

Introduction

The CF system includes, flat printed circuits and flat flexible cable connectors, The connectors available in several different kinds of center spacing for low cost applications.

FFC and FPC connectors are composed of straight and right angle contacts to meet user requirement, and with kinked solder tails to help the lead is properly positioned on the pad and assures the highest quality fillet.

The connectors with Metal fixed Tabs is to secure connector in place while soldering process. It can save your time and production costs also protect multiple conductors after solder.

These connectors available in Zero insertion Force and Low insertion Force Type, they are common using in variety of consumer electronic application that requests a reliable, economic, easy and quick wire to board interconnections.

For special requirement excluding in this catalogue, please consult our sales agent or factory for information.



SYSTEM CF Technical Specifications

TEST METHODS FOR ELECTRONIC CONNECTOR IS ACCORDING TO FOLLOWING MILITARY STANDARD:

- 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

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

- | | |
|---|--|
| Electrical Data- | Construction- |
| Current rating: 0.3 Amp max. | Insulator: Color Natural and Brown, High temperature plastic |
| Dielectric Withstanding: 250 VAC for one minute | Flammability Rating: UL 94V-0 |
| Contact Resistance: < 30 mΩ | Contacts: Phosphor Bronze |
| Insulation Resistance: > 100 MΩ | Contacts plating: Tin-lead over 1.27μm (50μin) Nickel |
| Operating Temperature: -25°C - +85°C | |

0.80mm (.031") Center spacing FFC/FPC Connector

- | | |
|---|---|
| Electrical Data- | Construction- |
| Current rating: 0.5 Amp max. | Insulator: Color Black, High temperature plastic |
| Dielectric Withstanding: 500 VAC for one minute | Flammability Rating: UL 94V-0 |
| Contact Resistance: < 20 mΩ | Contacts: Phosphor Bronze |
| Insulation Resistance: > 500 MΩ | Contacts plating: Tin-lead over 1.27μm (50μin) Nickel |
| Operating Temperature: -25°C - +85°C | |

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

- | | |
|---|--|
| Electrical Data- | Construction- |
| Current rating: 1 Amp max. | Insulator: Color Natural and Brown, High temperature plastic |
| Dielectric Withstanding: 500 VAC for one minute | Flammability Rating: UL 94V-0 |
| Contact Resistance: < 20 mΩ | Contacts: Phosphor Bronze |
| Insulation Resistance: > 500 MΩ | Contacts plating: Tin-lead over 1.27μm (50μin) Nickel |
| Operating Temperature: -25°C - +85°C | |

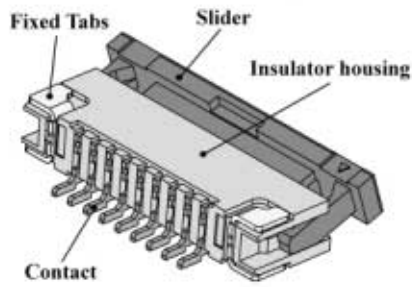
1.25mm (.049") Center spacing FFC/FPC Connector

- | | |
|---|--|
| Electrical Data- | Construction- |
| Current rating: 1 Amp max. | Insulator: Color Natural and Black, Glass filled polyester |
| Dielectric Withstanding: 500 VAC for one minute | Flammability Rating: UL 94V-0 |
| Contact Resistance: < 20 mΩ | Contacts: Phosphor Bronze |
| Insulation Resistance: > 500 MΩ | Contacts plating: Tin-lead over 1.27μm (50μin) Nickel |
| Operating Temperature: -40°C - +105°C | |

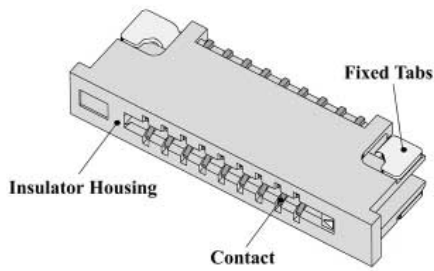
2.54mm (.100") Center spacing FFC/FPC Connector

- | | |
|--|---|
| Electrical Data- | Construction- |
| Current rating: 3 Amps max. | Insulator: Color Black, Glass filled polyester |
| Dielectric Withstanding: 1000 VAC for one minute | Flammability Rating: UL 94V-0 |
| Contact Resistance: < 20 mΩ | Contacts: Phosphor Bronze |
| Insulation Resistance: > 1000 MΩ | Contacts plating: Tin-lead over 1.27μm (50μin) Nickel |
| Operating Temperature: -40°C - +105°C | |

Construction of Connector

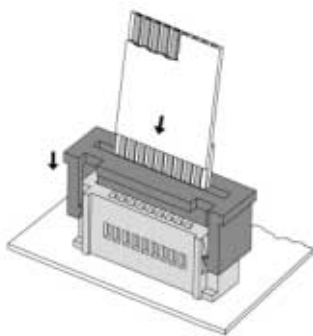


◎ Zero Insertion Force Type (ZIF)

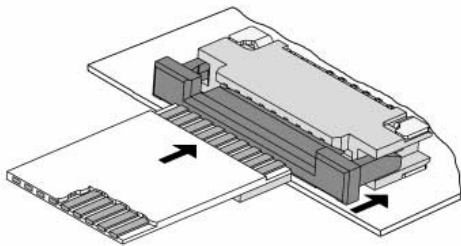


◎ Low Insertion Force Type (LIF)

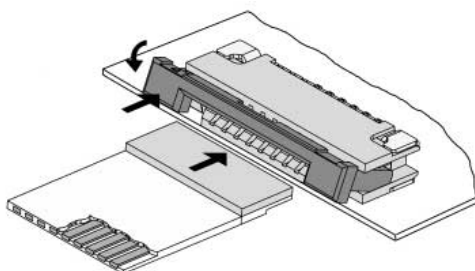
Applications



◎ Top Entry



◎ Side Entry to Upside Contact Connector

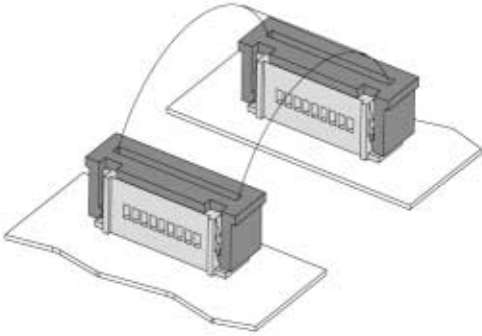


◎ Side Entry to Downside Contact Connector

Connection Combinations of Connector for FFC Cable

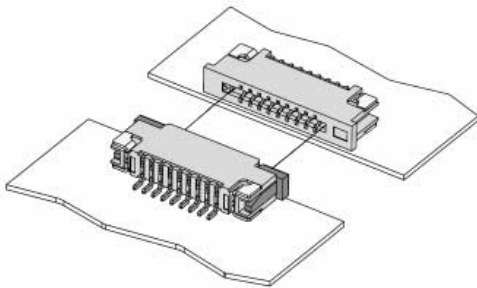
Both ends with Zero Insertion Force Type Connector

⊙ Top Entry to Top Entry



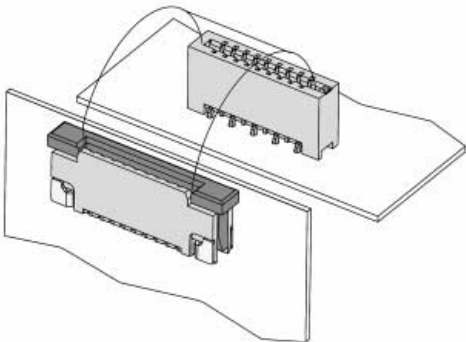
Low Insertion Force Connector to Zero Insertion Force Connector

⊙ Side Entry to Side Entry



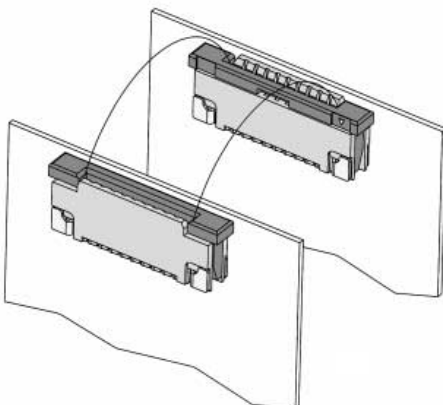
One end with Low Insertion Force Connector to Zero Insertion Force Connector at the other end

⊙ Top Entry to Side Entry



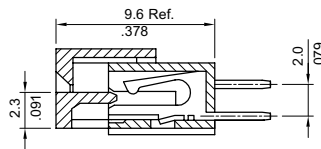
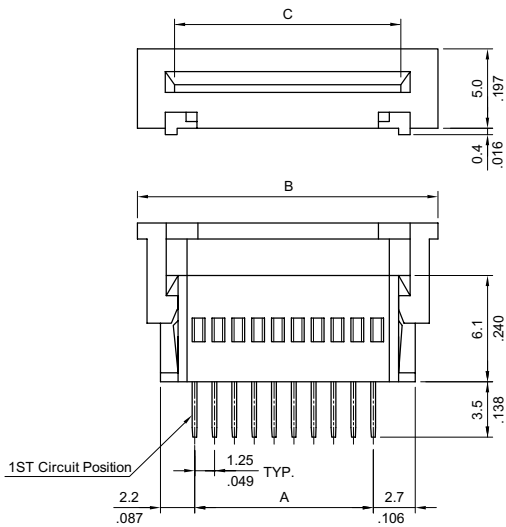
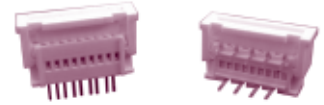
Both ends with Zero Insertion Force Connector

⊙ Side Entry to Side Entry

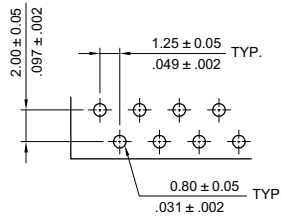


CF01 Series 1.25mm(.049") ZIF FFC/FPC Connectors

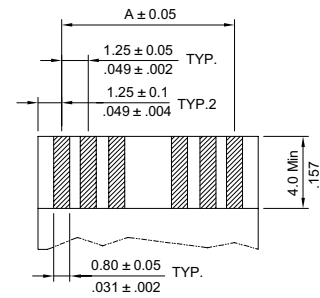
- ⊙ Standard with Tube packing
- ⊙ Tin-lead plated contact
- ⊙ Insulation: Glass filled polyester UL 94V-0, Color Nature
- ⊙ Accommodated 0.3mm FFC/FPC thickness



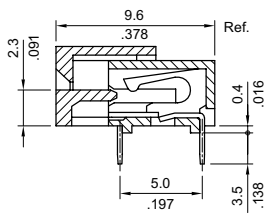
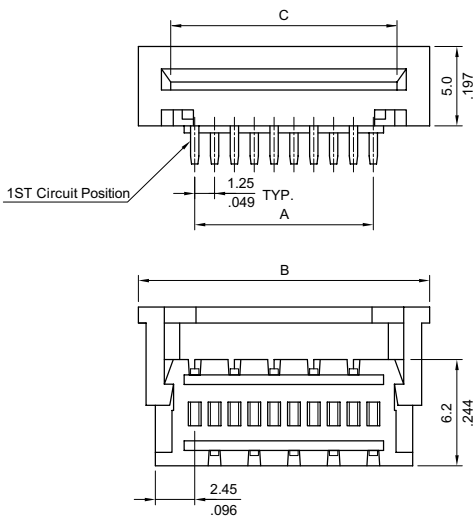
A = 1.25 x No. of Spaces
 B = A + 7.1
 C = A + 2.7
 * Available in 3 through 32 circuits



