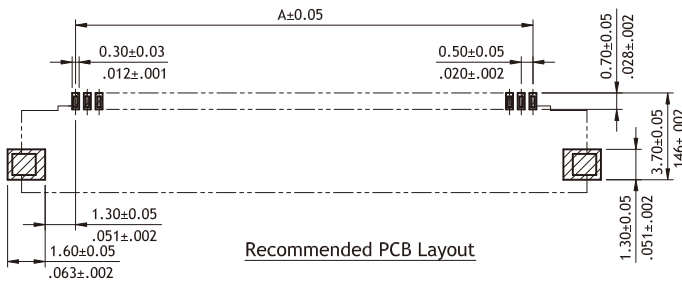
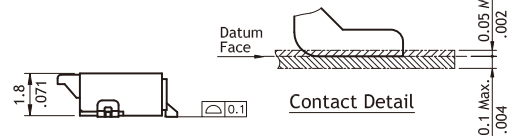
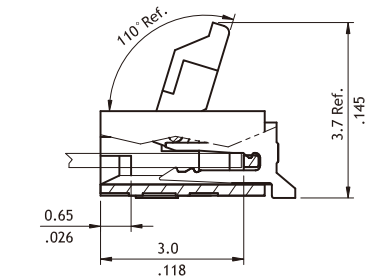
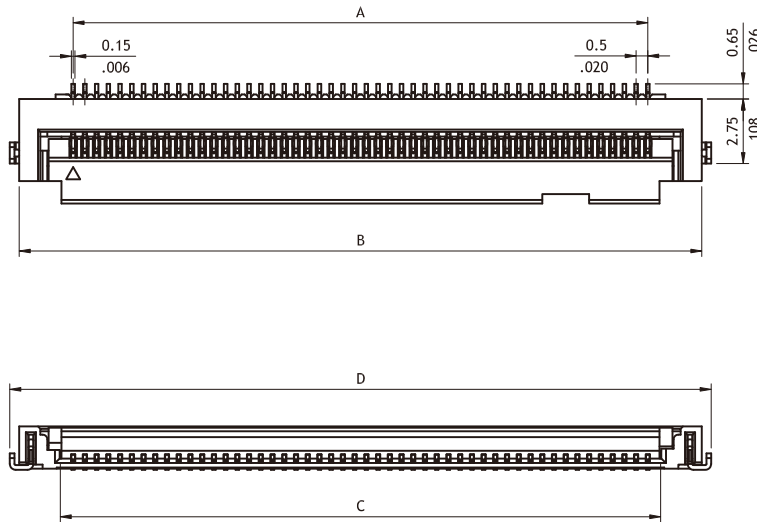
- ⑦ Other Options:
 0 = Standard
 *Special option consult manufacturer
 ⑧ Pitch: 05 = 0.50 mm
 ⑨ Process: -NH = For Lead Free IR process and Halogen-Free

CF56 Series 0.50mm(.020")H=1.80 SMT ZIF One-Touch FFC/FPC Connectors

- ① 1.80mm above the board
- ② FFC/FPC zero insertion force and high retention force
- ③ Insulation: High temperature plastic UL 94V-0, Color Nature
- ④ Cover: High temperature plastic UL 94V-0, Color Black
- ⑤ Designed easy for FFC/FPC installation and reliable operation
- ⑥ With metal fixed tabs to secure connector in place

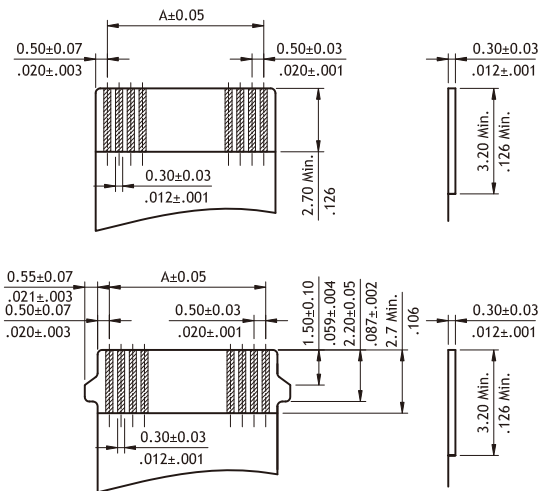


RoHS Compliant  



Recommended PCB Layout

A = 0.5 * No. of Spaces
B = A + 4.6
C = A + 1.15
D = A + 5.4



Recommended FPC/FFC Dimension

Ordering Code

① CF ② 56 ③ 80 ④ F ⑤ D ⑥ 0 ⑦ R ⑧ 0 - NH

- ① Series No.
② No. of Circuits: 56,60,80
Circuits not found above please consult manufacturer

- ③ Plating Code:
F = Gold flash over Nickel
④ Contact Style:
D = Downside Contact
⑤ Color: 0 = Nature

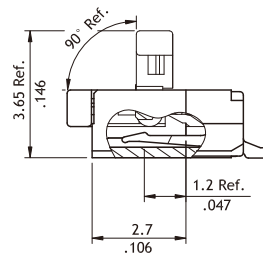
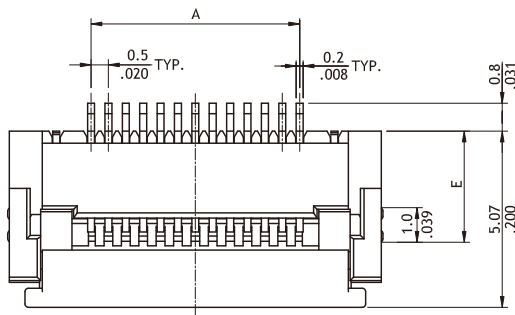
- ⑥ Packing:
R = Tape & Reel
⑦ Other Options:
0 = Standard
⑧ Process: -NH = For Lead Free
IR process and
Halogen-Free

CF31 Series 0.50mm(.020")H=1.95 SMT ZIF One-Touch FFC/FPC Connectors

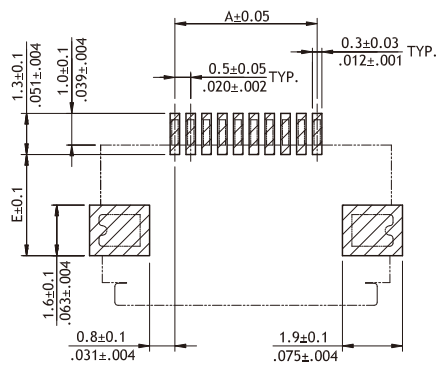
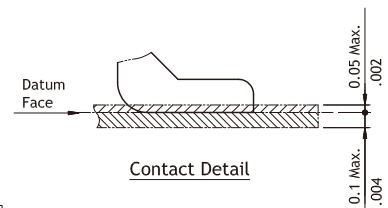
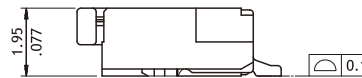
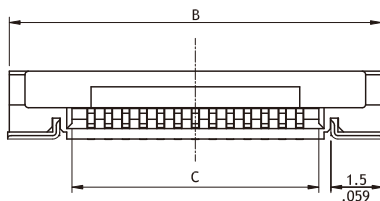
- ① 1.95mm above the board
- ② FFC/FPC zero insertion force and high retention force
- ③ Insulation: High temperature plastic UL 94V-0, Color Nature
- ④ Cover: High temperature plastic UL 94V-0, Color Black
- ⑤ Actuator designed easy for FFC/FPC installation and reliable operation
- ⑥ With metal fixed tabs to secure connector in place



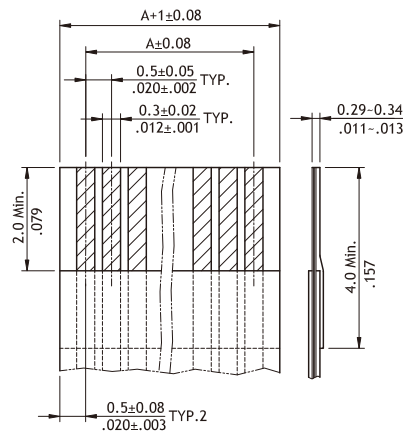
RoHS Compliant  



A = 0.5 x No. of Spaces
B = A + 4.7
C = A + 1.1



Recommended PCB Layout



Accommodated FFC/FPC

Ordering Code

①	②	③	④	⑤	⑥	⑦		⑧		⑨
CF 3 1	6 1	1	D	0	R	0	-	0 5	-	NH

- ① Series No.
② No. of Circuits: 04 to 61
Circuits not found above please consult manufacturer
③ Plating Code:
1 = Matte Tin over Nickel
2 = Gold flash over Nickel

- ④ Contact Style:
D = Downside Contact
⑤ Color: 0 = Nature
⑥ Packing:
R = Tape & Reel

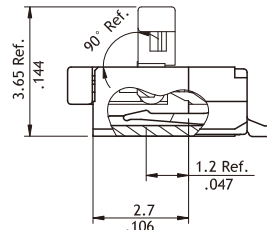
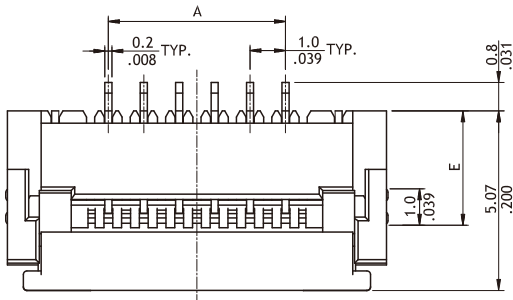
- ⑦ Other Options:
0 = Without Mylar, E=3.20mm
2 = Without Mylar, E=2.85mm
⑧ Pitch: 05 = 0.50 mm
⑨ Process: -NH = For Lead Free
IR process and
Halogen-Free

CF31 Series 1.00mm(.039")H=1.95 SMT ZIF One-Touch FFC/FPC Connectors

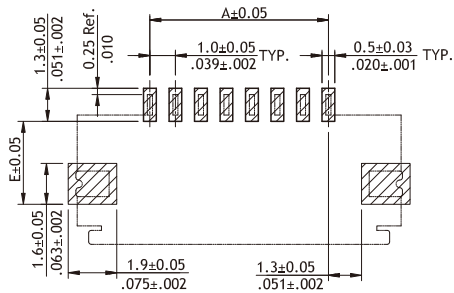
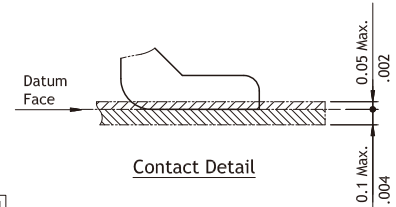
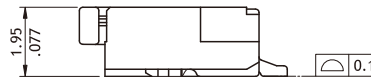
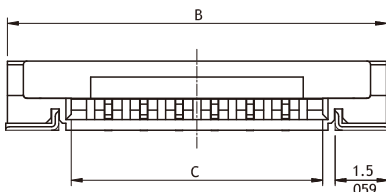
- ① 1.95mm above the board
- ② FFC/FPC zero insertion force and high retention force
- ③ Insulator: High temperature plastic UL 94V-0, Color Nature
- ④ Cover: High temperature plastic UL 94V-0, Color Black
- ⑤ Designed easy for FFC/FPC installation and reliable operation
- ⑥ With metal fixed tabs to secure connector in place



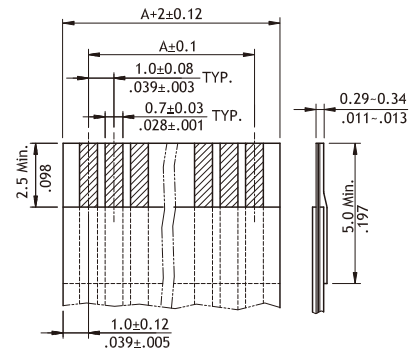
RoHS Compliant  



A = 1.0 x No. of Spaces
B = A + 5.7
C = A + 2.1



Recommended PCB Layout



Accommodated FFC/FPC

Ordering Code

①	②	③	④	⑤	⑥	⑦		⑧		⑨
CF 3 1	3 0	1	D	0	R	0	-	1 0	-	NH

- ① Series No.
② No. of Circuits: 04 to 30
Circuits not found above please consult manufacturer
③ Plating Code:
1 = Matte Tin over Nickel
2 = Gold flash over Nickel

- ④ Contact Style:
D = Downside Contact
⑤ Color: 0 = Nature
⑥ Packing:
R = Tape & Reel

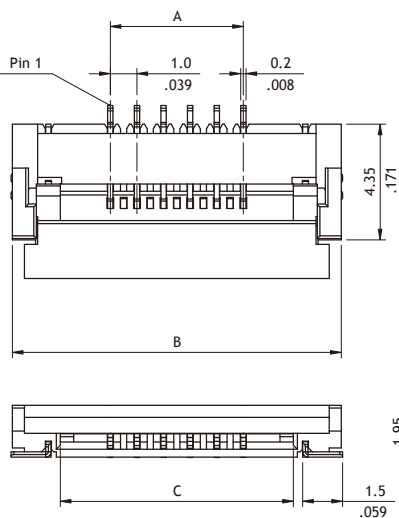
- ⑦ Other Options:
0 = Without Mylar, E=3.20mm
2 = Without Mylar, E=2.85mm
⑧ Pitch: 10 = 1.00 mm
⑨ Process: -NH = For Lead Free
IR process and
Halogen-Free

CF31 Series 1.00mm(.039")H=1.95 SMT ZIF One-Touch FFC/FPC Connectors

- ① 1.95mm above the board
- ② FFC/FPC zero insertion force and high retention force
- ③ Insulator: High temperature plastic UL 94V-0, Color Nature
- ④ Cover: High temperature plastic UL 94V-0, Color Black
- ⑤ Designed easy for FFC/FPC installation and reliable operation
- ⑥ With metal fixed tabs to secure connector in place

NEW

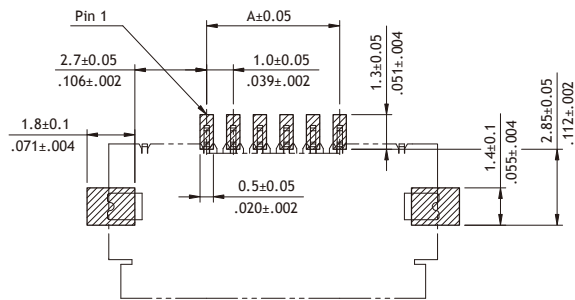
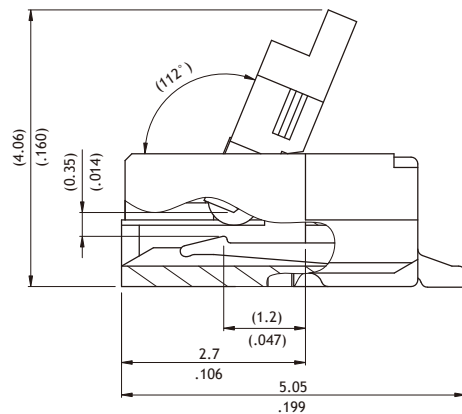
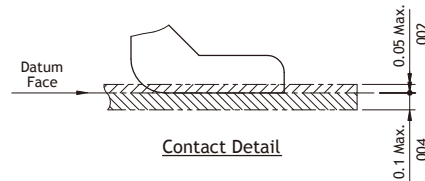
RoHS Compliant



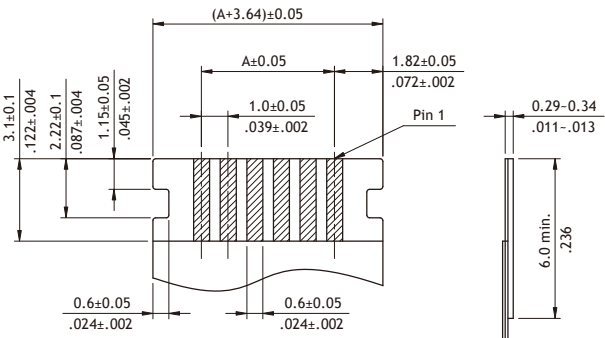
$$A = 1.0 * \text{No. of Spaces}$$

$$B = A + 7.4$$

$$C = A + 3.76$$



Recommended PCB Layout



Accommodated FFC/FPC

Ordering Code

①	②	③	④	⑤	⑥	⑦		⑧		⑨
CF 3 1	04	1	D	0	R	J	-	10	-	NH

- ① Series No.
 ② No. of Circuits: 04 to 31
 (Available: 4, 6)
 Circuits not found above please consult manufacturer
 ③ Plating Code:
 1 = Matte Tin over Nickel
 2 = Gold flash over Nickel

- ④ Contact Style:
 D = Downside Contact
 ⑤ Color: 0 = Nature
 ⑥ Packing:
 R = Tape & Reel

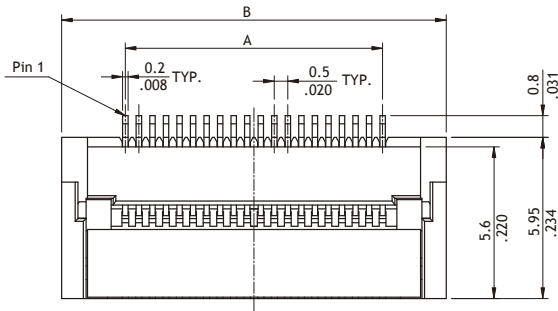
- ⑦ Other Options:
 J = With Inner Lock
 ⑧ Pitch: 10 = 1.00 mm
 ⑨ Process: -NH = For Lead Free
 IR process and Halogen-Free

CF34 Series 0.50mm(.020")H=1.95 SMT ZIF One-Touch FFC/FPC Connectors

- ① 1.95mm above the board
- ② FFC/FPC zero insertion force and high holding force
- ③ Insulation: High temperature plastic UL 94V-0, Color Nature
- ④ Cover: High temperature plastic UL 94V-0, Color Black
- ⑤ Actuator designed easy for FFC/FPC installation and reliable operation
- ⑥ With metal fixed tabs to secure connector in place



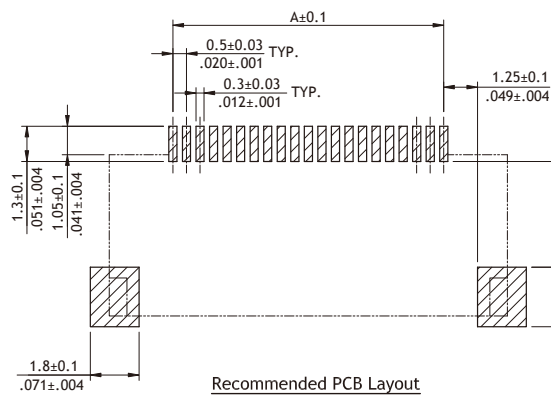
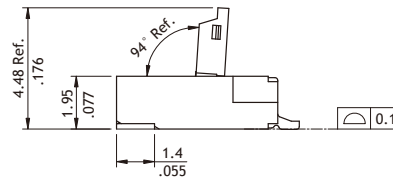
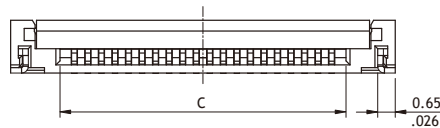
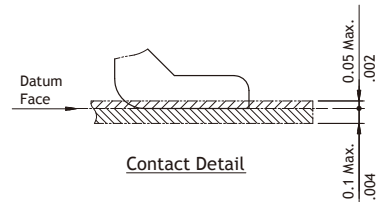
RoHS Compliant  



