

NEW



LVDS Transmission Connector

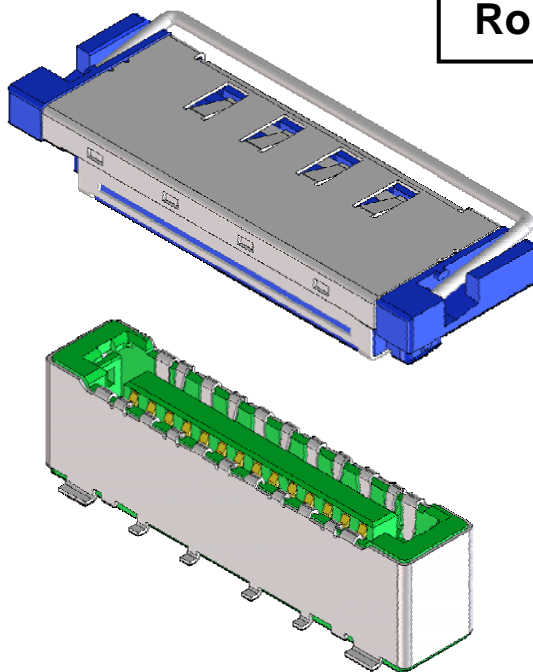
CONNECTOR

MB-0117-2

July 2006

FI-F Series

RoHS Compliant



<<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 is equal to FI-X connector series).
- Sufficient guide alignment and durability to permit blind mating.
- Mechanical lock available to prevent incomplete or inadequate mating.
- Pull bar employed for easier removal of plug connector
- Height from the board in mating(nominal):7.35 mm
- Freer design by common board pattern with side insertion type (FI-E series)
- Harness-side is compatible with solder type, fine coaxial wire.
(parallel coaxial cable #40)

General Specifications

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

Materials and Finishes

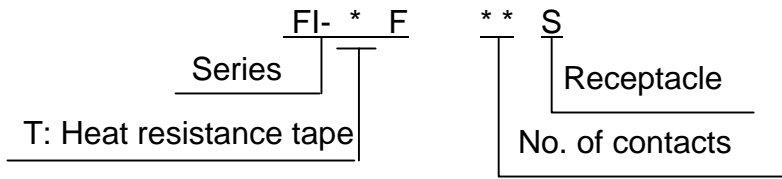
FI-TF14S (Board side)

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

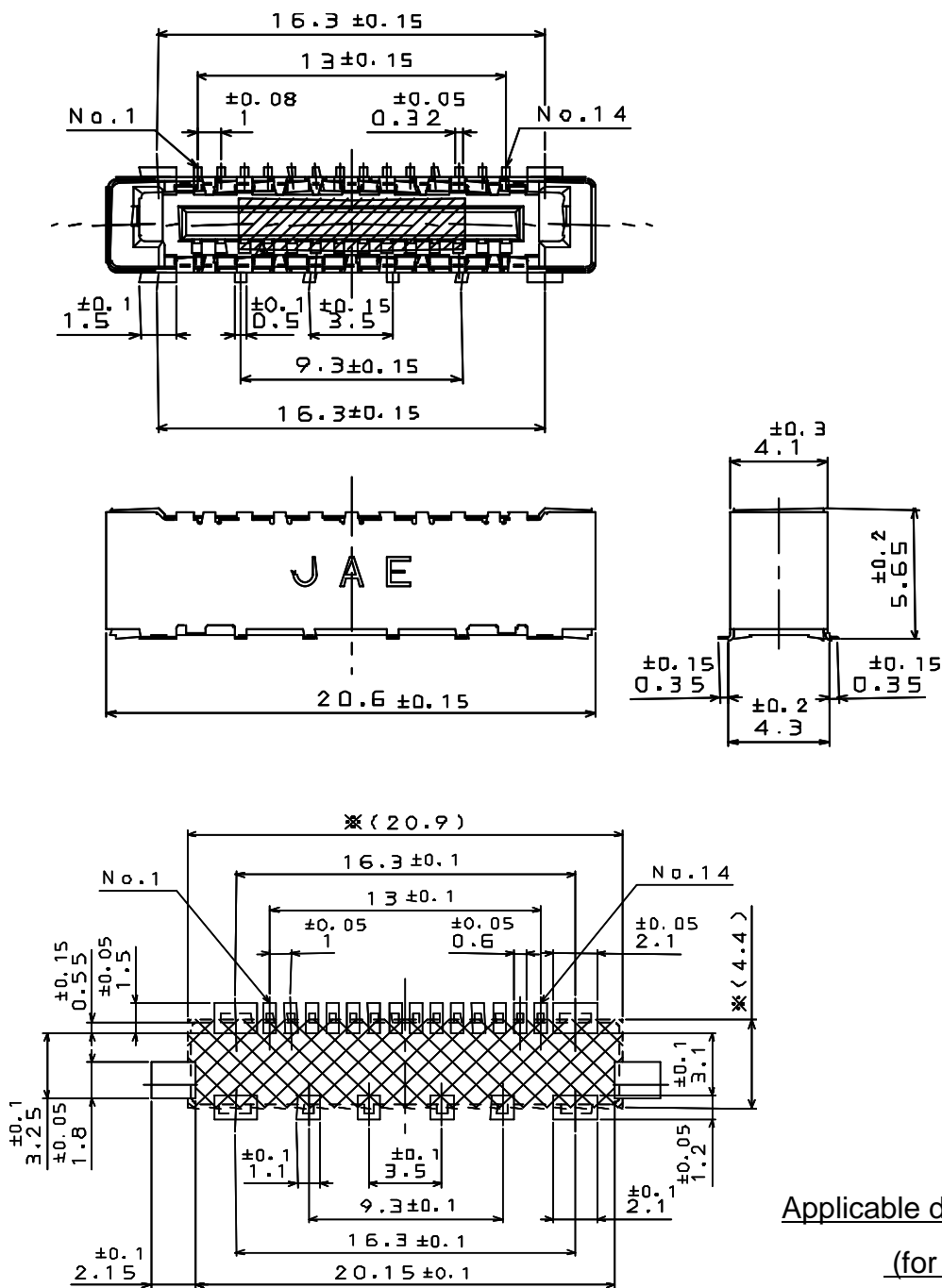
FI-F14C (Cable side, soldering type)

