



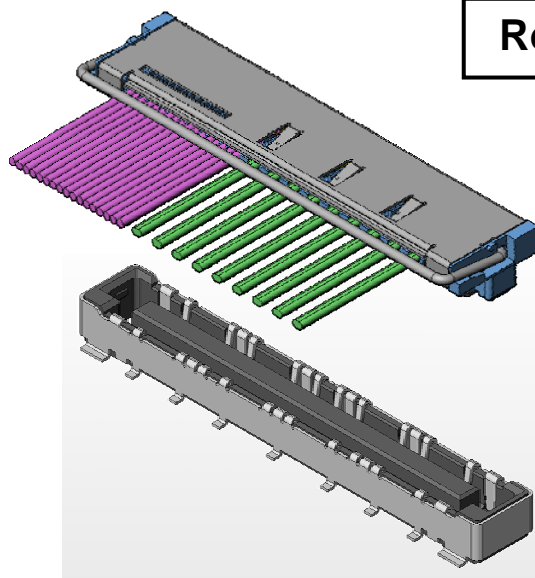
Board to Cable Connector Compatible to High Speed  
Differential Transmission

## FI-D Series

CONNECTOR

MB-0141-2

July 2006

**RoHS Compliant**

The FI-D series are high speed differential transmission connectors for LCD panel.

### Features

- Ground condition is reinforced to improve EMI characteristics.
- Soldering connection of plug side is possible at once.  
(compatible to twin coaxial and discrete cable)
- Height variations for receptacle, can be selected from 4 heights.  
Mating height: 4.40mm, 7.35mm, 8.50mm, and 9.35 mm

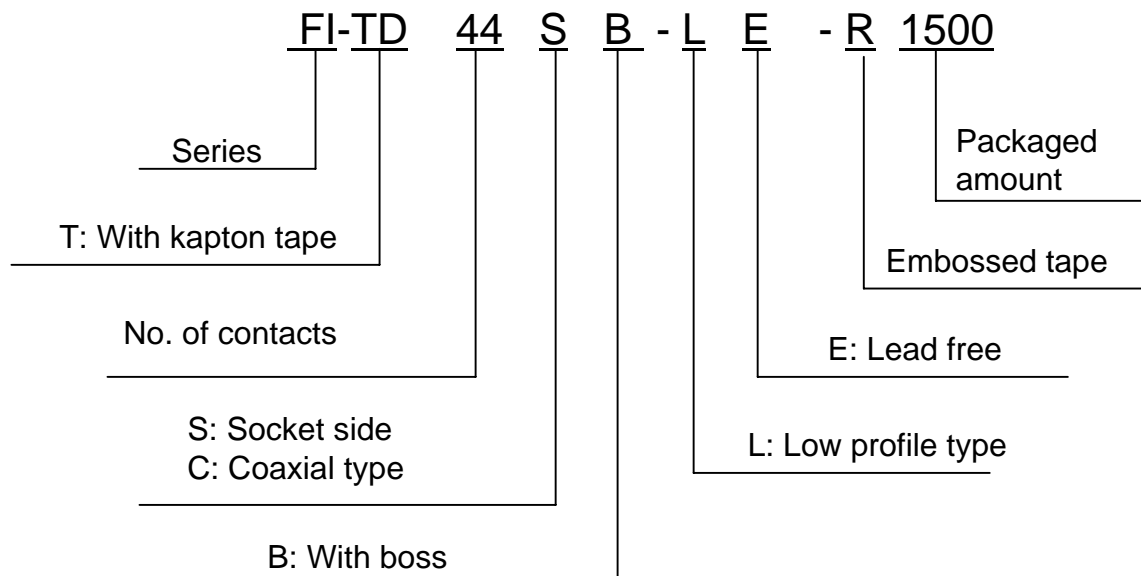
### General Specifications

- No. of contacts :44 pos.
- Contact resistance: 70m ohm max.
- Dielectric withstanding voltage: 500Vr.m.s per minute
- Operating temperature: -40 Deg. C to +85 Deg. C
- Rated current: 0.5A /1pin
- Lifetime: 30 times
- Applicable cable: Contact No. 1 to 17 Discrete (AWG #40) or Coaxial (AWG #40)  
Contact No. 18 to 44 Twin-Coaxial (AWG #32)

