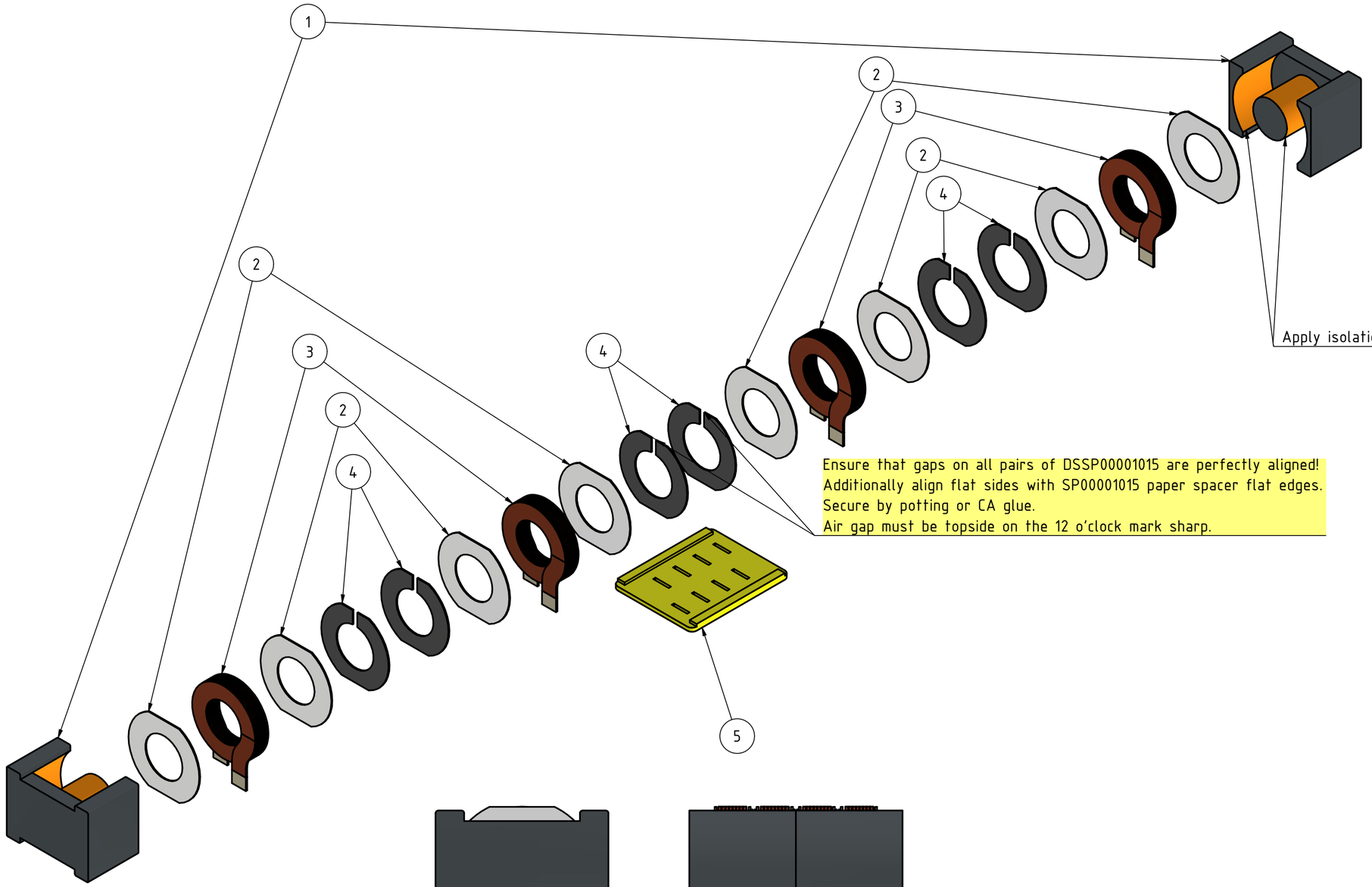
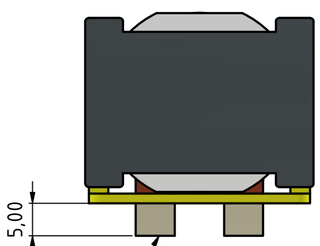
BILL OF MATERIALS		
Item	Description	Quantity
1	PQ35 custom shaped core halve	2
2	SP00001015 isolation spacer	8
3	coil winding	4
4	DSSP00001016 silicone steel ring	6
5	BP00001015 FR4 base	1