Components	Materials and Finishes
Contact	Copper alloy/ Contact portion: Au Terminal portion: SnCu
Base shell	Copper alloy/ SnCu
Insulator	Heat resistant plastic/ None
Pull bar	Stainless/ None
Slide shell	Stainless/ SnCu

Ordering Information

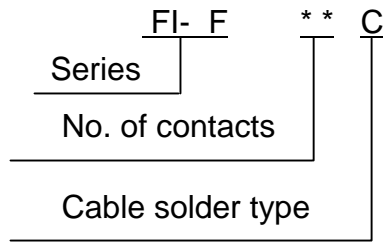


Part Number	F1-TF14S
SJ Drawing	SJ037692



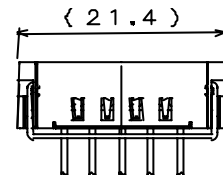
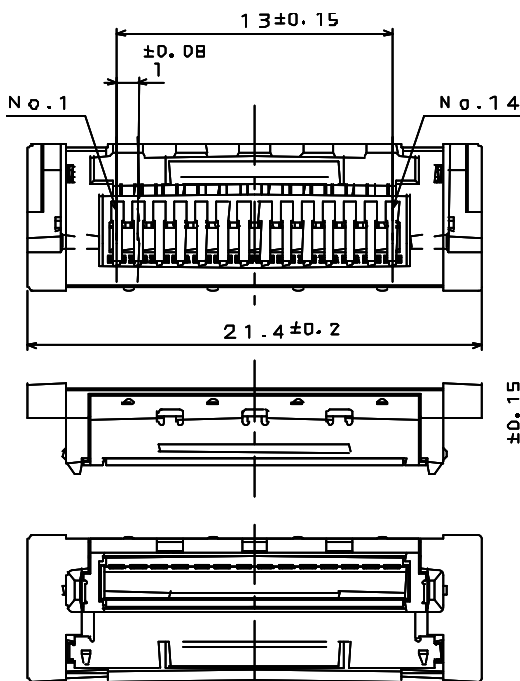
Applicable dimension of board
(for reference)

Ordering Information

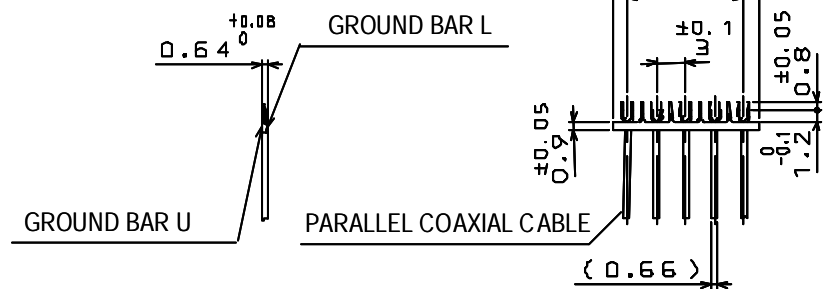
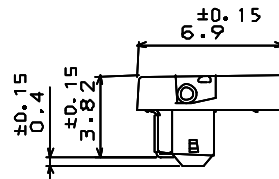


*Plug side connector not sold unbundled.

Part Number	FI-TF14S
SJ Drawing	SJ037692



CABLE ASSEMBLED CONDITION (RBF.)
ケーブル 結線状態 (参考)



APPLICABLE WIRE DIMENSIONS (RBF.)
適用ワイヤー加工寸法 (参考)

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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.

* The specifications in this brochure are subject to change without notice. Please contact JAE for information.