

### General

|                       |                                |
|-----------------------|--------------------------------|
| Productgroup          | LF PowerOne                    |
| Mounting type         | Massive Pressfit Techn         |
| Material              | Brass lead-free (max. 0.1% Pb) |
| Surface               | tin                            |
| Customs tariff number | 85369095                       |
| Country of origin     | Federal Republic of Germany    |
| Weight per pieces ~   | 0.004990 kg                    |

### Technical data

|                          |                    |
|--------------------------|--------------------|
| Terminal / Type          | Bolt / Metric      |
| Thread/Diameter x Length | 5.000 mm x 8.00 mm |
| Torque                   | 2.20 Nm            |

|                              |                    |
|------------------------------|--------------------|
| Socket length x Socket width | 9.000 mm x 9.00 mm |
| Socket height                | 4.50 mm            |
| Socket rounded               | no                 |
| Height total                 | 16.00 mm           |
| Height over pcb              | 12.50 mm           |
| No. of Pins                  | 16                 |
| Pin length                   | 3.50 mm            |
| Grid dimension X / Y         | 2.54 mm / 2.54 mm  |
| Pin alignment                | Full plain         |

### Processing

|                 |                               |
|-----------------|-------------------------------|
| Press in force  | 960 N up to 4000 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) ~ | 160.000 A / 96.000 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       |

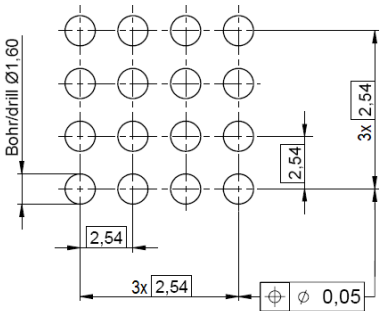
### Accessories

|               |  |
|---------------|--|
| Press in tool |  |
|---------------|--|

### Co-applicable documents

|                         |                                                 |
|-------------------------|-------------------------------------------------|
| Powerelement Guidelines | <a href="#">Link to Powerelement Guidelines</a> |
|-------------------------|-------------------------------------------------|

### Standard drill pattern



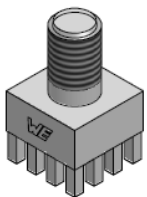
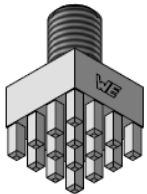
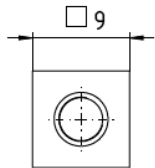
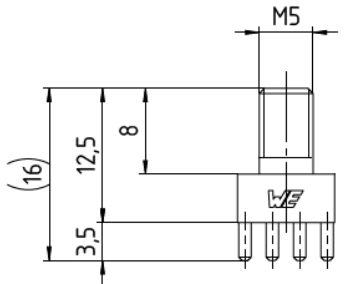
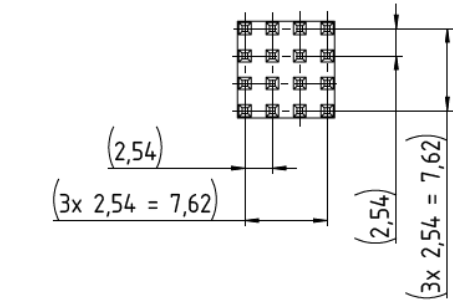
### Drill hole specification for PCB

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

### Dimensions



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MORE THAN  
YOU EXPECT

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General tolerances

DIN ISO 2768-mH

Projection mode



Revision

Date

All measures in

B

28.07.25

mm

Part no.

**LF992105**

Description

**LF PowerOne Bolt vertical**



RoHS  
COMPLIANT  
LEAD-FREE  
Pb < 0,1 %