

cd / klm

SMD Push-to-Fix (P2F)

Reflowable fixing element for LED boards

BJB///OEM-Line







Waterproof luminaire with cover

luminaire

luminaire

table lamps

SMD P2F - Fixing element for LED boards. It's a snap!"

module

New from BJB: For a particularly quick and easy installation of LED boards in luminaire housings, we have developed the reflowable SMD P2F fixing element. It is suitable for LED boards in linear and panel type luminaires.

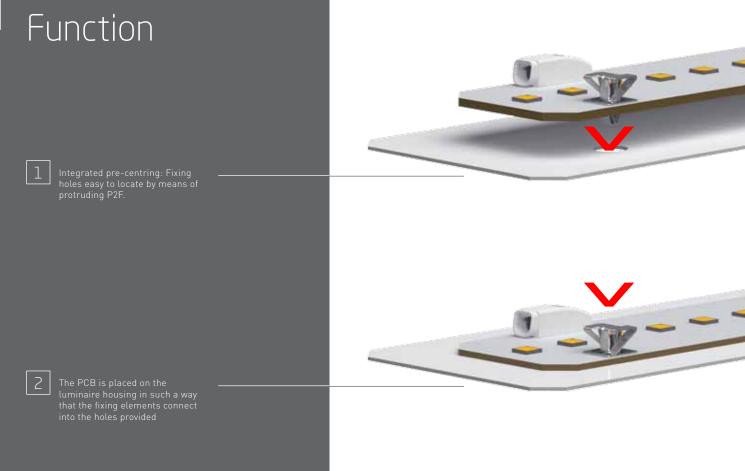
The special feature here is the pre-fixing of the P2F, which is soldered onto the surface by means of a solder plate during the SMD assembly process. During final installation, the PCB is then securely fixed by simply clicking it into the housing. This can be performed either manually or automatically.

Simple, Snap-in assembly: LED board with SMD terminal block and pre-fixed SMD P2F fixing elements

Components

SMD P2F solderable Packaging unit Manual setting tool





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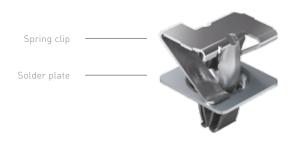
The spring clip is pressed into its final position either automatically or by means of a manual setting tool. In this way, the PCB is permanently connected to the luminaire mounting plate with a defined contact pressure.



A solution which makes using LEDs even easier

We supply SMD P2F fixing elements for LED boards ready made-up in tape-and-reel form. For automatic SMD assembly, an appropriate footprint has to be provided on the PCB as well as a cut-out of \emptyset 4.5 mm.

For fixing each LED board, a cut-out of \emptyset 3.0 mm is required in the mounting plate.



