

General

| | |
|-----------------------|--------------------------------|
| Productgroup | LF PowerOne |
| Mounting type | Massive Pressfit Techn |
| Material | Brass lead-free (max. 0.1% Pb) |
| Surface | tin |
| Customs tariff number | |
| Country of origin | Federal Republic of Germany |
| Weight per pieces ~ | 0.029250 kg |

Technical data

| | |
|------------------------------|----------------------|
| Terminal / Type | Bolt / Metric |
| Thread/Diameter x Length | 10.000 mm x 16.00 mm |
| Torque | 17.00 Nm |
| Socket length x Socket width | 16.000 mm x 16.00 mm |
| Socket height | 8.00 mm |
| Socket rounded | no |
| Height total | 27.50 mm |
| Height over pcb | 24.00 mm |
| No. of Pins | 36 |
| Pin length | 3.50 mm |
| Grid dimension X / Y | 2.54 mm / 2.54 mm |
| Pin alignment | Full plain |

Processing

| | |
|-----------------|-------------------------------|
| Press in force | 2160 N up to 9000 N |
| Retention force | 60-80 % of press-in force |
| Press-in speed | 100 mm/min. up to 250 mm/min. |
| PCB thickness | 1.60 mm up to 3.20 mm |
| Notice | |

Current carrying capacity

| | |
|--------------------------|-----------------------|
| Part (20°C) ~ / (85°C) ~ | 360.000 A / 216.000 A |
|--------------------------|-----------------------|

Usage and storage

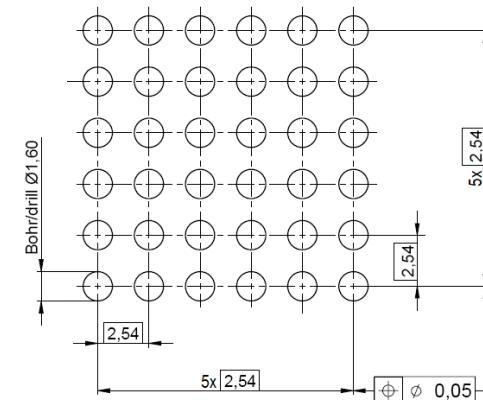
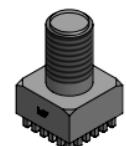
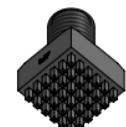
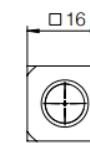
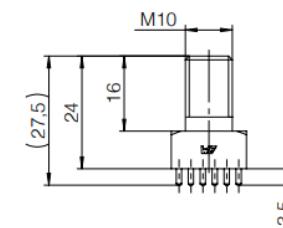
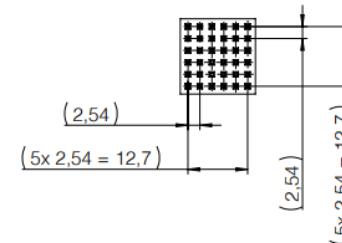
| | |
|--------------------|---|
| Temperature | -40°C up to +150°C |
| Storage | dry environment protected from weather conditions |
| Storage conditions | at +5°C up to +40°C, 75% RH, non-condensing |

Accessories

Press in tool

Co-applicable documents

Powerelement Guidelines

[Link to Powerelement Guidelines](#)**Standard drill pattern****Dimensions****Drill hole specification for PCB**

| | | | |
|---------|--|-----------------------|---|
| Drill Ø | | drill tool | 1,60 mm |
| | | drill hole | 1,60 mm - 0,025 mm |
| Cu | | Cu - in Hole | Average 30 µm - 60 µm min. 25 µm, max. 80 µm * |
| End Ø | | HAL chem. surfaces | (1,450 mm +/- 0,05 mm) (1,475 mm +/- 0,05 mm) |

Note: For Press-fit Technology drill diameter and copper thickness are fix. End Ø for reference only.

* single measurement points in microsection



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General tolerances

DIN ISO 2768-mH

Projection mode

Revison

D

Date

13.11.25

All measures in

mm

Part no.**LF992110****Description****LF PowerOne Bolt vertical**