FA5 SERIES CONNECTORS

0.5mm pitch FFC/FPC Connector (Bottom Contact)

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FA5 Series connectors are 0.50mm (.020") pitch, high density, and low-profile for PCB-to-FPC applications. The design utilizes a slider for easy, yet reliable, engagement of the flex cable to the contacts. They are ideally used in audio/visual products, personal computers, PDA's, LCD's, and mobile phones.

FEATURES

- ZIF structure for easy insertion and removal of FPC
- Easy handling thanks to rotation of actuator
- Hold down structure with winding and strain protection
- Two mounting types: standard and bottom (embedded) type
- Connector mounting height 1.45mm (.057"), low-profile structure

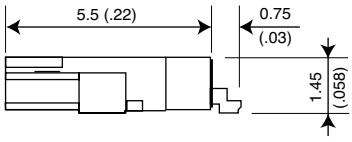
GENERAL SPECIFICATIONS

Number of Contacts	Top Mount: 8, 10, 15, 16, 18, 20, 22, 24, 26, 30, 36, 40, 45, 50 Bottom Mount (Embedded Type): 6, 8, 10, 16, 20, 30, 36, 40, 45, 50
Contact Spacing	0.5mm (.020") pitch
Current Rating	0.8 Amp per contact
Dielectric Withstanding Voltage	250 VAC r.m.s. (for one minute)
Insulation Resistance	100 megohms min.
Contact Resistance	40 milliohms max.
Operating Temperature	-40°C to +85°C
Contact Life Durability	20 Cycles
Applicable FPC	0.50mm (.020") pitch, 0.3 ±0.05mm (.012" ± .002") thickness with lining

MATERIALS AND FINISHES*

Components	Materials/Finishes
Base Insulator	Glass filled LCP (UL94V-0, Black)
Actuator	Glass filled Nylon (UL94V-O, White)
Contact	Copper Alloy/ Tin Plated
Hold Down	Copper Alloy/ Tin Plated

Connector Profile (Ref.)



ORDERING INFORMATION

FA5 * * H P 1 R3000**

Series — FA5
Mounting Type — *
S – Standard
B – Bottom mount
No. of Contacts — ***
Termination — H
H – Angle type with H/D
Contact Finish Code — P
P – Gold/Tin-Copper plating (10 position)
Modification Code — 1
Embossed Reel — R3000
R3000 – 3,000 pieces/reel

• Please consult JAE for verification of product availability.

Dimensions in mm (inches).