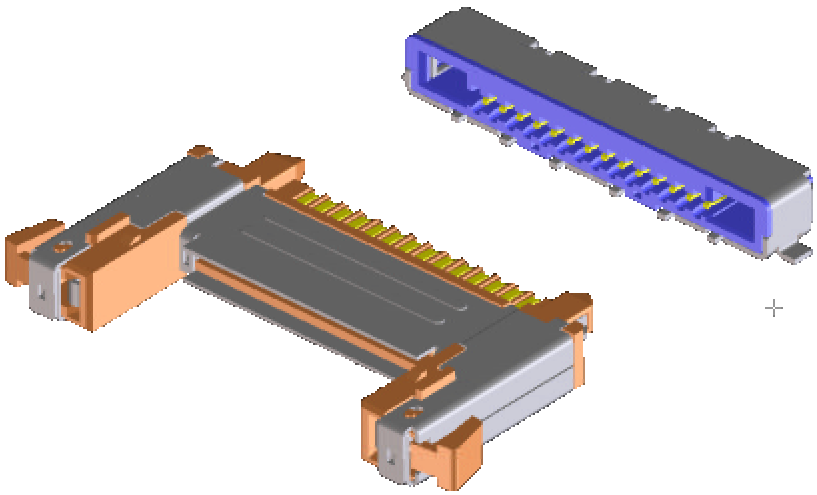
NEW

LVDS Transmission Connector

FI-E Series

CONNECTOR
MB-0102-2
December 2003



<<Outline>>

Along with digitalization trends, cases where LVDS (Low Voltage Differential Signaling) is used for internal wiring in consumer products such as TVs are increasing. JAE has developed a connector that combines both electrical considerations for LVDS transmission and mechanical considerations for TV interiors.

Features

- Connector optimal for LVDS (Performance equal to FI-X connector series).
- Sufficient guide alignment and durability to permit blind mating.
- Mechanical lock available to prevent incomplete or inadequate mating.
- Low profile design with 3.2mm height when mounted.
- Crimp-style and solder-style available for harness-side. Crimp contact common to FI-X series.

General Specifications

- No. of contacts : 14 pos., 30 pos.
- Contact resistance: 40m ohm max.
- Withstanding voltage: AC500Vr.m.s per minute
- Operating temperature: -40 Deg. C to +80 Deg. C
- Rated current: AC,DC each 1A per 1pos.
- Rated voltage: AC,DC each 200V per 1pos.
- Insulation resistance: 100M ohm min.
- Pitch: 1mm

Materials and Finishes

FI-E**S (Board side)

Components	Materials and Finishes
Contact	Copper alloy/ Contact portion: Au Terminal portion: SnCu
Ground Plate	Copper alloy/ Tin plating
Insulator	Heat resistant plastic/ None
Shell	Stainless/ Tin plating

FI-E**C* (Cable side, soldering type)

Components	Materials and Finishes
Contact	Copper alloy/ Contact portion: Au Terminal portion: SnCu
Base shell	Copper alloy/ Tin plating
Insulator	Heat resistant plastic/ None
Lock spring	Stainless/ None

FI-E**H* (Cable side, crimp housing type)

