v1.1

ES3-JF3 Series
Cable Insertion Type Connector

Connector Training Module

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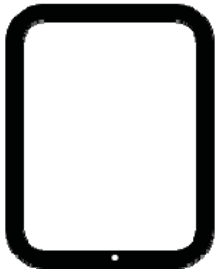
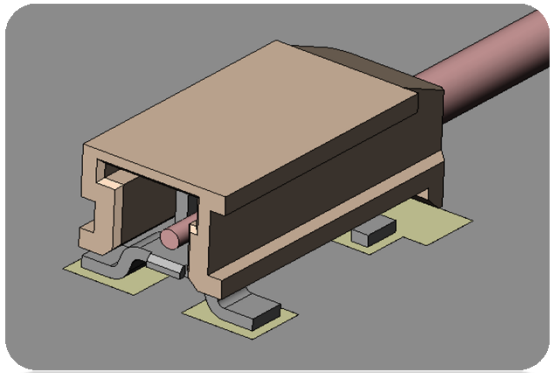
Application Examples

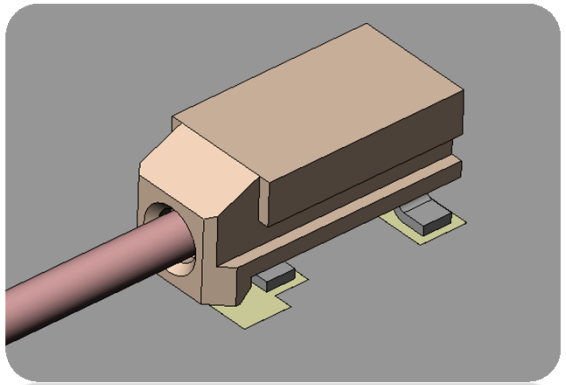
- LED Lighting
- LCD TV backlight
- Other compact devices



ES3 Series (JF3 Type) Overview

The ES3 Series (JF3 type) is a compact, low-profile 1-position direct cable insertion type connector. This connector is well-suited for use in a wide range of applications including LED lighting, LCD TV backlight, and other compact devices. The ES3 Series (JF3 type) is UL and cUL certified.

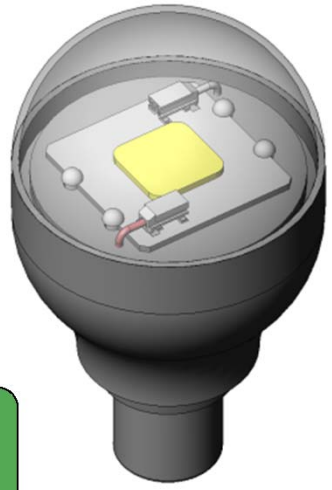




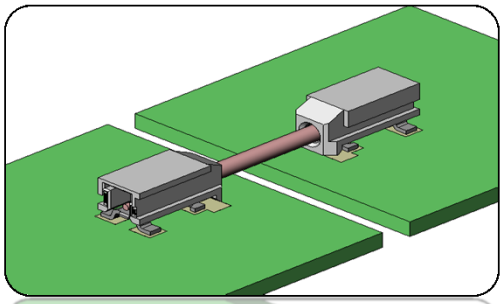
ES3-JF3 Series Features

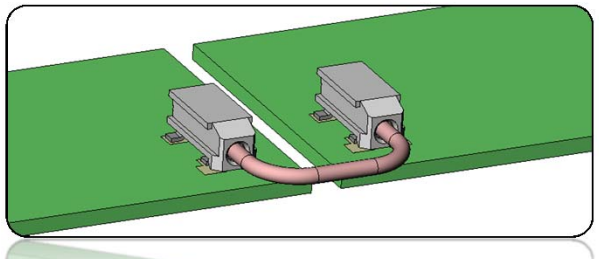
Compact and Low-profile

- Direct cable insertion; No soldering/crimping of wires required
- Insulator is made of white LCP plastic for heat and light resistance
- Tapered opening for easy cable insertion
- SMT solder mount
- Embossed tape packaging for automated mounting
- UL and cUL certification: File No. E67741