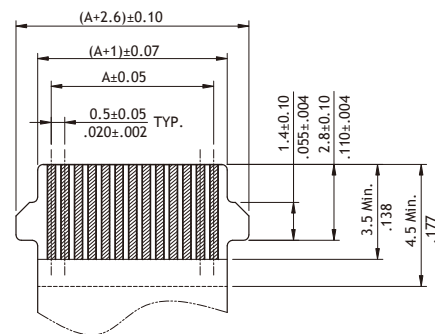
$$A = 0.5 \times \text{No. of Spaces}$$

$$B = A + 4.7$$

$$C = A + 1.06$$



Recommended PCB Layout



Accommodated FFC/FPC

Ordering Code

①	②	③	④	⑤	⑥	⑦		⑧		⑨
CF 3 4	6 1	1	D	0	R	0	-	0 5	-	NH

- ① Series No.
 ② No. of Circuits: 04 to 61
 (Available: 6,9,18,20,28,40,50, 54,57,61)
 Circuits not found above please consult manufacturer
 ③ Plating Code:
 1 = Matte Tin over Nickel
 2 = Gold flash over Nickel

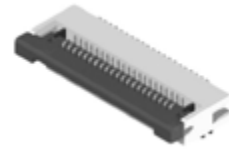
- ④ Contact Style:
 D = Downside Contact
 ⑤ Color: 0 = Nature
 ⑥ Packing:
 R = Tape & Reel

- ⑦ Other Options:
 0 = Without Mylar (Standard)
 *Special options consult manufacturer
 ⑧ Pitch: 05 = 0.50 mm
 ⑨ Process: -NH = For Lead Free IR process and Halogen-Free

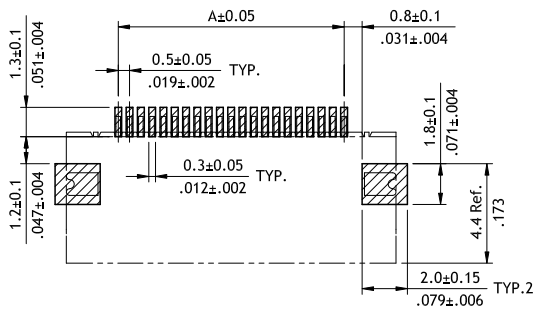
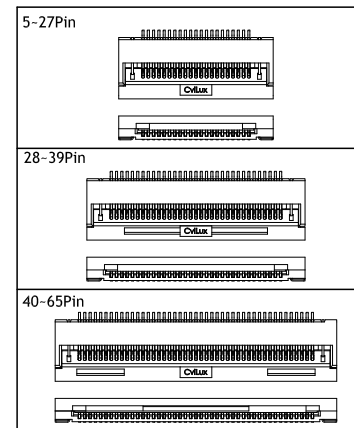
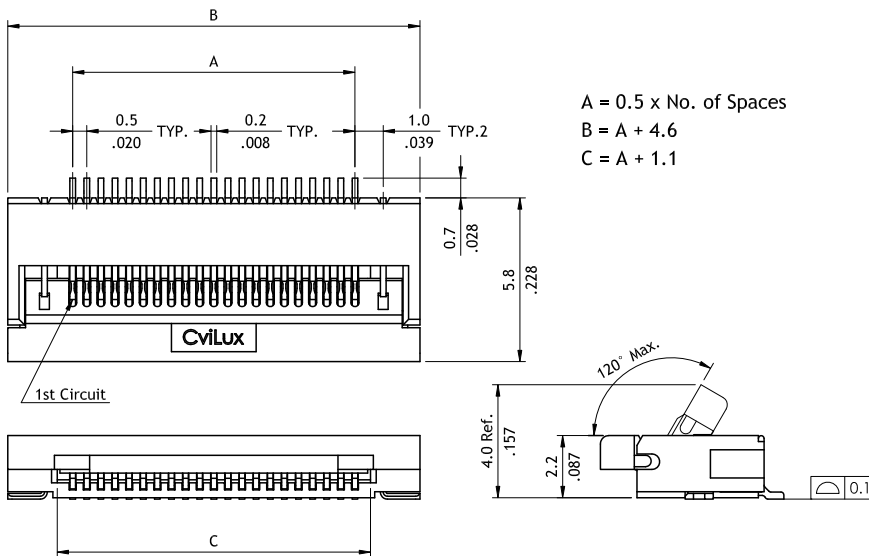
CF25 Series 0.50mm(.020")H=2.20 SMT ZIF One-Touch FFC/FPC Connectors

CF

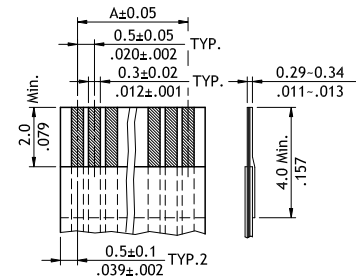
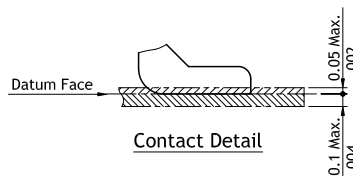
- ⊙ 2.2mm above the board
- ⊙ FFC/FPC zero insertion force and high retention force
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ Cover: High temperature plastic UL 94V-0, Color Black
- ⊙ Designed easy for FFC/FPC installation and reliable operation
- ⊙ With metal fixed tabs to secure connector in place



RoHS Compliant



Recommended PCB Layout



Accommodated FFC/FPC

Ordering Code

①	②	③	④	⑤	⑥	⑦	⑧	⑨
CF	25	65	1	D	0	R	0	05
								NH

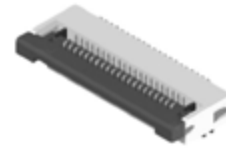
- ① Series No.
 ② No. of Circuits: 05 to 65
 Circuits not found above please consult manufacturer
 ③ Plating Code:
 1 = Matte Tin over Nickel
 F = Selective Gold flash over Nickel

- ④ Contact Style:
 D = Downside Contact
 ⑤ Color: 0 = Nature
 ⑥ Packing:
 R = Tape & Reel
 T = Tube

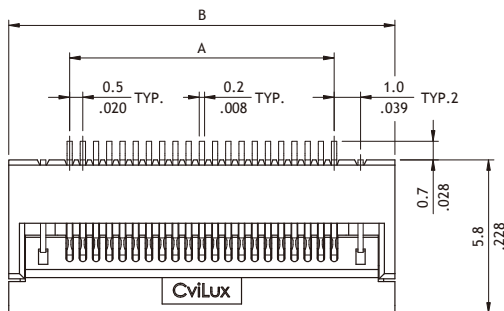
- ⑦ Other Options:
 0 = Standard
 *Special option consult manufacturer
 ⑧ Pitch: 05 = 0.50 mm
 ⑨ Process: -NH = For Lead Free IR process and Halogen-Free

CF25 Series 0.50mm(.020")H=2.20 SMT ZIF One-Touch FFC/FPC Connectors

- ⊙ 2.2mm above the board
- ⊙ FFC/FPC zero insertion force and high retention force
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ Cover: High temperature plastic UL 94V-0, Color Black
- ⊙ Designed easy for FFC/FPC installation and reliable operation
- ⊙ With metal fixed tabs to secure connector in place



RoHS Compliant  



A = 0.5 x No. of Spaces

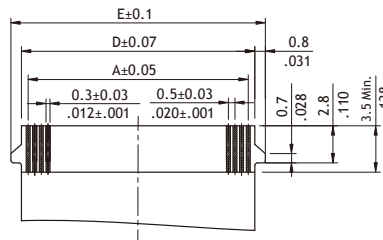
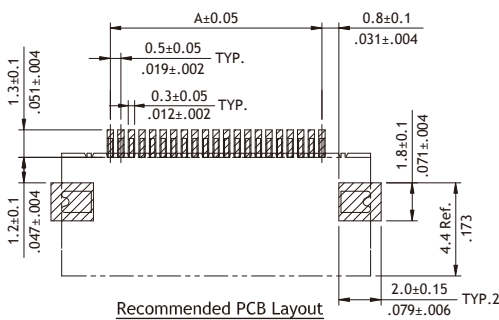
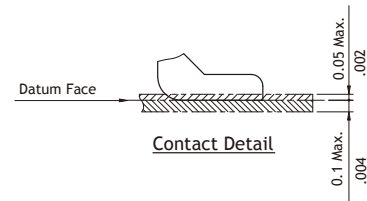
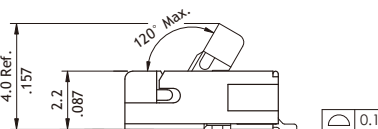
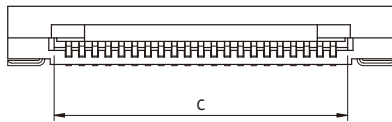
B = A + 4.6

C = A + 1.1

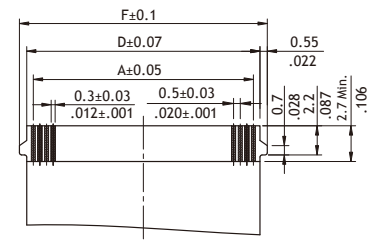
D = A + 1.0

E = A + 2.6

F = A + 2.1



Accommodated FFC/FPC (TYPE1)



Accommodated FFC/FPC (TYPE2)

Ordering Code

①	②	③	④	⑤	⑥	⑦		⑧		⑨
CF 2 5	6 5	1	D	0	T	E	-	0 5	-	NH

- ① Series No.
 ② No. of Circuits: 05 to 65
 Circuits not found above please consult manufacturer
 ③ Plating Code:
 1 = Matte Tin over Nickel
 F = Selective Gold flash over Nickel

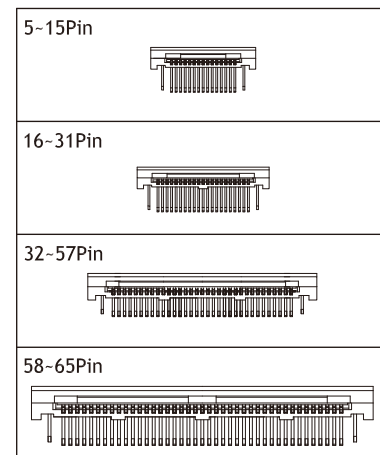
- ④ Contact Style:
 D = Downside Contact
 ⑤ Color: 0 = Nature
 ⑥ Packing:
 R = Tape & Reel
 T = Tube

- ⑦ Other Options:
 D: Accommodated FFC/FPC (Type 1)
 E: Accommodated FFC/FPC (Type 2)
 ⑧ Pitch: 05 = 0.50 mm
 ⑨ Process: -NH = For Lead Free IR process and Halogen-Free

CF

-

[illegible]

NH

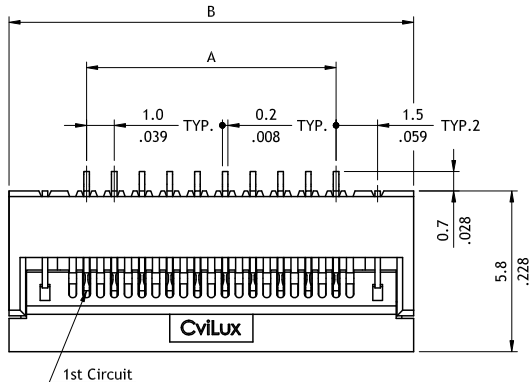
- ⑦ Other Options:
T = Triple Rows
- ⑧ Pitch: 05 = 0.50 mm
- ⑨ Process: -NH = For Lead Free
IR process and
Halogen-Free

CF25 Series 1.00mm(.039")H=2.20 SMT ZIF One-Touch FFC/FPC Connectors

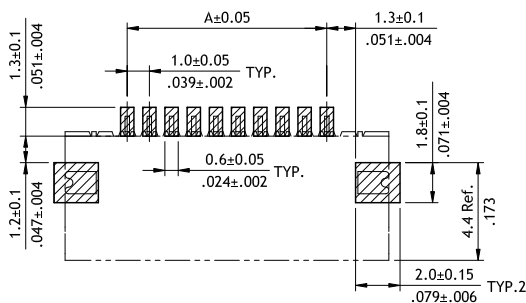
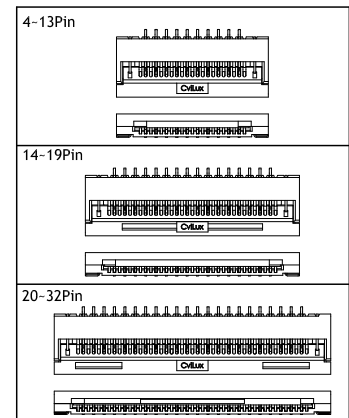
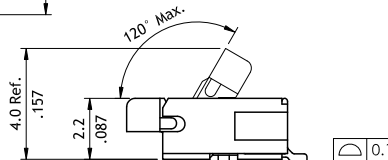
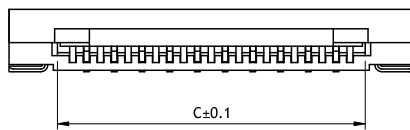
- ⊙ 2.2mm above the board
- ⊙ FFC/FPC zero insertion force and high retention force
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ Cover: High temperature plastic UL 94V-0, Color Black
- ⊙ Actuator designed easy for FFC/FPC installation and reliable operation
- ⊙ With metal fixed tabs to secure connector in place



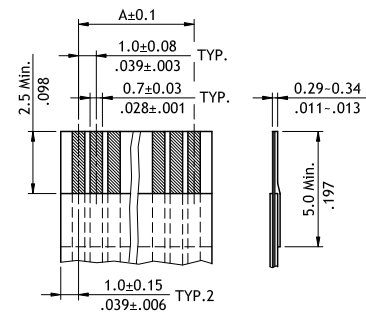
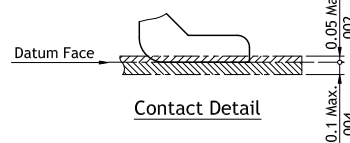
RoHS Compliant



A = 1.0 x No. of Spaces
B = A + 5.6
C = A + 2.1



Recommended PCB Layout



Accommodated FFC/FPC

Ordering Code

①	②	③	④	⑤	⑥	⑦	⑧	⑨
CF	25	32	1	D	0	R	0	- 10 - NH

- ① Series No.
② No. of Circuits: 04 to 32
Circuits not found above please consult manufacturer
③ Plating Code:
1 = Matte Tin over Nickel
F = Selective Gold flash over Nickel

- ④ Contact Style:
D = Downside Contact
⑤ Color: 0 = Nature
⑥ Packing:
R = Tape & Reel
T = Tube

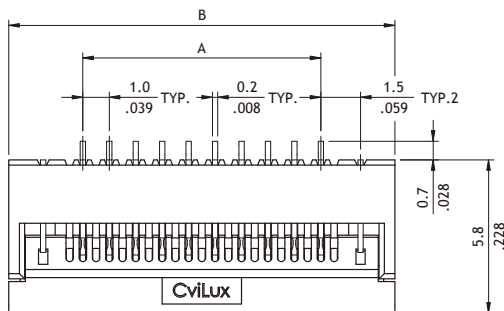
- ⑦ Other Options:
0 = Standard
*Special option consult manufacturer
⑧ Pitch: 10 = 1.00 mm
⑨ Process: -NH = For Lead Free IR process and Halogen-Free

CF25 Series 1.00mm(.039")H=2.20 SMT ZIF One-Touch FFC/FPC Connectors

- ⊙ 2.2mm above the board
- ⊙ FFC/FPC zero insertion force and high retention force
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ Cover: High temperature plastic UL 94V-0, Color Black
- ⊙ Actuator designed easy for FFC/FPC installation and reliable operation
- ⊙ With metal fixed tabs to secure connector in place



RoHS Compliant



A = 1.0 x No. of Spaces

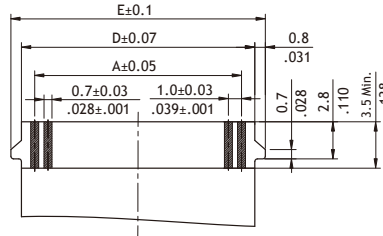
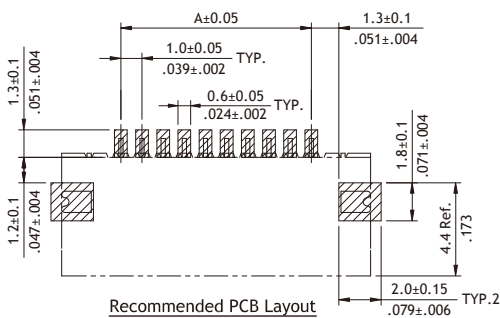
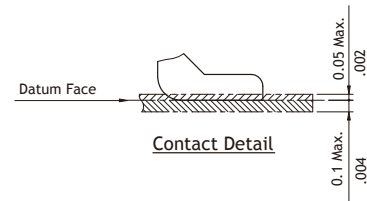
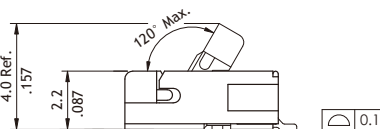
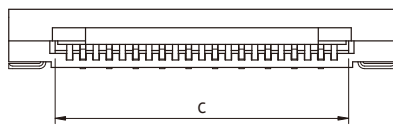
B = A + 5.6

C = A + 2.1

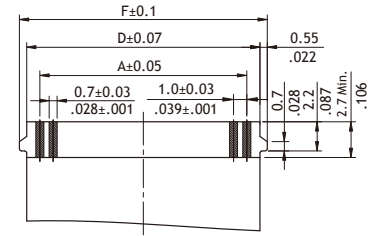
D = A + 2.0

E = A + 3.6

F = A + 3.1



Accommodated FFC/FPC (TYPE1)



Accommodated FFC/FPC (TYPE2)

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨
CF 2 5 3 2 1 D 0 T E - 1 0 - NH

- ① Series No.
 ② No. of Circuits: 04 to 32
 Circuits not found above please consult manufacturer
 ③ Plating Code:
 1 = Matte Tin over Nickel
 F = Selective Gold flash over Nickel

- ④ Contact Style:
 D = Downside Contact
 ⑤ Color: 0 = Nature
 ⑥ Packing:
 R = Tape & Reel
 T = Tube

