

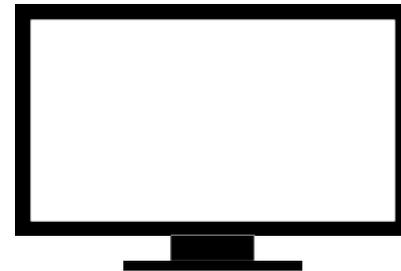
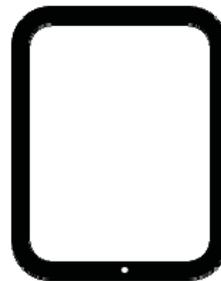
# **ES5 Series**

## **Board-to-Cable Connector for LED Lighting**

Connector Training Module

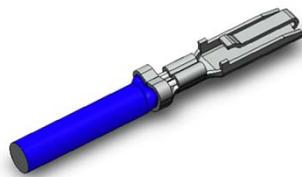
## Application Examples

- LED Lighting
- LCD TV Backlighting
- Other compact devices



## ES5 Series Overview

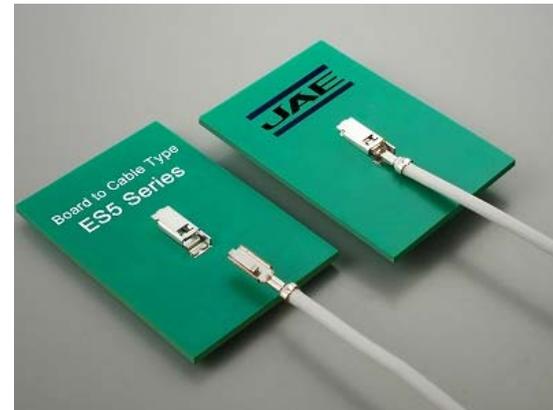
The ES5 series is a single position board to cable connector for power supply in various applications including LED lighting, LCD TV backlight, tablet PC, and other compact devices. No-insulator design realizes low profile 1.6mm height. The locking structure enables assembly workers to get good click feeling to prevent incomplete mating. ES5 series also has misalignment prevention structure on receptacle side. UL/cUL certified.