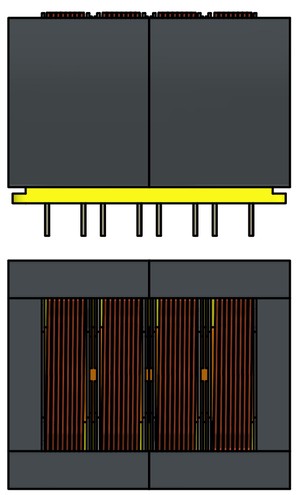


Apply isolation layer to inner walls and column of the core halves.

Ensure that gaps on all pairs of DSSP00001015 are perfectly aligned!
Additionally align flat sides with SP00001015 paper spacer flat edges.
Secure by potting or CA glue.
Air gap must be topside on the 12 o'clock mark sharp.

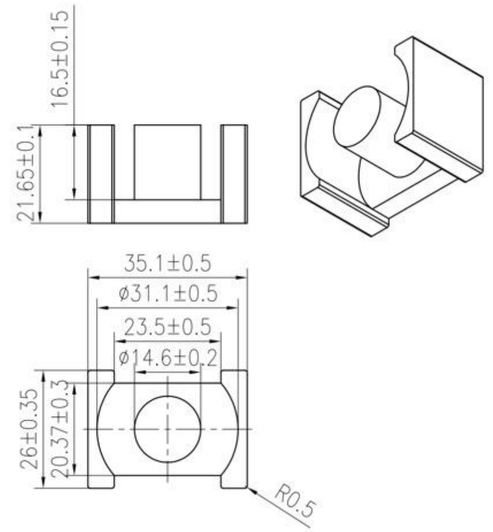


Remove varnish & apply tin on exposed terminals



PQ35 core halve detail

DMEGC R10K PQ 35

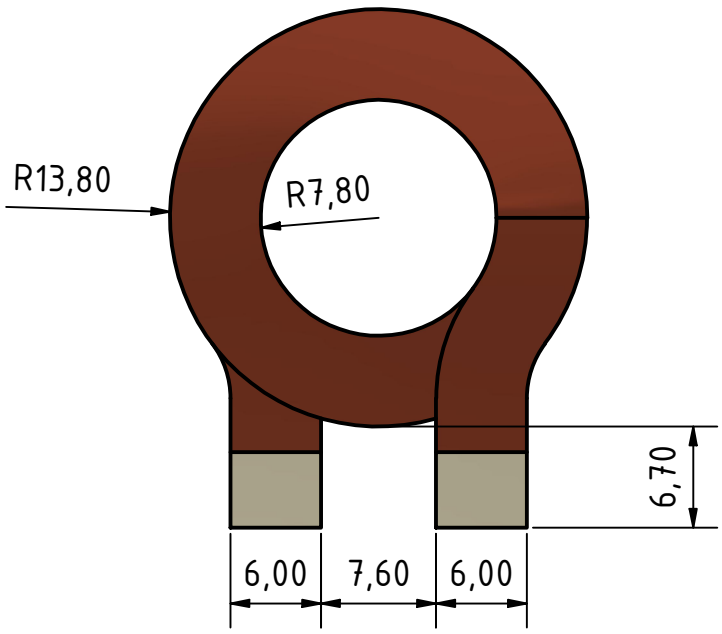


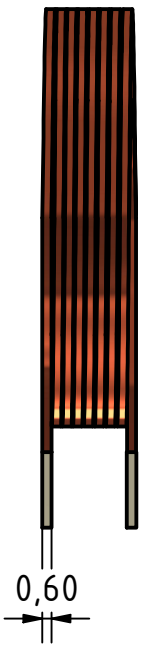
					Datum	Name
				Gezeich	02.07.2025	Wernegger
				Kontroll		
				Norm		
Status	Änderungen	Datum	Name			