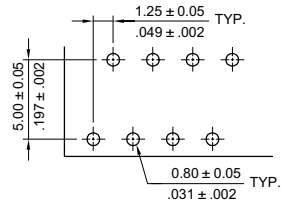
Recommended P.C. Board Layout



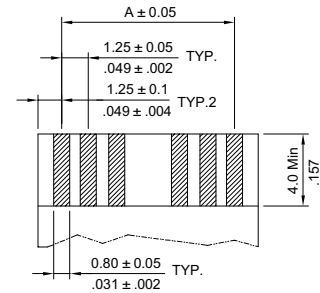
Accommodated FPC/FPC



A = 1.25 x No. of Spaces
 B = A + 7.1
 C = A + 2.7
 * Available in 3 through 32 circuits



Recommended P.C. Board Layout



Accommodated FPC/FPC

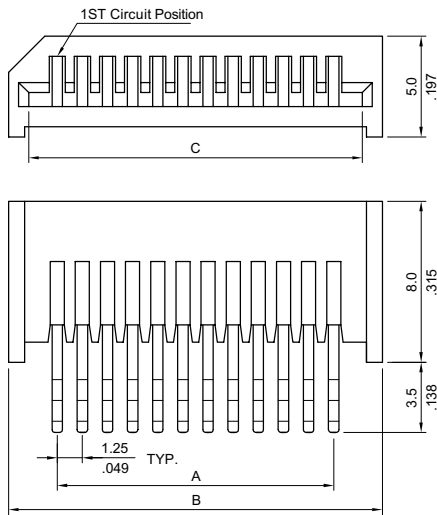
Ordering Code

① **CF01** ② **32** ③ **1** ④ **V** ⑤ **0** ⑥ **00**

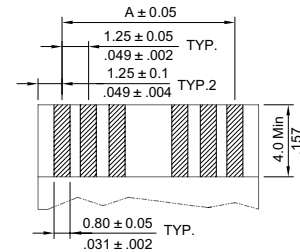
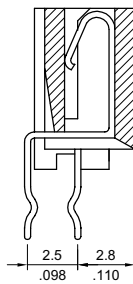
- ① Series No.
- ② Contacts : 03 to 32
- ③ Plating code:
1= Tin-lead over Nickel
- ④ Entry option:
V= Straight
H= Right angle
- ⑤ Color: 0= Nature
- ⑥ Other options:
00= Standard
* Special option Consult manufacturer

CF02 Series 1.25mm(.049") FFC/FPC Connectors

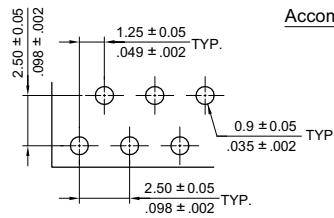
- ⊙ Standard with Tube packing
- ⊙ Tin-lead plated contact with kink tail
- ⊙ Insulation: Glass filled polyester UL 94V-0, Color Black
- ⊙ Accommodated 0.3mm FFC/FPC thickness



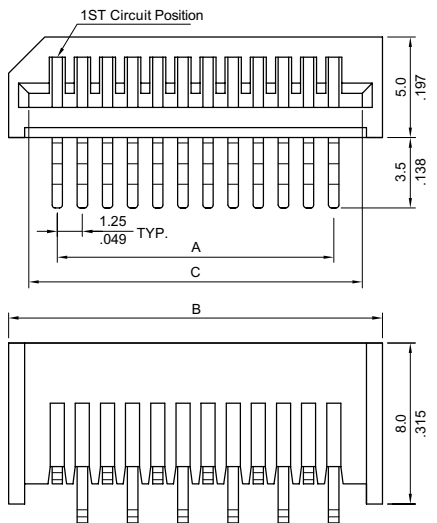
$A = 1.25 \times \text{No. of Spaces}$
 $B = A + 4.8$
 $C = A + 2.66$
 * Available in 4 through 36 circuits



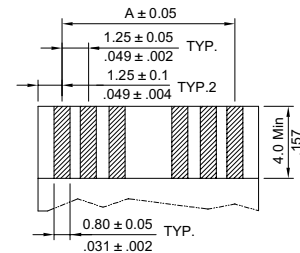
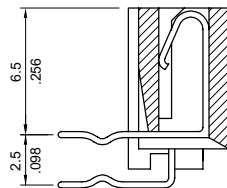
Accommodated FPC/FFC



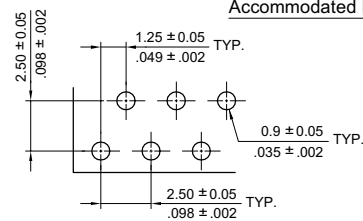
Recommended P.C. Board Layout



$A = 1.25 \times \text{No. of Spaces}$
 $B = A + 4.8$
 $C = A + 2.66$
 * Available in 4 through 36 circuits



Accommodated FPC/FFC



Recommended P.C. Board Layout

Ordering Code

① ② ③ ④ ⑤ ⑥
CF02 36 1 V 1 00

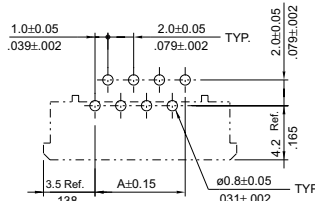
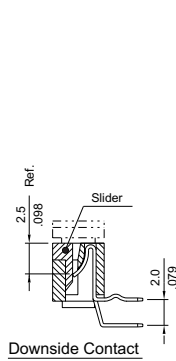
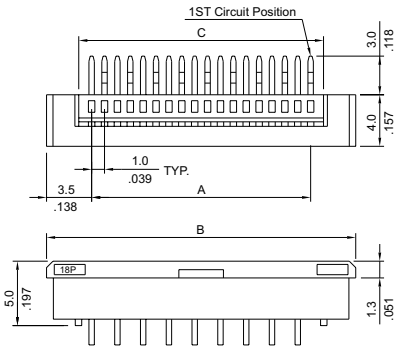
- ① Series No.
- ② Contacts : 04 to 36
- ③ Plating code:
1= Tin-lead over Nickel

- ④ Entry option:
V= Straight
H= Right angle
- ⑤ Color: 1= Black

- ⑥ Other options:
00= Standard
* Special option Consult manufacturer

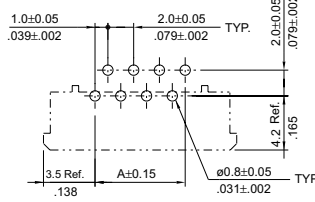
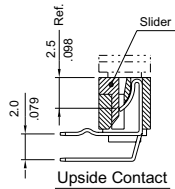
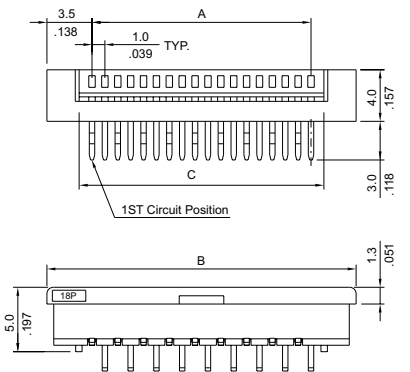
CF04 Series 1.00mm(.039") DIP ZIF FFC/FPC Connectors

- Standard with Tube packing
- Tin-lead plated contact
- Insulation: Glass filled Nylon 46 UL 94V-0, Color White
- Slider: Glass filled PPS UL 94V-0, Color Brown
- Options upside contact or downside contact for right angle version

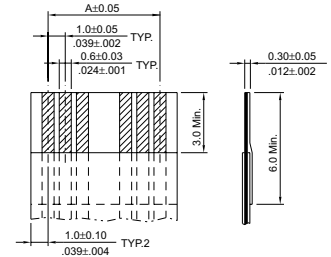


Recommended P.C. Board Layout

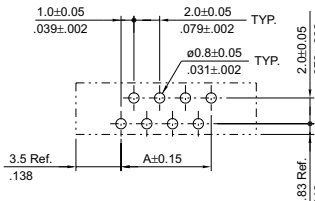
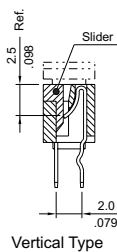
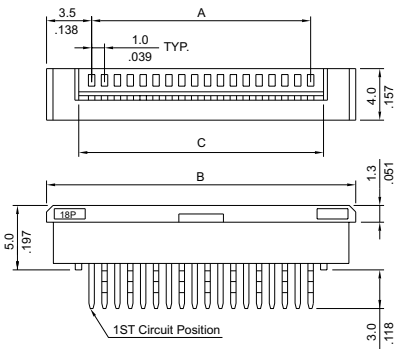
A = 1.00 x No. of Spaces
 B = A + 7.0
 C = A + 2.2
 * Available in 4 through 30 circuits



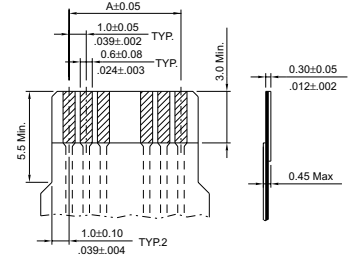
Recommended P.C. Board Layout



Accommodated FFC



Recommended P.C. Board Layout



Accommodated FFC

Ordering Code

1 **2** **3** **4** **5** **6** **7**
CF04 301H0D0

- 1 Series No.
- 2 Circuits : 04 to 30
- 3 Plating code:
1= Tin-lead over Nickel

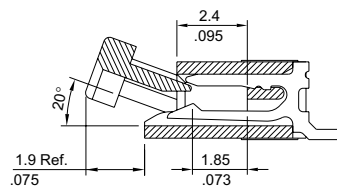
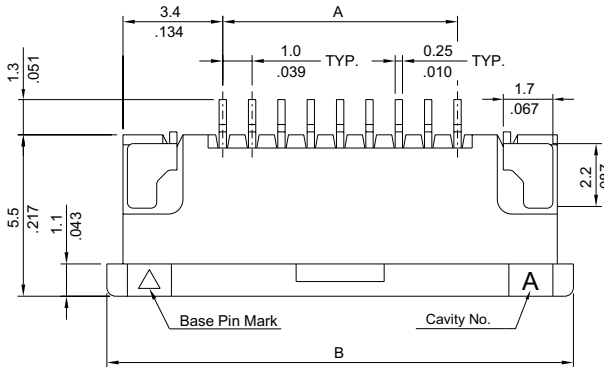
- 4 Entry option:
V= Top entry
H= Side entry
- 5 Color: 0= White

- 6 Contact style:
0= Vertical type
D= Downside contact (For Side entry)
U= Upside contact (For Side entry)

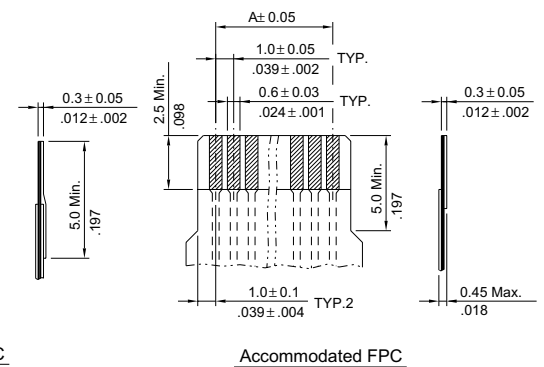
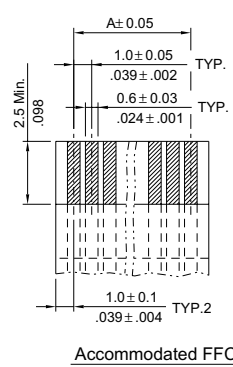
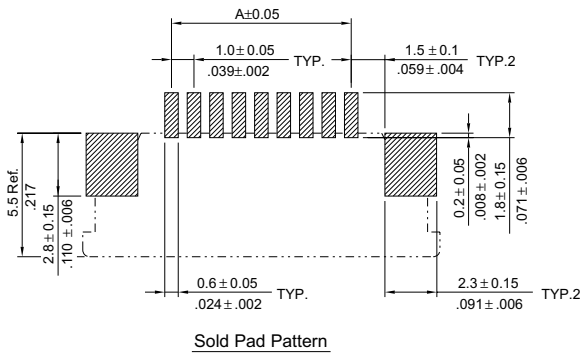
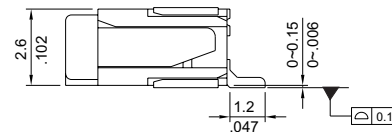
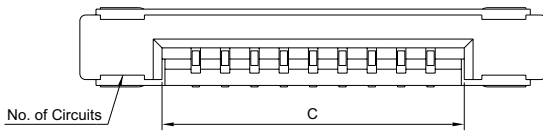
- 7 Other options:
0= Standard
* Special option Consult manufacturer

