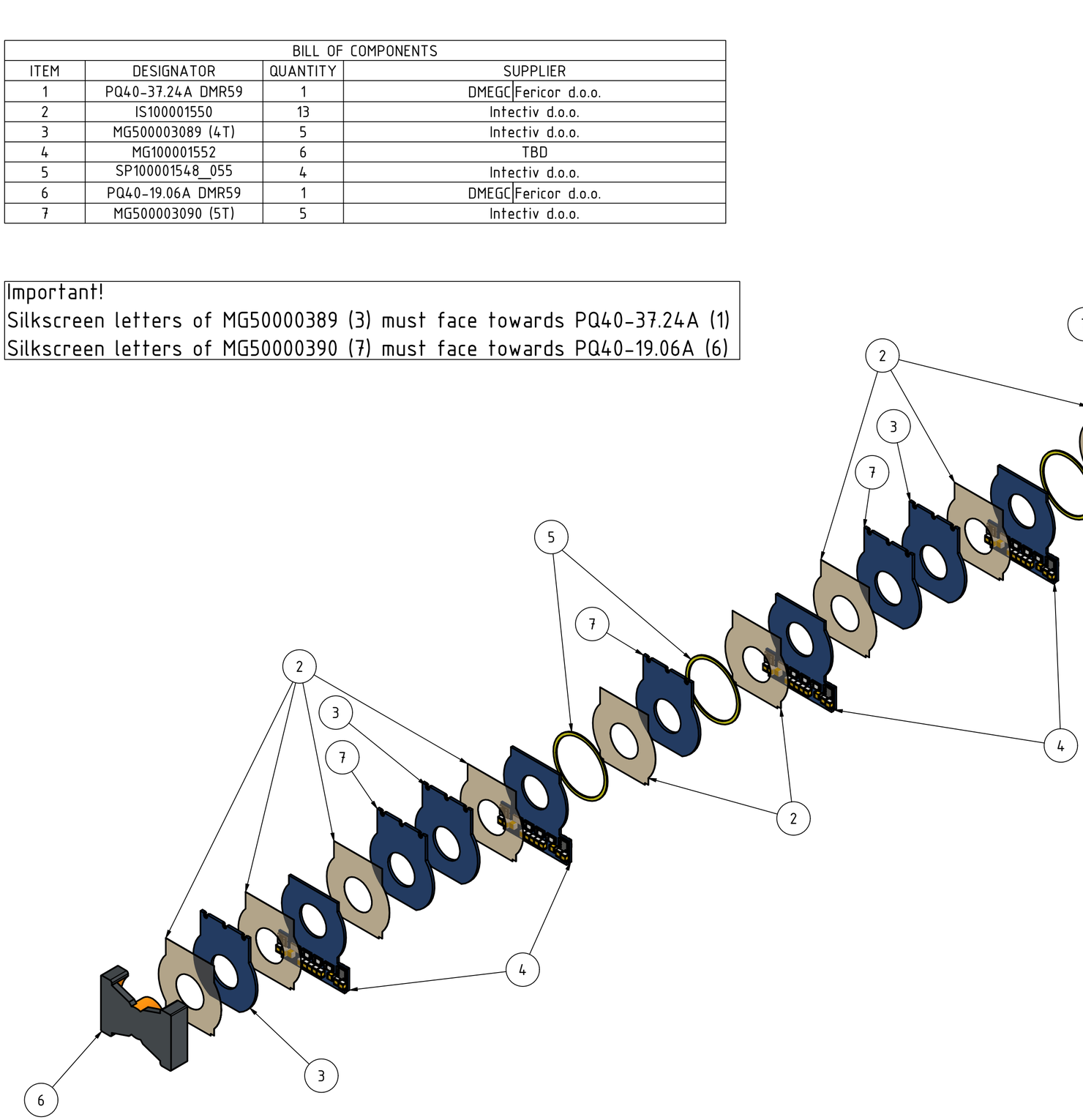
BILL OF COMPONENTS			
ITEM	DESIGNATOR	QUANTITY	SUPPLIER
1	PQ40-37.24A DMR59	1	DMEGC|Fericor d.o.o.
2	IS100001550	13	Intectiv d.o.o.
3	MG500003089 (4T)	5	Intectiv d.o.o.
4	MG100001552	6	TBD
5	SP100001548_055	4	Intectiv d.o.o.
6	PQ40-19.06A DMR59	1	DMEGC|Fericor d.o.o.
7	MG500003090 (5T)	5	Intectiv d.o.o.