## Materials and Finishes

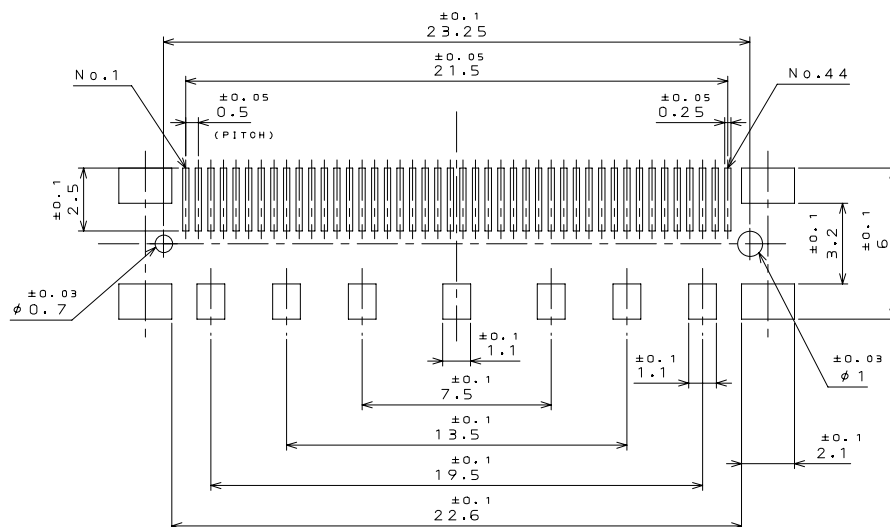
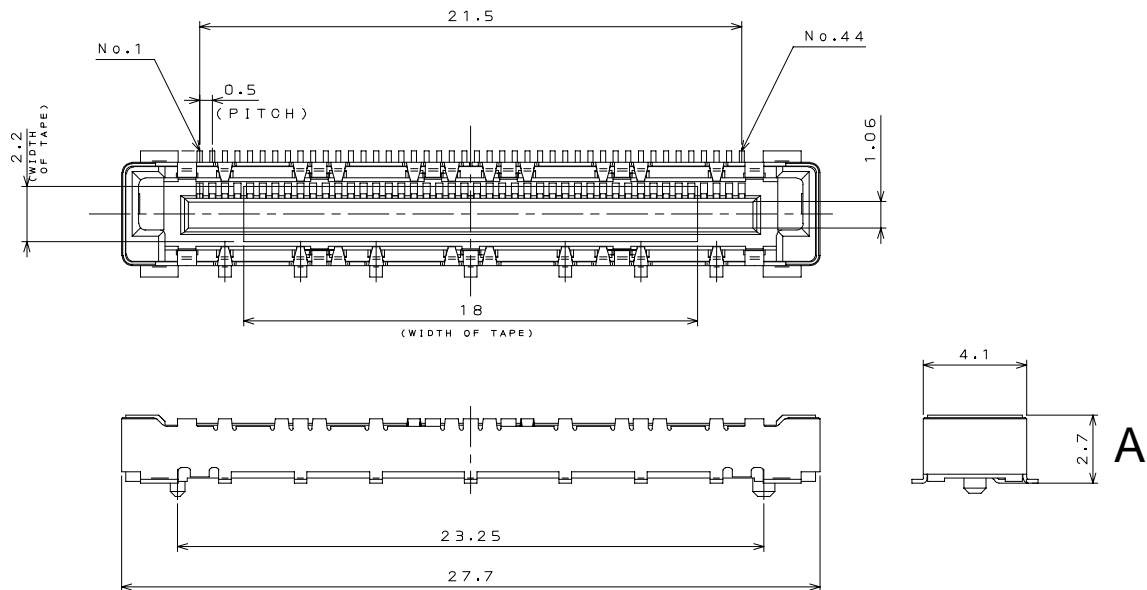
Components	Materials /Finishes
Receptacle	
Contact	Copper Alloy/ Contact area: 0.76um min. Au plating over Ni Terminal area: Sn plating over Ni
Insulator	Thermoplastic resin UL94V-0 black
Shell	Stainless steel: Sn plating
Plug	
Contact	Copper Alloy/ Contact area: 0.76um min. Au plating over Ni Terminal area: Sn or Au flash plating over Ni
Insulator	Thermoplastic resin UL94V-0 black
Shell	Copper alloy: Sn plating
Shell (plug side)	
Shell	Stainless steel: Sn plating over Ni