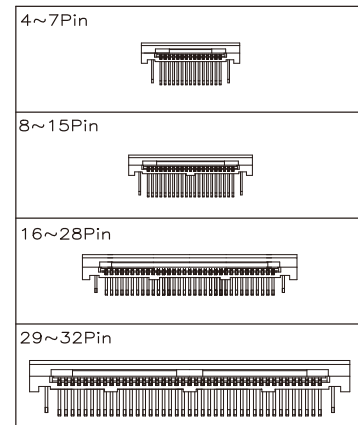
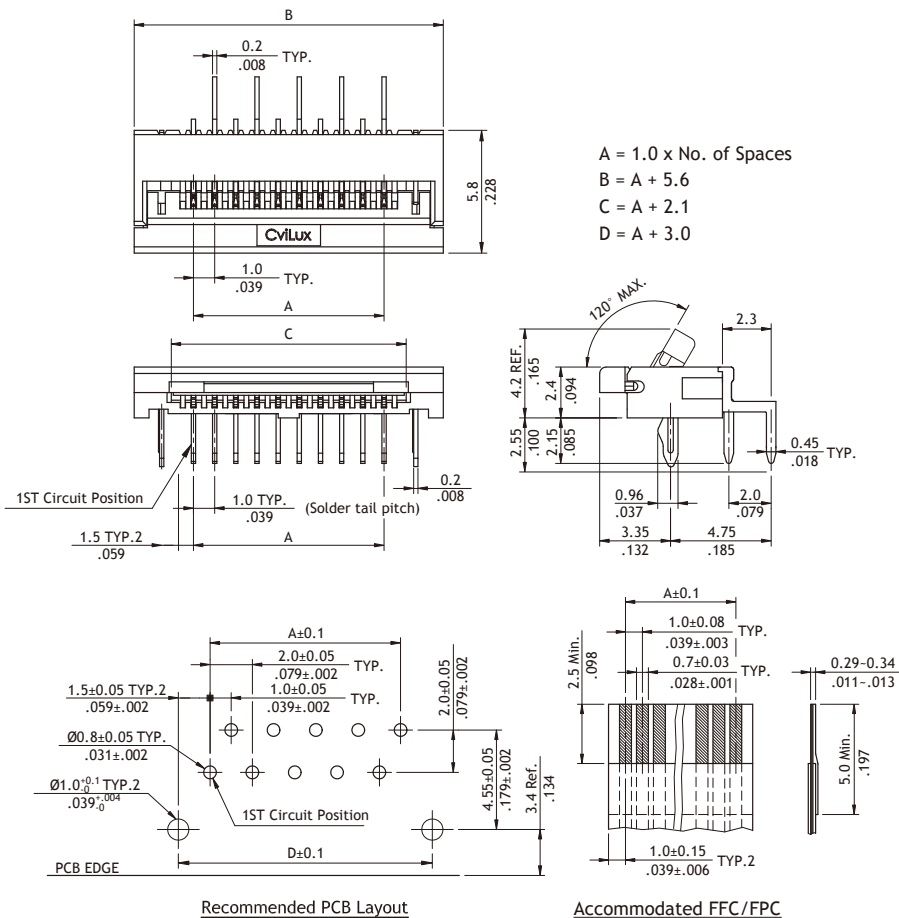
- ⑦ Other Options:
 D: Accommodated FFC/FPC (Type 1)
 E: Accommodated FFC/FPC (Type 2)
 ⑧ Pitch: 10 = 1.00 mm
 ⑨ Process: -NH = For Lead Free IR process and Halogen-Free

CF25 Series 1.00mm(.039")H=2.40 DIP ZIF One-Touch FFC/FPC Connectors

- ⊙ 2.4mm above the board
- ⊙ FFC/FPC zero insertion force and high retention force
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ Cover: High temperature plastic UL 94V-0, Color Black
- ⊙ With metal Pegs



RoHS Compliant



Ordering Code

①	②	③	④	⑤	⑥	⑦	⑧	⑨
CF	25	32	1	H	0	T	0	-
							10	-
								NH

- ① Series No.
- ② No. of Circuits: 04 to 32
Circuits not found above please consult manufacturer
- ③ Plating Code:
1 = Matte Tin over Nickel
2 = Gold flash over Nickel

- ④ Contact Style:
H = Right Angle DIP Type
(Downside Contact)
- ⑤ Color: 0 = Nature
- ⑥ Packing:
T = Tube

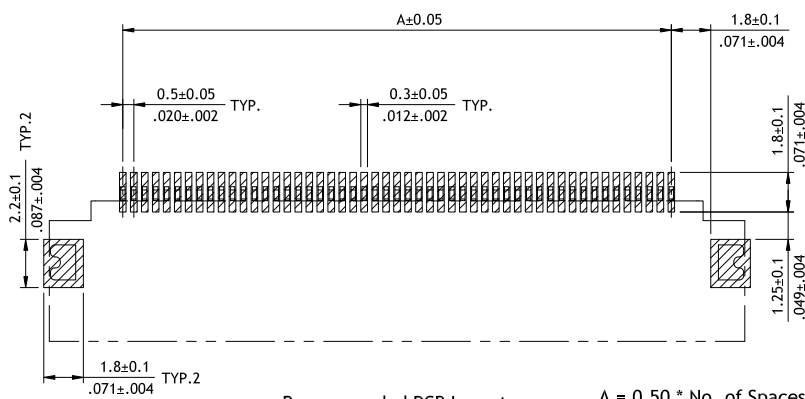
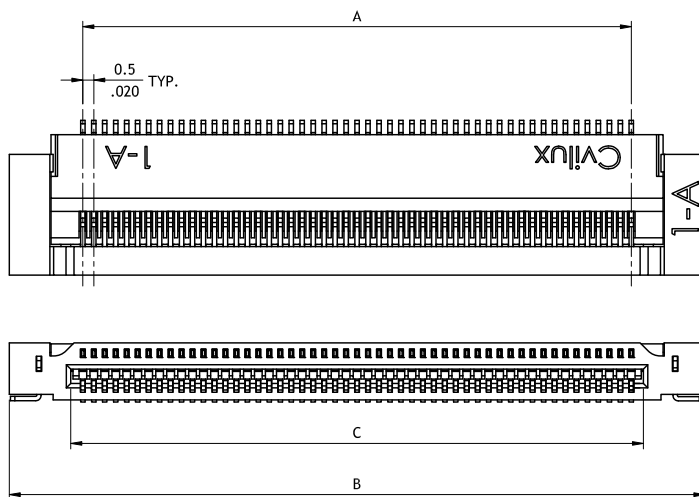
- ⑦ Other Options: 0 = Standard
*Special option consult manufacturer
- ⑧ Pitch: 10 = 1.00 mm
- ⑨ Process: -NH = For Lead Free
IR process and Halogen-Free

CF11 Series 0.50mm(.039")H=2.70 SMT ZIF FFC/FPC Connectors (Back Flip)

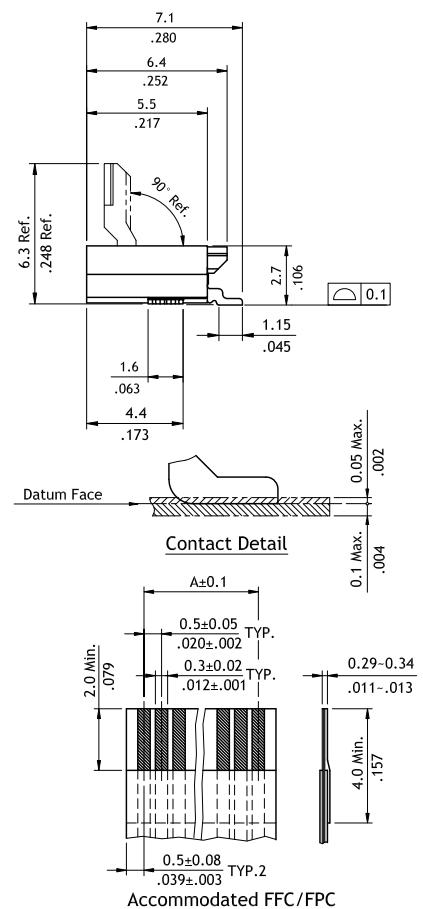
- ⊙ 2.7mm above the board
- ⊙ Copper alloy dual contacts
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Black
- ⊙ Cover: High temperature plastic UL 94V-0, Color Black
- ⊙ With metal fixed tabs to secure connector in place



RoHS Compliant  



A = 0.50 * No. of Spaces
B = A + 6.7
C = A + 1.1

**Ordering Code**

①	②	③	④	⑤	⑥	⑦	⑧	⑨
CF 1 1	5 1	2	D	1	R	A	- 05	- NH

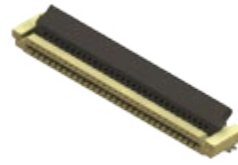
- ① Series No.
② No. of Circuits: 04 to 60
(Available: 5,8,20,26,41,45, 50,51)
Circuits not found above please consult manufacturer

- ③ Plating Code:
2 = Gold flash over Nickel
④ Contact Style:
D = Downside Contact
⑤ Color: 1 = Black
⑥ Packing:
R = Tape & Reel
T = Tube

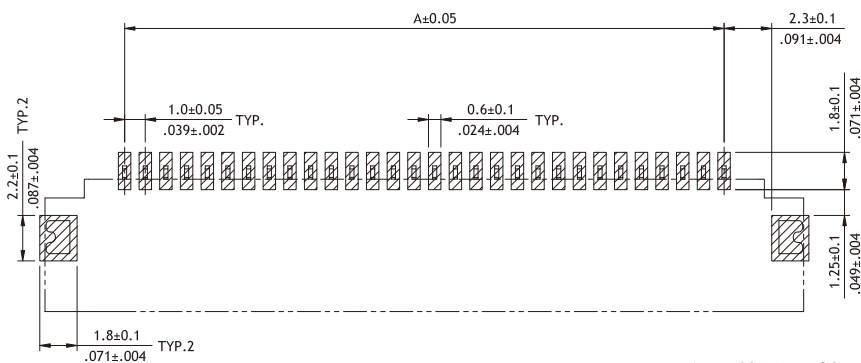
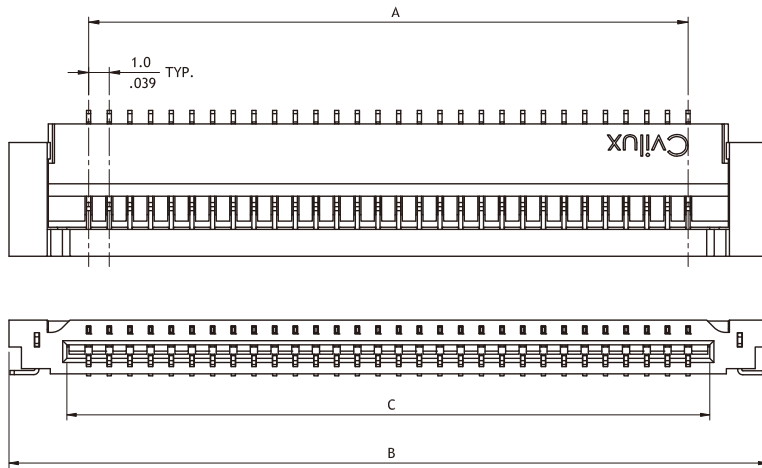
- ⑦ Other Options:
A = Standard
⑧ Pitch: 05 = 0.50 mm
⑨ Process: -NH = For Lead Free
IR process and
Halogen-Free

CF11 Series 1.00mm(.039")H=2.70 SMT ZIF FFC/FPC Connectors (Back Flip)

- ⊙ 2.7mm above the board
- ⊙ Copper alloy dual contacts
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ Cover: High temperature plastic UL 94V-0, Color Black
- ⊙ With metal fixed tabs to secure connector in place



RoHS Compliant  

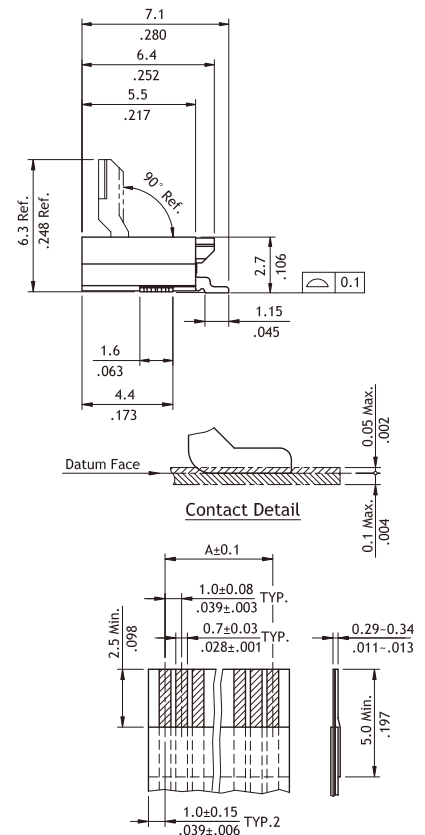


Recommended PCB Layout

$$A = 1.00 * \text{No. of Spaces}$$

$$B = A + 7.7$$

$$C = A + 2.1$$



Accommodated FFC/FPC

Ordering Code

①	②	③	④	⑤	⑥	⑦	⑧	⑨
CF	11	30	2	D	0	R	A	- 10 - NH

- ① Series No.
 ② No. of Circuits: 04 to 30
 (Available: 8,30)
 Circuits not found above please consult manufacturer

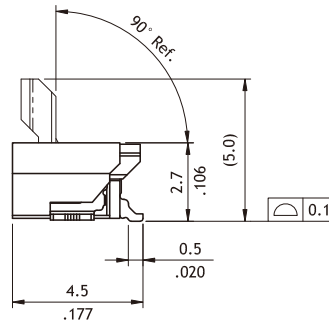
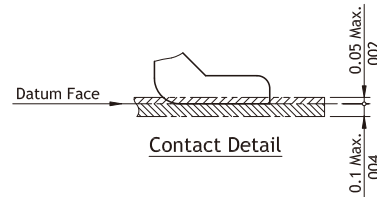
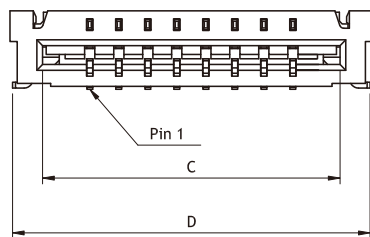
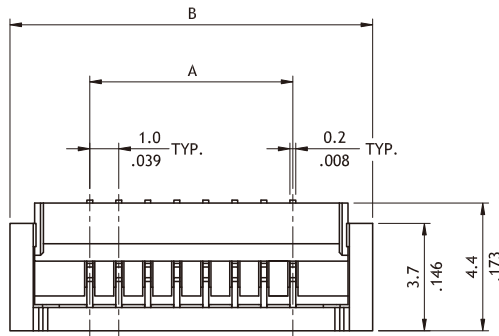
- ③ Plating Code:
 2 = Gold flash over Nickel
 ④ Contact Style:
 D = Downside Contact
 ⑤ Color: 0 = Nature
 ⑥ Packing:
 R = Tape & Reel
 T = Tube

- ⑦ Other Options:
 A = Standard
 ⑧ Pitch: 10 = 1.00 mm
 ⑨ Process: -NH = For Lead Free
 IR process and
 Halogen-Free

CF11 Series 1.00mm(.039")H=2.70 SMT ZIF FFC/FPC Connectors (Back Flip)

CF

- ⊙ 2.7mm above the board
- ⊙ Copper alloy dual contacts
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ Cover: High temperature plastic UL 94V-0, Color Black
- ⊙ With metal fixed tabs to secure connector in place

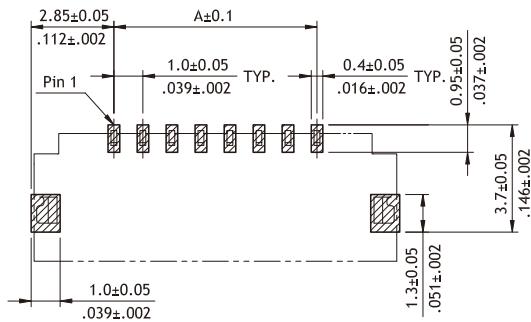
NEWRoHS Compliant  

A = 1.0 * No. of Spaces

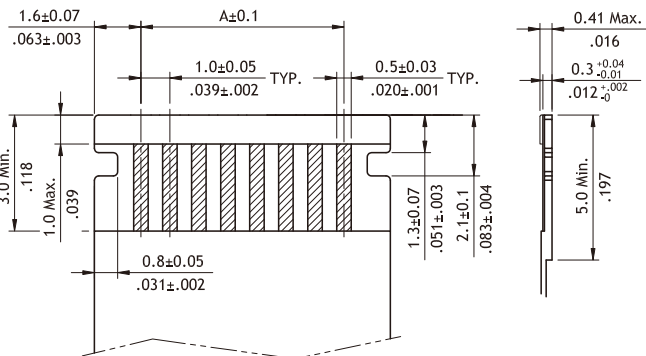
B = A + 5.5

C = A + 3.25

D = A + 5.3



Recommended PCB Layout



Accommodated FFC/FPC

Ordering Code

①	②	③	④	⑤	⑥	⑦	⑧	⑨
CF	11	08	1	D	0	R	C	-
							10	-
								NH

① Series No.

② No. of Circuits: 04 to 20
(Available: 8)*Circuits not found above please
consult manufacturer*

③ Plating Code:

1 = Matte Tin over Nickel

④ Contact Style:

D = Downside Contact

⑤ Color: 0 = Nature

⑥ Packing:

R = Tape & Reel

T = Tube

⑦ Other Options:

C = Type C

*Special option consult
manufacturer

⑧ Pitch: 10 = 1.00 mm

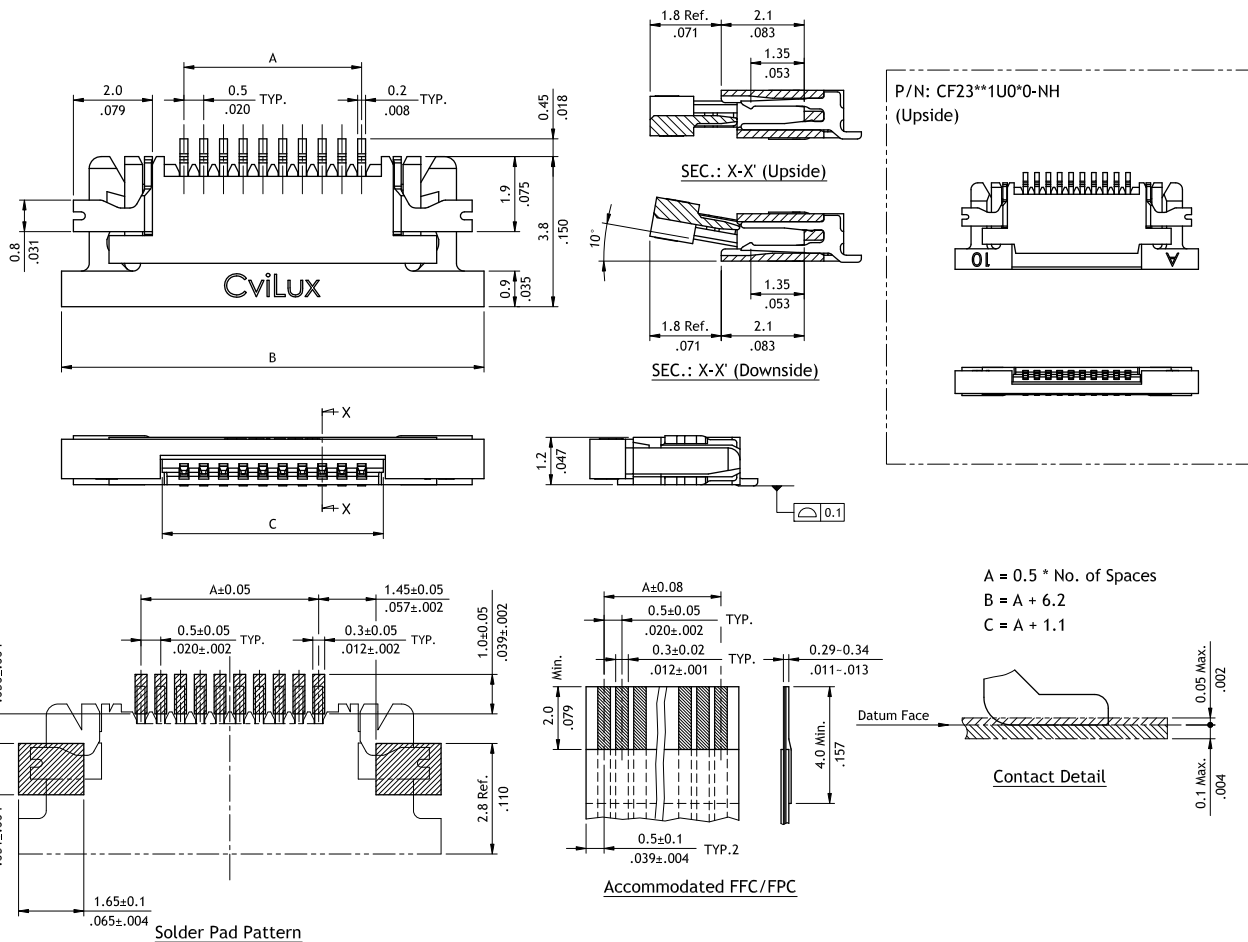
⑨ Process: -NH = For Lead Free
IR process and
Halogen-Free