Cable Side:  
Plug

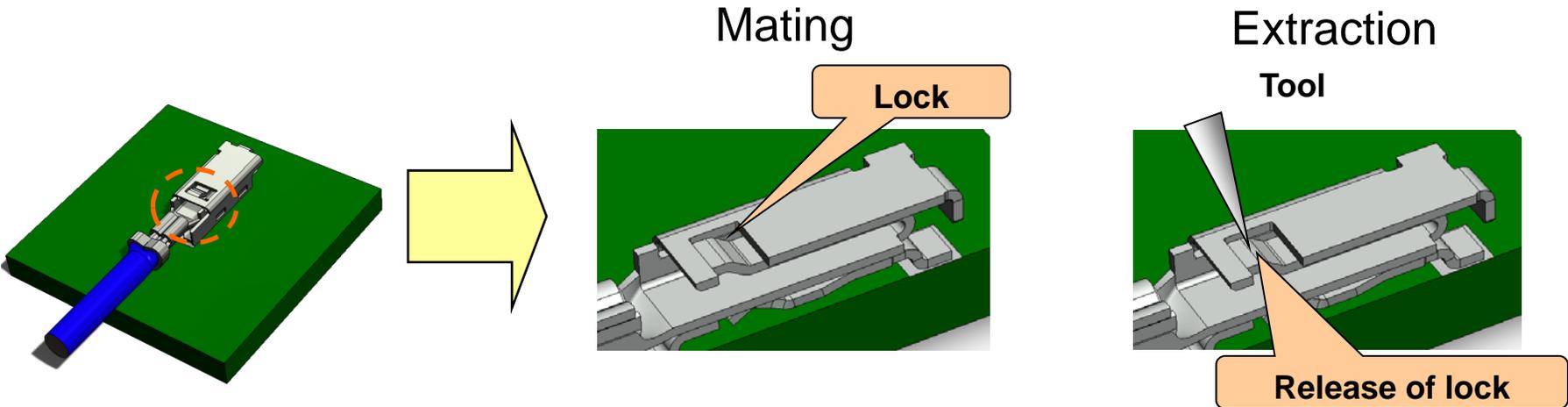


SMT Side:  
Receptacle



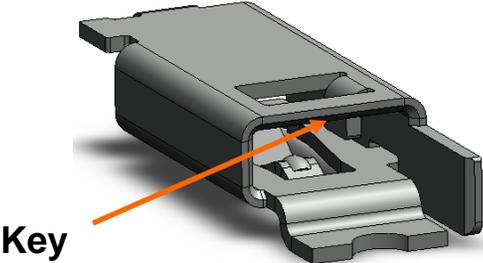
# ES5 Mechanical Structure

## Locking Structure

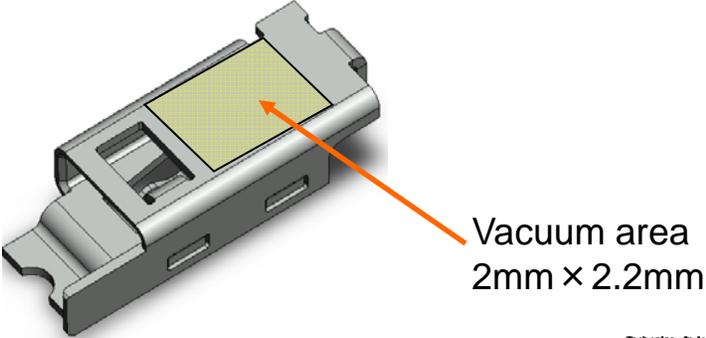


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## Mismating prevention and guide structure

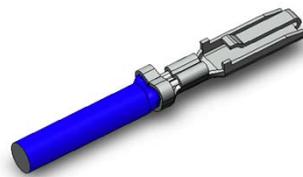


## Automatic mounting



# General Specifications

<b>Number of contacts</b>	1
<b>Rated current</b>	AC/DC 4A
<b>Applicable wire</b>	AWG#26 to #24 (stranded)
<b>Operating temperature</b>	-40 degC to +105 degC
<b>Mated height</b>	1.6mm above board
<b>Mating durability</b>	20 cycles
<b>Contacts</b>	Copper alloy / Tin plating



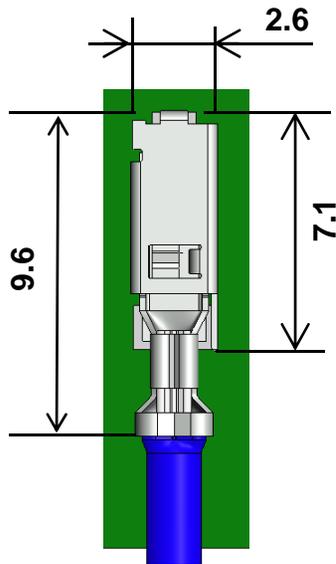
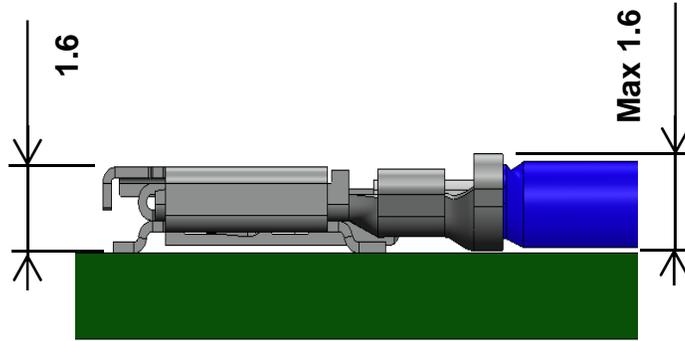
Cable Side:  
Plug