CF07 Series 1.00mm(.039") SMT ZIF FFC/FPC Downside Connectors

- Tin-lead plated Phosphor Bronze Downside contact
- Insulation: Glass filled Nylon 6T UL 94V-0, Color Nature
- Slider: High temperature plastic UL 94V-0, Color Brown
- Actuator designed easy for FFC/FPC installation
- Fully check by CCD and Hi-Pot test
- With fixed metal tabs to secure connector in place
- Available in Tube or Reel packing



A = 1.0 x No. of Spaces
 B = A + 8.0
 C = A + 2.3
 * Available in 4 through 32 circuits



Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦
CF07 32 1 D 0 R 0

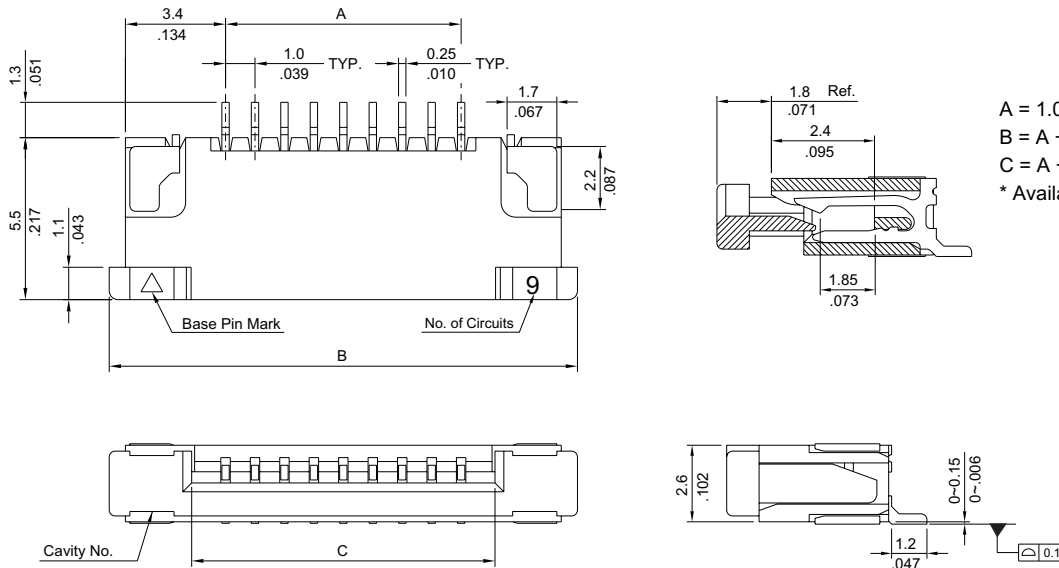
- ① Series No.
- ② Circuits : 04 to 32
- ③ Plating code:
1= Tin-lead over Nickel

- ④ Contact style:
D= Downside contact
- ⑤ Color: 0= Nature

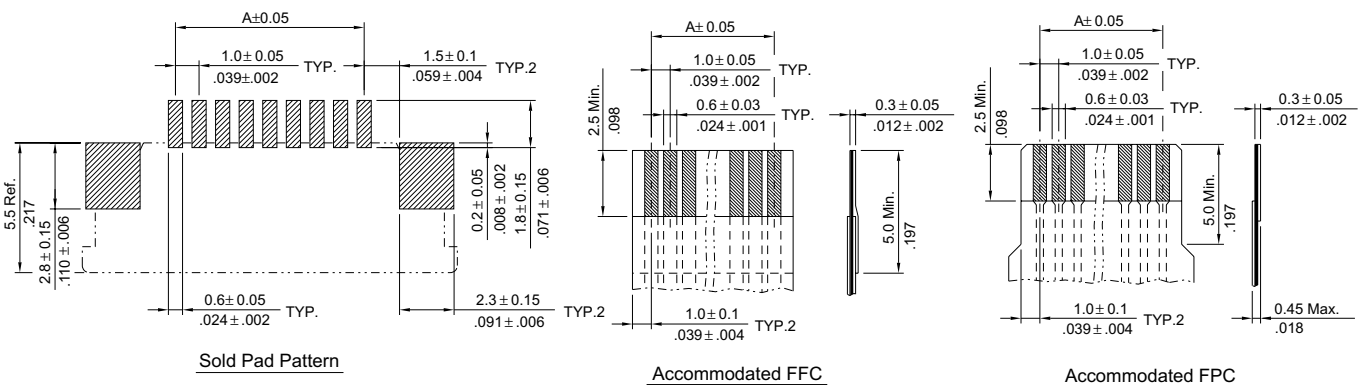
- ⑥ Packing options:
R= Tape & Reel
T= Tube Packing
- ⑦ Other options:
0= Standard
* Special option Consult manufacturer

CF07 Series 1.00mm(.039") SMT ZIF FFC/FPC Upside Connectors

- ⦿ Tin-lead plated Phosphor Bronze Upside contact
- ⦿ Insulation: Glass filled Nylon 6T UL 94V-0, Color Nature
- ⦿ Slider: High temperature plastic UL 94V-0, Color Brown
- ⦿ Actuator designed easy for FFC/FPC installation
- ⦿ Fully check by CCD and Hi-Pot test
- ⦿ With fixed metal tabs to secure connector in place
- ⦿ Available in Tube or Reel packing



A = 1.0 x No. of Spaces
 B = A + 8.0
 C = A + 2.3
 * Available in 4 through 32 circuits



Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦
CF07 32 1 U 0 R 0

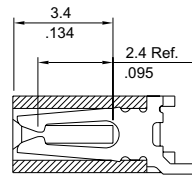
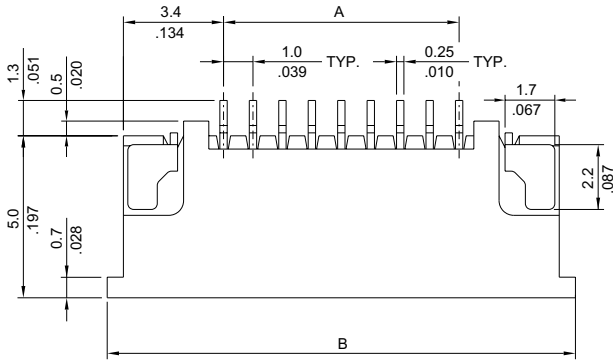
- ① Series No.
- ② Circuits : 04 to 32
- ③ Plating code:
1= Tin-lead over Nickel

- ④ Contact style:
U= Upside contact
- ⑤ Color: 0= Nature

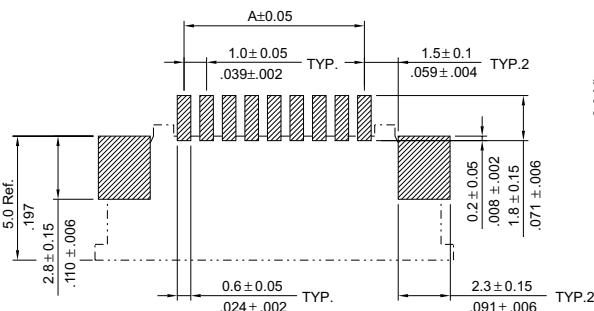
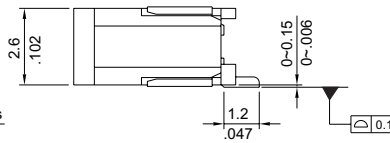
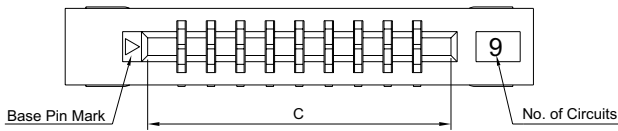
- ⑥ Packing options:
R= Tape & Reel
T= Tube Packing
- ⑦ Other options:
0= Standard
* Special option Consult manufacturer

CF08 Series 1.00mm(.039") SMT LIF FFC/FPC Connectors

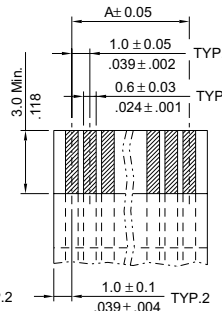
- ⊙ Tin-lead plated Phosphor Bronze Dual contact
- ⊙ Insulation: Glass filled Nylon 6T UL 94V-0, Color Brown
- ⊙ Low insertion force
- ⊙ Full check by CCD and Hi-Pot test
- ⊙ With fixed metal tabs to secure connector in place
- ⊙ Available in Tube or Reel packing



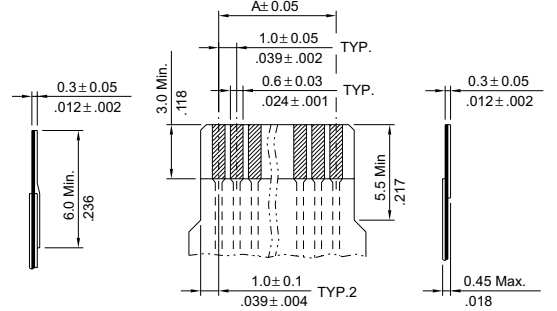
A = 1.00 x No. of Spaces
 B = A + 8.0
 C = A + 2.3
 * Available in 6 through 32 circuits



Sold Pad Pattern



Accommodated FFC



Accommodated FPC

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦
CF08 32 1 H 2 R 0

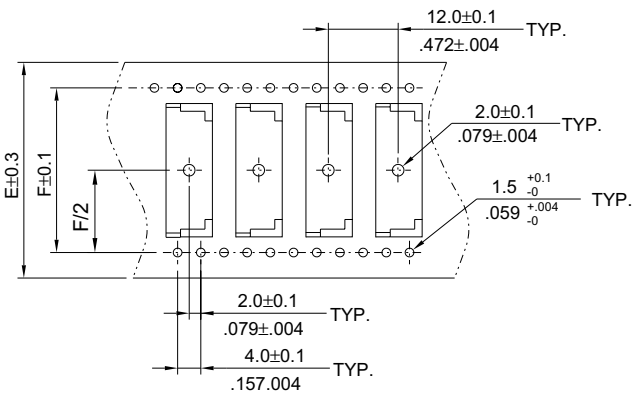
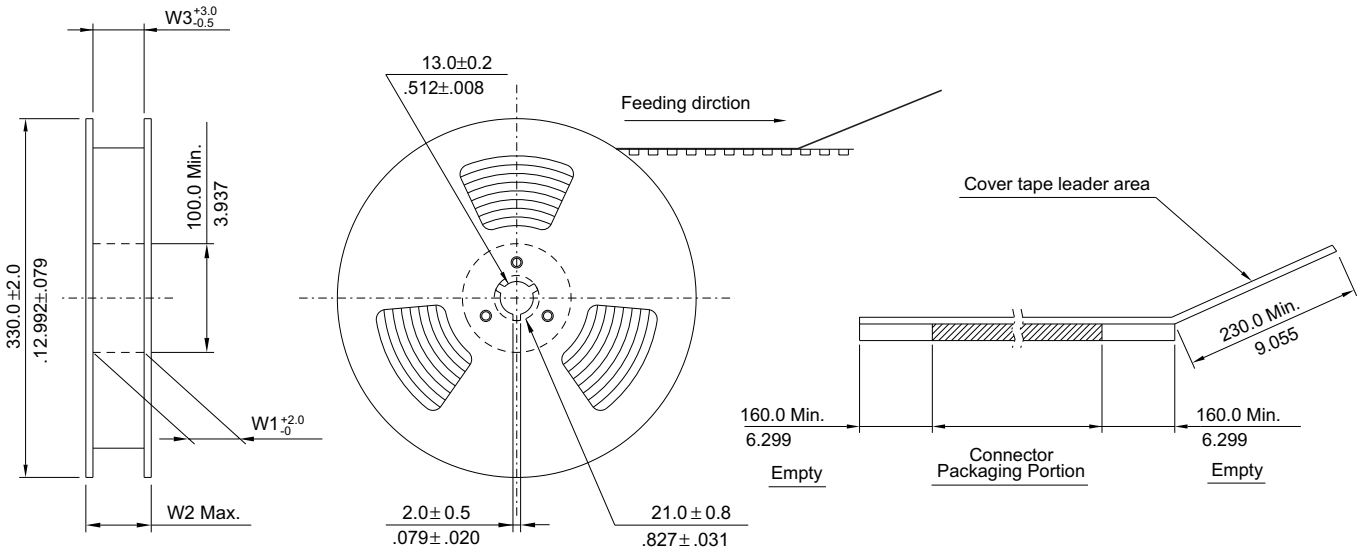
- ① Series No.
- ② Circuits : 06 to 32
- ③ Plating code:
1= Tin-lead over Nickel