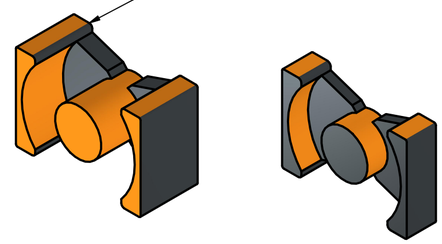
Important!
Silkscreen letters of MG50000389 (3) must face towards PQ40-37.24A (1)
Silkscreen letters of MG50000390 (7) must face towards PQ40-19.06A (6)



Place Kapton tape on:
- center column
- inner walls
- narrow side walls facing PCBs

for both PQ40-37.24A & PQ40-19.06A

- top surfaces of PQ40-37.24A only

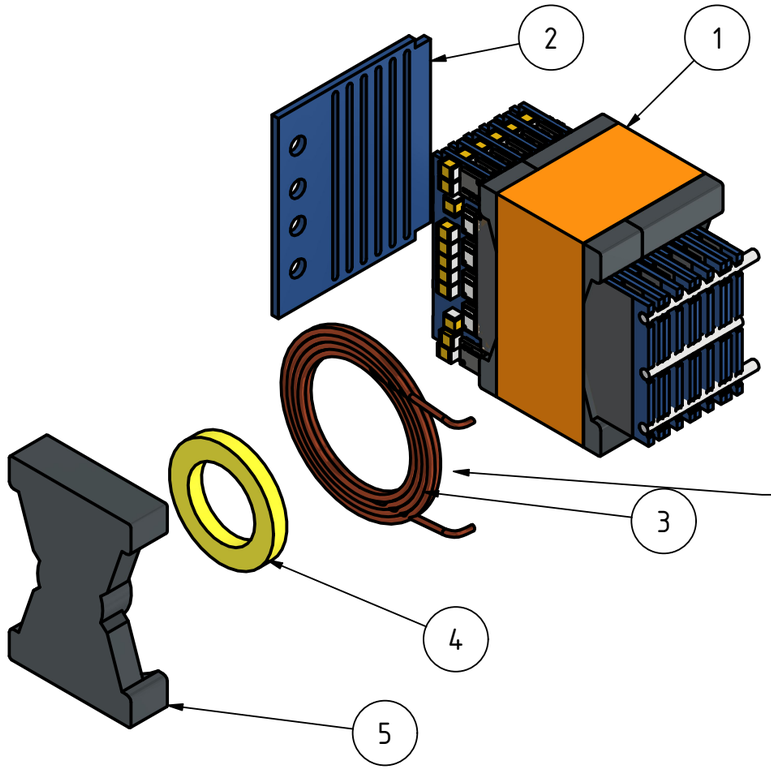


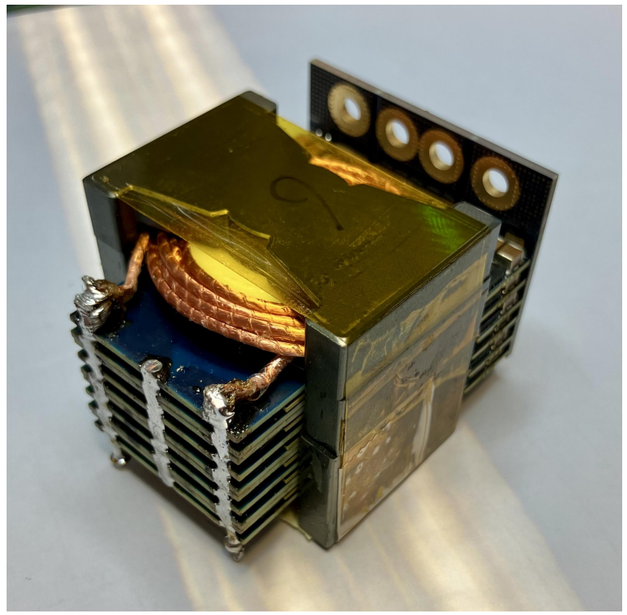
					Datum	Name
				Gezeich	18.09.2025	Wernegger
				Kontroll		
				Norm		
Status	Änderungen	Datum	Name			

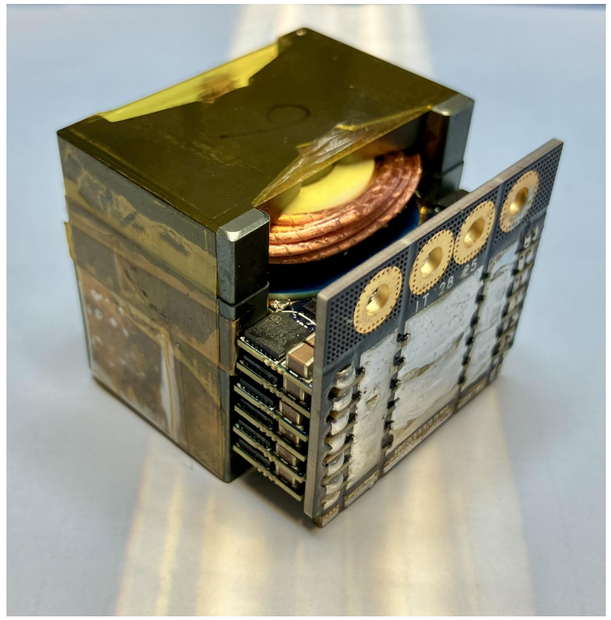
TF100001548

1
A2

BILL OF COMPONENTS			
PART #	DESIGNATOR	QUANTITY	SUPPLIER
1	assembled core stack	1	N/A
2	BP200001548	1	Intectiv d.o.o.
3	LM winding 8 turns	1	Rudolf Pack GmbH
4	SP100001549_024	1	Intectiv d.o.o.
5	PQ40-16.8A GAP1.8 DMR59	1	DMEGC‖Fericor d.o.o.





