

General

Productgroup	PowerOne TH
Mounting type	THR
Material	Brass
Surface	tin-plated +
Customs tariff number	85369095
Country of origin	
Weight per piece ~	0.004700 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	10.000 mm x 10.00 mm
Socket height	3.00 mm
Socket rounded	no
Height total	13.00 mm
Height over pcb	10.00 mm
No. of Pins	9
Pin length	2.50 mm
Grid dimension X / Y	4.44 mm / 4.44 mm
Pin alignment	Full plain

Processing

PCB thickness	1.60 mm up to 3.20 mm
Notice	

Current carrying capacity

Part (20°C) ~ / (85°C) ~	135.000 A / 81.000 A
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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

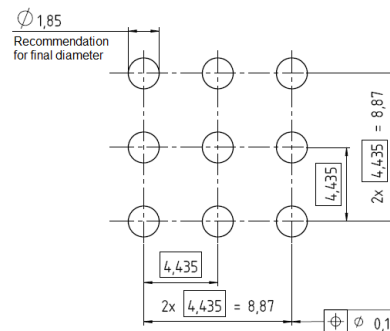
Accessories

Press in tool

Co-applicable documents

Powerelement Guidelines [Link to Powerelement Guidelines](#)

Standard drill pattern

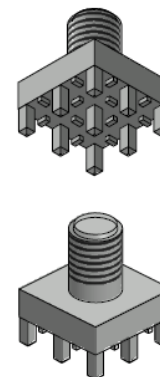
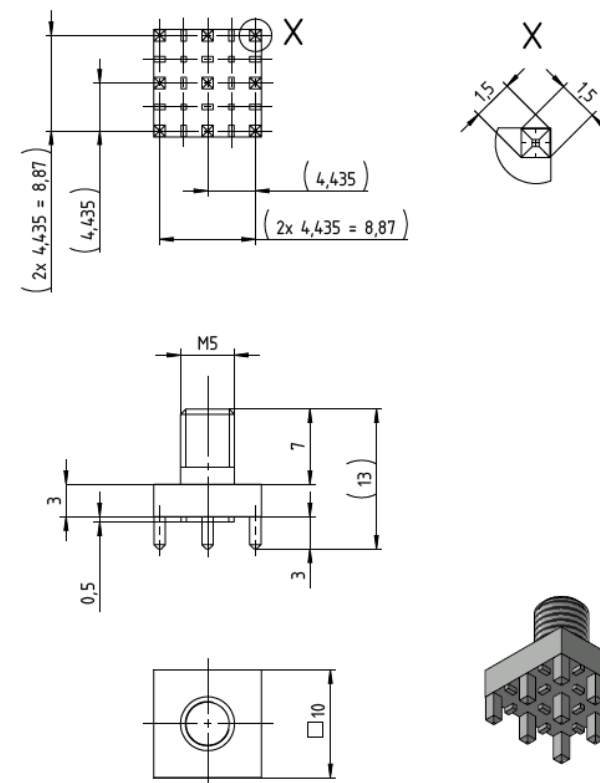


Drill hole specification for PCB

Cu		Cu – in Hole	Average min. 25 μ m *
End $\varnothing$		HAL chem. surfaces	(1,850 mm +0,1 / -0,05 mm) (1,850 mm +0,1 / -0,05 mm)
Note:	For Press-fit Technology drill diameter and copper thickness are fix. End $\varnothing$ for reference only.		

* single measurement points in microsection

Dimensions



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General tolerances

DIN ISO 2768-mH

Projection mode



Revision

Date
03.07.25

All measures in
mm

Part no.

K902649

Description

PowerOne THR Bolt



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