- ④ Contact style:
H= Side entry
- ⑤ Color: 2= Brown

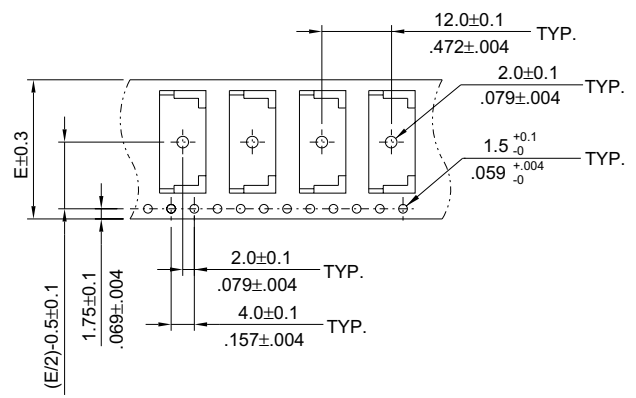
- ⑥ Packing options:
R= Tape & Reel
T= Tube Packing
- ⑦ Other options:
0= Standard
* Special option Consult manufacturer

CF07/CF08 Series Tape & Reel Packing

- ⊙ Reel Material: HIPS
- ⊙ Carrier Material: Black Conductive Polystyrene Alloy
- ⊙ Cover Tape Material: Polyester
- ⊙ Cover Tape Reel Strength: 0.1N~1.3N
- ⊙ Carrier camber is within 1mm in 100mm
- ⊙ All dimensions meet EIA-481-2 & EIA-481-3 requirements
- ⊙ Quantity: 2,000 PCS/Reel



Width : 32,44,56 mm Carrier

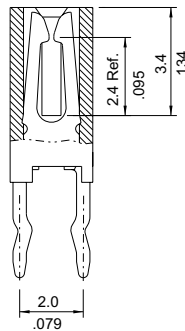
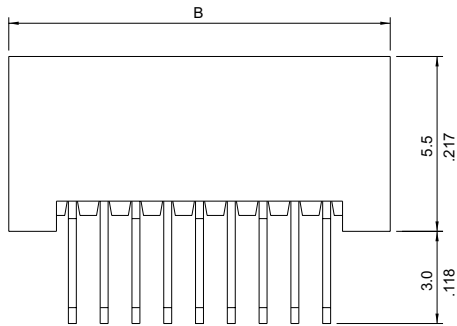
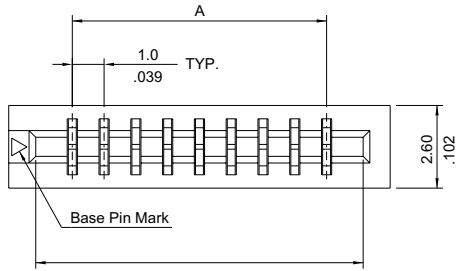
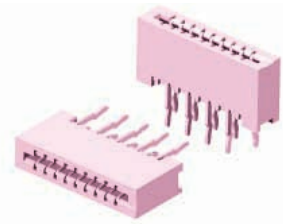


Width : 24 mm Carrier

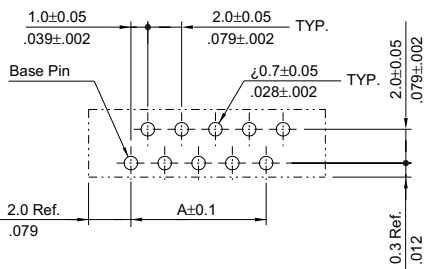
Circuits	Dimension				
	E	F	W1	W2	W3
4-9	24.0(.945)	-	24.4(.961)	30.4(1.197)	24.4(.961)
10-15	32.0(1.260)	28.4(1.118)	32.4(1.276)	38.4(1.512)	32.4(1.276)
16-26	44.0(1.732)	40.4(1.596)	44.4(1.748)	50.4(1.984)	44.4(1.748)
27-32	56.0(2.205)	52.4(2.063)	56.4(2.220)	62.4(2.457)	56.4(2.220)

CF09 Series 1.00mm(.039") DIP LIF FFC/FPC Connectors

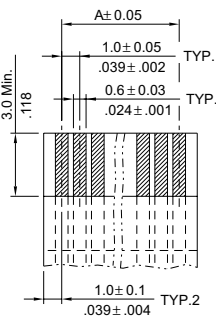
- ⊙ Tin-lead plated Phosphor Bronze Dual contact
- ⊙ Insulation: Glass filled Nylon 6T UL 94V-0, Color Brown
- ⊙ Low insertion force
- ⊙ Available in Tube packing



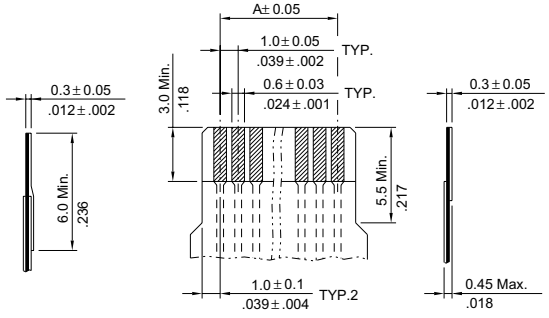
A = 1.00 x No. of Spaces
 B = A + 4.0
 C = A + 2.3
 * Available in 6 through 32 circuits



Recommended P.C. Board Layout



Accommodated FFC



Accommodated FPC

Ordering Code

① ② ③ ④ ⑤ ⑥
CF09 32 1 V 2 00

- ① Series No.
- ② Circuits : 06 to 32
- ③ Plating code:
1= Tin-lead over Nickel

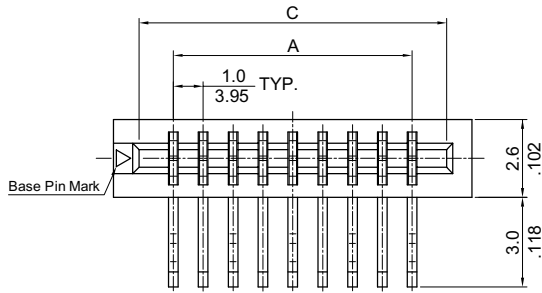
- ④ Contact style:
V= Top entry
- ⑤ Color: 2= Brown

- ⑥ Other options:
00= Standard
* Special option Consult manufacturer

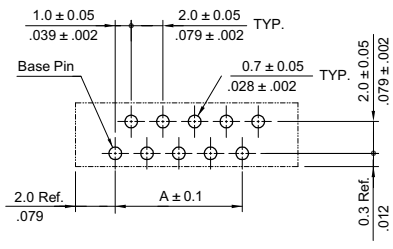
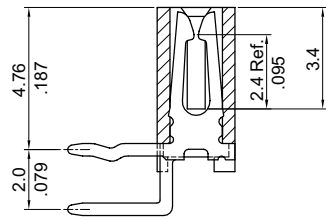
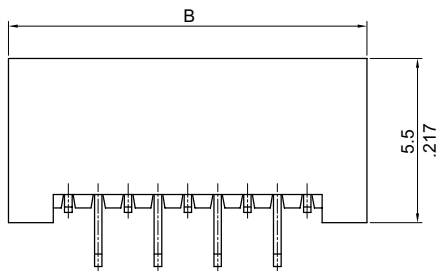
CF

CF09 Series 1.00mm(.039") DIP LIF FFC/FPC Connectors

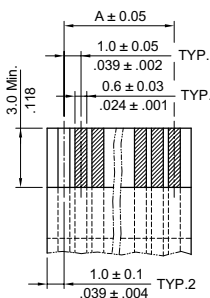
- ⊙ Tin-lead plated Phosphor Bronze Dual contact
- ⊙ Insulation: Glass filled Nylon 6T UL 94V-0, Color Brown
- ⊙ Low insertion force
- ⊙ Available in Tube packing



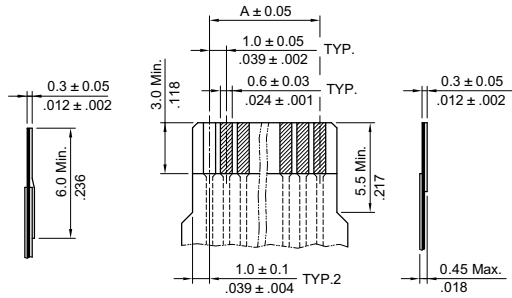
A = 1.0 x No. of Spaces
 B = A + 4.0
 C = A + 2.3
 * Available in 6 through 32 circuits



