

General

Productgroup	LF PowerPlus
Mounting type	Massive Pressfit Techn
Material	Lead-free Brass
Surface	tin
Customs tariff number	85369095
Country of origin	Federal Republic of Germany
Weight per piecs ~	0.013750 kg

Technical data

Terminal / Type	Bolt / Metric
Thread/Diameter x Length	8.000 mm x 14.20 mm
Torque	16.00 Nm
Socket length x Socket width	15.400 mm x 15.40 mm
Socket height	12.00 mm
Height total	36.00 mm
Height over pcb	31.00 mm
No. of Pins	16
Pin length	5.00 mm
Grid dimension X / Y	2.84 mm / 2.84 mm
Pin alignment	Circumference

Processing

Press in force	960 N up to 4000 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 / 200.000 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

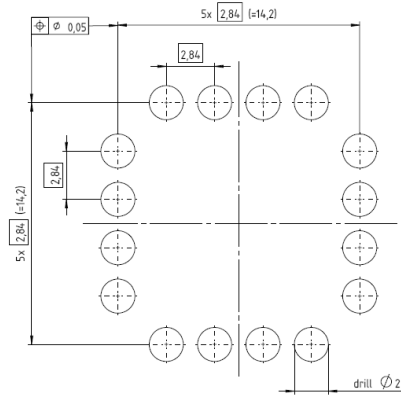
Accessories

Press in tool	Press-Fit tool bush, for PowerPlus 2.0 bolt M8
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Co-applicable documents

Powerelement Guidelines	Link to Powerelement Guidelines
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Standard drill pattern

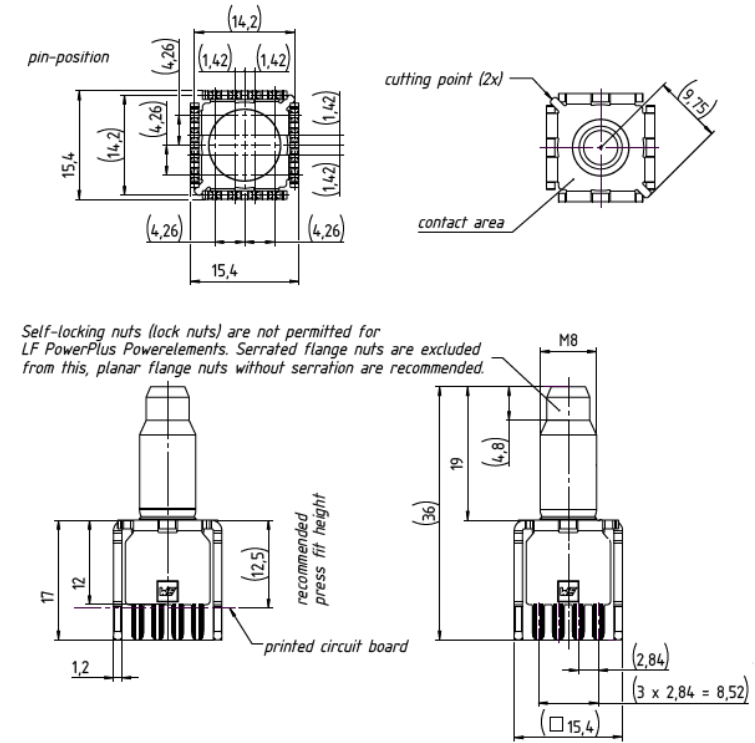


Drill hole specification for PCB

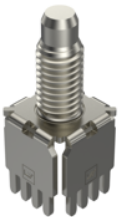
Drill Ø		drill tool	2,00 mm
		drill hole	2,00 mm – 0,025 mm
Cu		Cu – in Hole	Average 30 µm – 60 µm min. 25 µm, max. 80 µm *
End Ø		HAL chem. surfaces	(1,850 mm +/- 0,05 mm) (1,875 mm +/- 0,05 mm)
Note:	For Press-fit Technology drill diameter and copper thickness are fix. End Ø for reference only.		

* single measurement points in microsection

Dimensions



Press-fit-tool information



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General tolerances

DIN ISO 2768-mH

Projection mode



Revision

B

Date

25.06.25

All measures in

mm

Part no.

S900557

Description

LF PowerPlus 2.0 Bolt