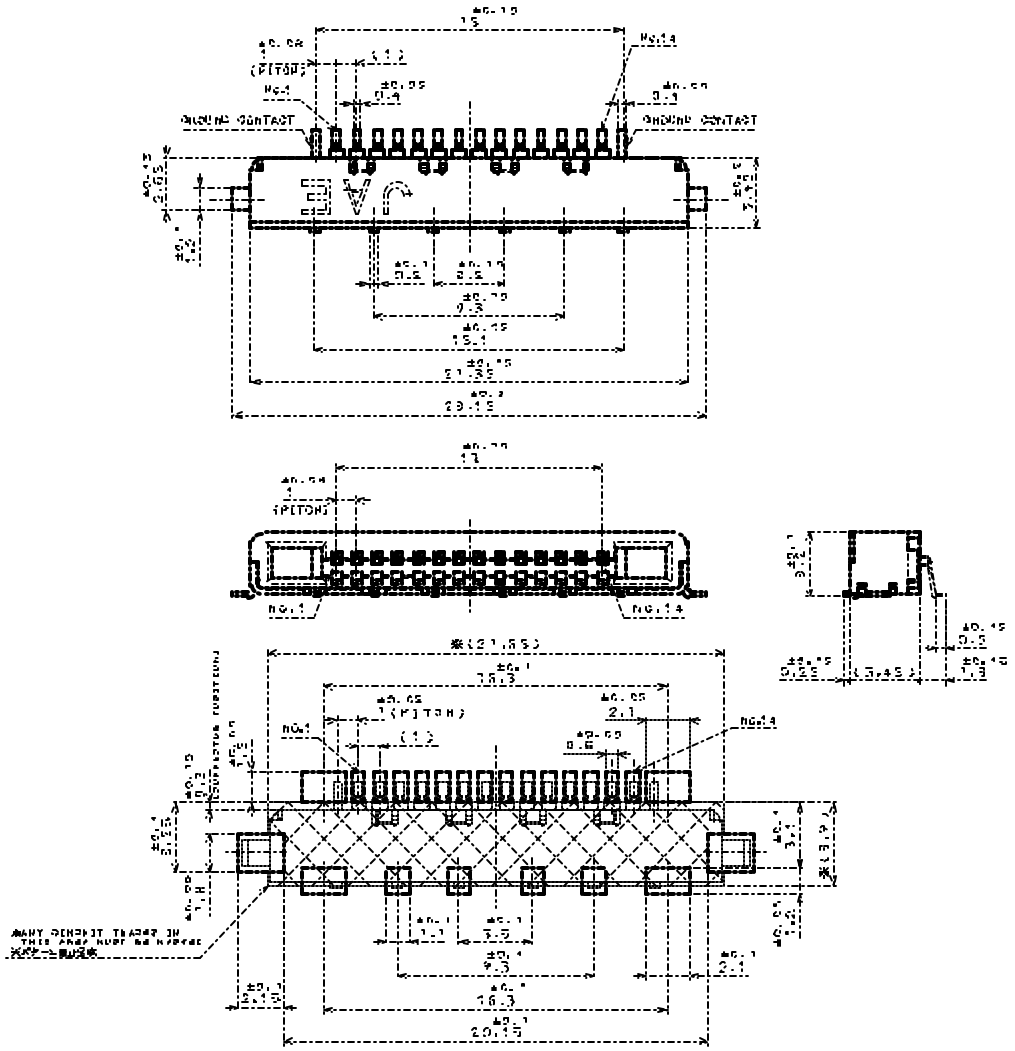
Components	Materials and Finishes
Housing	Heat resistant plastic/ None
Shell	Copper alloy/ Tin-plating

Ordering Information

FI-E * * S

- Series
- No. of contacts
- Receptacle

Part Number	FI-E14S
SJ Drawing	SJ037690



Applicable dimension of board

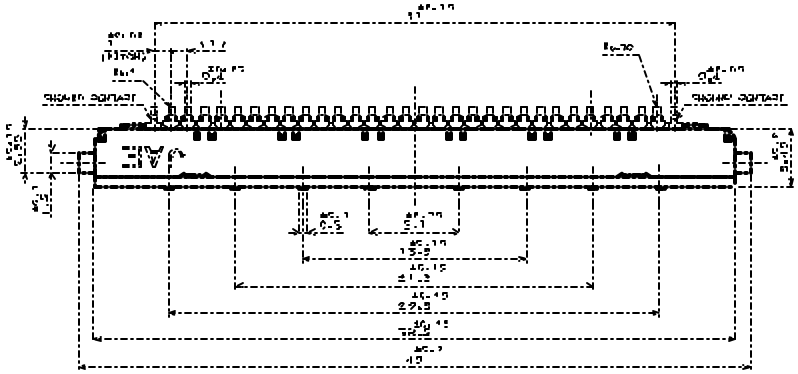
(for reference)