Recommended P.C. Board Layout



Accommodated FFC



Accommodated FPC

Ordering Code

1
 2
 3
 4
 5
 6
CF09
32
1
H
2
00

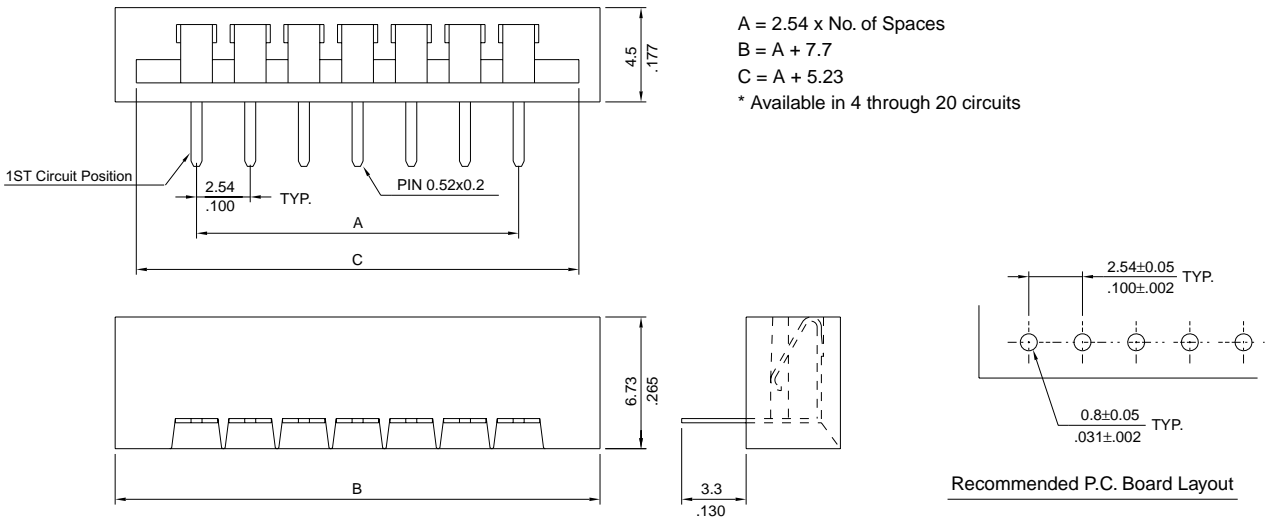
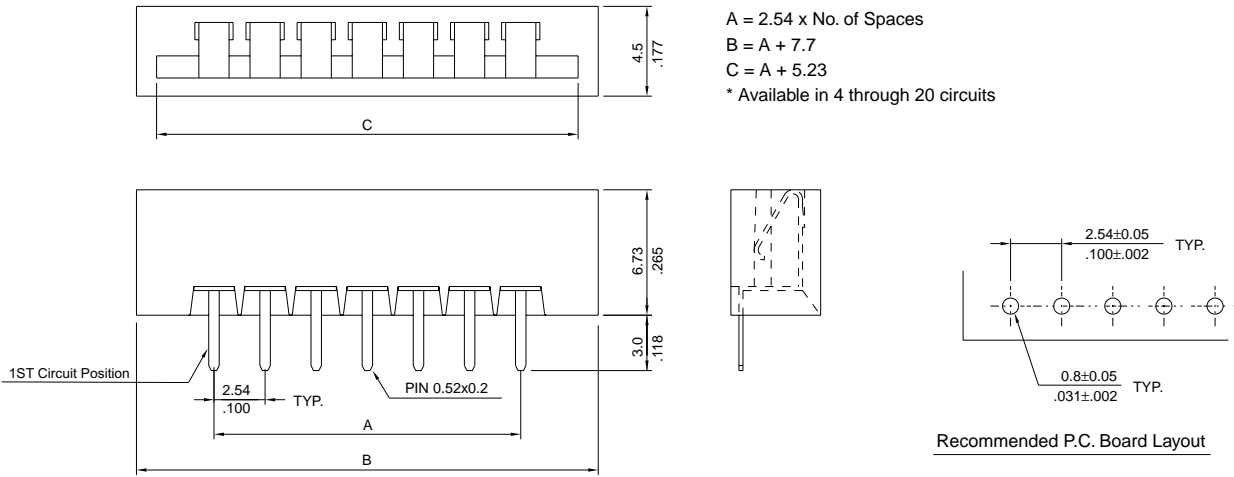
- ① Series No.
- ② Circuits : 06 to 32
- ③ Plating code:
1= Tin-lead over Nickel

- ④ Contact style:
H= Right angle
- ⑤ Color: 2= Brown

- ⑥ Other options:
00= Standard
* Special option Consult manufacturer

CF13 Series 2.54mm(.100") DIP LIF FFC/FPC Connectors

- ⊙ Standard with Tube packing
- ⊙ Low cost
- ⊙ Tin-lead plated contact
- ⊙ Insulation: Glass filled polyester UL 94V-0, Color Black
- ⊙ Accommodated 0.3mm FFC/FPC thickness



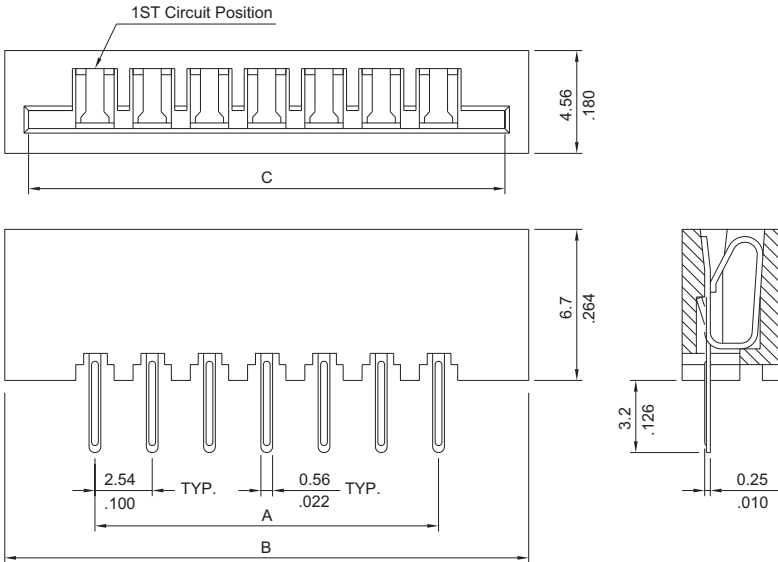
Ordering Code

1
CF13
2
20
3
1
4
V
5
100

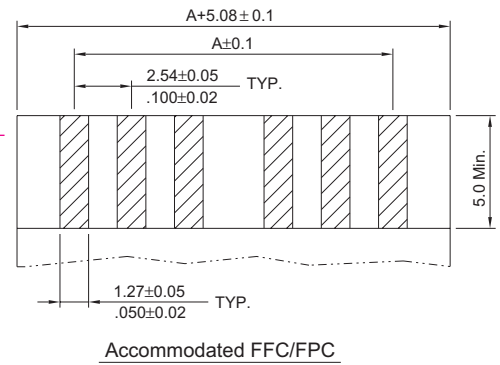
- ① Series No.
- ② Contacts : 04 to 20
- ③ Plating code: 1 = Tin-lead over Nickel
- ④ Entry options:
V= Top entry
H= Side entry
- ⑤ Other options:
100= Color Black (Standard)
* Special option Consult manufacturer

CF14 Series 2.54mm(.100") DIP LIF FFC/FPC Connectors

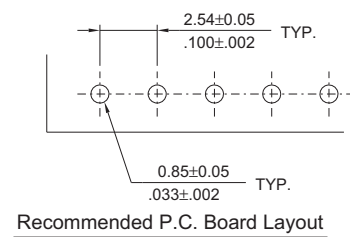
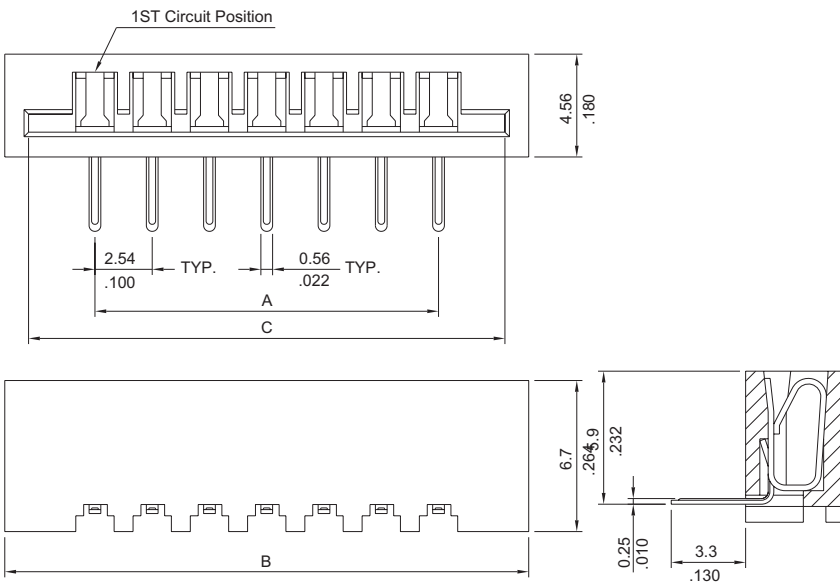
- ⊙ Standard with Tube packing
- ⊙ Dual contacts designed with Tin-lead plated
- ⊙ Insulation: Glass filled polyester UL 94V-0, Color Black
- ⊙ Accommodated 0.3mm FFC/FPC thickness



A = 2.54 x No. of Spaces
 B = A + 8.0
 C = A + 6.0
 * Available in 6 through 27 circuits



Accommodated FFC/FPC



Recommended P.C. Board Layout

Ordering Code

① **CF14** ② **27** ③ **1** ④ **V** ⑤ **100**

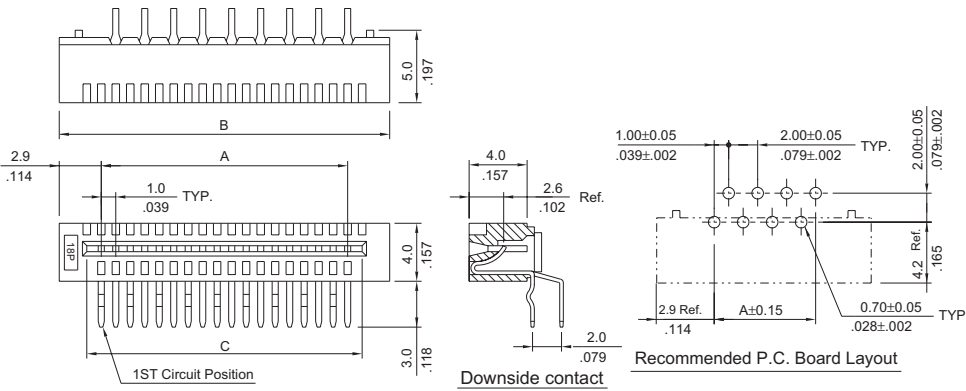
- ① Series No.
- ② Circuits : 06 to 27
- ③ Plating code:
1= Tin-lead over Nickel

- ④ Entry option:
V= Top entry
H= Side entry

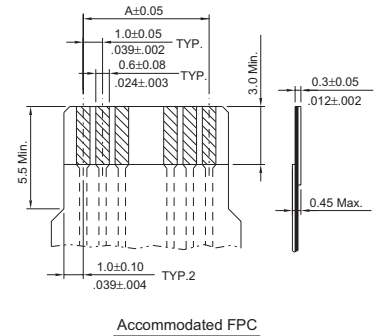
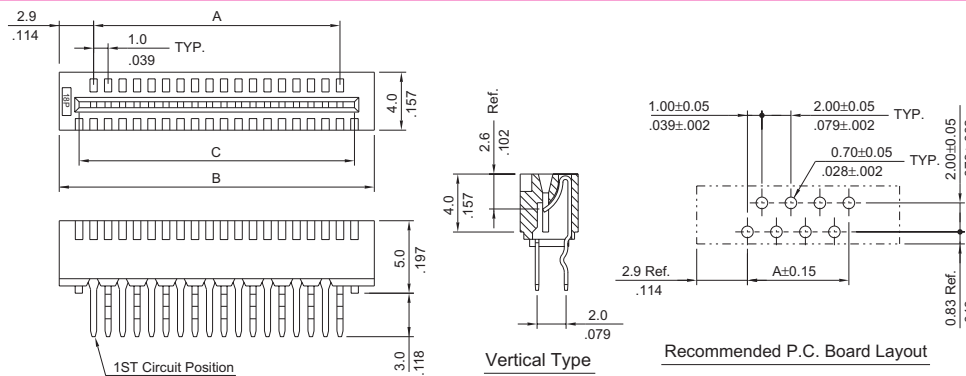
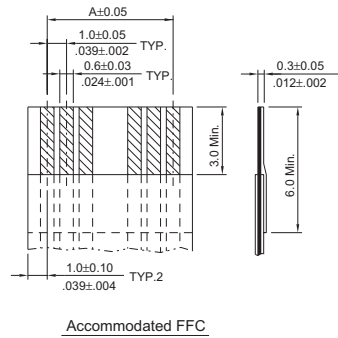
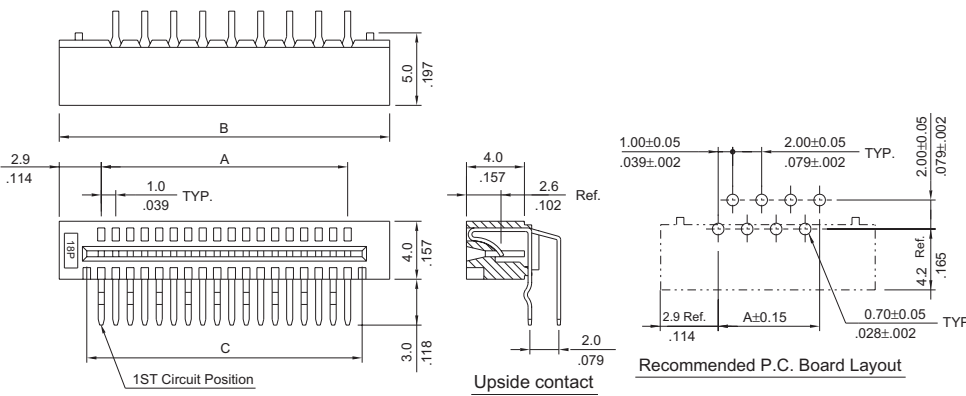
- ⑤ Other options:
100= Color Black(Standard)
* Special option Consult manufacturer