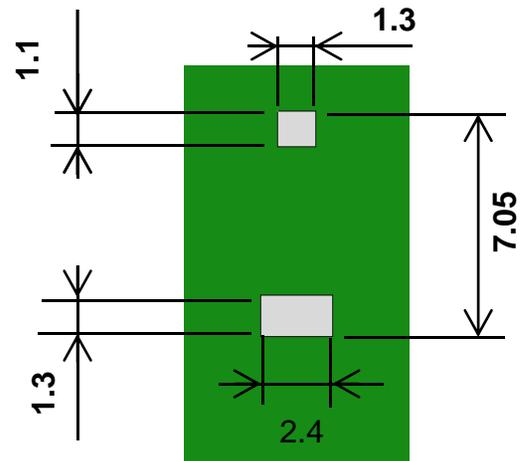
SMT Side:  
Receptacle

# Basic Dimensions

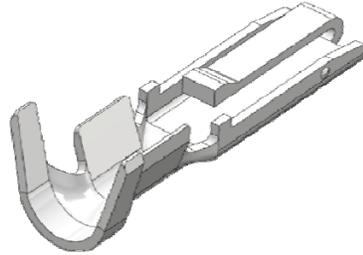
\*All units in mm



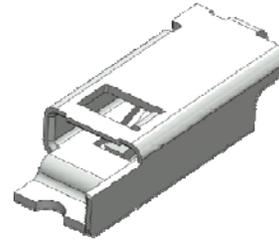
## PCB Footprint



## ES5 Series Part Numbers



ES5P09K5FA

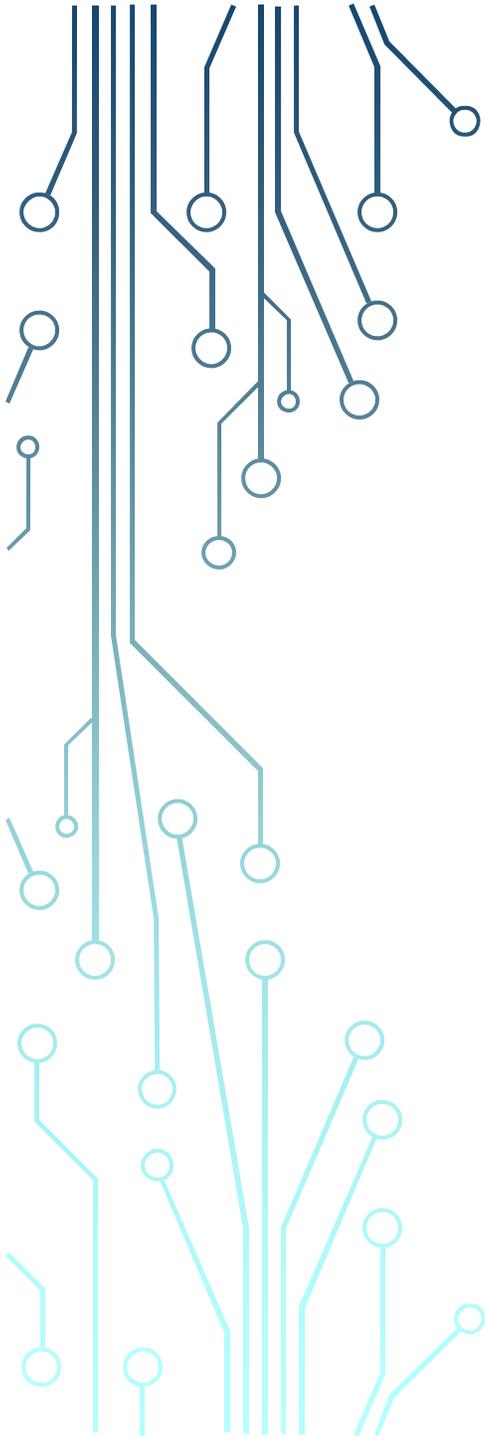


ES5S001JFAR5500

<b>Part Number (cable side)</b>	ES5P09K5FA
<b>Part Number (PCB side)</b>	ES5S001JFAR5500
<b>Connector Specifications</b>	JACS-10914
<b>Crimp Hand Tool</b>	CT150-4-ES5
<b>Semi Auto Applicator</b>	3502-ES5-2
<b>Semi Auto Press</b>	CP215-5B

# Summary

- Single position board-to-cable connector
- Power supply applications include
  - LED Lighting
  - LCD TV backlight
  - Tablet PC
  - Other compact devices
- No-insulator design, low profile 1.6 mm height
- Locking structure enables positive feedback to prevent incomplete mating
- Misalignment prevention structure on receptacle
- UL/cUL certified



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**JAE**