Solderless Press-fit interconnect components

ADVANTAGES

> Solderless technology to assemble the terminal to printed circuit boards,
> Interconnect components consisting of assembled or overmoulded EON-compliant Press-fit connections,
> Compliant with the RoHS environmental standard.

GENERAL CHARACTERISTICS

> 0.4 to 1.0 mm thickness Press-fits,
> “Eye of the Needle” specific design,
> Operating temperature : up to 125°C,
> Low and high current versions,
> Accurate pin location and minimal plated through-hole distortion,
> Compliant with the CEI60352-5 standard.

APPLICATIONS

> Automotive (Sensors, Airbags, command and control modules, Stop and Start command modules),
> Electricity (Power converters, circulator modules)
> Electronics (mechatronics applications).

www.loupot.com
Solderless Press-fit interconnect component

TECHNICAL CHARACTERISTICS

Raw material: Bronze CuSn6
Maximum thickness: 1 mm
Surface treatment: RoHs compatible pure Sn

> Compatible with different types of PCB plating (Sn, NiAu, Ag)
> Avoids post-soldering, leading to lower cost and better productivity
> Avoids thermal stresses created by additional flow solder operations
> Excellent mechanical retention and electrical contact
> Available for different PCB thicknesses (standard: 1.6 mm)

MECHANICAL CHARACTERISTICS

INSERTION FORCE

is characterized depending on the plated-through hole tolerances for each plating type.

0.6 mm EON Press-fit

0.8 mm EON Press-fit

EXTRACTION FORCE

Is characterized depending on the plated-through hole tolerances for each plating type. The minimum extraction force is > 50N.

ELECTRICAL PROPERTIES

Maximum current: 10 Amps at ambient temperature of 25°C for 0.6 mm thickness Press-fit.

Maximum current: 20 Amps at ambient temperature of 25°C for 0.8 mm thickness Press-fit.

INSERTION MACHINES

LOUPOT offers a wide range of fully automatic and semi-automatic insertion machines for the insertion of Press-fit terminals.

These stand-alone or in-line machines are integrated into the PCB processes.

To guarantee the process quality, our machines come fully equipped with vision inspection and force sensors to ensure correct insertion of all terminals.