CF15 Series 1.00mm(.039") DIP LIF FFC/FPC Connectors

- ⊙ Standard with Tube packing
- ⊙ Tin-lead plated contact with solder tail
- ⊙ Insulation: Glass filled Nylon 46 UL 94V-0, Color White
- ⊙ Accommodated 0.3mm FFC/FPC thickness
- ⊙ Options upside contact or downside contact for right angle version



A = 1.00 x No. of Spaces
 B = A + 5.8
 C = A + 2.2
 * Available in 4 through 32 circuits



Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦
CF15 32 1 H 0 D 0

- ① Series No.
- ② Circuits : 04 to 32
- ③ Plating code:
1= Tin-lead over Nickel

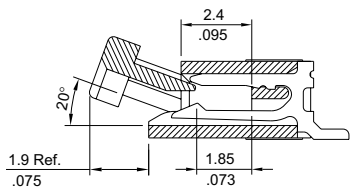
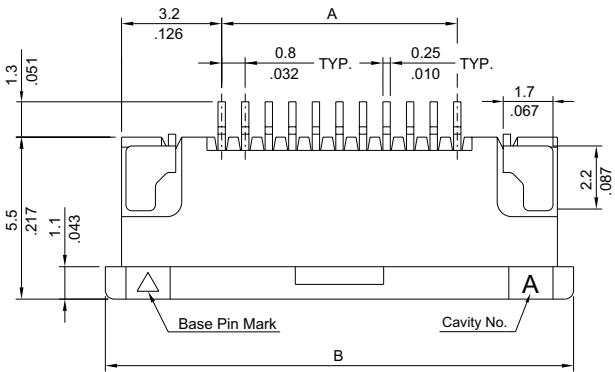
- ④ Entry option:
V= Top entry
H= Side entry
- ⑤ Color: 0= White

- ⑥ Contact style:
0= Vertical type
D= Downside contact (For Side entry)
U= Upside contact (For Side entry)

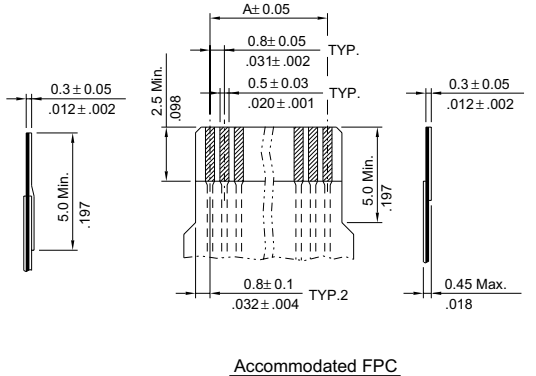
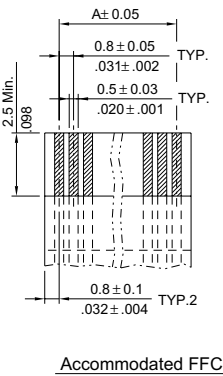
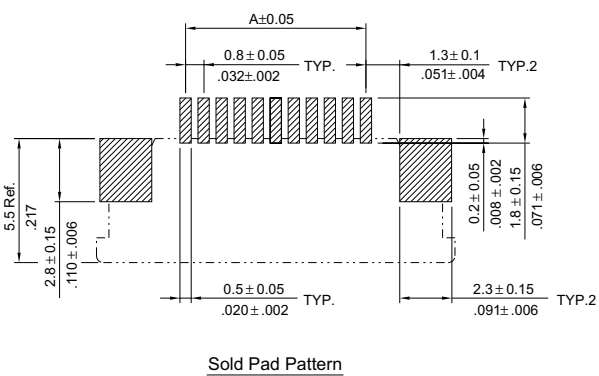
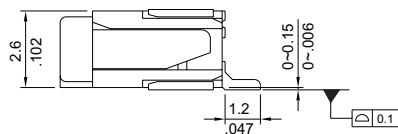
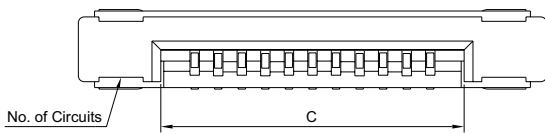
- ⑦ Other options:
0= Standard
* Special option Consult manufacturer

CF17 Series 0.80mm(.031") SMT ZIF FFC/FPC Downside Connectors

- Tin-lead plated Phosphor Bronze Downside contact
- Insulation: Glass filled Nylon 6T UL 94V-0, Color Black
- Slider: High temperature plastic UL 94V-0, Color Black
- Actuator designed easy for FFC/FPC installation
- Fully check by CCD and Hi-Pot test
- With fixed metal tabs to secure connector in place
- Available in Tube or Reel packing



A = 0.8 x No. of Spaces
 B = A + 7.6
 C = A + 1.9
 * Available in 6 through 32 circuits



Ordering Code

1
2
3
4
5
6
7

CF 1 7 3 2 1 D 1 R 0

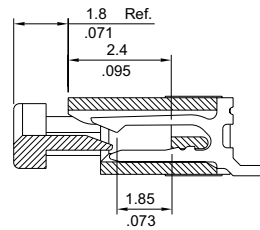
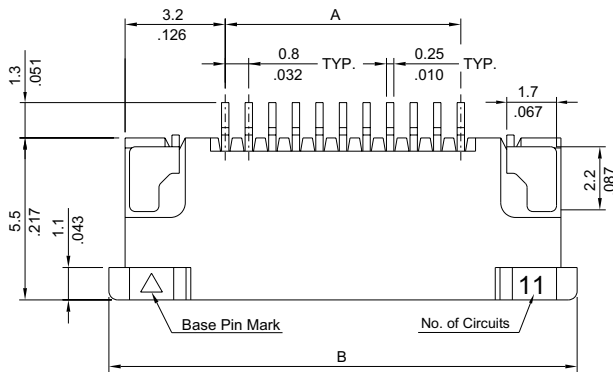
- 1** Series No.
- 2** Circuits : 06 to 32
- 3** Plating code:
1= Tin-lead over Nickel

- 4** Contact style:
D= Downside contact
- 5** Color: 1= Black

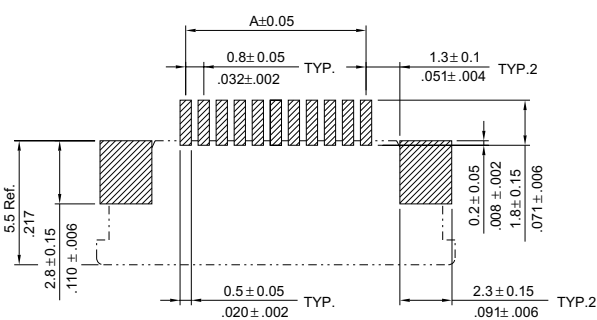
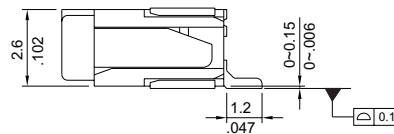
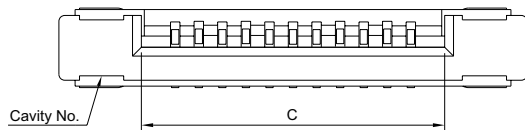
- 6** Packing options:
R= Tape & Reel
T= Tube Packing
- 7** Other options:
0= Standard
* Special option Consult manufacturer

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

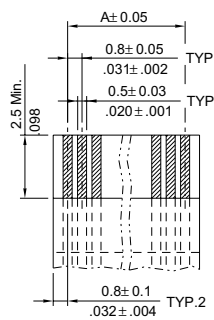
- Tin-lead plated Phosphor Bronze Upside contact
- Insulation: Glass filled Nylon 6T UL 94V-0, Color Black
- Slider: High temperature plastic UL 94V-0, Color Black
- Actuator designed easy for FFC/FPC installation
- Fully check by CCD and Hi-Pot test
- With fixed metal tabs to secure connector in place
- Available in Tube or Reel packing



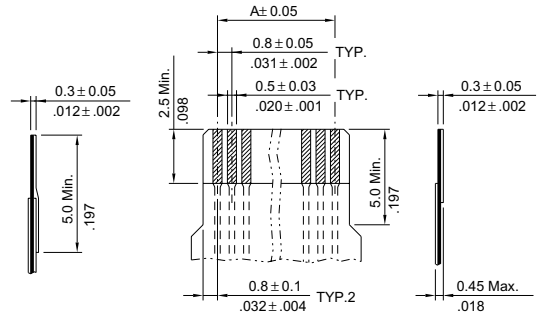
A = 0.80 x No. of Spaces
 B = A + 7.6
 C = A + 1.9
 * Available in 6 through 32 circuits



Solder Pad Pattern



Accommodated FFC



Accommodated FPC

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦
CF17 32 1 U 1 R 0

- ① Series No.
- ② Circuits : 06 to 32
- ③ Plating code:
1= Tin-lead over Nickel

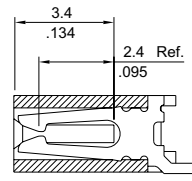
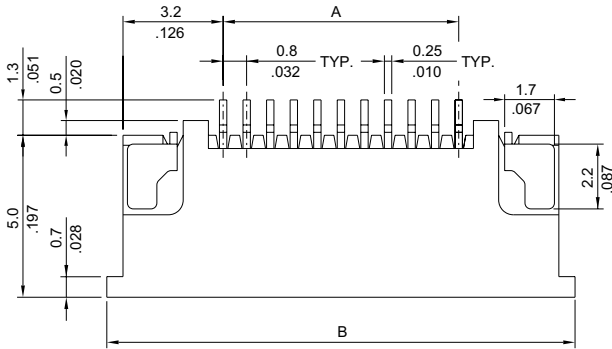
- ④ Contact style:
U= Upside contact
- ⑤ Color: 1= Black

- ⑥ Packing options:
R= Tape & Reel
T= Tube Packing
- ⑦ Other options:
0= Standard
* Special option Consult manufacturer

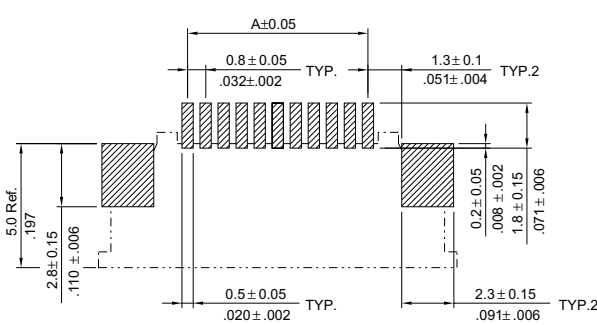
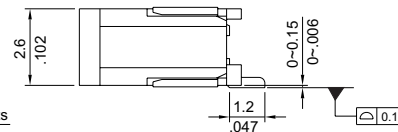
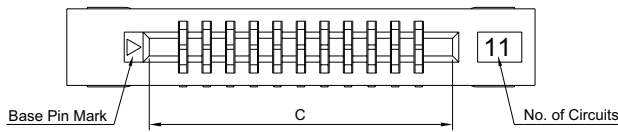
CF

