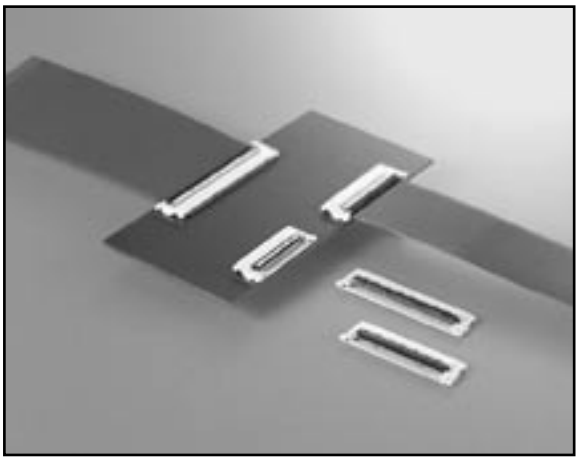
FF01 SERIES CONNECTORS

0.5mm pitch FPC Connector (Bottom Contact)



FF01 Series connectors are 0.5mm (.020") pitch, low profile connectors for FPC. They are designed in response to the demand for thinner and more compact telecommunications devices such as mobile phones.

FEATURES

- Low-profile 0.9mm (.036") mating height
- CAM Locking Structure; makes FPC lining unnecessary and helps to absorb the shock caused by fall resulting in much higher mating reliability.

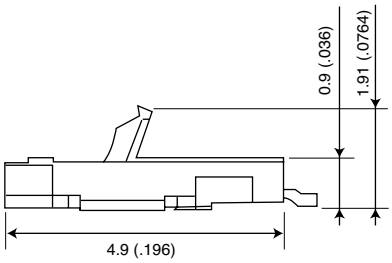
GENERAL SPECIFICATIONS

Number of Contacts	15, 20, 24, 28, 34, 40
Contact Spacing	0.50mm (.020")
Current Rating	AC/DC 0.5A per terminal
Dielectric Withstanding Voltage	AC 250 V r.m.s. for one minute
Voltage Rating	AC/DC 50V per terminal
Insulation Resistance	100 megohm (min.)
Contact Resistance	20 milliohm (max.)
Operating Temperature	-40°C to +85°C
Applicable FPC	0.50mm (.020") pitch 0.12 ±0.03mm (.005" ± .0012") thickness with reinforcement
Mating Durability	20 Cycles

MATERIALS AND FINISHES*

Description	Materials/Finishes
Actuator	PPS (UL94V-0)
Base Insulator	LCP (UL94V-0)
Contact	Copper Alloy/ Gold over Nickel
Hold Down	Copper Alloy/ Tin-Lead plating

Connector Profile (Ref.)



ORDERING INFORMATION

FF01 * * S A 1 - R3000

Series
Contact Location
- R – Top Contact Mating
- None – Bottom Contact Mating

No. of Contacts
- 15, 20, 24, 28, 34, 40

Contact Type
- S – Socket

Modification Code
Contact plating
- 1 – Gold plating over Nickel

Embossed Reel
- R3000 – Embossed plastic reel: 3,000 pieces/reel

Please contact JAE for details of embossed tape specifications.

• Please consult JAE for verification of product availability.

Dimensions and specifications subject to change without notice.