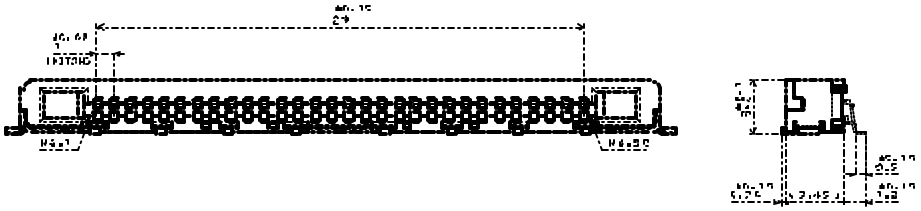
Ordering Information

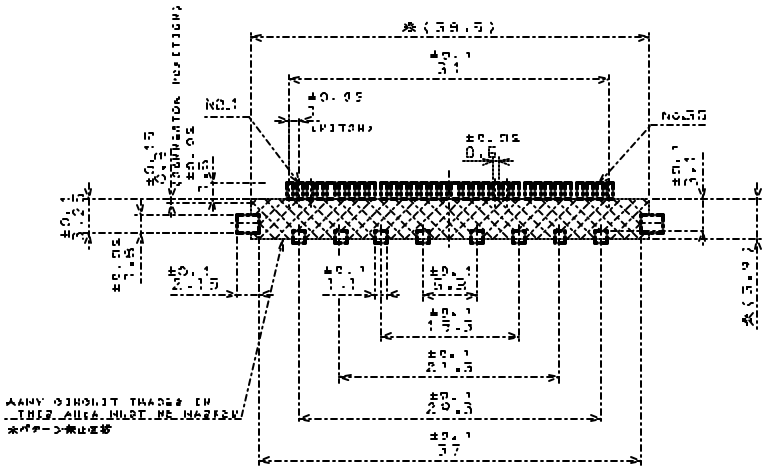
FI-E * * S

- FI-E: Series
- * *: No. of contacts
- S: Receptacle

Part Number	FI-E30S
SJ Drawing	SJ038770







Applicable dimension of board

(for reference)

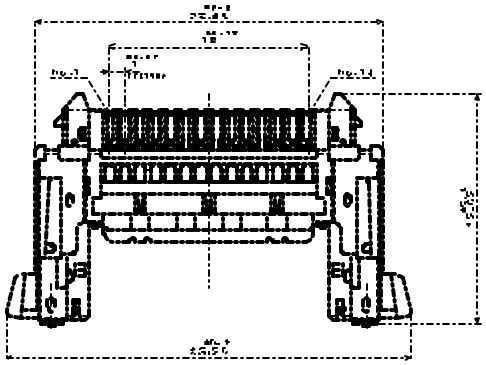
Ordering Information

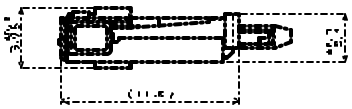
FI-E * * C *

- FI-E: Series
- * *: No. of contacts
- C: Cable solder type
- *: Modification code(None: Coaxial type 2: Discrete type)

Part Number	FI-E14C
SJ Drawing	SJ038723

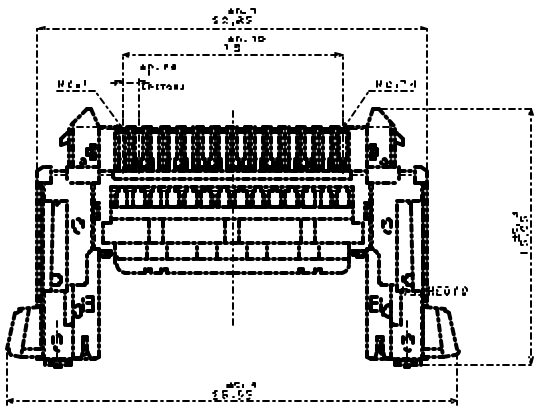
*** Connector is not sold individually.**