CF18 Series 0.80mm(.031") SMT LIF FFC/FPC Connectors

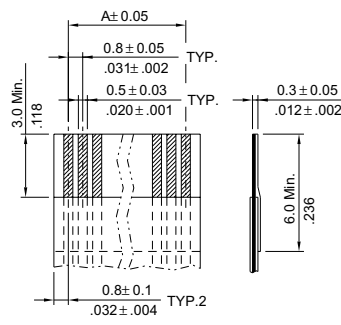
- ⊙ Tin-lead plated Phosphor Bronze Dual contact
- ⊙ Insulation: Glass filled Nylon 6T UL 94V-0, Color Black
- ⊙ Low insertion force
- ⊙ Fully check by CCD and Hi-Pot test
- ⊙ With fixed metal tabs to secure connector in place
- ⊙ Available in Tube or Reel packing



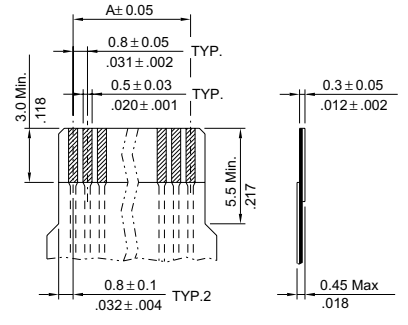
A = 0.80 x No. of Spaces
 B = A + 7.6
 C = A + 1.9
 * Available in 6 through 32 circuits



Sold Pad Pattern



Accommodated FFC



Accommodated FPC

Ordering Code

① ② ③ ④ ⑤ ⑥ ⑦
CF18 32 1 H 1 R 0

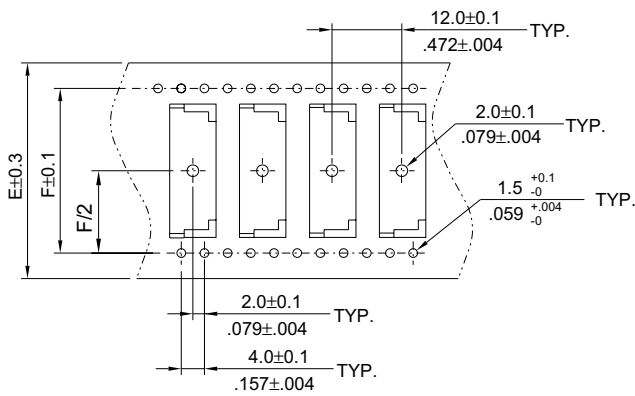
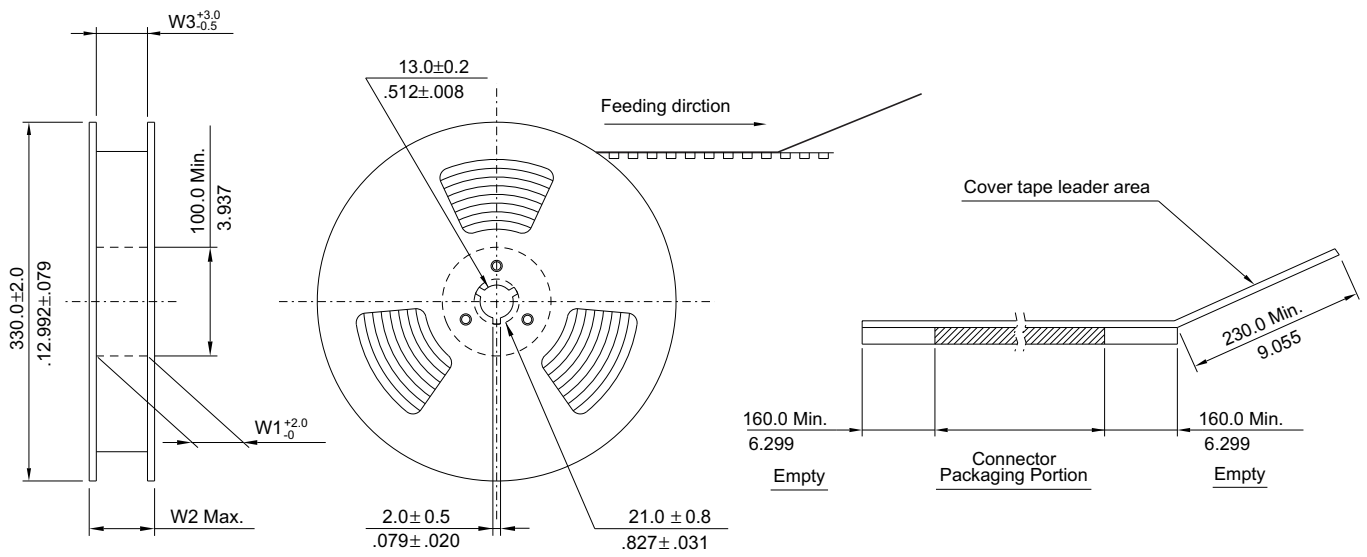
- ① Series No.
- ② Circuits : 06 to 32
- ③ Plating code:
1= Tin-lead over Nickel

- ④ Contact style:
H= Side contact
- ⑤ Color: 1= Black

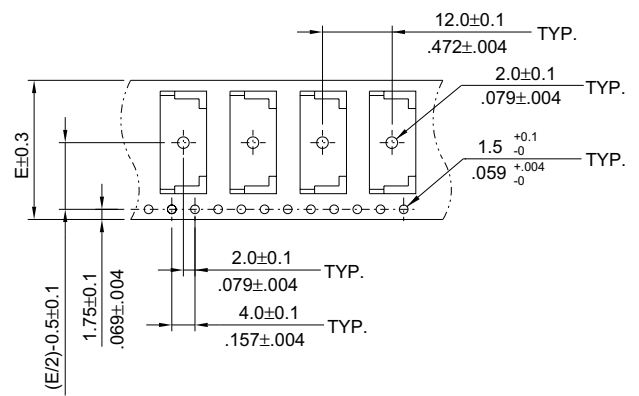
- ⑥ Packing options:
R= Tape & Reel
T= Tube Packing
- ⑦ Other options:
0= Standard
* Special option Consult manufacturer

CF17/CF18 Series Tape & Reel Packing

- Reel Material: HIPS
- Carrier Material: Black Conductive Polystyrene Alloy
- Cover Tape Material: Polyester
- Cover Tape Reel Strength: 0.1N~1.3N
- Carrier camber is within 1mm in 100mm
- All dimensions meet EIA-481-2 & EIA-481-3 requirements
- Quantity: 2,000 PCS/Reel



Width : 32,44 mm Carrier

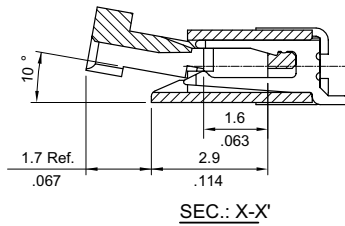
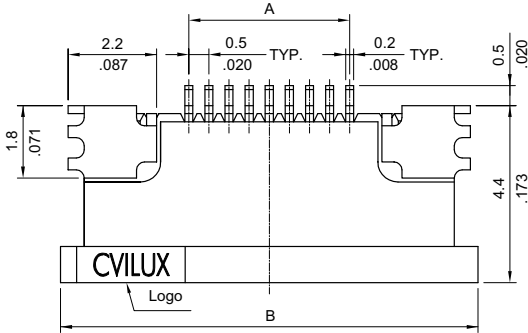


Width : 24 mm Carrier

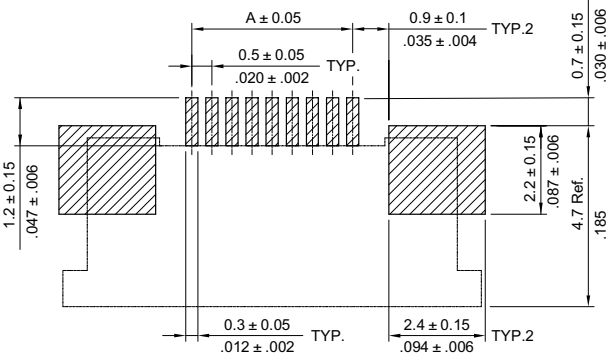
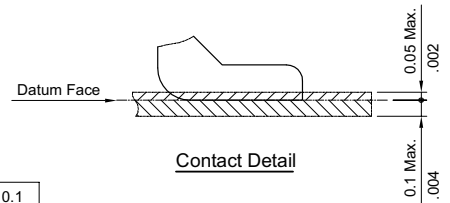
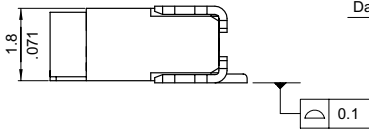
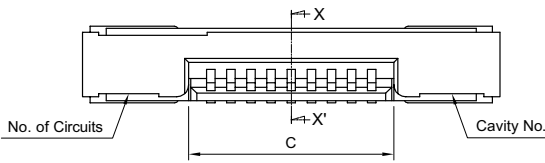
Circuits	Dimension				
	E	F	W1	W2	W3
6-11	24.0(.945)	-	24.4(.961)	30.4(1.197)	24.4(.961)
12-19	32.0(1.260)	28.40(1.118)	32.4(1.276)	38.4(1.512)	32.4(1.276)
20-32	44.0(1.732)	40.40(1.596)	44.4(1.748)	50.4(1.984)	44.4(1.748)

CF21 Series 0.50mm(.020") SMT ZIF FFC/FPC Downside Connectors

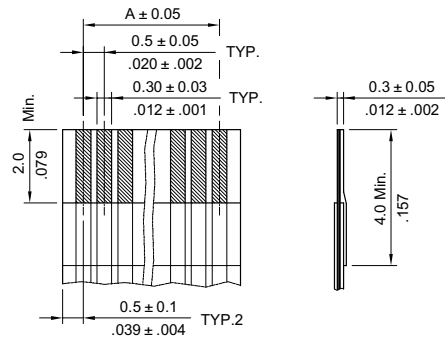
- ⦿ Tin-lead plated Phosphor Bronze Downside contact
- ⦿ Insulation: High temperature plastic UL 94V-0, Color Nature
- ⦿ Slider: High temperature plastic UL 94V-0, Color Brown
- ⦿ Actuator designed easy for FFC/FPC installation
- ⦿ Fully check by CCD and Hi-Pot test
- ⦿ With fixed metal tabs to secure connector in place
- ⦿ Available in Tube or Reel packing



A = 0.50 x No. of Spaces
 B = A + 6.4
 C = A + 1.1
 * Available in 6 through 50 circuits



Sold Pad Pattern



Accommodated FFC/FPC

Ordering Code

1 **2** **3** **4** **5** **6**
CF 2 1 5 0 1 D 0 R 0

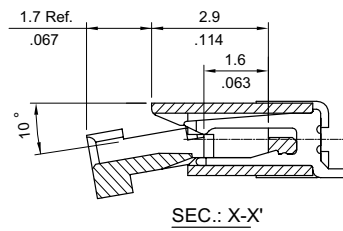
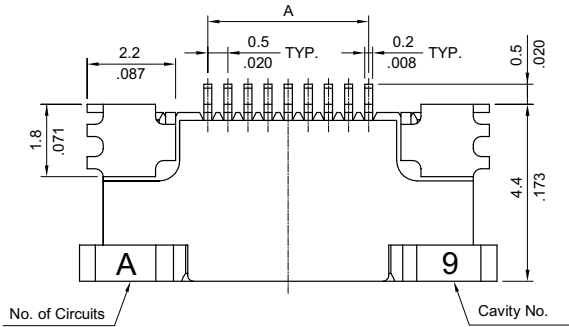
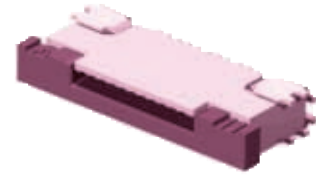
- 1** Series No.
- 2** Circuits : 06 to 50
- 3** Plating code:
1= Tin-lead over Nickel