CF23 Series 0.50mm(.020") H=1.20 SMT ZIF FFC/FPC Connectors

- ⊙ 1.2mm above the board
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ Slider: High temperature plastic UL 94V-0, Color Black
- ⊙ Fully checked by CCD and Hi-Pot test
- ⊙ With metal fixed tabs to secure connector in place



RoHS Compliant



Ordering Code

① CF 23 ② 40 ③ 1 ④ U ⑤ 0 ⑥ R ⑦ 0 - ⑧ NH

- ① Series No.
② No. of Circuits: 04 to 40
(Available: 4~40)
Circuits not found above please consult manufacturer

- ③ Plating Code:
1 = Matte Tin over Nickel
④ Contact Style:
U = Upside Contact
D = Downside Contact
⑤ Color: 0 = Nature
⑥ Packing:
R = Tape & Reel
T = Tube

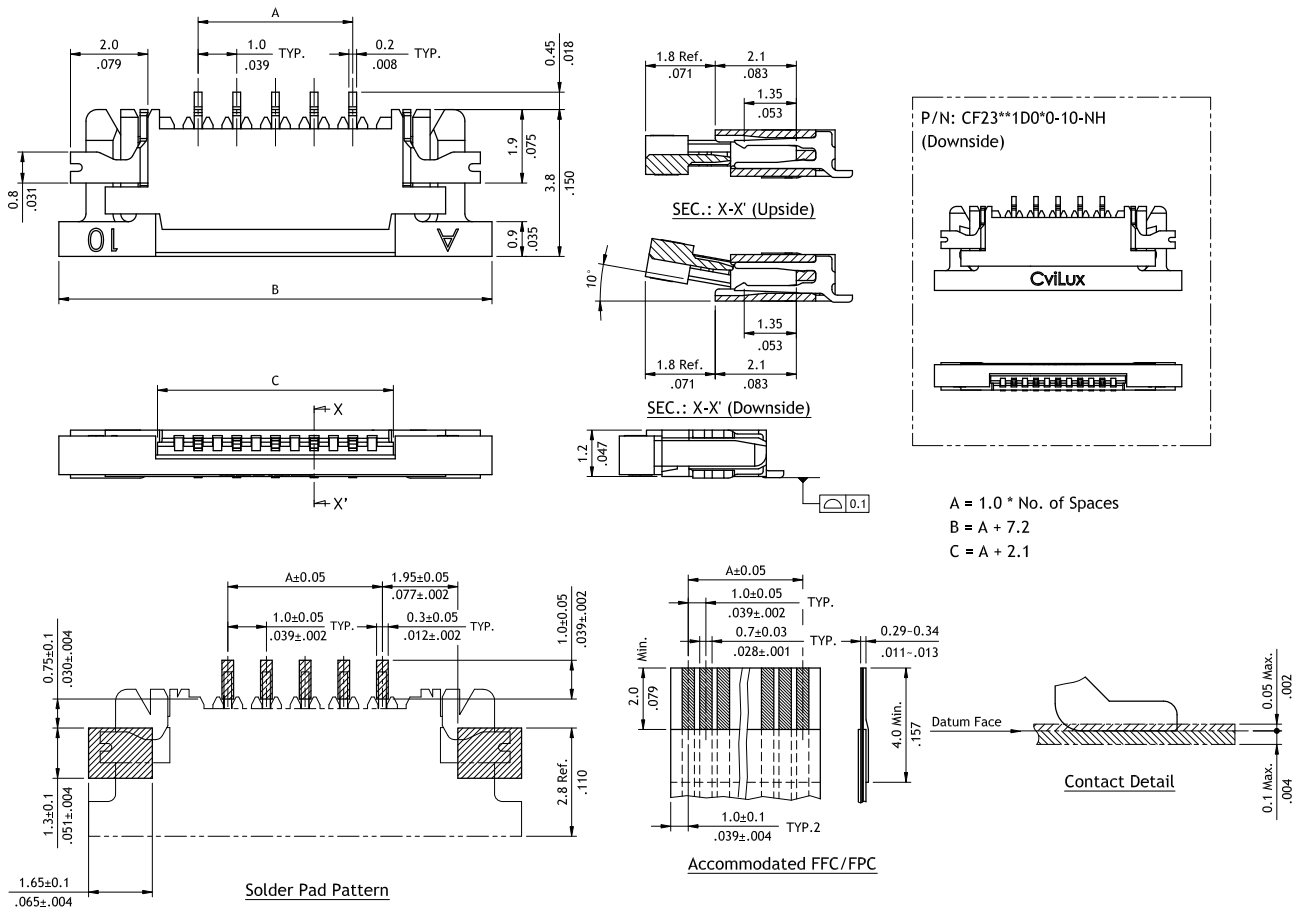
- ⑦ Other Options:
0 = Standard
* Special options consult manufacturer
⑧ Process: -NH = For Lead Free
IR process and
Halogen-Free

CF23 Series 1.00mm(.039") H=1.20 SMT ZIF FFC/FPC Connectors

- ① 1.2mm above the board
- ② Insulator: High temperature plastic UL 94V-0, Color Nature
- ③ Slider: High temperature plastic UL 94V-0, Color Black
- ④ Fully checked by CCD and Hi-Pot test
- ⑤ With metal fixed tabs to secure connector in place



RoHS Compliant



Ordering Code

①	②	③	④	⑤	⑥	⑦	⑧	⑨
CF 23	19	1	U	0	R	0	- 10	- NH

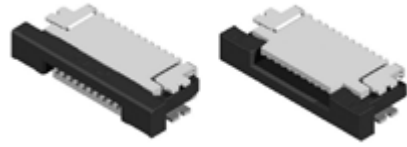
- ① Series No.
② No. of Circuits: 03 to 19
Circuits not found above please consult manufacturer

- ③ Plating Code:
1 = Matte Tin over Nickel
④ Contact Style:
U = Upside Contact
D = Downside Contact
⑤ Color: 0 = Nature
⑥ Packing:
R = Tape & Reel
T = Tube

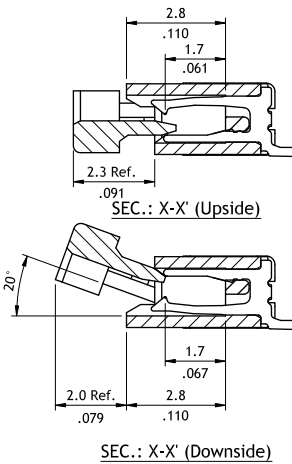
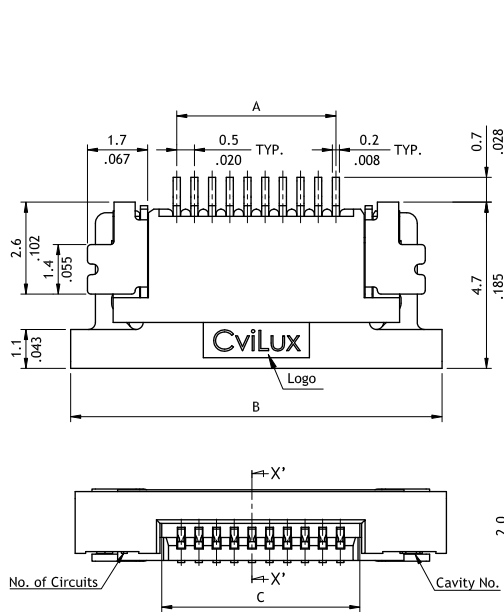
- ⑦ Other Options:
0 = Standard
*Special option consult manufacturer
⑧ Pitch: 10 = 1.00 mm
⑨ Process: -NH = For Lead Free IR process and Halogen-Free

CF20 Series 0.50mm(.020") H=2.00 SMT ZIF FFC/FPC Connectors

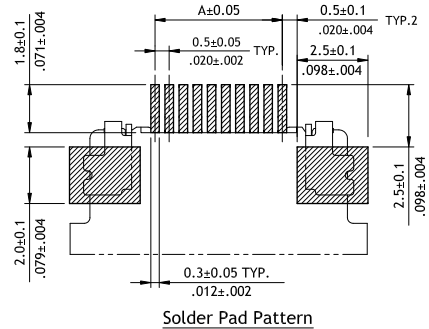
- 2.00 mm above the board
- Insulator: High temperature plastic UL 94V-0, Color Nature
- Slider: High temperature plastic UL 94V-0, Color Black
- With metal fixed tabs to secure connector in place



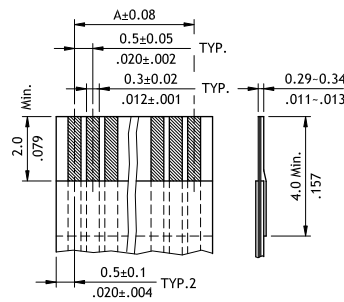
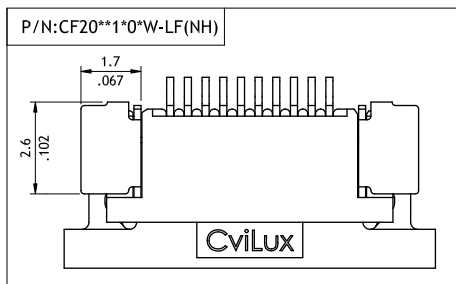
RoHS Compliant



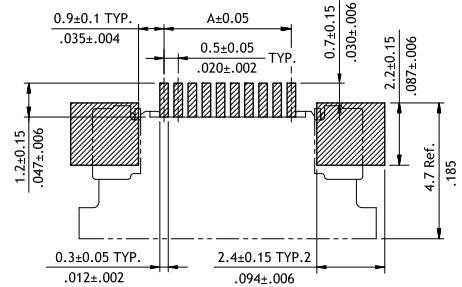
A = 0.5 * No. of Spaces
B = A + 6.0
C = A + 1.1



Solder Pad Pattern



Accommodated FFC/FPC



Solder Pad Pattern

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
CF20 55 1 D 0 R 0 - NH

- ① Series No.
② No. of Circuits: 04 to 55
③ Plating Code:
1 = Matte Tin over Nickel
2 = Gold flash over Nickel

- ④ Contact Style:
U = Upside Contact
D = Downside Contact
⑤ Color: 0 = Nature
⑥ Packing:
R = Tape & Reel
T = Tube

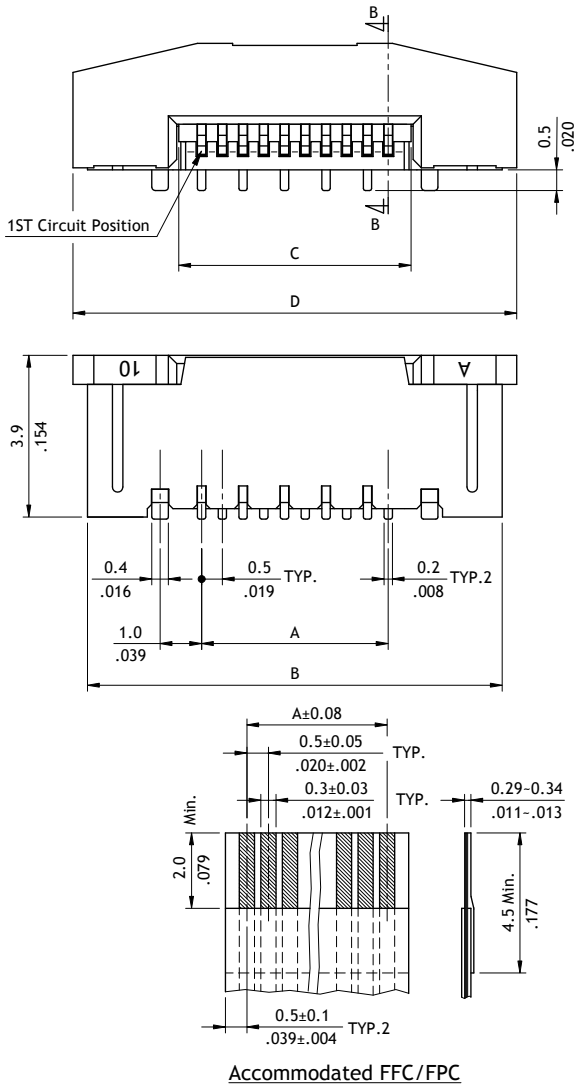
- ⑦ Other Options:
0 = Standard
W = Wide tabs
* Special options consult manufacturer
⑧ Process: -LF = For Lead Free IR process
-NH = For Lead Free IR process and Halogen-Free

CF20 Series 0.50mm(.020") H=3.90 SMT ZIF Vertical FFC/FPC Connectors

- ③ 3.9mm above the board
- ③ Insulator: High temperature plastic UL 94V-0, Color Nature
- ③ Slider: High temperature plastic UL 94V-0, Color Black
- ③ With metal fixed tabs to secure connector in place



RoHS Compliant

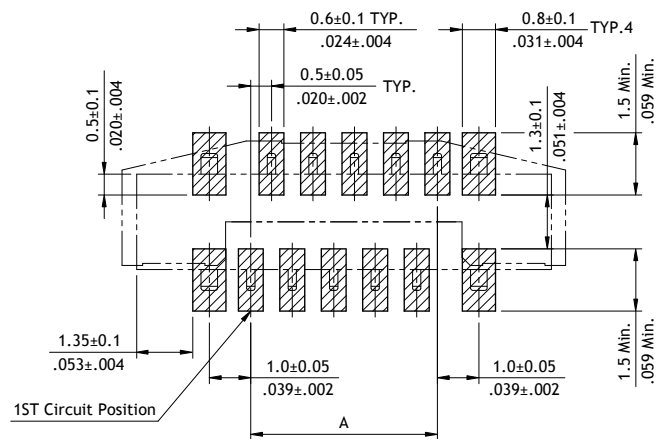
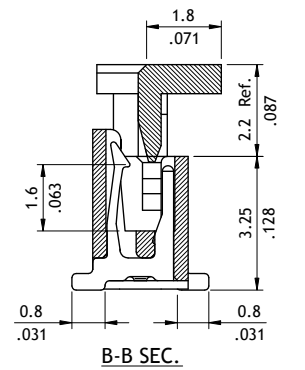
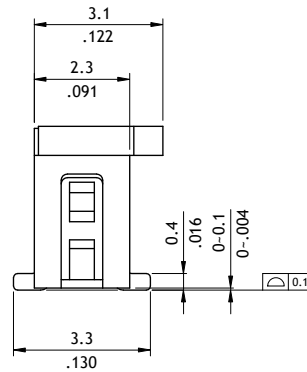


A = 0.5 x No. of Spaces

B = A + 5.5

C = A + 1.2

D = A + 6.8

**Ordering Code**

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

CF 20 55 1 V 0 R 0 - NH

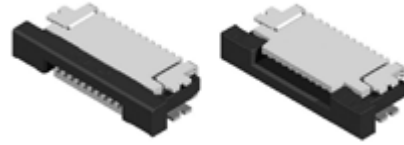
- ① Series No.
- ② No. of Circuits: 04 to 55
- ③ Plating Code:
1 = Matte Tin over Nickel
2 = Gold flash over Nickel

- ④ Contact Style:
V = Vertical Type
- ⑤ Color: 0 = Nature
- ⑥ Packing:
R = Tape & Reel
T = Tube

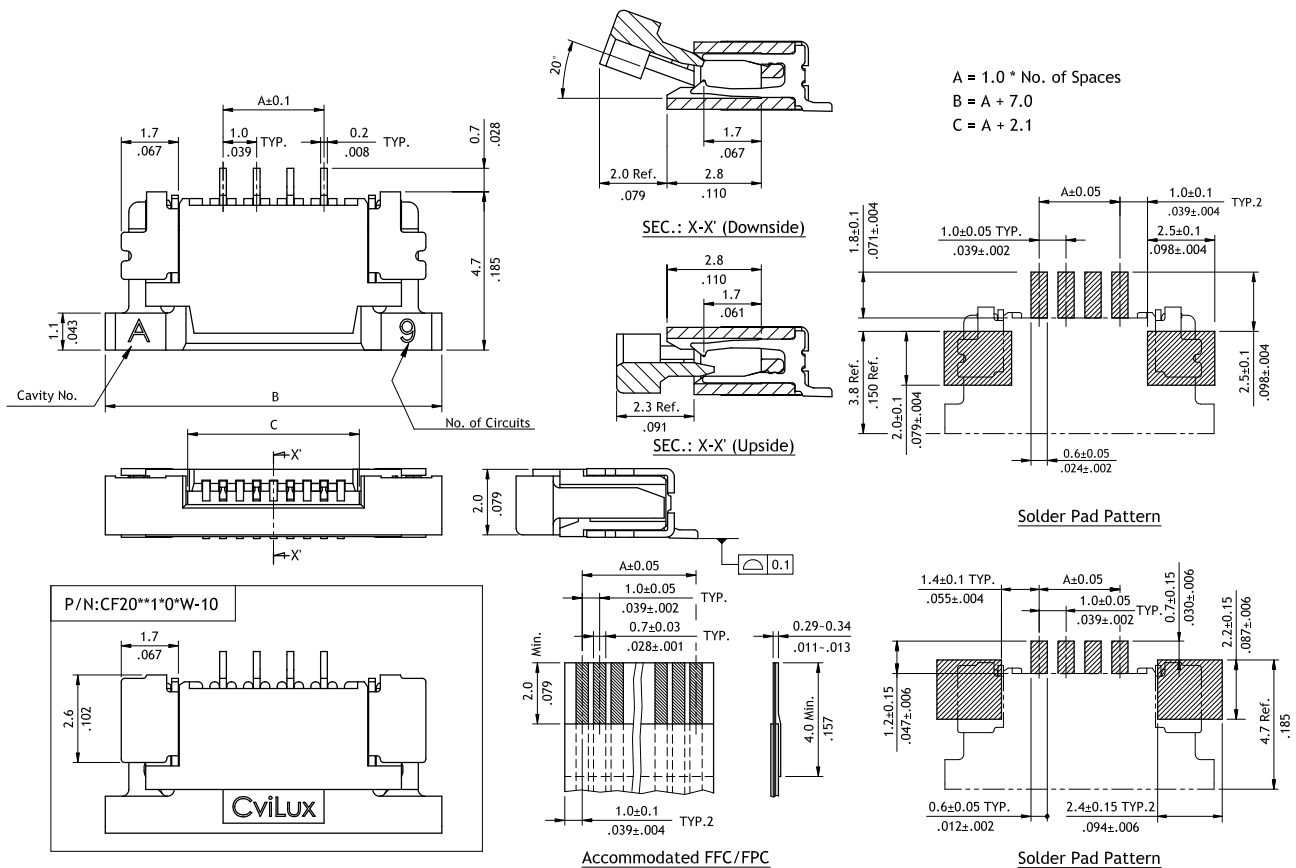
- ⑦ Other Options:
0 = Standard
* Special options consult manufacturer
- ⑧ Process: -LF = For Lead Free IR process
-NH = For Lead Free IR process and Halogen-Free

