

### General

|                       |                             |
|-----------------------|-----------------------------|
| Productgroup          | PowerOne                    |
| Mounting type         | Massive Pressfit Techn      |
| Material              | Brass                       |
| Surface               | tin                         |
| Customs tariff number | 85369095                    |
| Country of origin     | Federal Republic of Germany |
| Weight per piecs ~    | 0.003530 kg                 |

### Technical data

|                          |                              |
|--------------------------|------------------------------|
| Terminal / Type          | Bush through hole / Diameter |
| Thread/Diameter x Length | 4.200 mm x 0.00 mm           |
| Torque                   | 0.00 Nm                      |

|                              |                    |
|------------------------------|--------------------|
| Socket length x Socket width | 7.000 mm x 7.00 mm |
| Socket height                | 3.00 mm            |
| Height total                 | 17.00 mm           |
| Height over pcb              | 14.00 mm           |
| No. of Pins                  | 6                  |
| Pin length                   | 3.00 mm            |
| Grid dimension X / Y         | 2.54 mm / 2.54 mm  |
| Pin alignment                | Two row            |

### Processing

|                 |                               |
|-----------------|-------------------------------|
| Press in force  | 240 N up to 1500 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) ~ | 60.000 A / 36.000 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     |

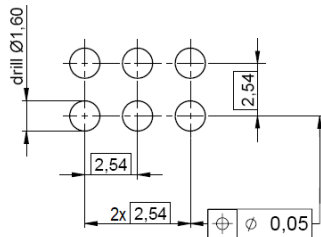
### Accessories

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

### Co-applicable documents

|                         |                                 |
|-------------------------|---------------------------------|
| Powerelement Guidelines | Link to Powerelement Guidelines |
|-------------------------|---------------------------------|

### Standard drill pattern



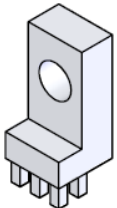
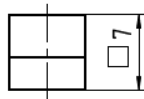
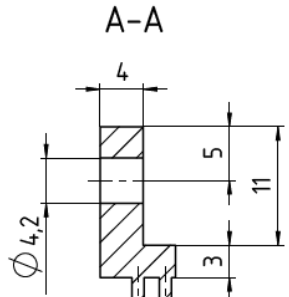
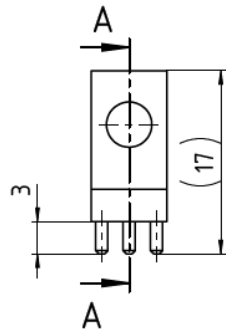
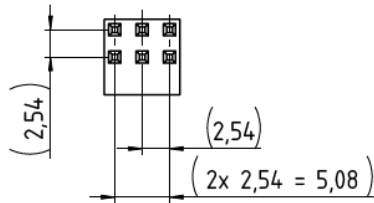
### Drill hole specification for PCB

|         |  |                |                                                   |
|---------|--|----------------|---------------------------------------------------|
| 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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General tolerances

DIN ISO 2768-mH

Projection mode



Revision

A

Date

01.07.25

All measures in

mm

Part no.

**K96564**

Description

**PowerOne Bracket**



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