- 4** Contact style:
D= Downside contact
- 5** Color: 0 = Nature

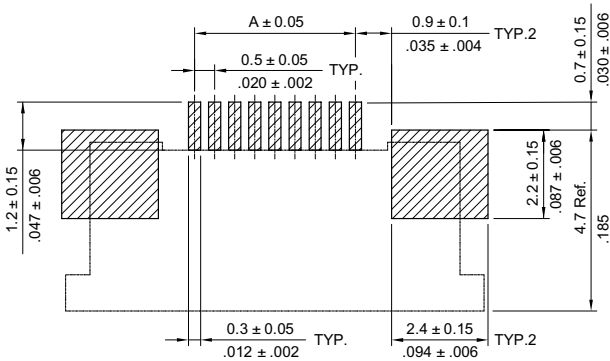
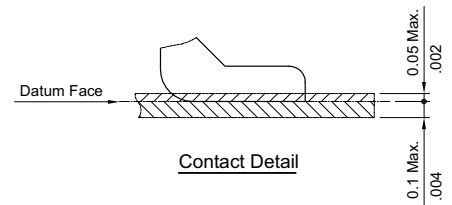
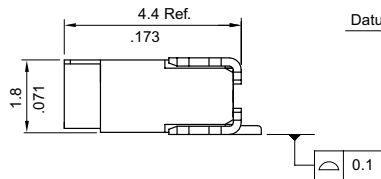
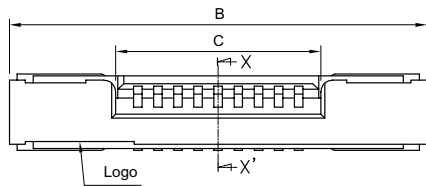
- 6** Other options:
R0 = Tape & Reel
T0 = Tube Packing
* Special option Consult manufacturer

CF21 Series 0.50mm(.020") SMT ZIF FFC/FPC Upside Connectors

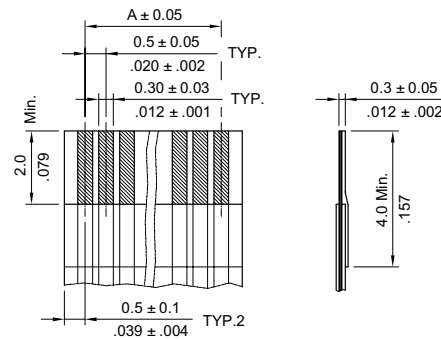
- ⊙ Tin-lead plated Phosphor Bronze Upside contact
- ⊙ Insulation: High temperature plastic UL 94V-0, Color Nature
- ⊙ Slider: High temperature plastic UL 94V-0, Color Brown
- ⊙ Actuator designed easy for FFC/FPC installation
- ⊙ Fully check by CCD and Hi-Pot test
- ⊙ With fixed metal tabs to secure connector in place
- ⊙ Available in Tube or Reel packing



A = 0.50 x No. of Spaces
 B = A + 6.4
 C = A + 1.1
 * Available in 6 through 50 circuits



Sold Pad Pattern



Accommodated FFC/FPC

Ordering Code

① ② ③ ④ ⑤ ⑥
CF 2 1 5 0 1 U 0 R 0

- ① Series No.
- ② Circuits : 06 to 20
- ③ Plating code:
1= Tin-lead over Nickel

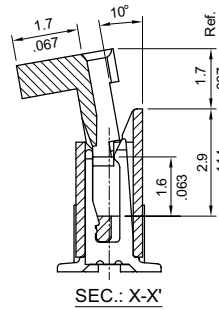
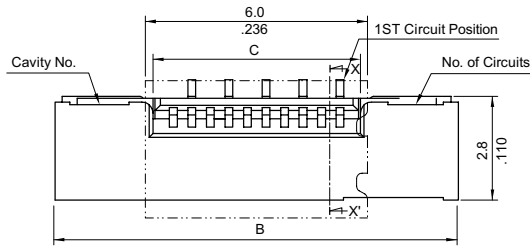
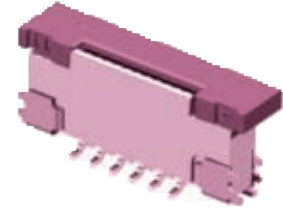
- ④ Contact style:
U= Upside contact
- ⑤ Color: 0 = Nature

- ⑥ Other options:
R0 = Tape & Reel
T0 = Tube Packing
* Special option Consult manufacturer

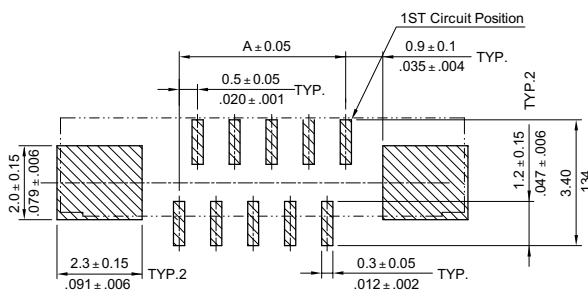
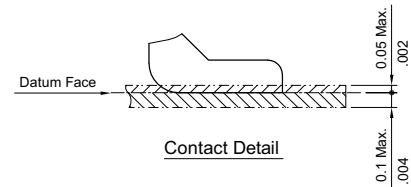
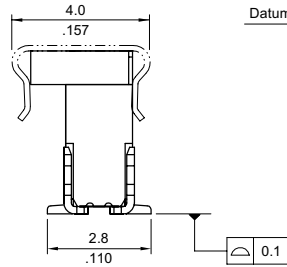
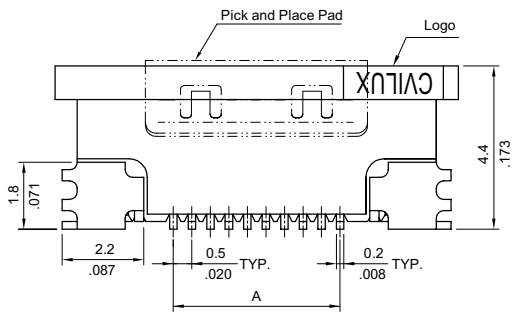
CF

CF21 Series 0.50mm(.020") SMT ZIF FFC/FPC Vertical Type Connectors

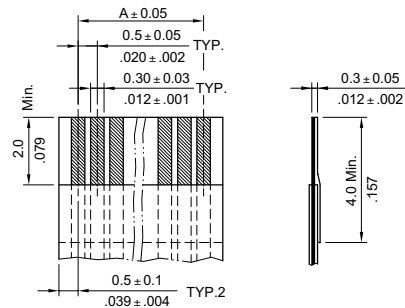
- ⊙ Tin-lead plated Phosphor Bronze Vertical Type
- ⊙ Insulation: High temperature plastic UL 94V-0, Color Nature
- ⊙ Slider: High temperature plastic UL 94V-0, Color Brown
- ⊙ Actuator designed easy for FFC/FPC installation
- ⊙ Fully check by CCD and Hi-Pot test
- ⊙ With fixed metal tabs to secure connector in place
- ⊙ Available in Tube or Reel packing



A = 0.50 x No. of Spaces
 B = A + 6.4
 C = A + 1.1
 * Available in 6 through 50 circuits



Sold Pad Pattern



Accommodated FFC/FPC

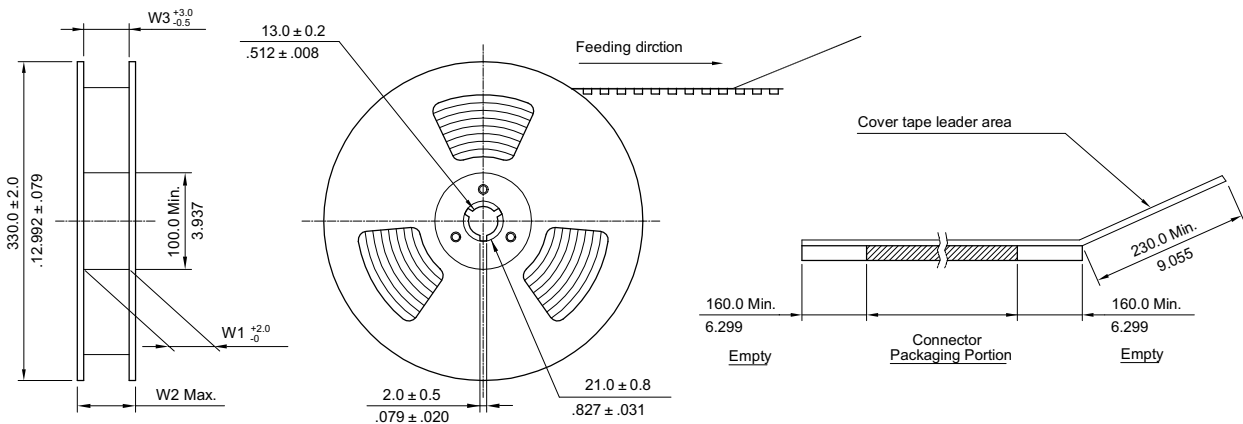
Ordering Code

① CF 21 ② 50 ③ 1 ④ V ⑤ 0 ⑥ R ⑦ 0

- ① Series No.
- ② Circuits : 06 to 50
- ③ Plating code:
1= Tin-lead over Nickel
- ④ Contact style:
V= Vertical Type
- ⑤ Color: 0 = Nature
- ⑥ Packing Type:
R= Tape & Reel
T= Tube Packing
- ⑦ Other options:
0= Without Pick and Place Pad(Standard)
P= With Pick and Place Pad
* Special option Consult manufacturer

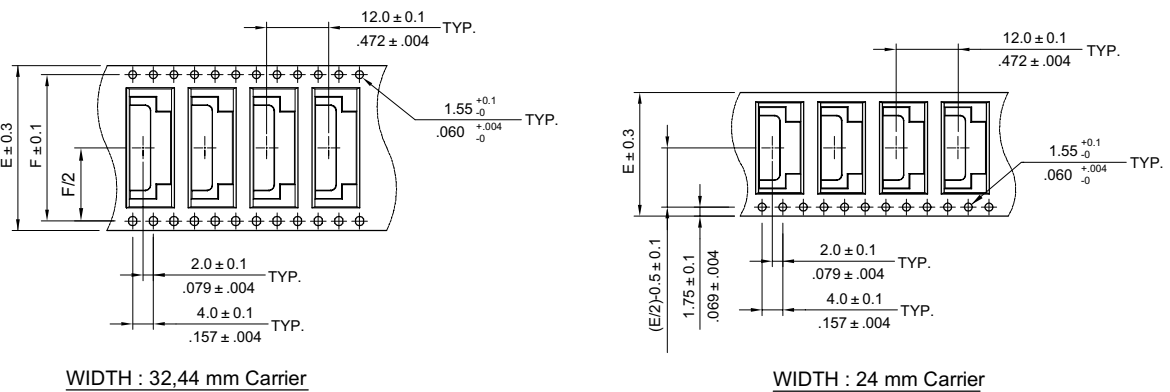
CF21 Series Tape & Reel Packing

- ⊙ Reel Material: HIPS
- ⊙ Carrier Material: Color Nature(Clear), Conductive Polystyrene Alloy
- ⊙ Cover Tape Material: Polyester
- ⊙ Cover Tape Reel Strength: 0.1N~1.3N
- ⊙ Carrier Camber is within 1mm in 100mm
- ⊙ All dimensions meet EIA-481-2 & EIA-481-3 requirment



Circuits	Dimension					Packing (Reel/Catlon)
	E	F	W1	W2	W3	
6-22	24.0(.945)	-	24.5(.965)	30.5(1.200)	24.5(.965)	9
23-32	32.0(1.260)	28.4(1.118)	32.5(1.280)	38.5(1.516)	32.5(1.280)	7
33-50	44.0(1.732)	40.4(1.596)	44.5(1.752)	50.5(1.988)	44.5(1.752)	5

Side Entry Type
Quantity : 2,000 PCS/Reel



Top Entry Type
Quantity : 1,000 PCS/Reel