Multiple Mounting Methods

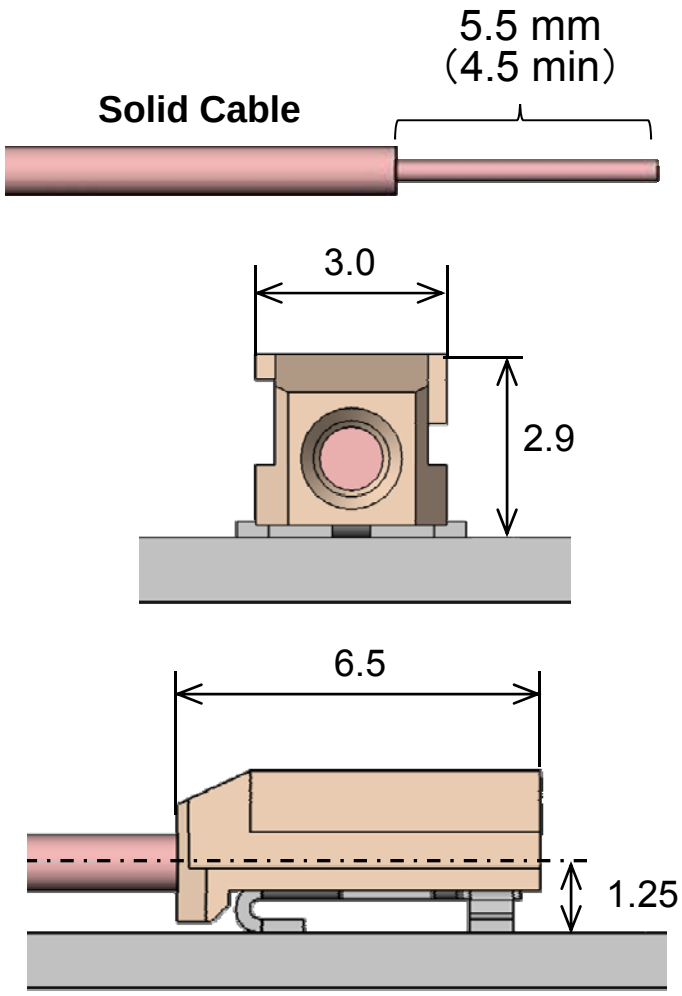




General Specifications

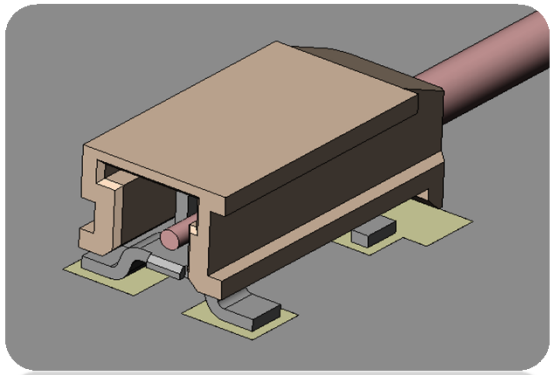
No. of Contacts	1
Height	2.9 ± 0.15mm
Depth	3.0±0.15mm
Width	6.5±0.15 mm
Contact resistance	30mΩ max (initial)
Operating Temperature Range	-40 to +105 °C
Rated Current	2A per pin
Applicable Wire	Single：AWG 26, 24 Equivalent (diameter 0.4 to 0.51mm) Outer cable diameter (recommended) : 1.15mm max *Stranded wire (including pre-soldered) not applicable.
Cable Insertion Force	AWG 24 Equivalent：Max.10N
	AWG 26 Equivalent：Max.5N
Cable Extraction Force	AWG 24 Equivalent：Min.5N
	AWG 26 Equivalent：Min 3N

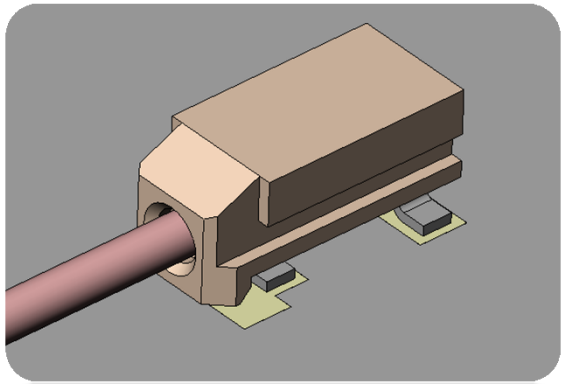
Dimensions
(Unit: mm)



Materials and Finishes

Component	Material/Finish
Insulator	LCP (Liquid Crystal Polymer)
Contact	Copper alloy / Sn over Ni plating





Summary

- A compact, low-profile 1-position direct cable insertion type connector
- Well-suited for applications including LED lighting, LCD TV backlight, and other compact devices
- Tampered opening for easy cable insertion
- SMT solder mount
- Embossed tape packaging for automated mounting
- UL and cUL certified

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