

General

Productgroup	LF PowerOne
Mounting type	Massive Pressfit Techn
Material	Brass lead-free (max. 0.1% Pb)
Surface	tin
Customs tariff number	
Country of origin	Federal Republic of Germany
Weight per pieces ~	0.029250 kg

Technical data

Terminal / Type	Bolt / Metric
Thread/Diameter x Length	10,000 mm x 16,00 mm
Torque	17,00 Nm
Socket length x Socket width	16,000 mm x 16,00 mm
Socket height	8,00 mm
Socket rounded	no
Height total	27,50 mm
Height over pcb	24,00 mm
No. of Pins	36
Pin length	3,50 mm
Grid dimension X / Y	2,54 mm / 2,54 mm
Pin alignment	Full plain

Processing

Press in force	2160 N up to 9000 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) ~	360.000 A / 216.000 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

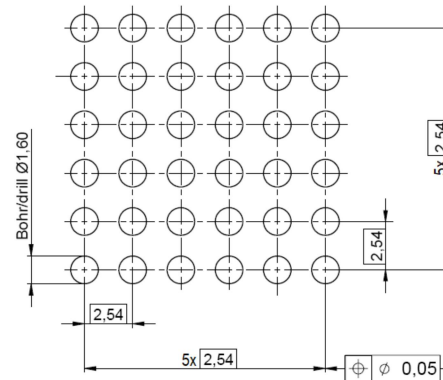
Accessories

Press in tool	
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Co-applicable documents

Powerelement Guidelines	Link to Powerelement Guidelines
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Standard drill pattern



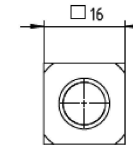
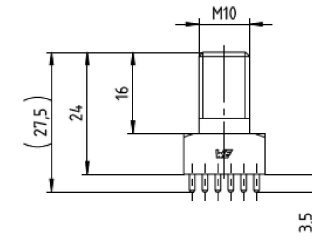
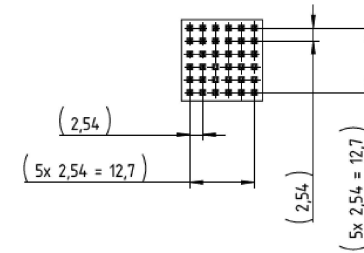
Drill hole specification for PCB

Drill Ø		drill tool	1,60 mm
		drill hole	1,60 mm - 0,025 mm
Cu		Cu - in Hole	Average 30 µm - 60 µm 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

Revision
B

Date
26.09.25

Projection mode



All measures in
mm

Part no.

LF992110

Description

LF PowerOne Bolt vertical