CF20 Series 1.00mm(.039") H=2.00 SMT ZIF FFC/FPC Connectors

- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ Slider: High temperature plastic UL 94V-0, Color Black
- ⊙ With metal fixed tabs to secure connector in place



RoHS Compliant



Ordering Code

①	②	③	④	⑤	⑥	⑦	⑧	⑨
CF20	27	1	U	0	R	0	-10	-NH

- ① Series No.
- ② No. of Circuits: 04 to 27
- ③ Plating Code:
1 = Matte Tin over Nickel
2 = Gold flash over Nickel

- ④ Contact Style:
U = Upside Contact
D = Downside Contact
- ⑤ Color: 0 = Nature
- ⑥ Packing:
R = Tape & Reel
T = Tube

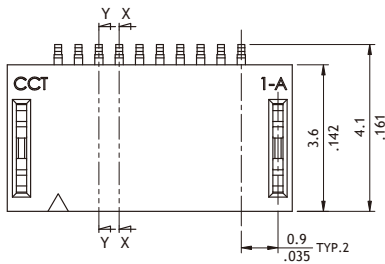
- ⑦ Other Options: 0 = Standard
W = Wide Tabs
*Special option consult manufacturer
- ⑧ Pitch: 10 = 1.00 mm
- ⑨ Process: -LF = For Lead Free IR process
-NH = For Lead Free IR process and Halogen-Free

CF27 Series 0.50mm(.020") H=1.20 SMT LIF FFC/FPC Connectors

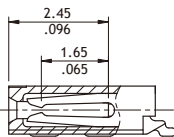
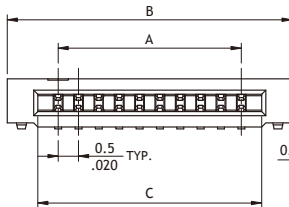
- ① 1.2mm above the board
- ② Copper alloy dual contacts
- ③ Insulator: High temperature plastic UL 94V-0, Color Nature
- ④ With metal fixed tabs to secure connector in place



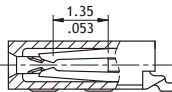
RoHS Compliant



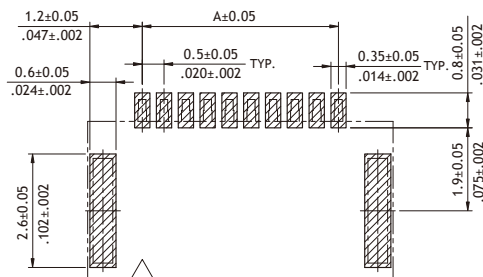
A = 0.5 x No. of Spaces
 B = A + 2.5
 C = A + 1.0
 D = A + 4.5



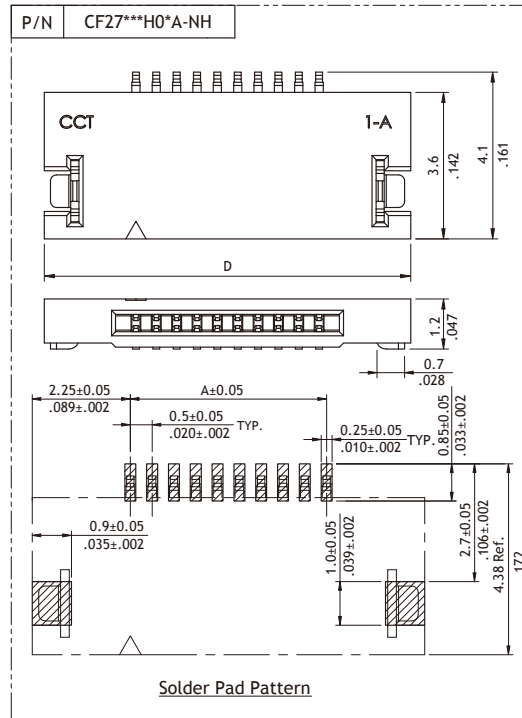
SEC.: Y-Y



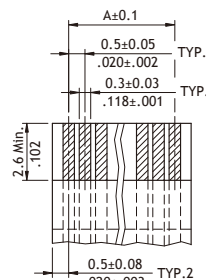
SEC.: X-X



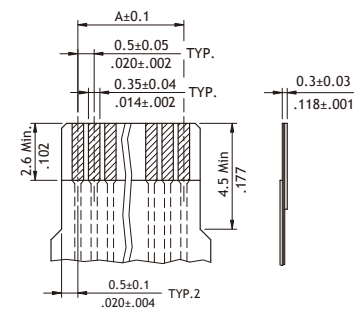
Solder Pad Pattern



Solder Pad Pattern



Accommodated FFC



Accommodated FPC

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
 CF 2 7 2 0 1 H 0 R 0 - NH

- ① Series No.
 ② No. of Circuits: 04 to 20
 ③ Plating Code:
 1 = Matte Tin over Nickel
 2 = Gold flash over Nickel

- ④ Contact Style:
 H = Side Entry
 ⑤ Color: 0 = Nature
 ⑥ Packing:
 R = Tape & Reel
 T = Tube

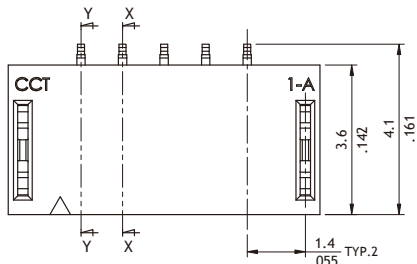
- ⑦ Other Options:
 0 = Standard
 A = Base of Wide size
 ⑧ Process: -NH = For Lead Free
 IR process and
 Halogen-Free

CF27 Series 1.00mm(.039") H=1.20 SMT LIF FFC/FPC Connectors

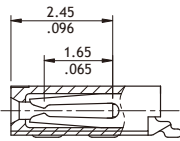
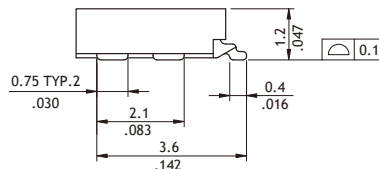
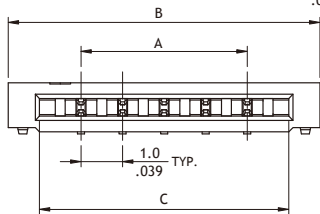
- 1.2mm above the board
- Copper alloy dual contacts
- Insulator: High temperature plastic UL 94V-0, Color Nature
- With metal fixed tabs to secure connector in place



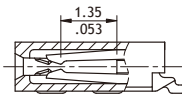
RoHS Compliant



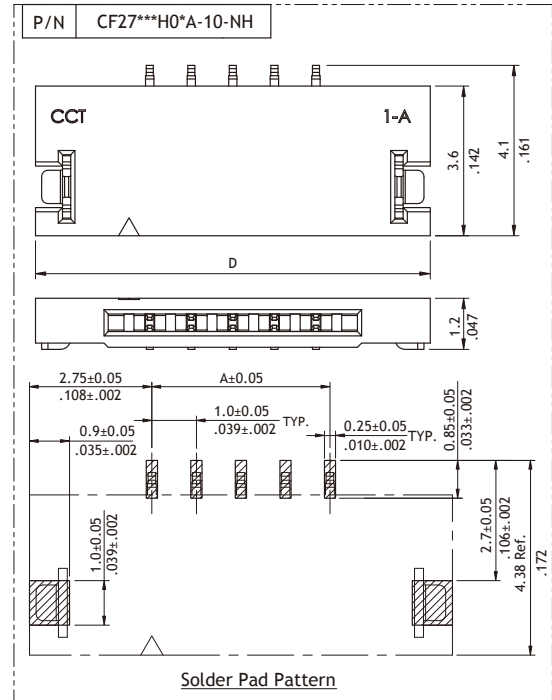
A = 1.0 x No. of Spaces
 B = A + 3.5
 C = A + 2.0
 D = A + 5.5



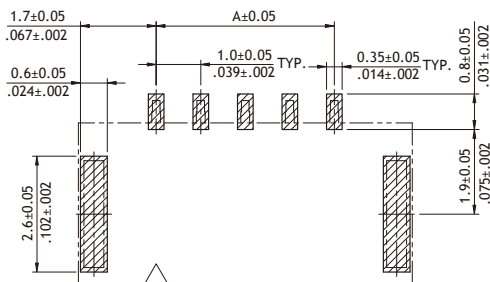
SEC.: Y-Y



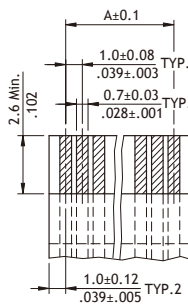
SEC.: X-X



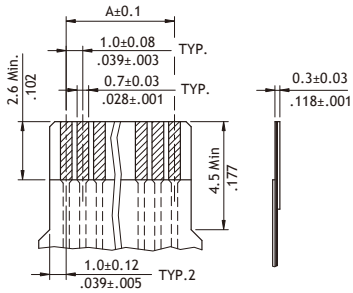
Solder Pad Pattern



Solder Pad Pattern



Accommodated FFC



Accommodated FPC

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨
 CF 2 7 1 0 1 H 0 R 0 - 1 0 - NH

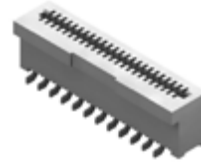
- ① Series No.
 ② No. of Circuits: 04 to 10
 ③ Plating Code:
 1 = Matte Tin over Nickel
 2 = Gold flash over Nickel

- ④ Contact Style:
 H = Side Entry
 ⑤ Color: 0 = Nature
 ⑥ Packing:
 R = Tape & Reel
 T = Tube

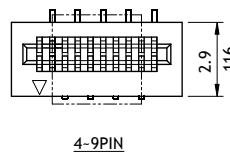
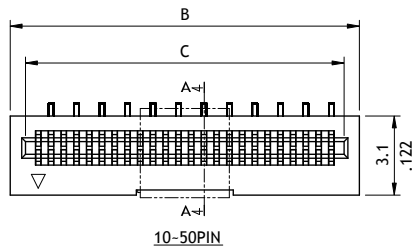
- ⑦ Other Options:
 0 = Standard
 A = Base of Wide size
 ⑧ Pitch: 10 = 1.00 mm
 ⑨ Process: -NH = For Lead Free
 IR process and
 Halogen-Free

CF24 Series 0.50mm(.020") H=4.20 SMT LIF Vertical FFC/FPC Connectors

- ⊙ Tin plated over copper alloy dual contacts
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ Low insertion force



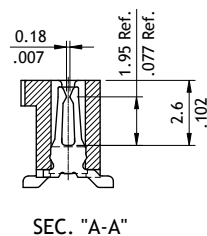
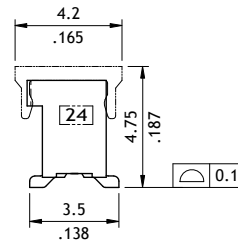
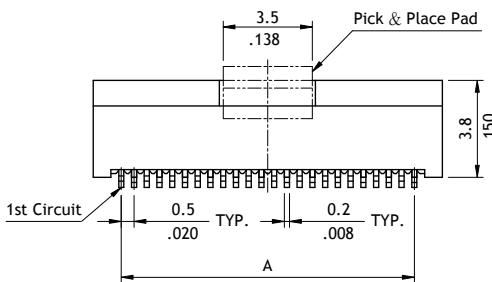
RoHS Compliant  



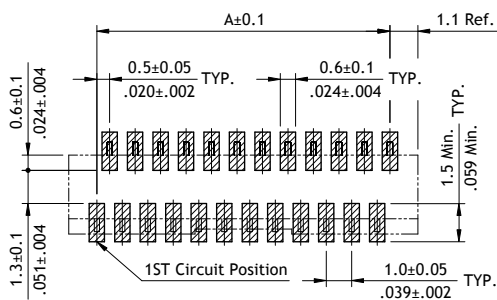
$$A = 0.5 \times \text{No. of Spaces}$$

$$B = A + 2.2$$

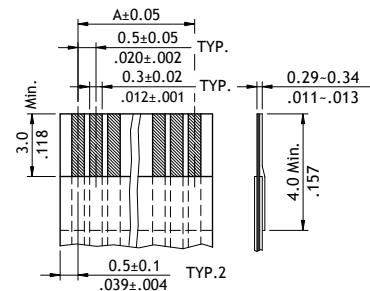
$$C = A + 1.1$$



SEC. "A-A"



Solder Pad Pattern



Accommodated FFC/FPC

Ordering Code

①	②	③	④	⑤	⑥	⑦	⑧
CF	24	50	1	V	0	R	0
							- NH

- ① Series No.
 ② No. of Circuits: 04 to 50
 ③ Plating Code:
 1 = Matte Tin over Nickel

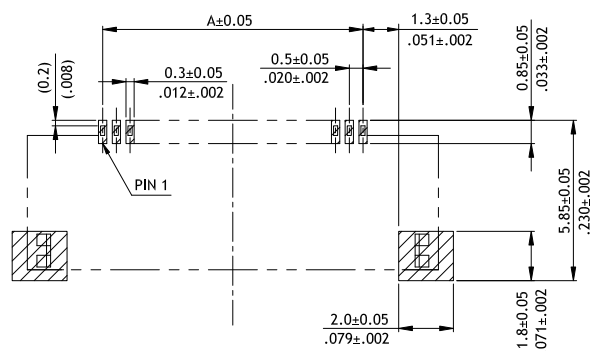
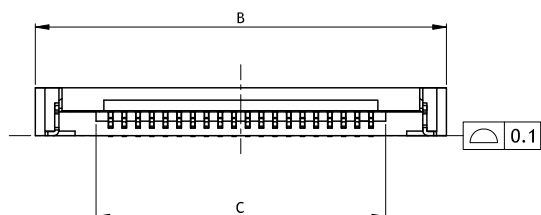
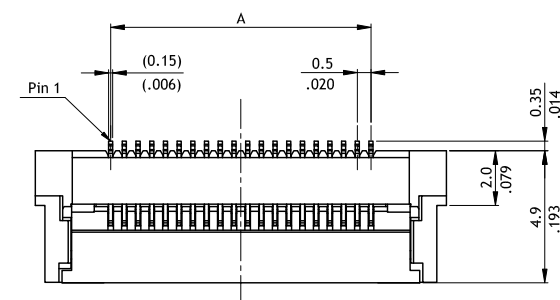
- ④ Contact Style:
 V = Vertical Type
 ⑤ Color: 0 = Nature
 ⑥ Packing:
 R = Tape & Reel
 T = Tube

- ⑦ Other Options:
 0 = With pick & place pad (Standard)
 N = Without pick & place pad
 *Special options consult manufacturer
 ⑧ Process: -NH = For Lead Free IR process and Halogen-Free

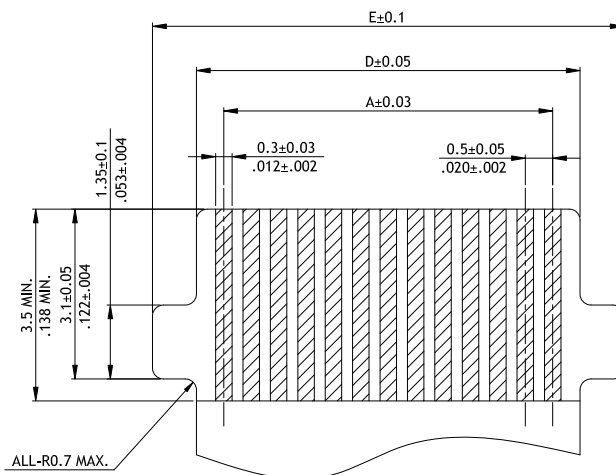
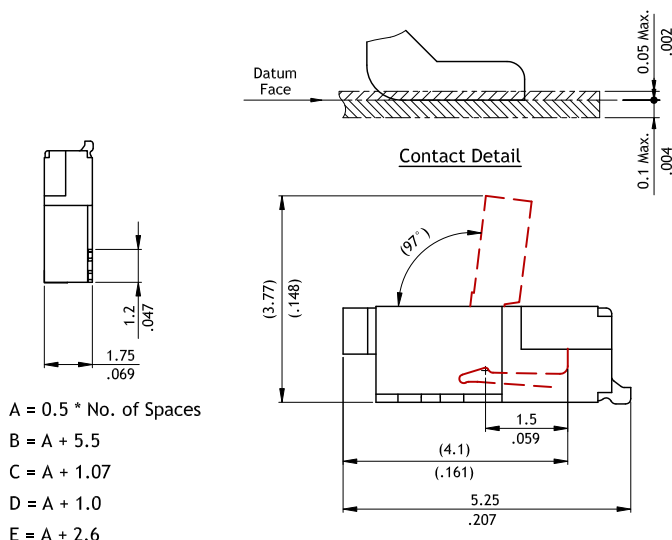
- ◎ 1.75mm above the board
- ◎ FFC/FPC low insertion force and high retentions force
- ◎ Insulator: High temperature plastic UL 94V-0, Color Nature
- ◎ Cover: High temperature plastic UL 94V-0, Color Black
- ◎ Actuator designed easy for FPC installation and reliable operation
- ◎ With metal fixed tabs to secure connector in place

NEW

RoHS Compliant  



Recommended PCB Layout



(THICKNESS:0.3±0.03)
APPLICABLE FFC/FPC DIM.(REF)

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

CF 6 9 4 0 2 D 0 R 0 - 05 - NH

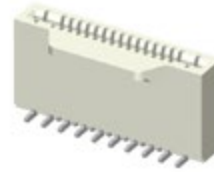
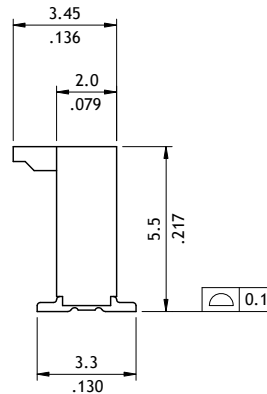
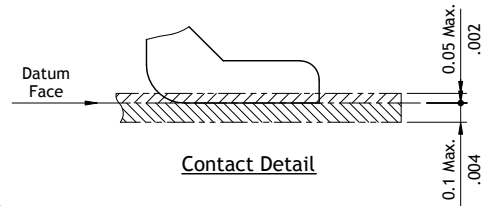
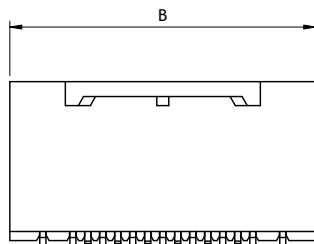
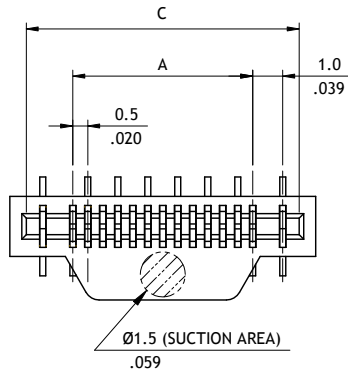
- ① Series No.
② No. of Circuits: 40
*Circuits not found above
please consult manufacturer*
③ Plating Code:
1 = Matte Tin over Nickel
2 = Gold flash over Nickel