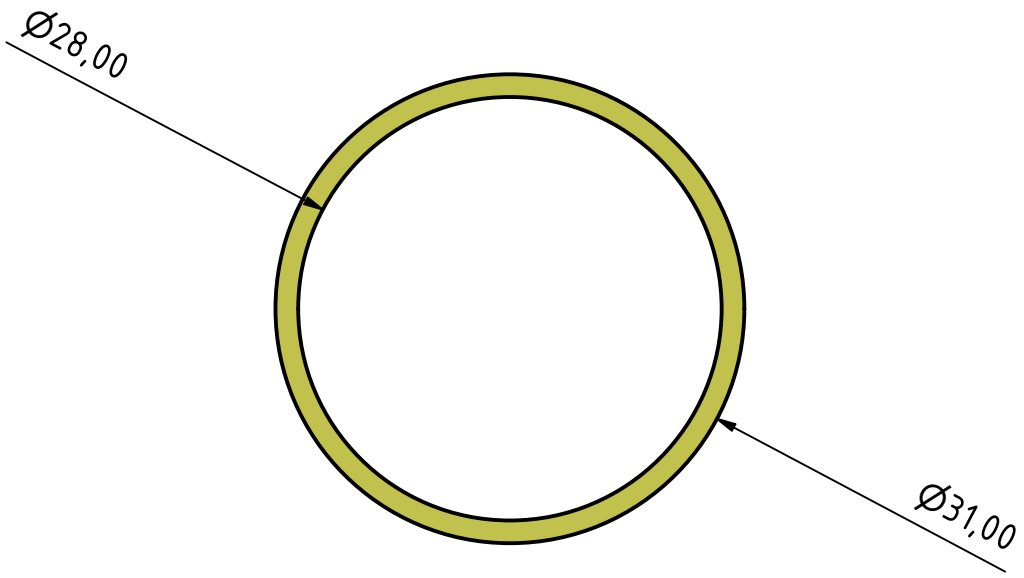


Pack LitzWire winding, 8turns of 300x0.05 Rupalit safety.
Leave about 25mm excess per side to solder in parallel to primary winding PCBs.
See pictures for the final assembly.

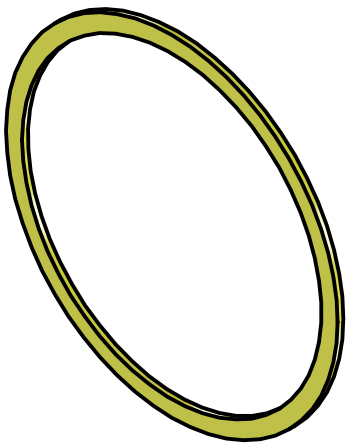
IMPORTANT:
wrap assembly in Kapton adhesive tape
1. when finishing the stack without Lm
2. after placing Lm on top

					Datum	Name	
				Gezeich	18.09.2025	Wernegger	
				Kontroll			
				Norm			
							TF100001548 | 2 | A3
Status	Änderungen	Datum	Name				

