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 ~ 0.016480 kg

Technical data

Terminal / Type Bolt / Metric

Thread/Diameter x Length 6.000 mm x 12.00 mm

Torque 3.90 Nm

Socket length x Socket width 16.000 mm x 16.00 mm

Socket height 5.60 mm Socket rounded no Height total 22.60 mm 19.10 mm Height over pcb No. of Pins 25 Pin length 3.50 mm

Grid dimension X / Y 2.54 mm / 2.54 mm

Full plain Pin alignment

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

dry environment protected from weather Storage

Storage conditions at +5°C up to +40°C, 75% RH,

non-condensing

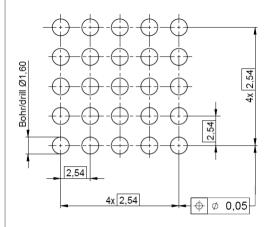
Accessories

Press in tool

Co-applicable documents

Link to Powerelement Guidelines Powerelement Guidelines

Standard drill pattern

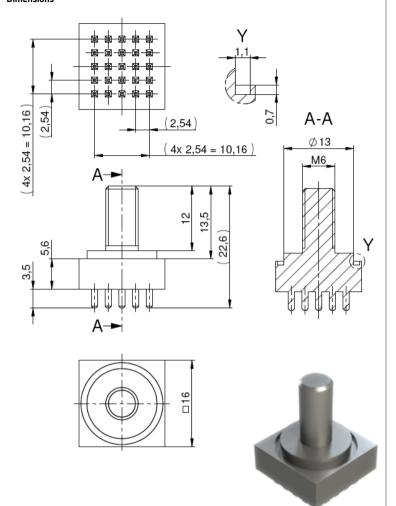


Drill hole specification for PCB

Drill Ø		drill tool drill hole	1,60 mm 1,60 mm - 0,025 mm
Cu	Cu-H	Cu – in Hole	Average 30 μm – 60 μm min. 25 μm, max. 80 μm *
End Ø	I A	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.

Dimensions





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Generaltolerances DIN ISO 2768-mH

В

Projection mode



Revison Date 23.06.25

All measures in mm

Part no.

K94277

Description

PowerOne Bolt







^{*} single measurement points in microsection