- ④ Contact Style:
D= Downside Contact
- ⑤ Color: 0 = Nature
- ⑥ Packing:
R = Tape & Reel

- ⑦ Other Options:
0 = Standard
*Special option consult
manufacturer
- ⑧ Pitch: 05= 0.50 mm
- ⑨ Process: -NH = For Lead Free
IR process and
Halogen-Free

CF65 Series 0.50mm(.020") H=5.50 SMT LIF Vertical FFC/FPC Connectors

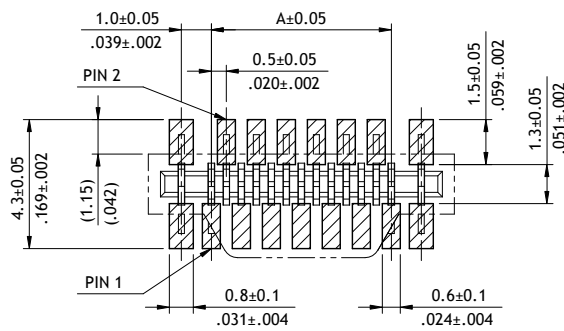
- ⊙ FFC/FPC low insertion force and high retentions force
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ With metal fixed tabs to secure connector in place

**NEW**RoHS Compliant  

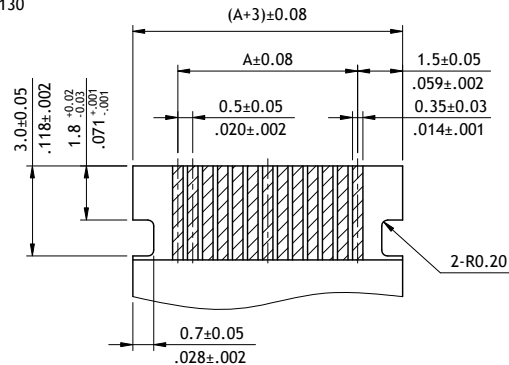
$$A = 0.5 * \text{No. of Spaces}$$

$$B = A + 4.2$$

$$C = A + 3.1$$



Recommended PCB Layout

APPLICABLE FPC
(THICKNESS: 0.40±0.03)**Ordering Code**

①	②	③	④	⑤	⑥	⑦	⑧	⑨
CF65	18	1	M	0	R	0	-05	-NH

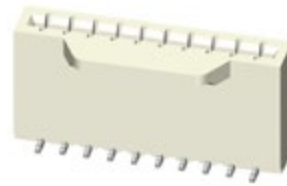
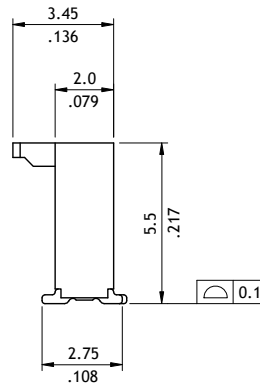
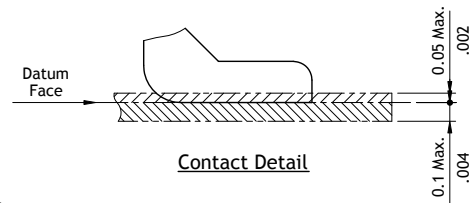
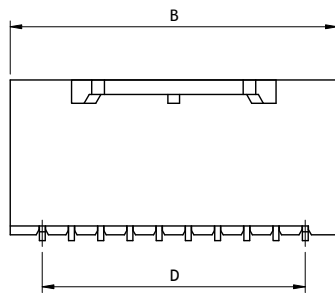
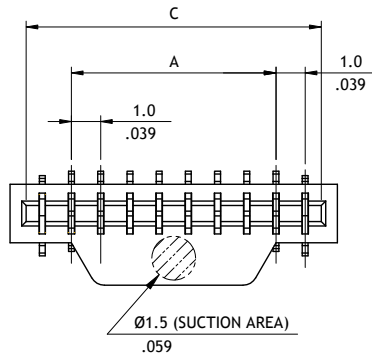
- ① Series No.
- ② No. of Circuits: 04 to 35
(Available : 18)
*Circuits not found above
please consult manufacturer*
- ③ Plating Code:
1 = Matte Tin over Nickel
2 = Gold flash over Nickel

- ④ Contact Style:
M= Top entry Type(SMT)
- ⑤ Color: 0 = Nature
- ⑥ Packing:
R = Tape & Reel

- ⑦ Other Options:
0 = Standard
*Special option consult
manufacturer
- ⑧ Pitch: 05= 0.50 mm
- ⑨ Process: -NH = For Lead Free
IR process and
Halogen-Free

CF65 Series 1.00mm(.039") H=5.50 SMT LIF Vertical FFC/FPC Connectors

- ⊙ FFC/FPC low insertion force and high retentions force
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ With metal fixed tabs to secure connector in place

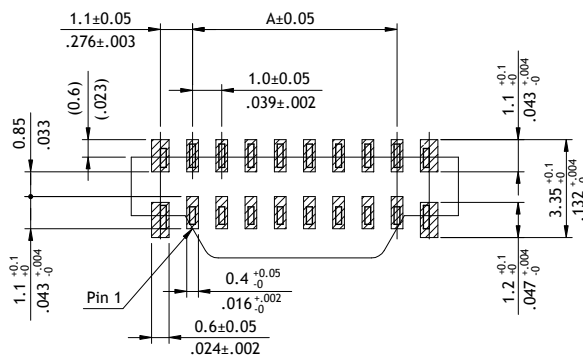
**NEW**RoHS Compliant  

$$A = 1.0 * \text{No. of Spaces}$$

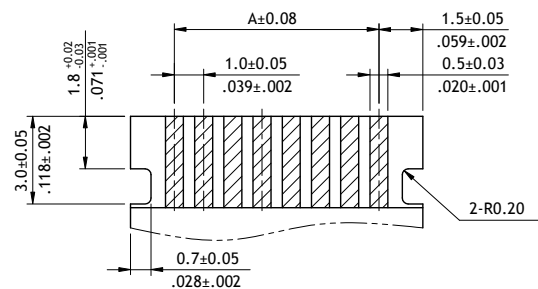
$$B = A + 4.2$$

$$C = A + 3.08$$

$$D = A + 2.0$$



Recommended PCB Layout

APPLICABLE FPC
(THICKNESS: 0.40±0.03)

Ordering Code

①	②	③	④	⑤	⑥	⑦	⑧	⑨
CF65	08	1	M	0	R	A	- 10	- NH

① Series No.

② No. of Circuits: 03 to 18
(Available : 8)*Circuits not found above
please consult manufacturer*

③ Plating Code:

1 = Matte Tin over Nickel
2 = Gold flash over Nickel

④ Contact Style:

M= Top entry Type(SMT)

⑤ Color: 0 = Nature

⑥ Packing:

R = Tape & Reel

⑦ Other Options:

A= Short Solder tail

*Special option consult
manufacturer

⑧ Pitch: 10= 1.00 mm

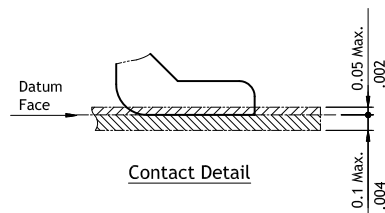
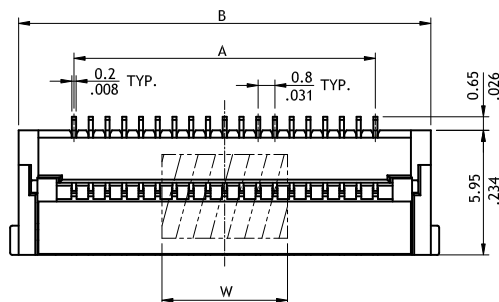
⑨ Process: -NH = For Lead Free
IR process and
Halogen-Free

CF32 Series 0.80mm(.031")H=1.95 SMT ZIF One-Touch FFC/FPC Connectors

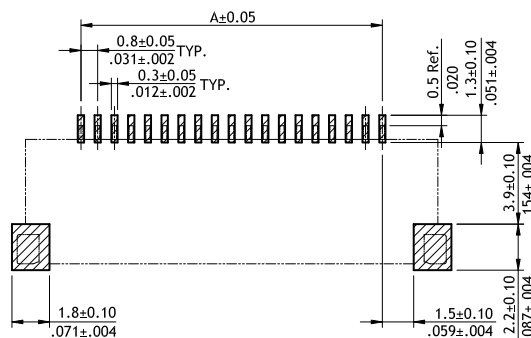
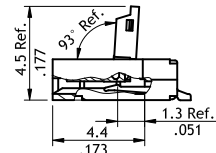
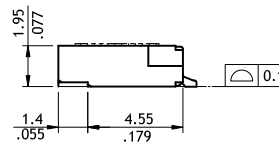
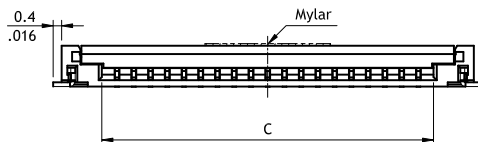
- ⊙ 1.95mm above the board
- ⊙ FFC/FPC zero insertion force and high retention force
- ⊙ Insulation: High temperature plastic UL 94V-0, Color Nature
- ⊙ Cover: High temperature plastic UL 94V-0, Color Black
- ⊙ Actuator designed easy for FFC/FPC installation and reliable operation
- ⊙ With metal fixed tabs to secure connector in place



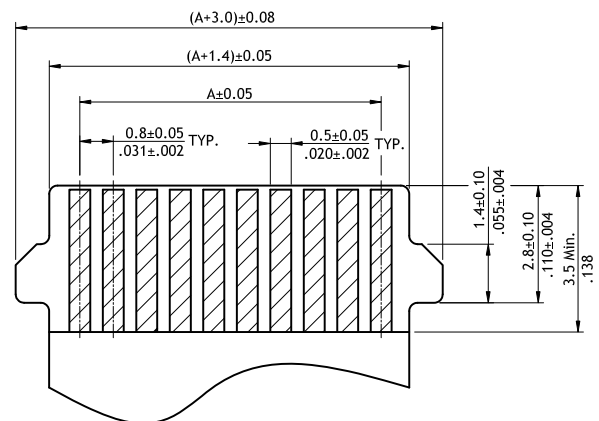
RoHS Compliant  



A = 0.8 x No. of Spaces
B = A + 5.3
C = A + 1.45
4- 6Pin W=3.0
7-40Pin W=6.0



Recommended PCB Layout



Accommodated FFC/FPC

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
CF 3 2 3 2 1 D 0 R 0 - NH

- ① Series No.
② No. of Circuits: 04 to 40
(Available: 30,32)
Circuits not found above please consult manufacturer

- ③ Plating Code:
1 = Matte Tin over Nickel
2 = Gold flash over Nickel
④ Contact Style:
D = Downside contact
⑤ Color: 0 = Nature
⑥ Packing: R = Tape & Reel

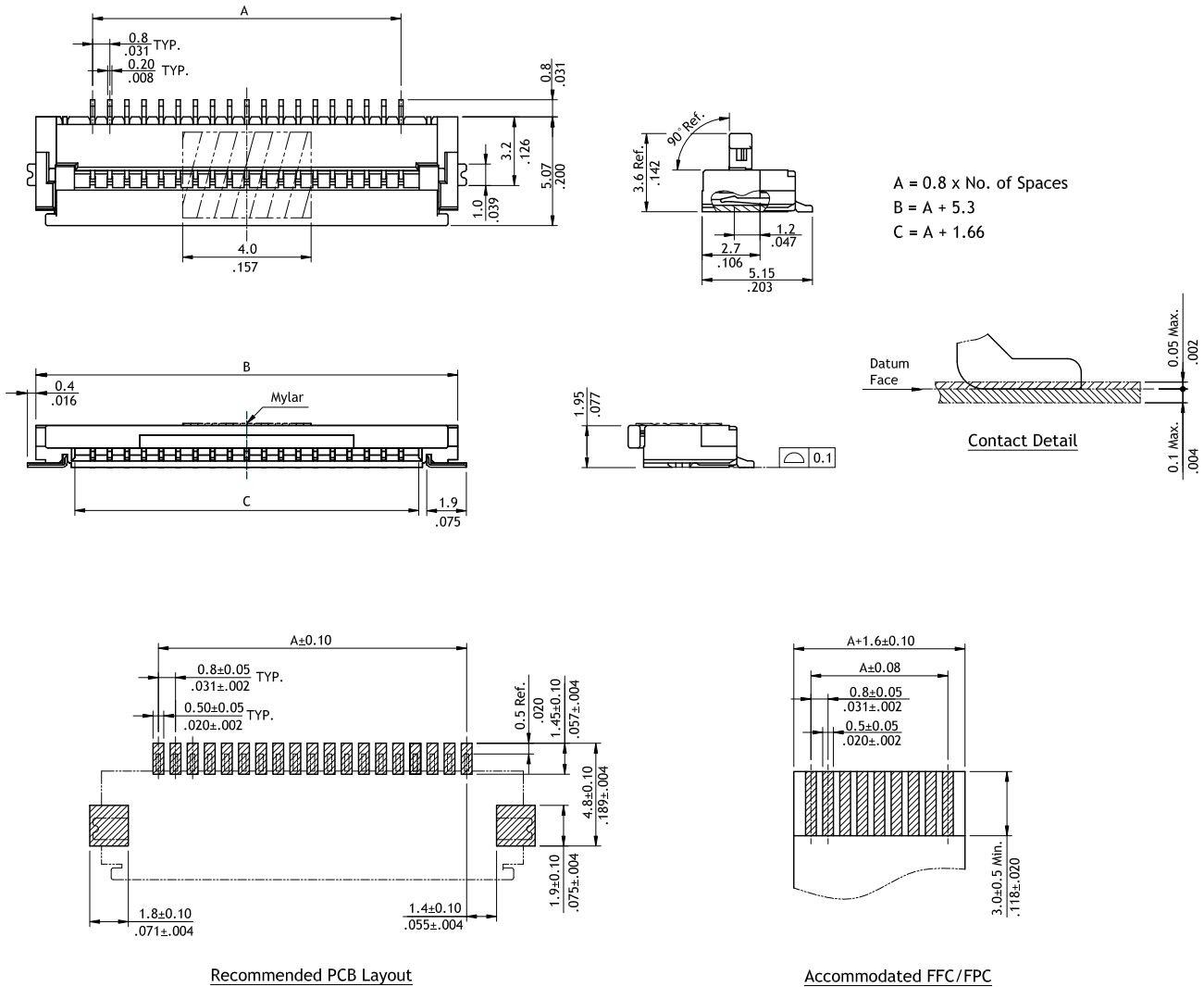
- ⑦ Other Options:
0 = Standard(Without Mylar)
M = With Mylar
*Special options consult manufacturer
⑧ Process: -NH = For Lead Free
IR process and Halogen-Free

CF37 Series 0.80mm(.031")H=1.95 SMT ZIF One-Touch FFC/FPC Connectors

- ⊙ 1.95mm above the board
- ⊙ FFC/FPC zero insertion force and high retention force
- ⊙ Insulation: High temperature plastic UL 94V-0, Color Nature
- ⊙ Cover: High temperature plastic UL 94V-0, Color Black
- ⊙ Actuator designed easy for FFC/FPC installation and reliable operation
- ⊙ With metal fixed tabs to secure connector in place



RoHS Compliant



Ordering Code

① CF ② 3 ③ 7 ④ 3 ⑤ 4 ⑥ 2 ⑦ D ⑧ 0 ⑨ R ⑩ 0 - ⑪ NH

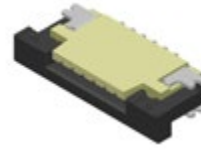
- ① Series No.
 ② No. of Circuits: 04 to 40
 (Available: 26,34)
 Circuits not found above please consult manufacturer

- ③ Plating Code:
 1 = Matte Tin over Nickel
 2 = Gold flash over Nickel
 ④ Contact Style:
 D = Downside contact
 ⑤ Color: 0 = Nature
 ⑥ Packing: R = Tape & Reel

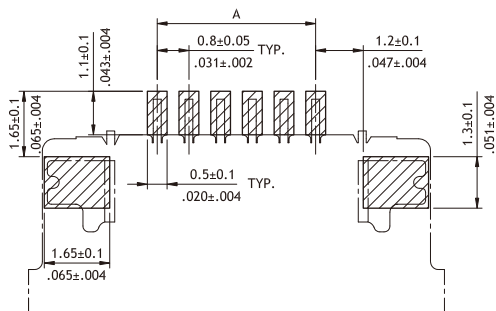
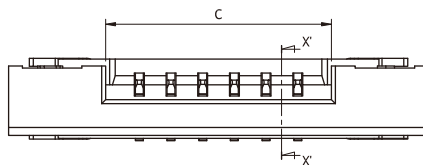
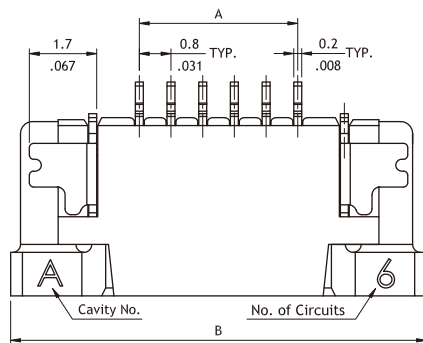
- ⑦ Other Options: 0 = Standard
 (Without Mylar)
 M = With Mylar
 *Special options consult manufacturer
 ⑧ Process: -NH = For Lead Free
 IR process and Halogen-Free

CF17 Series 0.80mm(.031")H=2.00 SMT ZIF Upside FFC/FPC Connectors

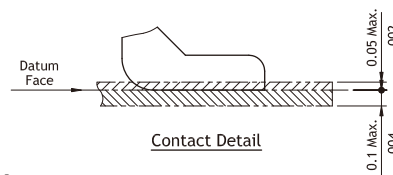
- ⊙ Insulation: High temperature plastic UL 94V-0, Color Nature
- ⊙ Cover: High temperature plastic UL 94V-0, Color Black
- ⊙ With metal fixed tabs to secure connector in place



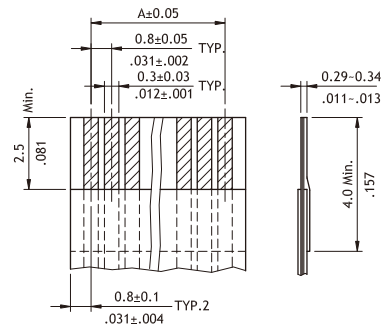
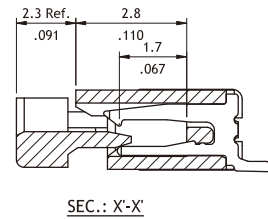
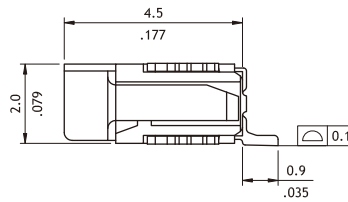
RoHS Compliant