PARTS LIST		
OBJEKT	ANZAHL	BAUTEILNUMMER
1	1	SP20001548_055







	Datum	Name
Gezeich	18.09.2025	Wernegger
Kontroll		
Norm		

Material: FR4

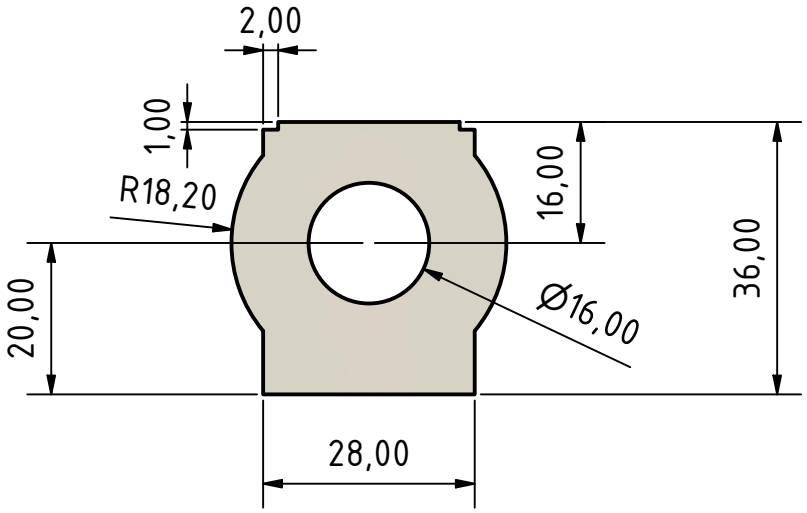
TF100001548

3

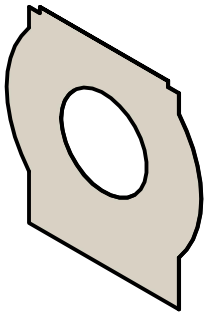
A4

Status	Änderungen	Datum	Name

PARTS LIST		
OBJEKT	ANZAHL	BAUTEILNUMMER
1	1	IS100001550







					Datum	Name
				Gezeich	18.09.2025	Wernegger
				Kontroll		
				Norm		

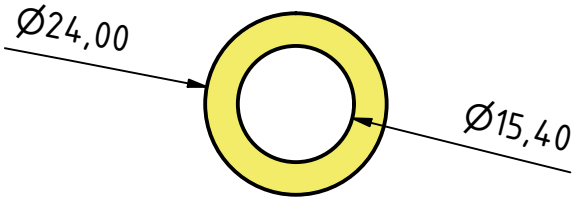
Material: Kapton / Polyimid

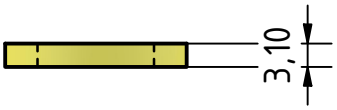
TF100001548

4

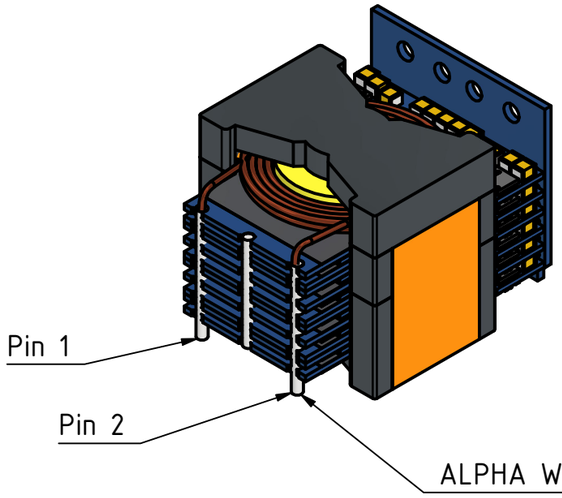
A4

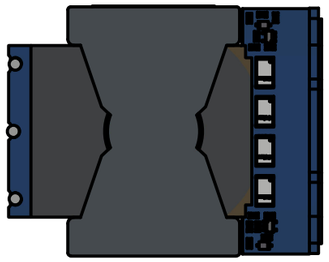
Status	Änderungen	Datum	Name

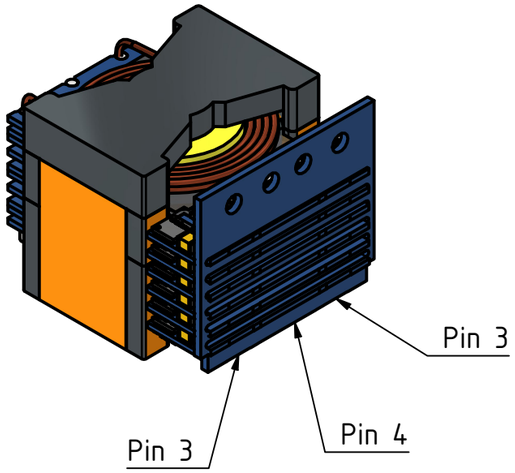


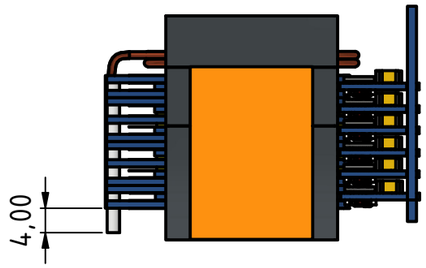


						SP100001549_024
					Datum	Name
				Gezeich	18.09.2025	Wernegger
				Kontroll		
				Norm		
						Material: FR4
						TF100001548
						5
						A4
Status	Änderungen	Datum	Name			









Measurement results (LM decoupled from primary boards):

· from pin 1 to pin 2 (Magnetizing inductance): ~115uH ± 10% @ 50 kHz‖15.2 uH ± 5% @ 500 kHz

It is mandatory to calibrate the measuring device (open/short/load)
prior to measurements!

Dielectric strength:
Primary vs secondary: 3000V @ 50 Hz
Primary + secondary vs core: 500V @ 50 Hz
(Measurements to be done with transformer fully assembled!)

						Electrical & magnetic specifications
					Datum	Name
				Gezeich	18.09.2025	Wernegger
				Kontroll		
				Norm		
						TF100001548 / 6 / A3
Status	Änderungen	Datum	Name			