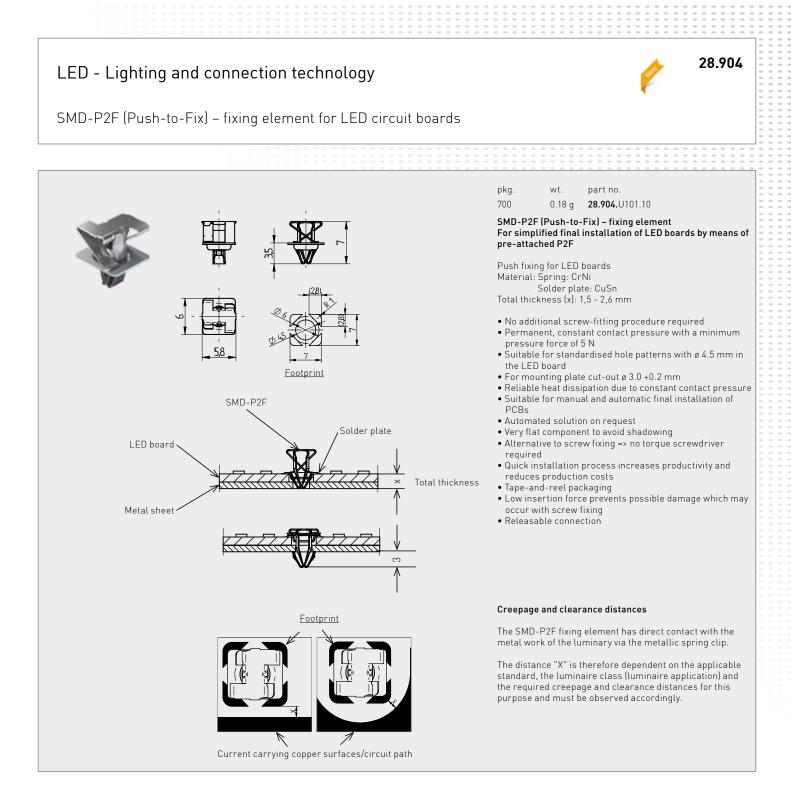


Demands and challenges

- time-consuming production process with screws increased supply costs
- \cdot no defined contact pressure with self-tapping screws
- Screws do not guarantee a long-term defined contact pressure
- · Screw heads can cause shadowing

Advantages

- simplified final installation by means of pre-fixed components
- · reduction in number of work stages in final installation
- · variable package thickness of 1.5 to 2.6 mm
- \cdot high-strength, elastic spring clips
- \cdot guarantee a permanent contact pressure
- lowest possible protrusion above the PCB prevents shadowing
- · flush-fit snap connection
- \cdot only one component for fixing
- \cdot shock and vibration resistant





Package thickness: 1.5 - 1.7 mm





SMD-P2F - Ideal for the automated production of LED luminaires

Maximum production efficiency is achieved when LED boards are installed automatically. This is where the SMD-P2F demonstrates its greatest value. Our BJB Automation division designs systems to suit your requirements. This enables you to achieve maximum levels of quality and efficiency to simplify complex assembly processes.

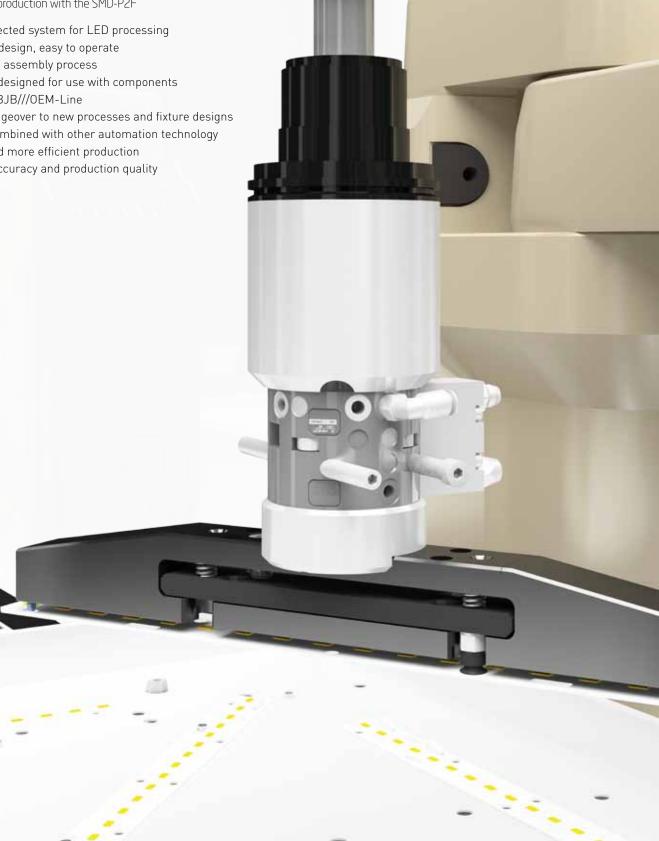




An overview of the most important features

Automated production with the SMD-P2F

- · ESD-protected system for LED processing
- · Compact design, easy to operate
- · Simplified assembly process
- · Perfectly designed for use with components from the BJB///OEM-Line
- \cdot Easy changeover to new processes and fixture designs
- \cdot Can be combined with other automation technology
- · Faster and more efficient production
- \cdot Greater accuracy and production quality



ABOUT BJB

BJB was founded in 1867 by Friedrich Wilhelm Brökelmann, Franz Jäger and Gustav Busse. The business began as a factory for petroleum lamps and developed into a company which manufactured components for establishing the connection between power supply and light. Today, BJB is a lighting technology brand which supplies innovative solutions to the lighting and domestic appliance industries worldwide.

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