



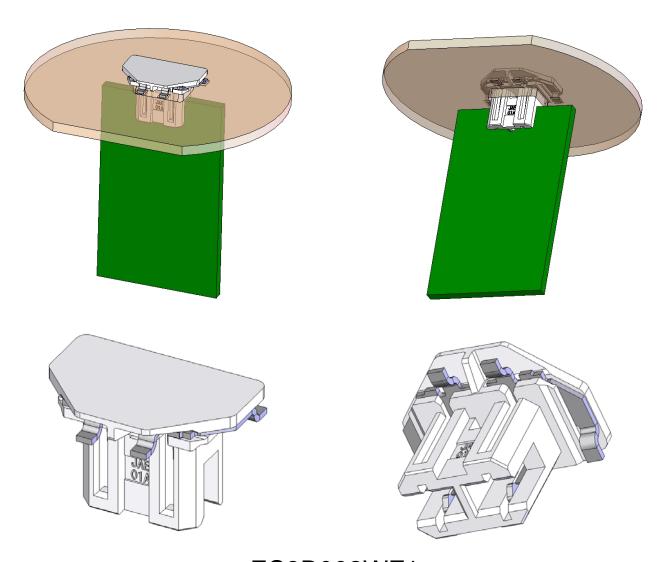
LED Power Supply Card Edge Type Connector

ES3 Series

(cULus Certified Product)

CONNECTOR MB-0221-3 July 2012

RoHS Compliant



ES3B002WF1

The ES3 Series is a card edge connector for LED lighting power supply that enables direct connection of the converter board and the LED mounting board.

This connector is a 2-position card edge type ideal for LED bulb and LED lighting devices.

The ES3 Series connectors are available in embossed tape, compatible with SMT mounting.

The connector allows reflow solder mounting to the LED mounting board to occur at the same time that other parts like LED and SMT components are mounted.

Features

- ■Low-profile 1.6mm mounting height, designed with consideration for light shielding.
- ■Insulator is made of white LCP for heat and light resistance.
- ■Direct connection of converter board and LED mounting board allows for reduced assembly work time.
- ■Cable-less connection makes reduction in the number of parts possible.
- ■SMT type, can be mounted at the same time as other components to the LED mounting board.

General Specifications

■No. of Contacts: 2 pos.

■Contact Resistance: 60m Ω max. (initial)

■ Dielectric Withstanding Voltage: AC 500Vr.m.s (per minute)

■Durability: 20 mating cycles

■Board Insertion Force: 30N max.

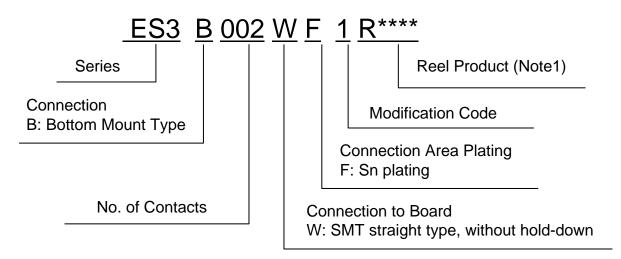
■Rated Current: AC, DC 1A ■Rated Voltage: AC, DC 200V

■Insulation Resistance: 10M Ω min. (after test)
■Operating Temperature: -40 to+105 Deg. C

Materials and Finishes

Component	Material / Finish	
Insulator	White LCP	
Contact-R	Copper alloy / Sn plating	
Contact-L	Copper alloy / Sn plating	