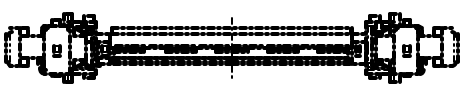


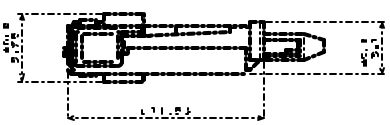


Part Number	FI-E14C2
SJ Drawing	SJ038724

*** Connector is not sold individually.**







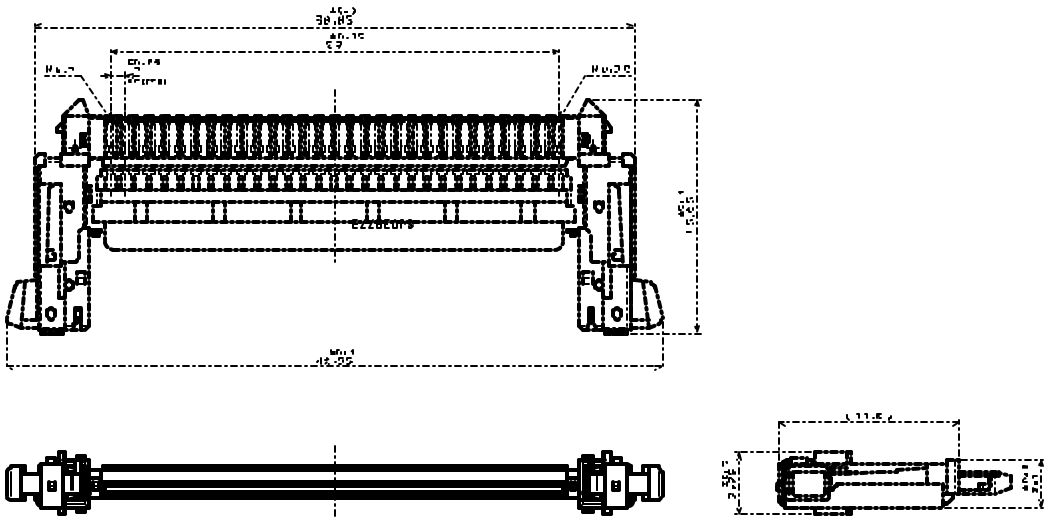
Ordering Information

FI-E ** C *

- FI-E: Series
- **: No. of contacts
- C: Cable solder type
- *: Modification code (None: Coaxial type, 2: Discrete type)

Part Number	FI-E30C2
SJ Drawing	SJ038773

*** Connector is not sold individually.**

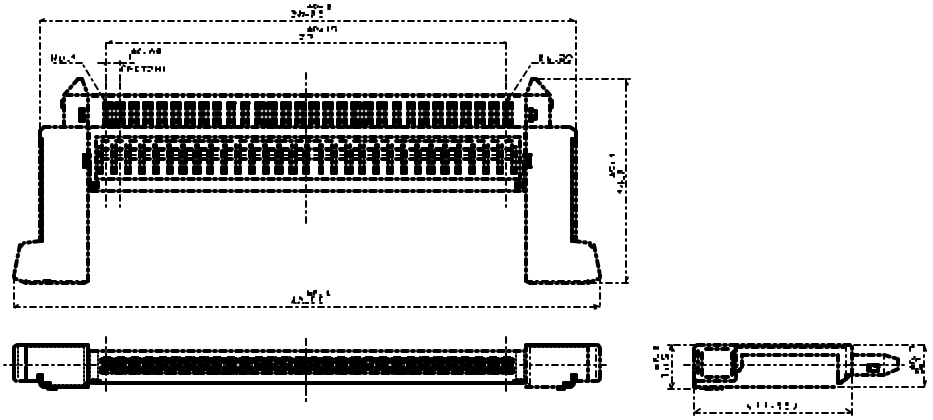


Ordering Information

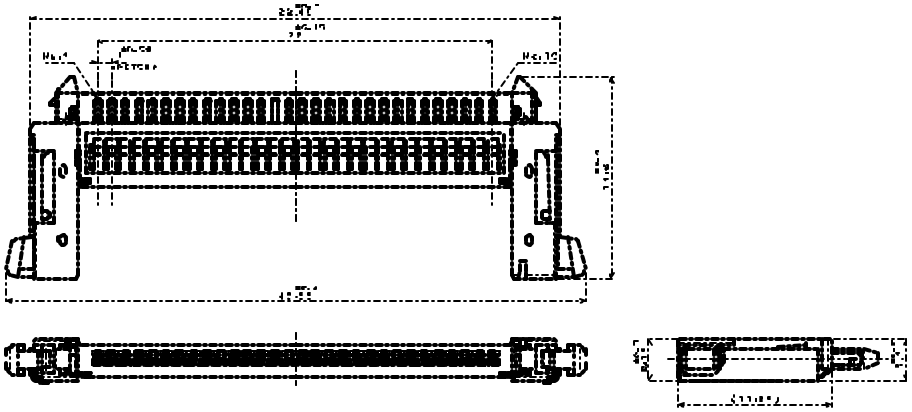
FI-E 30 H *

- FI-E: Series
- 30: No. of contacts
- H: Cable crimp type
- *: Modification code (None: without lock, L: with lock)

Part Number	FI-E30H
SJ Drawing	SJ100120



Part Number	FI-E30HL
SJ Drawing	SJ100119



Notice: Products shown in this leaflet are made for the applications listed below. However, if the above-mentioned products are to be used in aerospace devices, marine cable-connection devices, atomic power control systems, medical equipment for life-support systems, or any other specific application requiring extremely high reliability, please contact JAE for further information.
Recommended applications: Computers, Office machines, Measuring devices, Telecommunication devices (Terminals, Mobile devices), AV devices, Household applications, FA devices, etc.

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