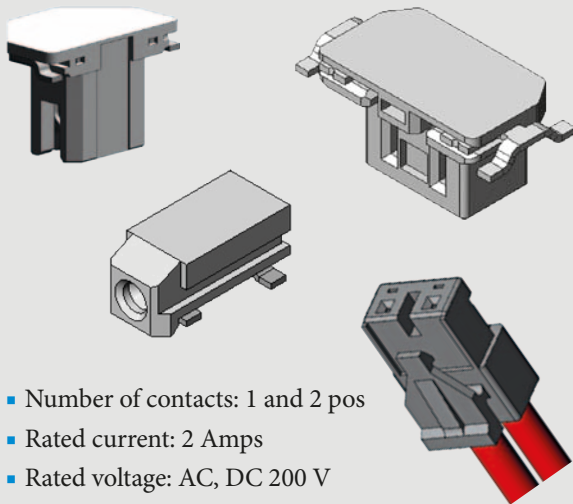


ES3 Series

The ES3 series comprises of **card edge, board-to-cable and direct cable insertion connectors** addressing the LED lighting market. Enabling both **direct connection** and **Board to Wire connections**, the ES3 series offers a low cost solution for the connection between the converter and the LED Mounting board. The pin connector for the LED mounting board allows **reflow solder mounting** to occur at the same time that other LED chips and SMT electrical parts are mounted.

Low-profile design (mounting height: 1.65mm) to prevent interference with emission of LED light. Insulation for pin connector uses white LCP with superior **heat and light resistance** ideal for the mounted environment. Another ES3 family member is the **direct cable insertion type** which just needs one stripped and tinned wire to create a power connection.



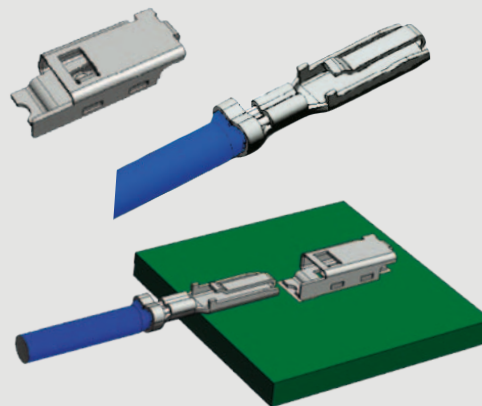
- Number of contacts: 1 and 2 pos
- Rated current: 2 Amps
- Rated voltage: AC, DC 200 V
- Dielectric withstanding voltage: 2000 VACr.m.s. 1 minute
- Connector insertion force: 15 N max.
- Applicable wire: #26 AWG to #22 AWG
- Operating temperature: -40 °C to +105 °C

ES5 Series

Compact, low-profile 1 pin connector compatible with stranded cable.

The ES5 series is well suited for use in a wide range of applications including LED lighting, LCD TV backlight, tablet PC, and other compact devices.

- cULus certification: File No. E351164
- No insulator, low-profile design.
Connector height: 1.6mm
- Detachable locking structure.
Connector retention strength: 16N min
- Mis-mating prevention structure
- Receptacle (SMT side) is available in embossed reel packaging for automated mounting.



- Number of contacts: 1 pos
- Rated current: AC/ DC 4 Amps
- Applicable wire : #26AWG to #24AWG (stranded cable)
- Outer cable diameter: 0.9 to 1.6mm
- Operating temperature range : -40 °C to +105 °C
- Mating cycle: 20 cycles

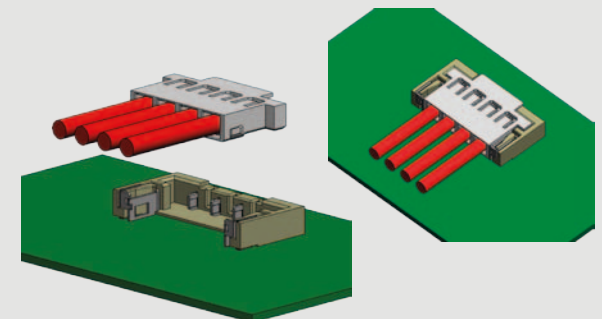
ES9 Series

The ES9 series is a vertical mating Board-to-wire connector with a **low profile**, high retention force structure.

The ES9 will suit in a wide range of applications like backlight units, mobile devices, FA, battery connections and many more.

Vertical mating makes operation easier and extends the flexibility for the designing of the P.C.B

High retention force against pliable cable with **unique lock structure**.



- Applicable wire:
#22 AWG to #26 AWG (O.D 1.0 – 2.1mm)
- Height: 3.0mm (Mated Condition)
- No. of Contacts: 2, 4 Pins
- Plating: Tin over Ni
- Pitch: 3.0 mm
- Mated method: Vertical mating
- Lock Structure
- High retention force

Additional Information

Web Service

Corporate information:

Ever since it was established in 1953, Japan Aviation Electronics Industry Limited has cultivated a high level of technological expertise and has succeeded in creating a wide variety of connection solutions always using the most advanced technology.

JAE's Core Technologies:

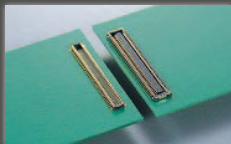
- Contact Reliability / Connection Integrity Technology
- High-speed Transmittal Simulation & Evaluation Technology
- High-precision Processing Technologies such as Stamping / Mold / Assembly
- Surface Treatment Technology

More information:

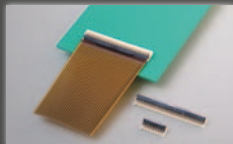
www.rutronik.com/emech.html



Overview



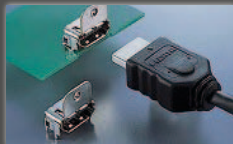
Board to Board



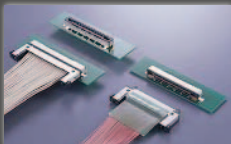
FPC



Circular



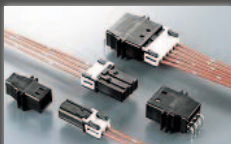
Rectangular



I/O LCD



Card



Automotive

customized connector
solutions on request

www.jae-connectors.com



For more information, please contact your Rutronik sales team or our product marketing:

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