Ordering Information

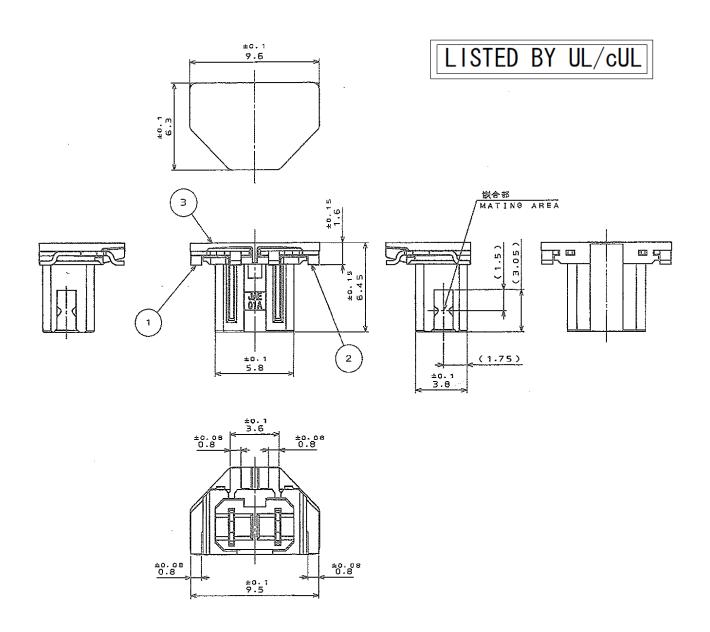


Note1) An embossed tape reel contains 1,000 pieces.

Drawing

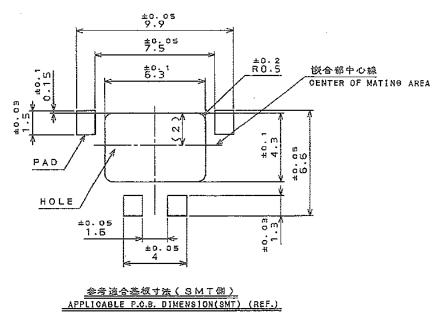
Part Number	ES3B002WF1
SJ Drawing	SJ110395

Unit: mm

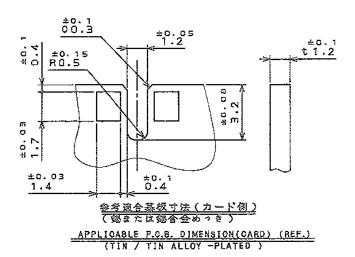


3	INSULATOR インシュレータ	1	LOP		COLOR:WHITE
	CONTACT-R コンタクトーR	1	COPPER ALLOY 鋸合金	LEAD-FREE TIN PLATING	
1	CONTACT-L コンタクトーL	1	OOPPER ALLOY 鋼合金	LEAD-FREE TIN PLATING	
符号 NO.	名 BESCRIPTION	@ 数 QTY.	材 料 MATERIAL	仕 上 FINISH	簡 考 REMARKS

Unit: mm



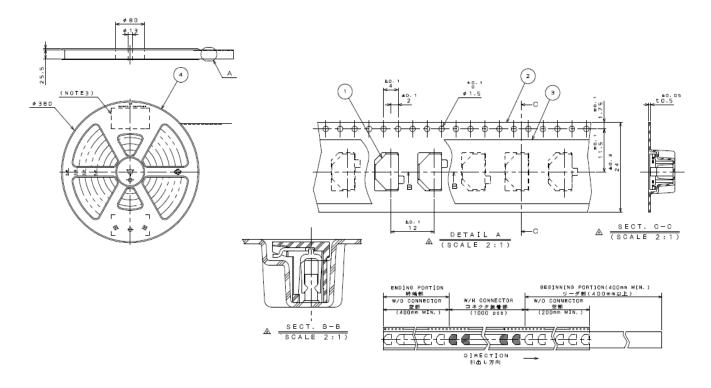
Applicable Dimensions of Board (SMT side, for reference)



Applicable Dimensions of Board (Card side, for reference)

Part Number	ES3B002WF1R1000	
SJ Drawing	SJ110396	

Unit: mm



4	REEL	1	POLYSTYRENE	
3	COVER TAPE	1	POLYESTER	
2	CARRIER TAPE	1	POLYSTYRENE	
1	CONNECTOR	1000		 ES3B002WF1 SJ110395(抽2)

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

Notice: Products shown in this brochure 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.