

1.0mm Contact Spacing • For LCD interface for high speed differential transmission

SMT Type • P. C. Board to Cable Application • Single row

FI-X/FI-A Series Connectors

JAE

FEATURES

- Board-to-cable application for high density packaging.
- Small, low-profile SMT type receptacle 1.0 mm high on board (FI-X/slotted mount type) and 0.6mm (FI-A/slotted mount type).
- For differential transmission.
- Precision impedance matching (100 ± 10 ohms).
- Pin headers come with hold-down for preventing float up when soldering and offering additional retention on board. The hold-down is incorporated with shell, enabling connection to the ground on board.
- Receptacle with a ground plate on both ends of wire terminal of contact, enabling connection to the ground on board.
- Design ensuring correct grounding.
- Come in three types. Crimp type cable plug for discrete wire, ZIF type for FPC, and fine-wire coaxial type. (We can supply various cable harnessed connectors such as twinax. For further information, consult JAE's sales department)
- ZIF (zero insertion force) configuration for FPC application. No force is directly applied when inserting FPC. Easy to operate. The shell is connected to the ground on one side of FPC when inserting it.
- Receptacles can be supplied in embossed tape allowing automatic mounting.

APPLICATIONS

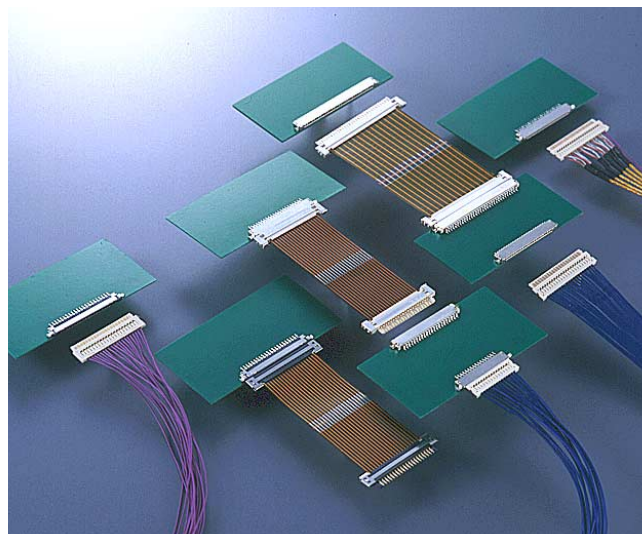
LCD interfaces, LCD inverter, PC, PDA, DVC, mobile phones, digital still cameras, various state-of-the-art miniature devices

TYPES & COMBINATIONS

- FI-X: Click the button.



- FI-A: Click the button.



GENERAL SPECIFICATIONS

No. of Contacts	14 (specifically designed for differential transmission/7 pairs) 14, 20, 30 (for fine-wire coaxial:20,30) 20 positions for FI-A
Current Rating	1 Amps
D.W.Voltage	500 VACr.m.s. (for one minute)
Insulation Resistance	100 megohms min.
Contact Resistance	40 milliohms max.
Applicable Wire	#30 to #36 AWG (discrete wire) #40 AWG (fine-wire coaxial) 1.0 mm pitch FPC/0.14 mm thick
Operating Temperature	-40°C to +80°C

* The products and specifications contained in this catalog are subject to change without notice. When considering use of or placing an order for products included in this catalog, please check first with our sales department.

TYPES & COMBINATIONS

Receptacle

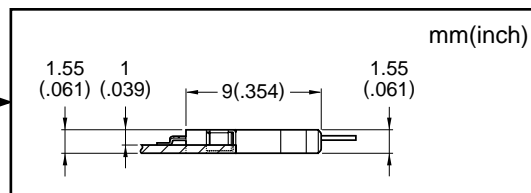
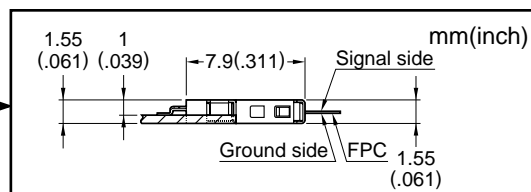
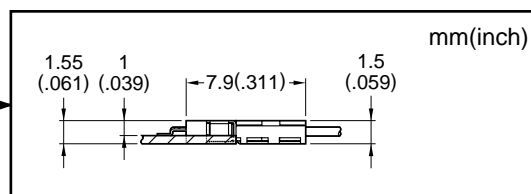
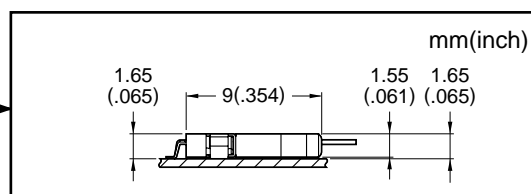
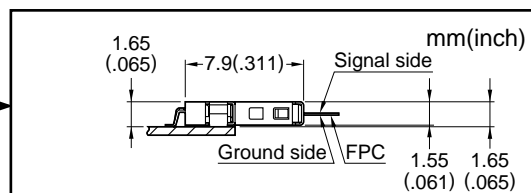
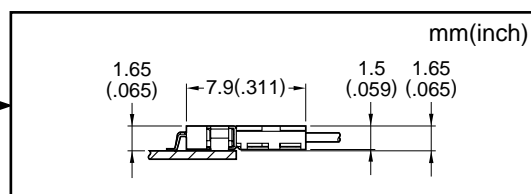
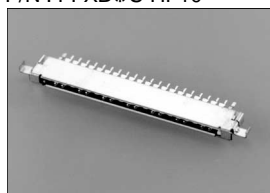
FI-X Series

Plug

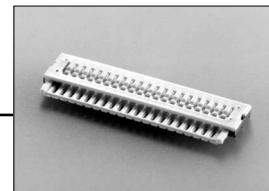
- Original type
Right-angle
With metallic shell
P/N : FI-X※S-HF



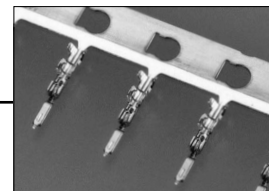
- Slotted mount type
Right-angle
With metallic shell
P/N : FI-XB※S-HF10



- For discrete wire
Crimp type
With metallic shell
P/N : FI-X※H



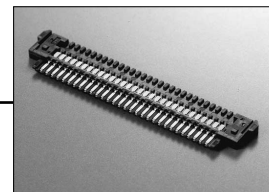
- Socket contact
Crimp type
P/N : FI-XC3-1-15000



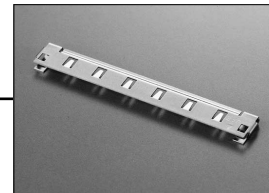
- ZIF design for FPC
With metallic shell
P/N : FI-X※M



- For fine-wire coaxial
With metallic shell
P/N : FI-X※C



- For fine-wire coaxial
Slider shell
P/N : FI-X※CH-700



■ TYPES & COMBINATIONS