Solder Pad Pattern



A = 0.80 * No. of Spaces
B = A + 6.60
C = A + 1.70



Accommodated FFC/FPC

Ordering Code

① CF 17 ② 3 4 ③ 1 ④ U ⑤ 0 ⑥ R ⑦ A - ⑧ NH

- ① Series No.
② No. of Circuits: 04 to 40
(Available: 26,30,34)
Circuits not found above please consult manufacturer

- ③ Plating Code:
1 = Matte Tin over Nickel
2 = Gold flash over Nickel
④ Contact Style:
U = Upside Contact
⑤ Color: 0 = Nature

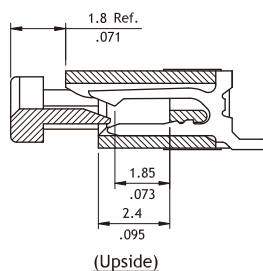
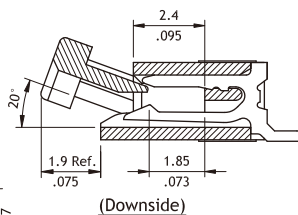
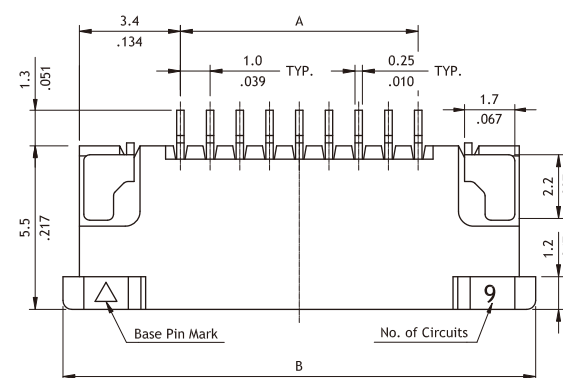
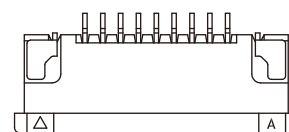
- ⑥ Packing: R = Tape & Reel
T = Tube
⑦ Other Options: A = Standard
*Special options consult manufacturer
⑧ Process: -NH = For Lead Free
IR process and Halogen-Free

CF07 Series 1.00mm(.039")H=2.60 SMT ZIF FFC/FPC Connectors

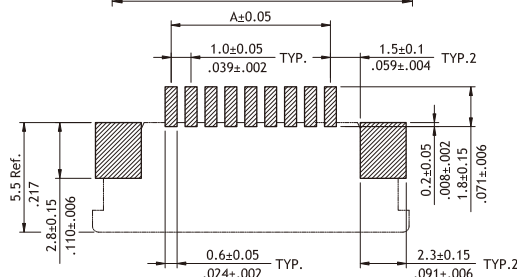
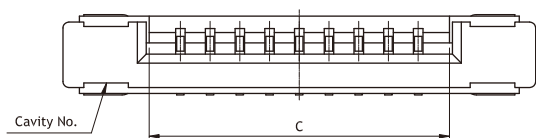
- Insulator: High temperature plastic UL 94V-0, Color Nature
- Slider: High temperature plastic UL 94V-0, Color Black
- With metal fixed tabs to secure connector in place



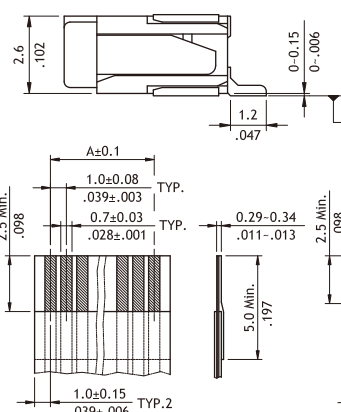
RoHS Compliant

P/N: CF07***D0*0-NH
(Downside)

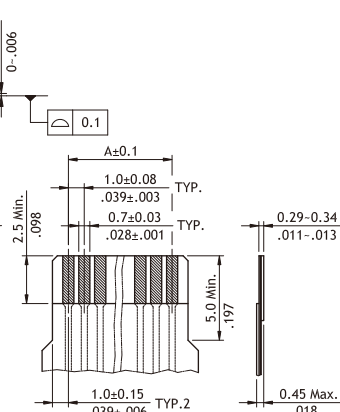
A = 1.0 * No. of Spaces
B = A + 8.0
C = A + 2.1



Solder Pad Pattern



Accommodated FFC



Accommodated FPC

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
CF07 32 1 U 0 R 0 - NH

- ① Series No.
② No. of Circuits: 04 to 32
③ Plating Code:
1 = Matte Tin over Nickel

- ④ Contact Style:
U = Upside Contact
D = Downside Contact
⑤ Color: 0 = Nature
⑥ Packing: 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

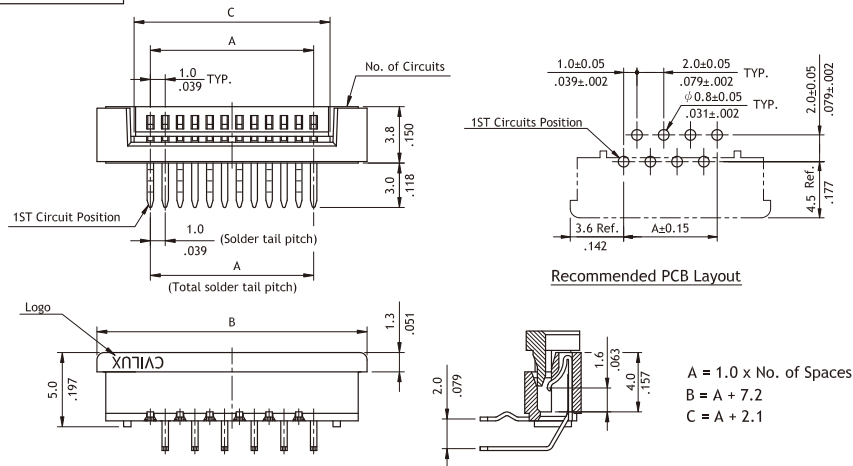
CF10 Series 1.00mm(.039")H=3.80/5.00 DIP ZIF FFC/FPC Connectors

- ◎ Tin contacts with kinked tail
- ◎ Insulator: High temperature plastic UL 94V-0, Color Nature
- ◎ Slider: High temperature plastic UL 94V-0, Color Brown / Black

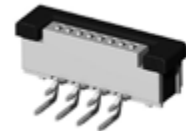
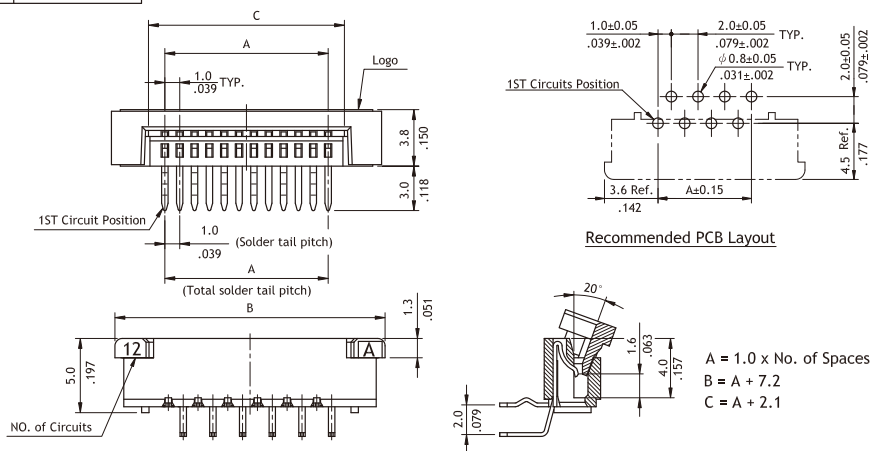
RoHS Compliant



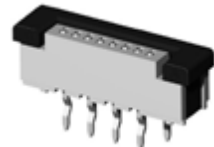
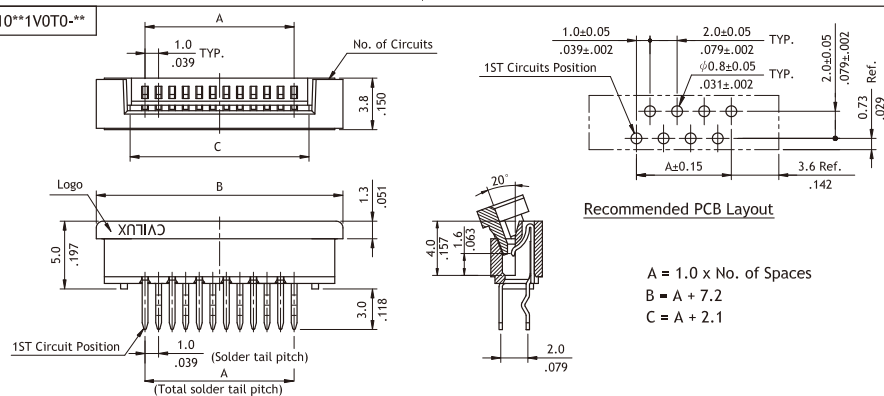
P/N CF10**1U0T0-**-



P/N CF10**1D0T0-**-

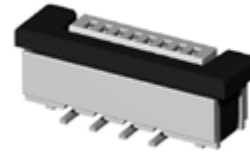


P/N CF10**1V0T0-**-



CF10 Series 1.00mm(.039")H=5.20 SMT ZIF FFC/FPC Connectors

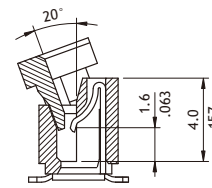
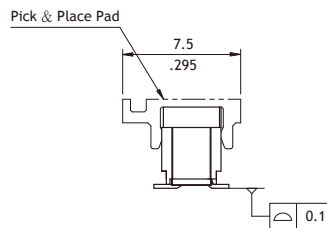
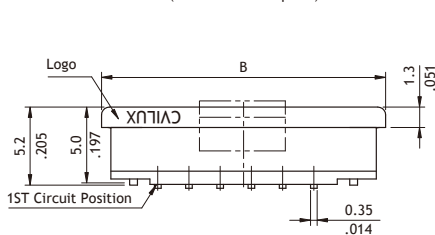
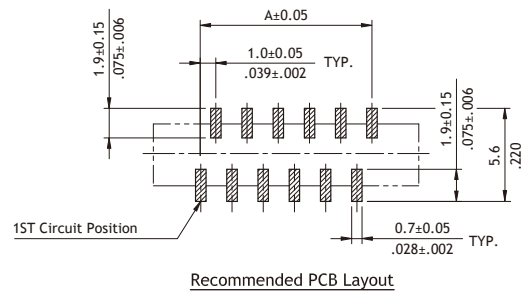
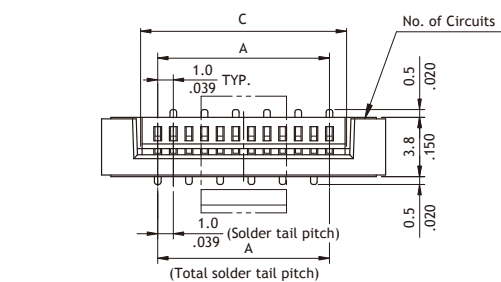
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ Slider: High temperature plastic UL 94V-0, Color Black



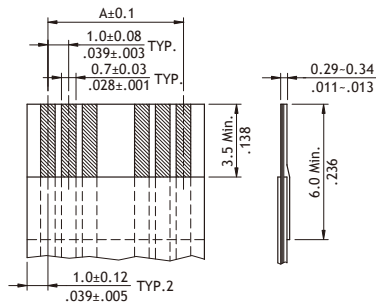
RoHS Compliant



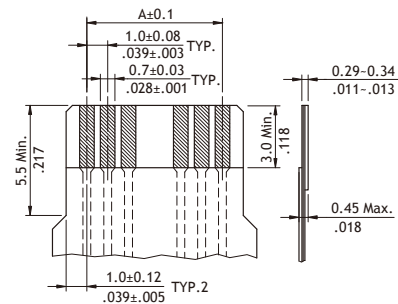
P/N CF10**1M0*0-NH



A = 1.0 x No. of Spaces
B = A + 7.2
C = A + 2.1



Accommodated FFC



Accommodated FPC

Ordering Code

① CF ② 10 ③ 32 ④ 1 ⑤ V ⑥ 0 ⑦ T ⑧ 0 - NH

- ① Series No.
- ② No. of Circuits: 04 to 32
- ③ Plating Code:
1 = Matte Tin over Nickel

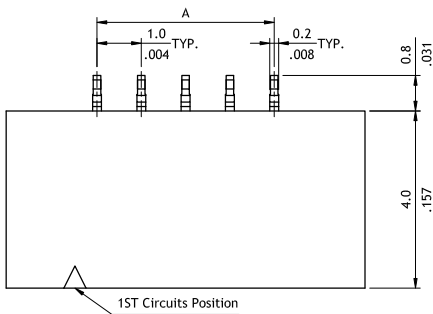
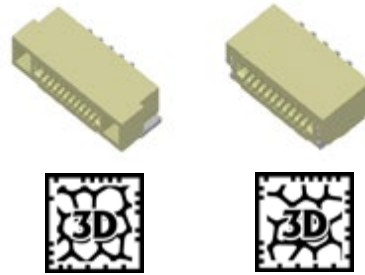
- ④ Contact Style:
U = Upside Contact (DIP)
D = Downside Contact (DIP)
V = Vertical Type (DIP)
M = Top entry Type (SMT)
- ⑤ Color: 0 = Nature
- ⑥ Packing: R = Tape & Reel
T = Tube

- ⑦ Other Options: 0 = Standard
*Special options consult manufacturer
- ⑧ Process: -LF = For Lead Free IR process
-NH = For Lead Free IR process and Halogen-Free

CF06 Series 1.00mm(.039")H=1.80 SMT LIF FFC/FPC Connectors

- ⊙ 1.8mm above the board
- ⊙ Copper alloy dual contacts
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ With metal fixed tabs to secure connector in place

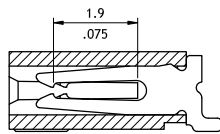
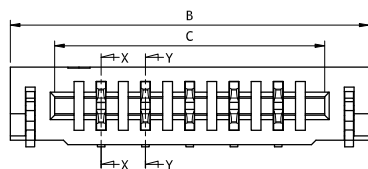
RoHS Compliant



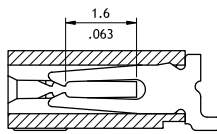
$$A = 1.0 * \text{No. of Spaces}$$

$$B = A + 4.1$$

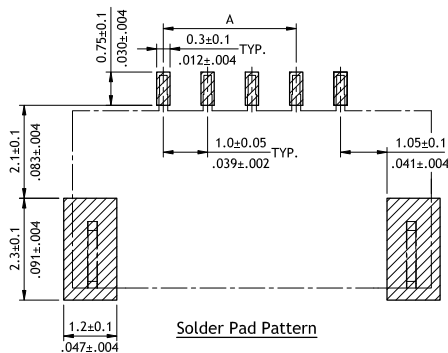
$$C = A + 2.1$$



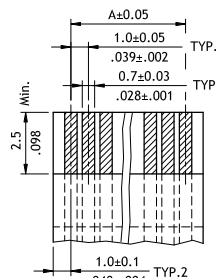
SEC.: X-X



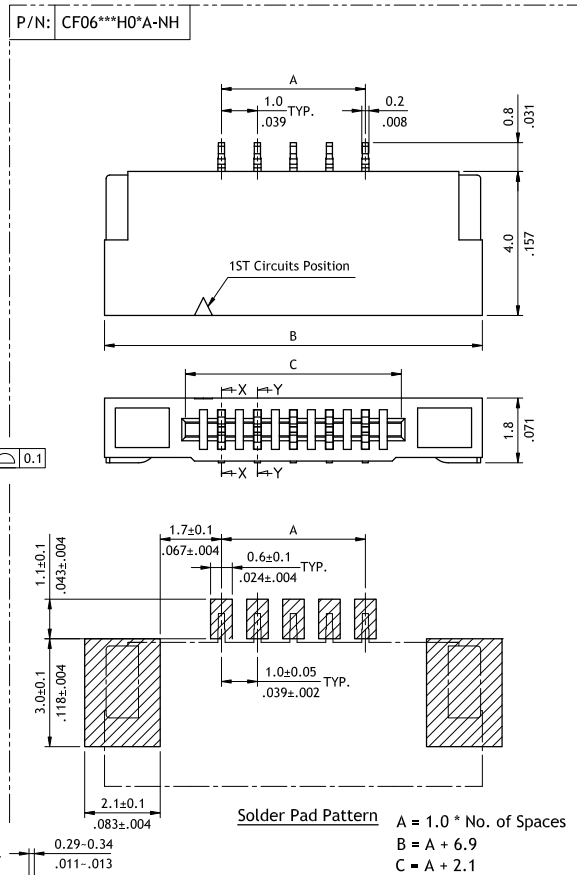
SEC.: Y-Y



Solder Pad Pattern



Accommodated FFC/FPC

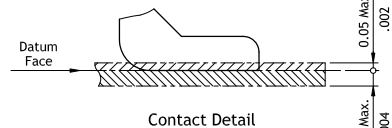


Solder Pad Pattern

$$A = 1.0 * \text{No. of Spaces}$$

$$B = A + 6.9$$

$$C = A + 2.1$$



Contact Detail

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧
CF 0 6 1 5 1 H 0 R 0 - NH

- ① Series No.
 ② No. of Circuits: 04 to 15
 (Available: R0:9,13,15
 RA:9,12,13)
 ③ Plating Code:
 1 = Matte Tin over Nickel
 2 = Gold flash over Nickel

- ④ Contact Style:
 H = Side Entry
 ⑤ Color: 0 = Nature
 ⑥ Packing:
 R = Tape & Reel
 T = Tube

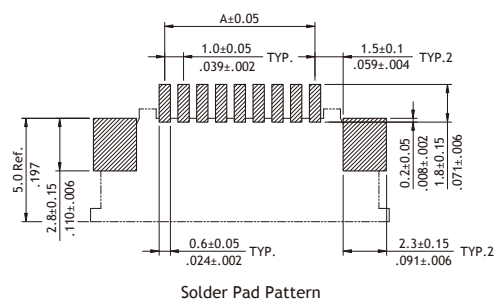
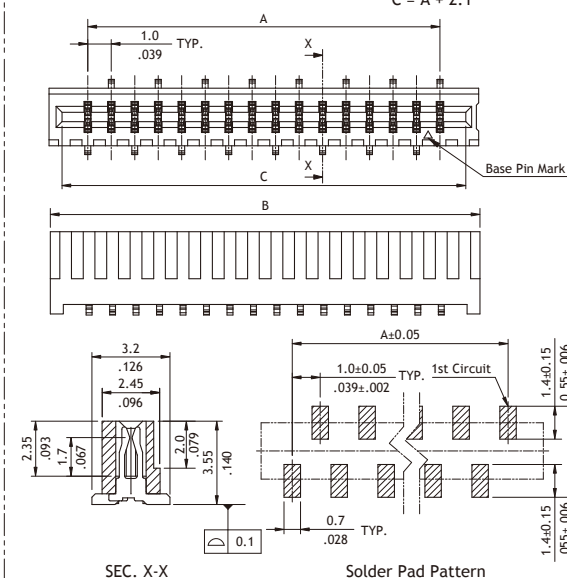
- ⑦ Other Options:
 0 = Standard
 A = Base of Wide size
 *Special options consult manufacturer
 ⑧ Process: -NH = For Lead Free
 IR process and
 Halogen-Free

