

FF08 Series FPC Connector

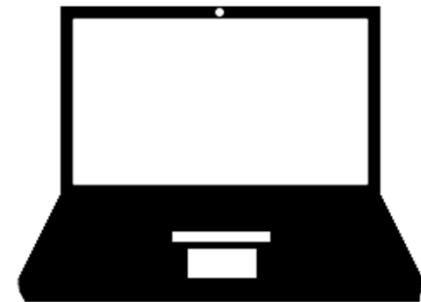
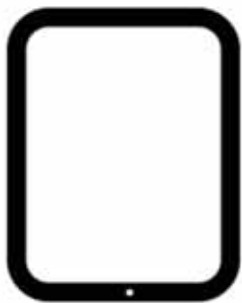
Training Module

Technology to Inspire Innovation



Application Examples

- Mobile/smart phones
 - LCD displays
- Notebook PCs, tablets
 - PDAs
 - Touch-panels
- Other handheld devices



Key Features

- 0.2mm narrow pitch (smallest pitch of JAE's FPC connectors)
- Bottom contact FPC connector suited for portable devices with minimal mounting space
- Board patterns are traceable under the connector (excluding the terminal area)
- Tab on FPC for temporary retention to prevent mating misalignments
- Clear “clicking” sound when mating is secured
- Easy-to-operate actuator
- ZIF insertion
- Friction lock structure for closed actuator
- Nickel barrier to prevent solder wicking.
- Pb-free, Halogen-free, RoHS Compliant

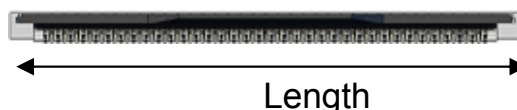


General Specifications

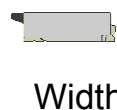
[Top view]



[Front view]

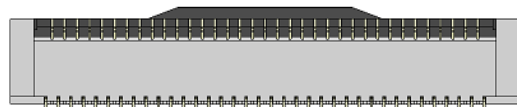


[Side view]



Height

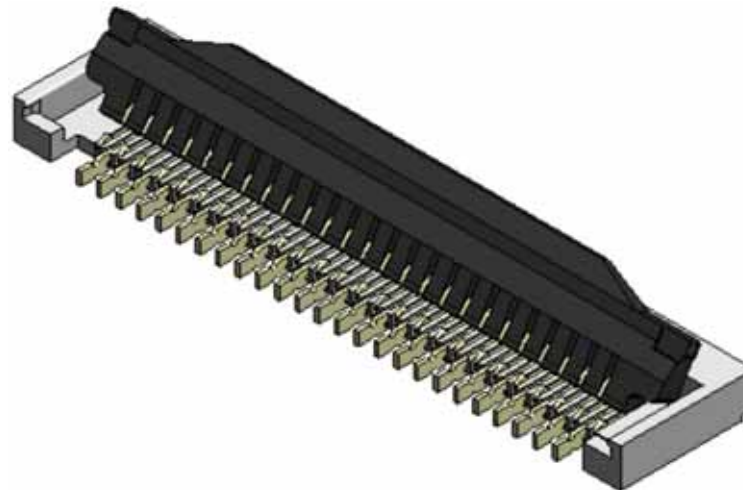
[Bottom view]



No. of Contacts	25, 29, 41, 51, 71, 81 pos
Pitch: Contact Area Mounting Area	0.2mm 0.4mm
Height	1.0mm MAX
Width	2.85mm staggered alignment
Length	$(n-1) \times 0.2 + 2.25\text{mm}$
Applicable FPC Thickness	$t0.15\text{mm} \pm 0.02\text{mm}$
FPC Insertion Force	ZIF
FPC Retention Force	0.2N/n min.
Contact Force	0.2N/n min.
Contact resistance	70m Ω max (initial)
Dielectric Withstanding Voltage	AC 250Vr.m.s (per minute)
Operating Temperature Range	-40 to +85 °C
Rated Current	0.3A per pin
Rated Voltage	50 V(A.C./D.C.) per pin
Mating Durability	20 times
Coplanarity	0.08mm max.
Reflow Count	Within 2 times

Material and Finishes

Component	Material/Finish
Contact (2 Types)	Copper alloy/ Au plating over Ni Contact: 0.1 μ m min. Au Plating Terminal: 0.03 μ m min. Au Plating
Insulator	LCP (UL94V-0, Color: White, Halogen-free)
Actuator	PPS (UL94V-0, Color: Black, Halogen-free)



Summary

- 0.2mm pitch
- Bottom contact FPC connector
- Suited for portable devices with minimal mounting space
- Traceable board patterns under the connector
- Tab on FPC for temporary retention prevents mating misalignment
- Audible sound when mating is secured
- Easy-to-operate actuator
- ZIF insertion
- Friction lock structure for closed actuator
- Nickel barrier to prevent solder wicking
- Pb-free, Halogen-free, RoHS compliant



Technology to Inspire Innovation

JAE