MG100001015 CM inductor 1 A2

Coil specifications

- 8 turns
- profile 6x0.6mm
- varnish coating withstanding 320 VAC





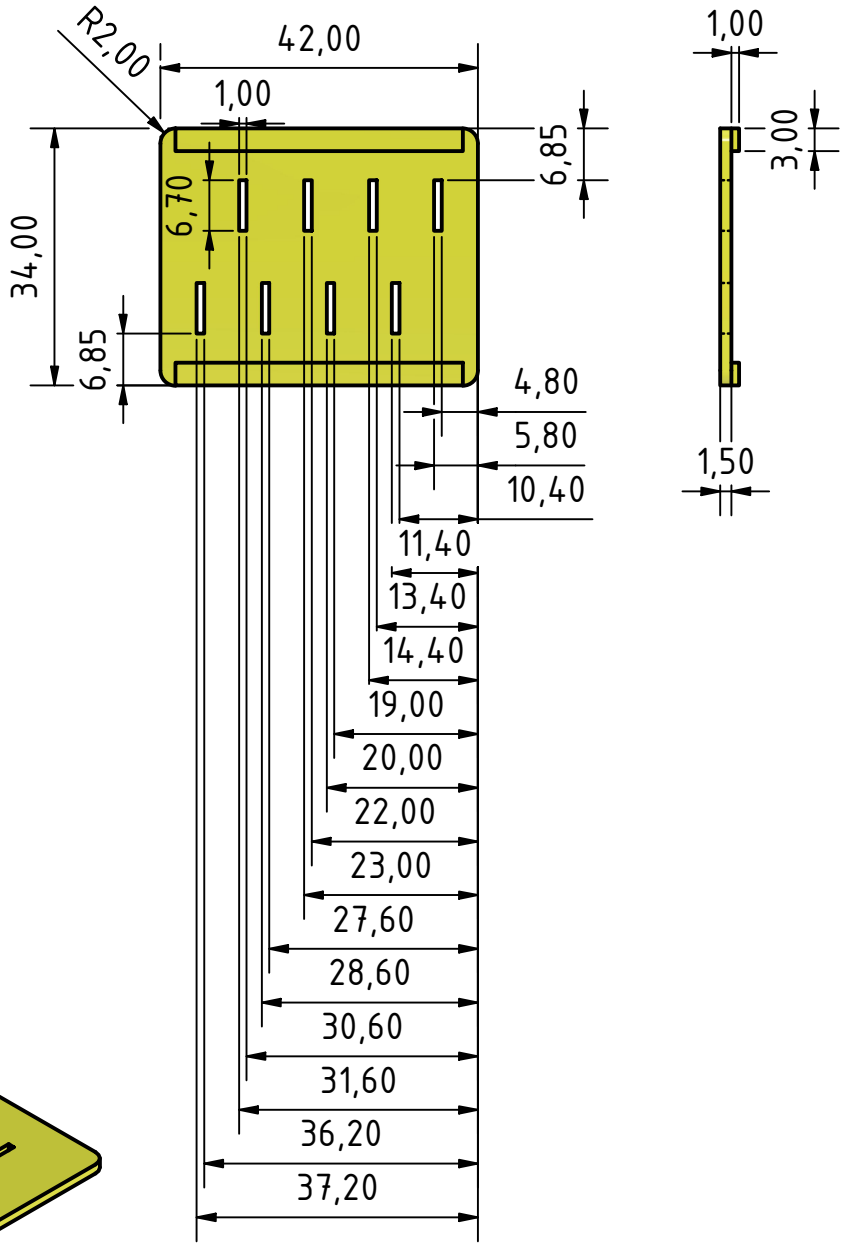
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				Kontroll		
				Norm		
Status	Änderungen	Datum	Name			