## Ordering Information



# Receptacle side: FI-TD44SB-LE (SJ101013)

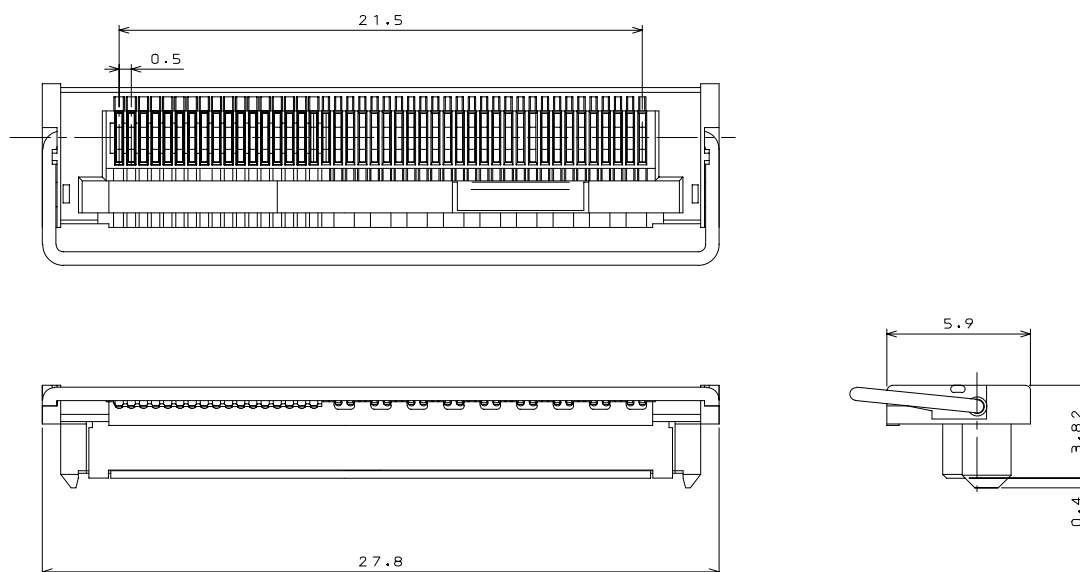
## Emboss packaged product: FI-TD44SB-LE-R1500 (SJ101015)



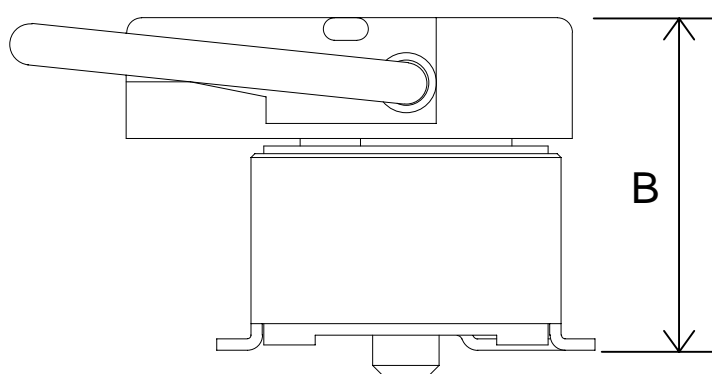
Unit: mm

Part Number	SJ Drawing	Dimension A	Dimension B
FI-TD44SB-VF93 (-R750)	SJ100866 (SJ100867)	7.65	9.35
FI-TD44SB-VF85 (-R750)	SJ102166 (SJ102167)	6.80	8.50
FI-TD44SB-E (-R750)	SJ101238 (SJ101239)	5.65	7.35
FI-TD44SB-LE (-R1500)	SJ101013 (SJ101015)	2.70	4.40

# Plug side: FI-D44C2-E (SJ101236)



## Mating height



Unit: mm

Part Number	SJ Drawing
FI-D44C2-E	SJ101236
FI-D44C2-SH-BE-8000	SJ101237

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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.