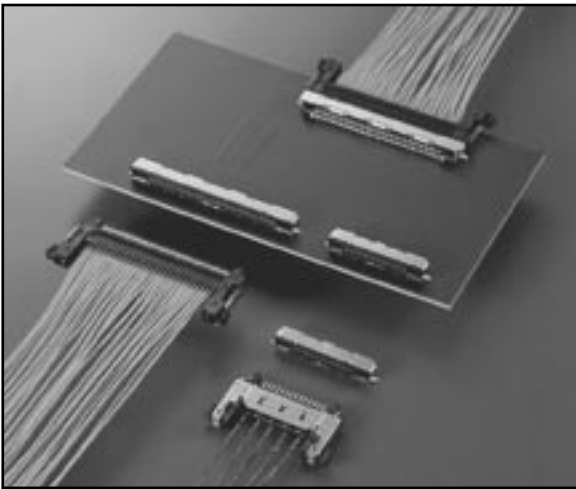


# FI-E SERIES CONNECTORS

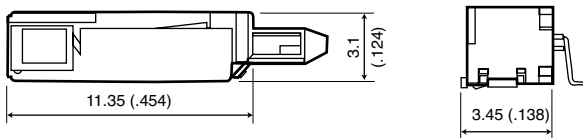
## 1.00mm (.039") Pitch Connector for PCB-to-Cable



### FEATURES

- Available in 14 or 30 positions
- Low profile design with 3.2mm (0.126") mounting height
- Alignment guide allows for blind mating
- Crimp and solder terminal styles available for harness side
- Mechanical locking type available to ensure secure mating
- Lead free

Connector Profile (Ref.)



The FI-E connector series is specifically designed with the electrical and mechanical features necessary to best support transmission of Low Voltage Differential Signal (LVDS) within digital devices. As consumer products increasingly incorporate digital technology, the FI-E Series meets the internal signal needs for products such as LCD, PDP, and rear projection TVs, as well as other equipment utilizing LVDS.

### GENERAL SPECIFICATIONS

Number of Contacts	14, 30
Contact Spacing	1.0mm (.039")
Current Rating	AC/DC 1 Amp per contact
Voltage Rating	AC/DC 200V per contact
Dielectric Withstanding Voltage	500VAC r.m.s. (for one minute)
Insulation Resistance	100 megohms min.
Contact Resistance	40 milliohms max.
Operating Temperature	-40°C to +80°C

### MATERIALS AND FINISHES\*

#### • Board Side

Description	Materials/Finishes
Insulator	Heat Resistant Plastic (UL94V-0, Black)
Contact	Copper Alloy Connecting area: Gold over Nickel Terminal area: Tin Copper over Nickel
Shell	Stainless Steel, Tin plating
Ground Plate	Copper Alloy/Tin plating

#### • Cable Side (Solder Type)

Insulator	Heat Resistant Plastic (UL94V-0)
Contact	Copper Alloy Connecting area: Gold plating over Nickel Terminal area: Tin Copper over Nickel
Lock Spring	Stainless Steel
Base Shell	Copper Alloy / Tin plating

#### • Cable Side (Crimp Type)

Housing	Heat Resistant Plastic (UL94V-0)
Shell	Copper Alloy / Tin plating

\* Please consult JAE for verification of product availability.

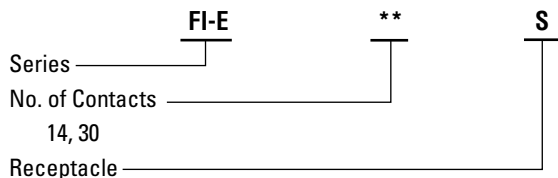
Dimensions and specifications subject to change without notice.

# FI-E SERIES CONNECTORS

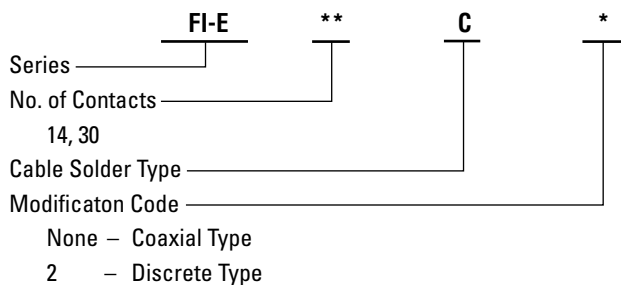
## 1.00mm (.039") Pitch Connector for PCB-to-Cable

### ORDERING INFORMATION

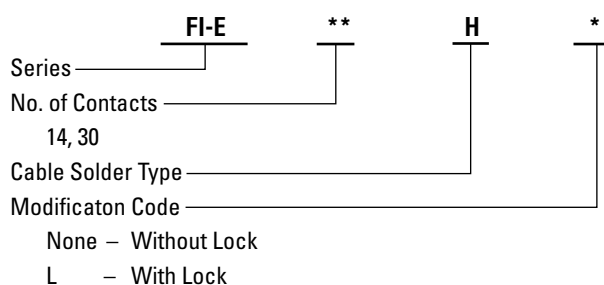
#### • Receptacle



#### • Cable Solder Type



#### • Cable Crimp Type



Consult JAE for other available sizes.

Note: Crimp Socket Contacts, Part No. FI-XC3-1-15000

### TOOLING

Description	Part Number
Hand Crimp Tool	CT150-4C-FIX

• Please consult JAE for verification of product availability.

Dimensions in mm (inches).