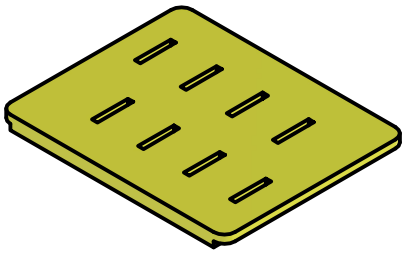
MG100001015 CM inductor

2

A4

PARTS LIST		
OBJEKT	ANZAHL	BAUTEILNUMMER
1	1	BP00001015





Material: FR4

	Datum	Name
Gezeich	02.07.2025	Wernegger
Kontroll		
Norm		

MG100001015 CM inductor

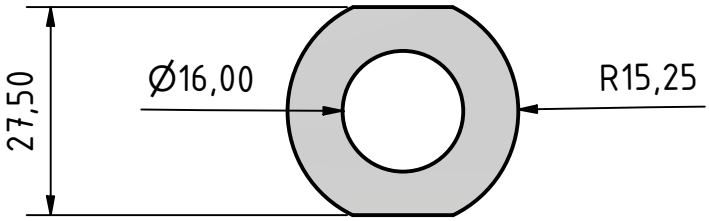
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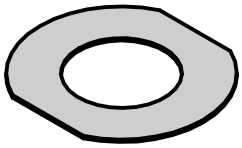
A4

Status	Änderungen	Datum	Name

PARTS LIST		
OBJEKT	ANZAHL	BAUTEILNUMMER
1	1	SP00001015







					Datum	Name
				Gezeich	02.07.2025	Wernegger
				Kontroll		
				Norm		
Status	Änderungen	Datum	Name			

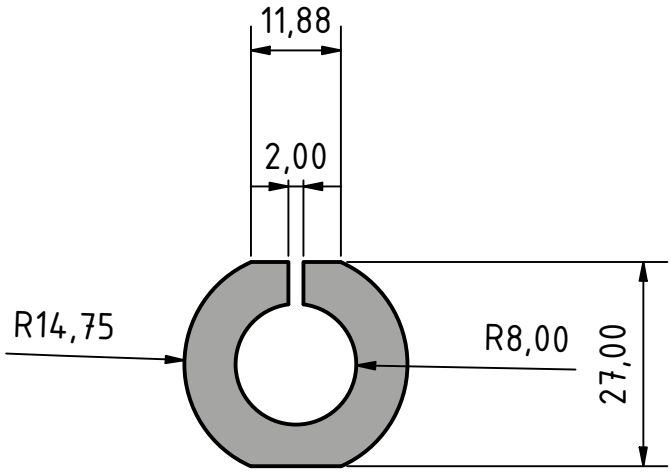
Material: NOMEX paper

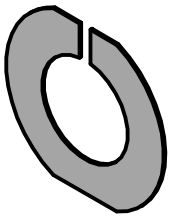
MG100001015 CM inductor

4

A4

PARTS LIST		
OBJEKT	ANZAHL	BAUTEILNUMMER
1	1	DSSP00001016





					Datum	Name
				Gezeich	02.07.2025	Wernegger
				Kontroll		
				Norm		

Material: silicone steel
Waelzholz N030/N035

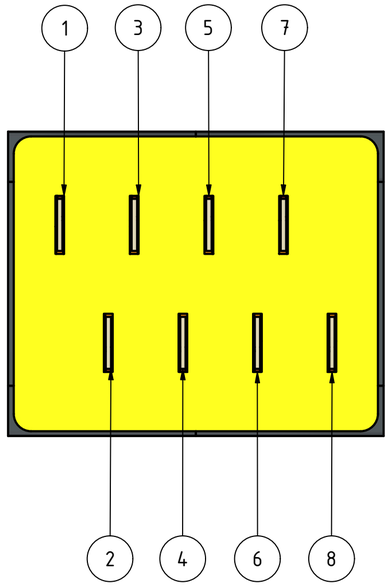
MG100001015 CM inductor

5

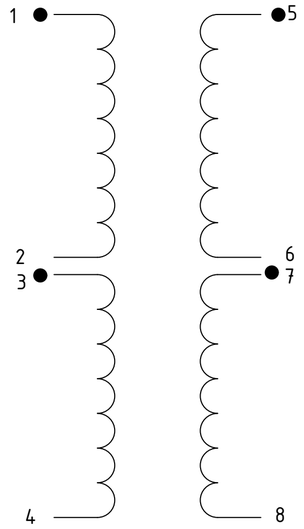
A4

Status	Änderungen	Datum	Name

Pinout



Electrical diagram



Magnetic specs & test conditions:

> 0.9mH common mode inductance measured @ 0A / 150kHz

measure between pin 1 + 2, make sure all other connections are open circuit

					Datum	Name
				Gezeich	02.07.2025	Wernegger
				Kontroll		
				Norm		
Status	Änderungen	Datum	Name			

MG100001015 CM inductor 6

A2