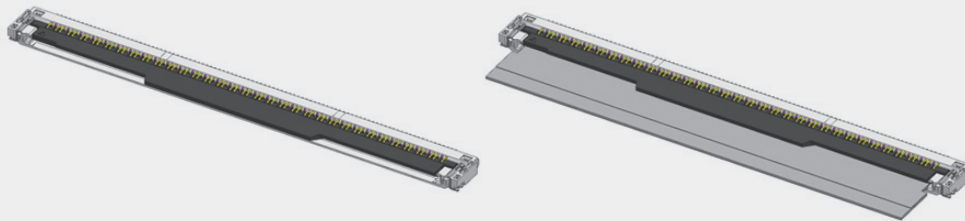


FPC/FFC Connectors (Display)

FB

Applications | Mobile device, Display, PC

- ▶ Suitable for Space-saving design
- ▶ Reliable 2-point Signal contact design
- ▶ Applicable for FPC/FFC thickness is $0.30\pm0.05\text{mm}$

Code & Specification

Mating Size / Unit : (mm)

Product Code	Pitch (mm)	No. of Contacts	Width (mm)	Height (mm)	Length	Remark
FF050-O96B-C15-A	0.5	96	5.20	1.50	54.10	-

Rated Current	Contact Resistance	Withstanding Voltage	Temperature Range
0.5 A Max.	40mΩ (Max.)	AC 250V	-20°C ~ 85°C

FPC/FFC Connectors (Display)



Applications | Mobile device, Display, PC

Product Specification

Ratings	Rated current	0.5A Max.	Operating temperature range	-20°C to +85°C	Storage temperature range	15°C to 35°C
	Rated voltage	50V r.m.s	Operating humidity range	85%RH Max. 2	Storage humidity range	65%RH

1) Including terminal temperature rise.

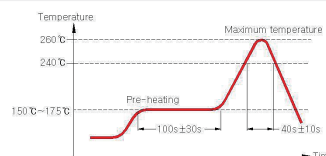
2) Storage area is to be free of corrosive gases and dew formation.

Applicable FPC/FFC Specification T=0.30±0.05mm, Gold Plated

Items	Specifications	Conditions
1. Contact resistance	40mΩ Max.	Open circuit voltage : 20mV Max.
2. Insulation resistance	50MΩ Min.	Test voltage : 100V D.C.
3. Withstanding voltage	No flashover or dielectric breakdown	AC 250V for 1minute
4. Durability	No damage or mechanical defect Contact resistance : 60mΩ Max.	Number of cycles : 20 cycles.
5. Vibration	No damage or mechanical defect Contact resistance : 60mΩ Max.	Amplitude : 1.5mm Test current : DC 100mA Frequency : 10~55~10Hz Duration : X,Y,Z axis each 2 hours.
6. Hige Temperature	No damage or mechanical defect Contact resistance : 60mΩ Max. No flashover or dielectric breakdown	Temperature : 85°C±2°C Duration : 96hr
7. Cold	No damage or mechanical defect Contact resistance : 60mΩ Max. No flashover or dielectric breakdown	Temperature : -40°C±3°C Duration : 48hr
8. Humidity	No damage or mechanical defect Contact resistance : 60mΩ Max. No flashover or dielectric breakdown	Temperature : 40°C±2°C Humidity : 90% ~ 95% Duration : 96hr

9. Solder heat resistance
Visual inspection : Connector shall meet the design and dimensional requirements of each drawings.

Reflow condition.
(Refer to Reflow)



Materials / Finish

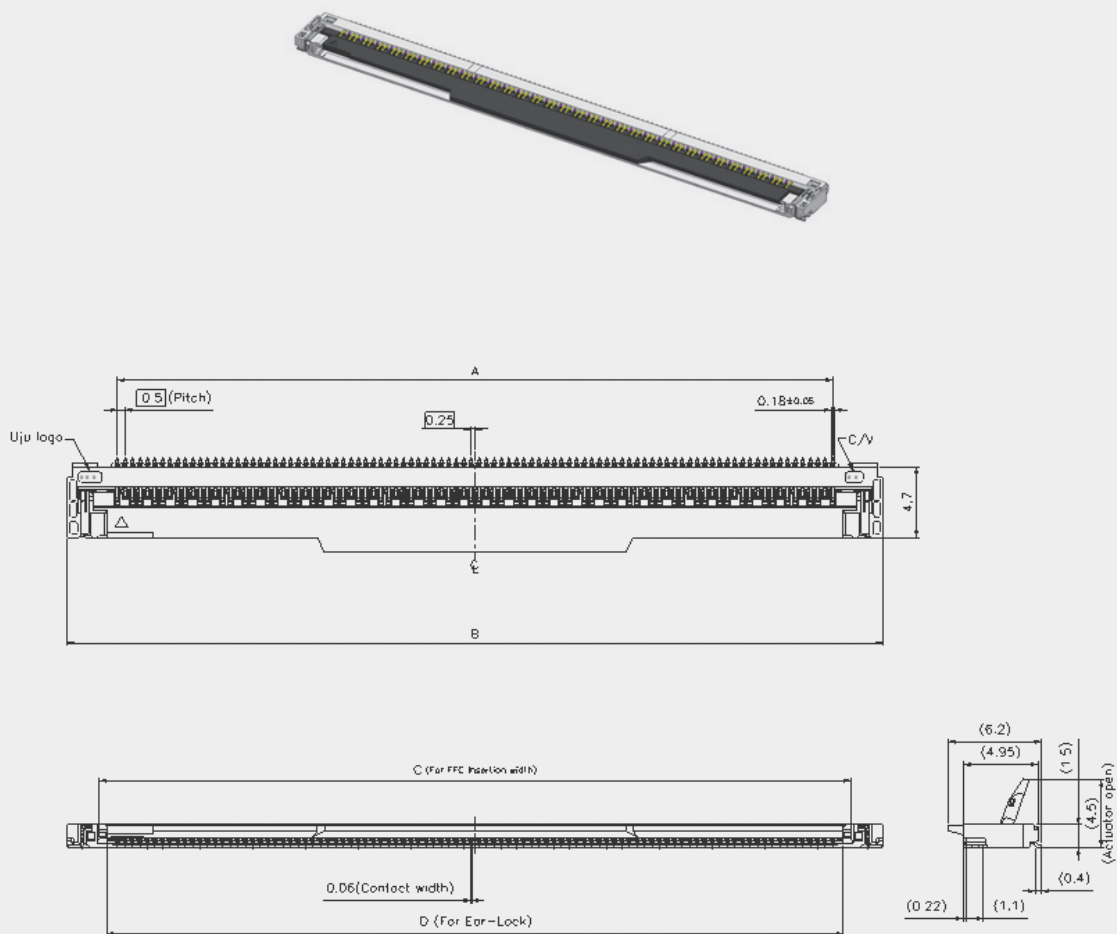
Part	Materials	Finish	UL Regulation
Base	LCP	Natural	UL94V-0
Actuator	PPS	Black	UL94V-0
Contact Terminal A	Phosphor Bronze	Au over Nickel	-
Contact Terminal B	Phosphor Bronze	Au over Nickel	-
Fitting Nail	Phosphor Bronze	Sn over Nickel	-

FPC/FFC Connectors (Display)

FB

Applications | Mobile device, Display, PC

Product Drawing



Mating Size / Unit : (mm)

Product No.	No. of Contacts	A	B	C	D
FF050-O96B-C15-A	96	47.50	54.10	49.90	48.90

