

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 piëcs ~	0.024520 kg

Technical data

Terminal / Type	Bolt / Metric
Thread/Diameter x Length	8.000 mm x 18.00 mm
Torque	9.00 Nm

Socket length x Socket width	13.000 mm x 13.00 mm
Socket height	12.50 mm
Socket rounded	yes
Height total	34.00 mm
Height over pcb	30.50 mm
No. of Pins	25
Pin length	3.50 mm
Grid dimension X / Y	2.54 mm / 2.54 mm
Pin alignment	Full plain

Processing

Press in force	1000 N up to 6250 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) ~ 250.000 A / 150.000 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

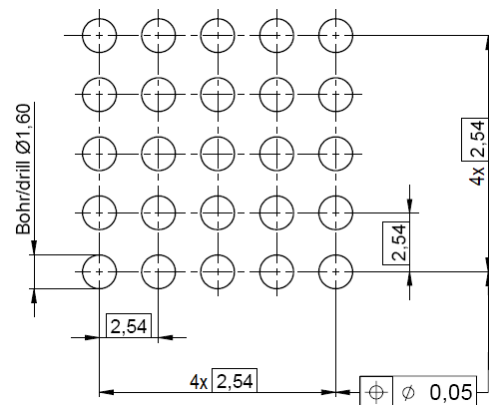
Accessories

Press in tool

Co-applicable documents

Powerelement Guidelines	Link to Powerelement Guidelines
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Standard drill pattern



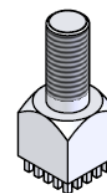
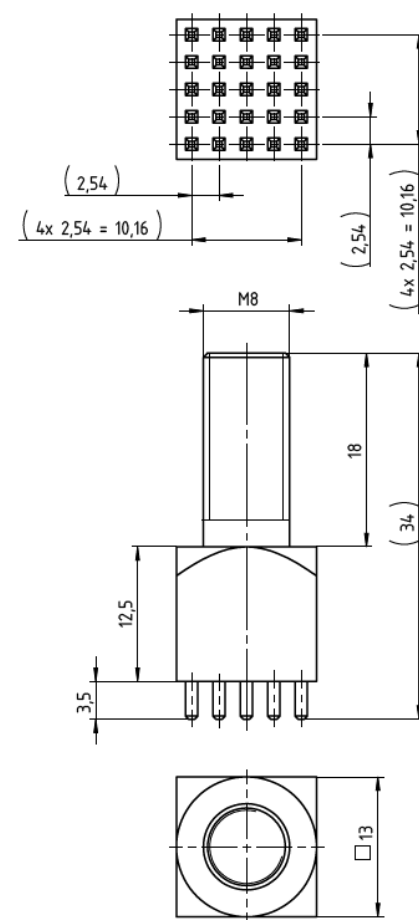
Drill hole specification for PCB

Drill Ø		drill tool drill hole	1,60 mm 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

Dimensions



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General tolerances

DIN ISO 2768-mH

Projection mode



Revison

B

Date _____

01.07.25

All measures in

mm

Part no.

K96447

Description

PowerOne Bolt



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