-

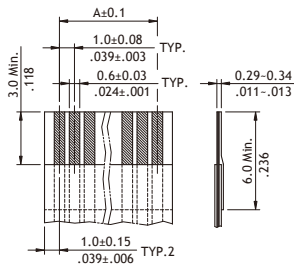


P/N	CF08***M1*0-LF
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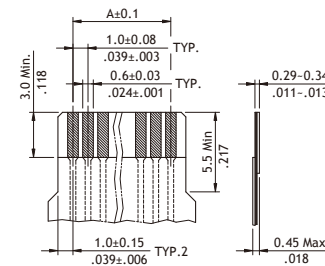
(Top Entry)



Solder Pad Pattern



Accommodated FFC



Accommodated FPC

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

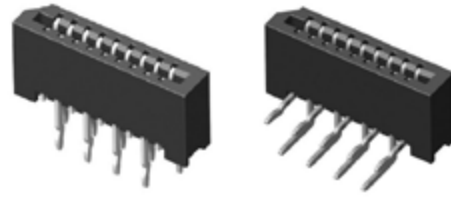
CF08 32 1 H 2 R 0 - NH

- ⑦ Other Options: 0 = Standard
*Special options consult manufacturer
- ⑧ Process: -LF = For Lead Free soldering process (Top Entry)
-NH = For Lead Free IR process and Halogen-Free (Side Entry)

CF09 Series 1.00mm(.039")H=2.60/5.50 DIP LIF FFC/FPC Connectors

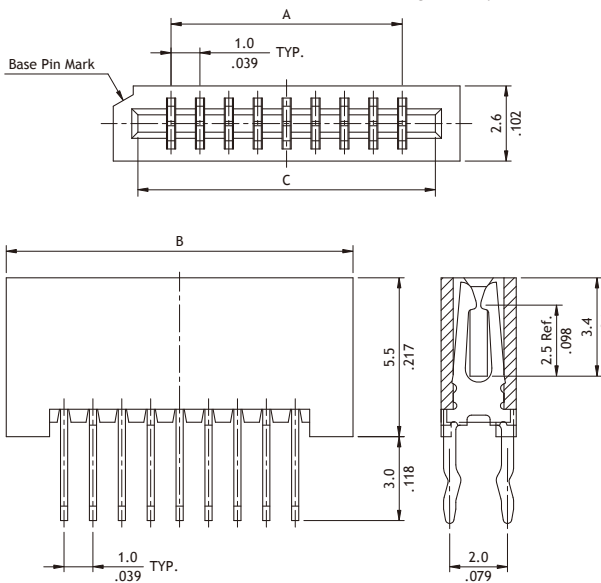
- Tin over copper alloy dual contacts
- Insulator: High temperature plastic UL 94V-0
- Low Insertion Force

RoHS Compliant

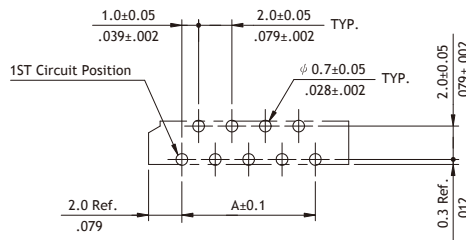
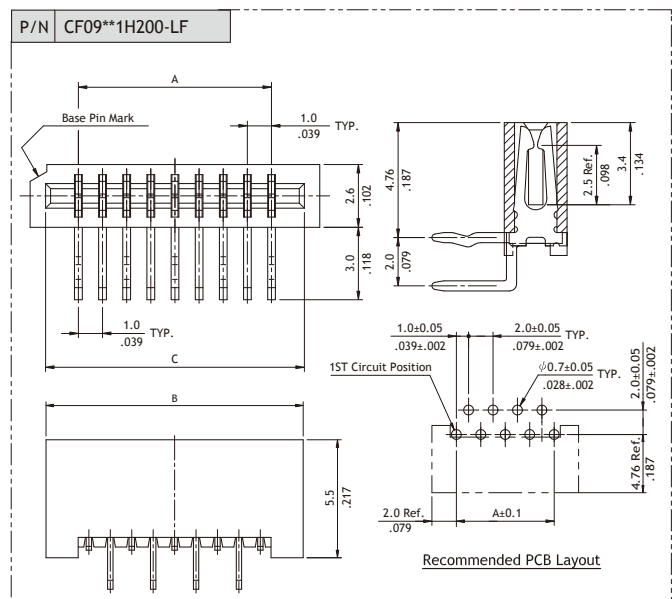


P/N CF09**1V200-LF

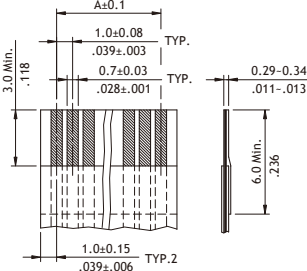
A = 1.0 * No. of Spaces
B = A + 4.0
C = A + 2.1



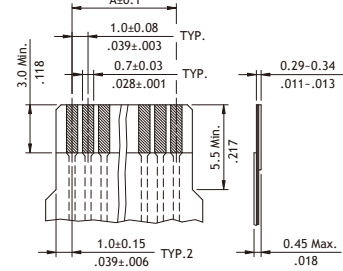
P/N CF09**1H200-LF



Recommended PCB Layout



Accommodated FFC



Accommodated FPC

Ordering Code

① CF 09 ② 3 2 ③ 1 ④ H ⑤ 2 ⑥ 0 0 - ⑦ NH

- ① Series No.
② No. of Circuits: 04 to 32
③ Plating Code:
1 = Matte Tin over Nickel

- ④ Contact Style:
V = Top Entry
H = Side Entry
⑤ Color: 1 = Black (NH)
2 = Brown (LF)

- ⑥ Other Options: 00 = Standard
*Special options consult manufacturer
⑦ Process: -LF = For Lead Free soldering process
-NH = For Lead Free IR process and Halogen-Free

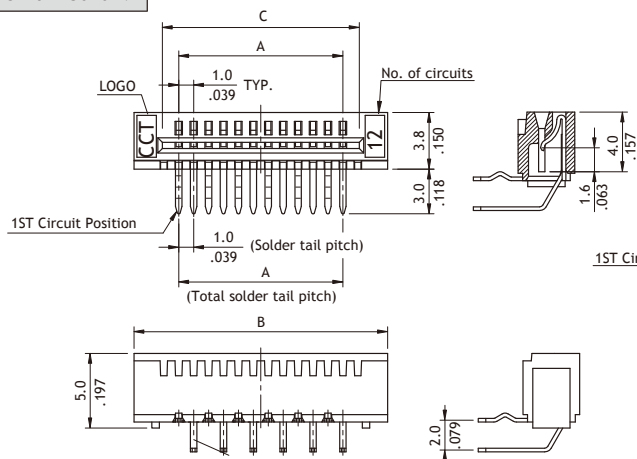
CF16 Series 1.00mm(.039")H=3.80/5.00 DIP LIF FFC/FPC Connectors

- Tin contacts with kinked tail
- Insulator: High temperature plastic UL 94V-0

RoHS Compliant



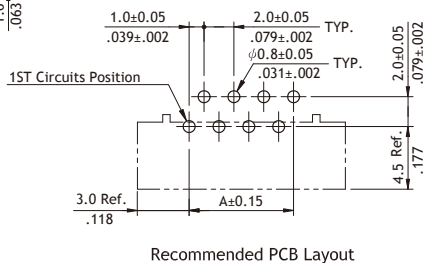
P/N CF16**1U0T0-NH



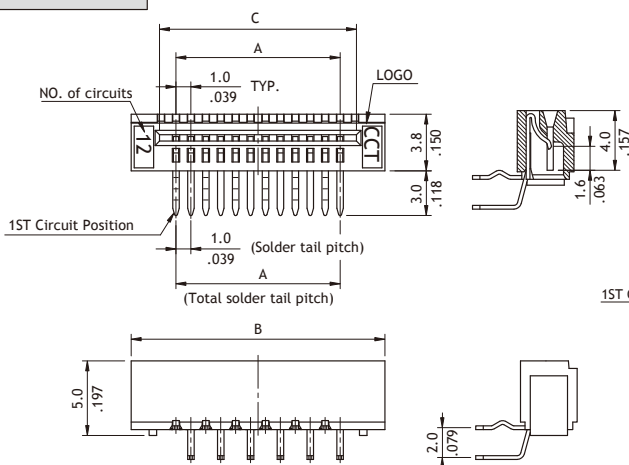
$$A = 1.0 \times \text{No. of Spaces}$$

$$B = A + 6.0$$

$$C = A + 2.1$$



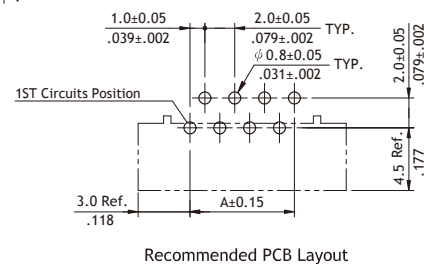
P/N CF16**1D0T0-NH



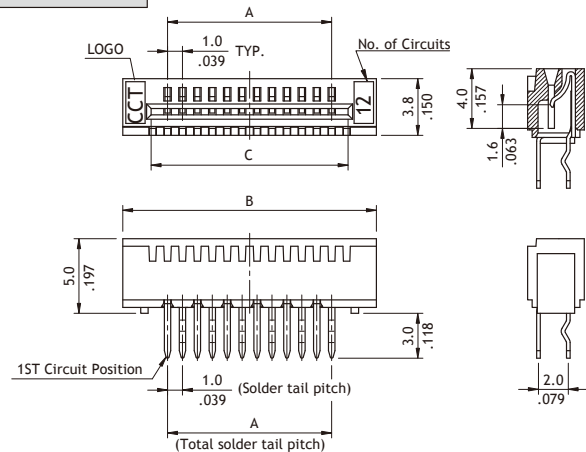
$$A = 1.0 \times \text{No. of Spaces}$$

$$B = A + 6.0$$

$$C = A + 2.1$$



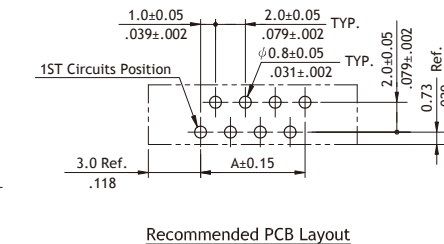
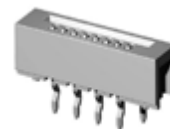
P/N CF16**1V0T0-NH



$$A = 1.0 \times \text{No. of Spaces}$$

$$B = A + 6.0$$

$$C = A + 2.1$$

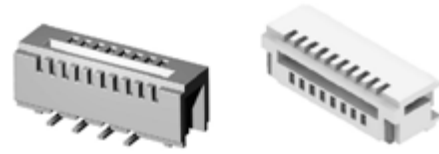


Recommended PCB Layout

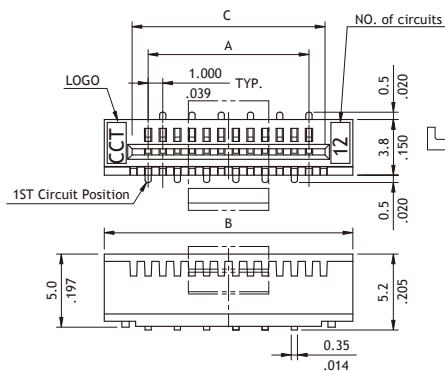
CF16 Series 1.00mm(.039")H=3.80/5.20 SMT LIF FFC/FPC Connectors

- ⊙ Insulator: High temperature plastic UL 94V-0, Color Nature
- ⊙ With metal fixed tabs to secure connector in place

RoHS Compliant



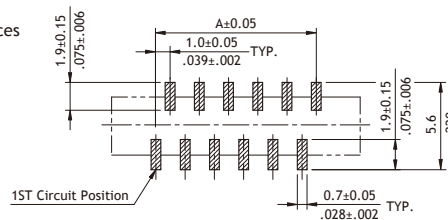
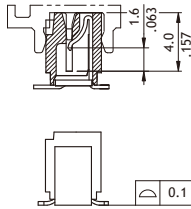
P/N CF16**1M0*0-NH



$$A = 1.0 \times \text{No. of Spaces}$$

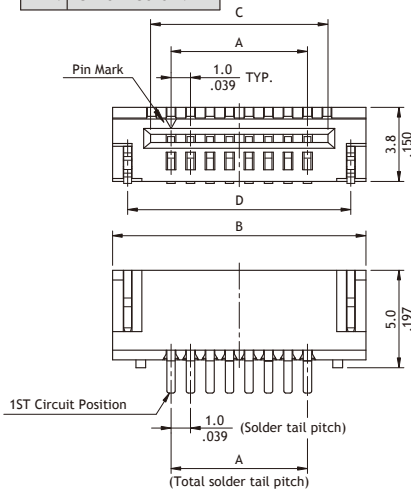
$$B = A + 6.0$$

$$C = A + 2.1$$



Solder Pad Pattern

P/N CF16**1S0*0-NH

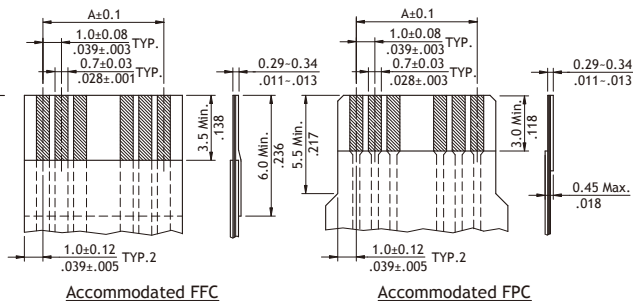
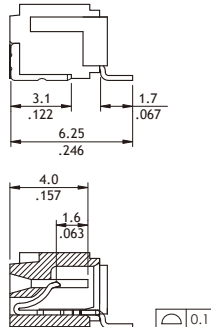


$$A = 1.0 \times \text{NO. of Spaces}$$

$$B = A + 6.0$$

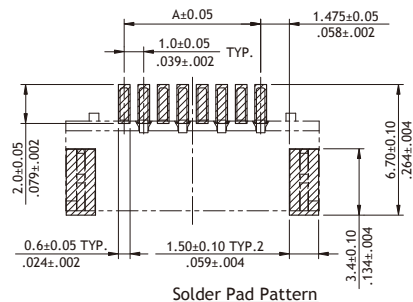
$$C = A + 2.1$$

$$D = A + 4.45$$



Accommodated FFC

Accommodated FPC



Solder Pad Pattern

Ordering Code

① CF ② 16 ③ 3 ④ 2 ⑤ 1 ⑥ V ⑦ 0 ⑧ T ⑨ 0 - ⑩ NH

- ① Series No.
- ② No. of Circuits: 03 to 32
- ③ Plating Code:
1 = Matte Tin over Nickel
- ④ Contact Style: U = Upside Contact (DIP)
D = Downside Contact (DIP)
V = Vertical Type (DIP)
M = Top entry Type (SMT)
S = Side entry Type (SMT)
- ⑤ Color: 0 = Nature
- ⑥ Packing: T = Tube packing without Pad (DIP or SMT)
R = Reel packing (SMT)
- ⑦ Other Options: 0 = Standard
*Special options consult manufacturer
- ⑧ Process: -LF = For Lead Free soldering process
-NH = For Lead Free soldering process and Halogen-Free

CF12 Series 1.25mm(.049")H=4.00/6.80 DIP LIF FFC/FPC Connectors

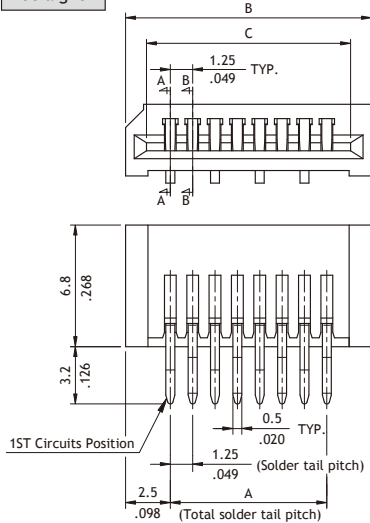
- ⊙ Tin plated contacts with kinked tail
- ⊙ Insulator: High temperature plastic UL 94V-0, Color Black



RoHS Compliant



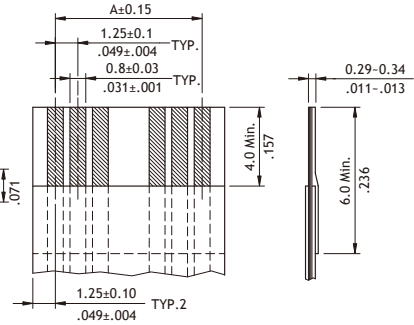
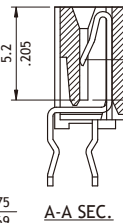
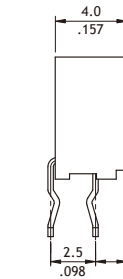
Straight



$$A = 1.25 \times \text{No. of Spaces}$$

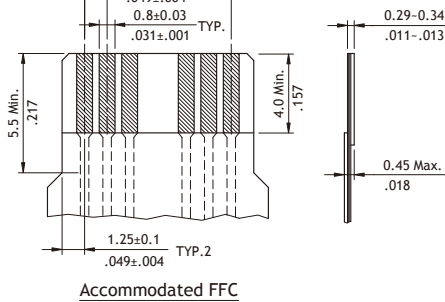
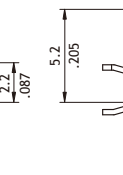
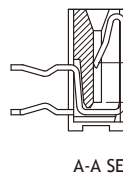
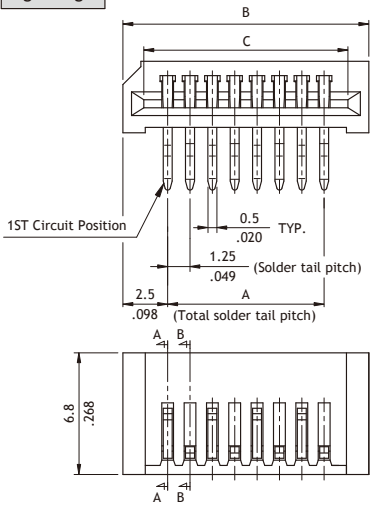
$$B = A + 5.0$$

$$C = A + 2.66$$

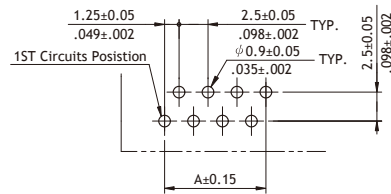


Accommodated FFC

Right Angle



Accommodated FFC



Recommended PCB Layout

Ordering Code

①	②	③	④	⑤	⑥	⑦
CF	12	36	1	V0	T	0
						-
						NH

- ① Series No.
- ② No. of Circuits: 03 to 36
- ③ Plating Code:
1 = Matte Tin over Nickel
- ④ Entry Options:
V0 = Straight
H0 = Right Angle
- ⑤ Packing:
T = Tube
- ⑥ Other Options:
0 = Standard
*Special options consult manufacturer
- ⑦ Process: -LF = For Lead Free soldering process