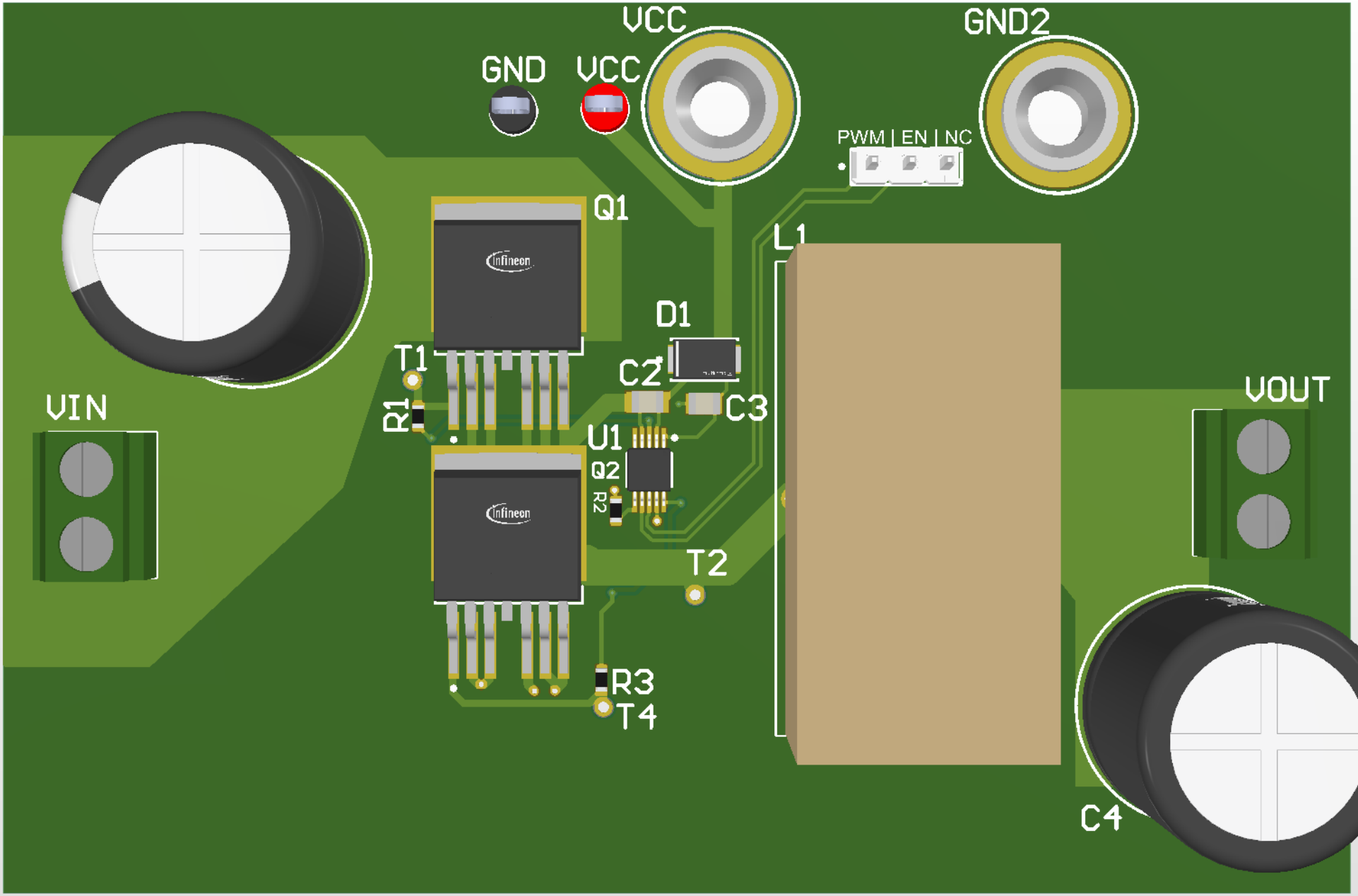
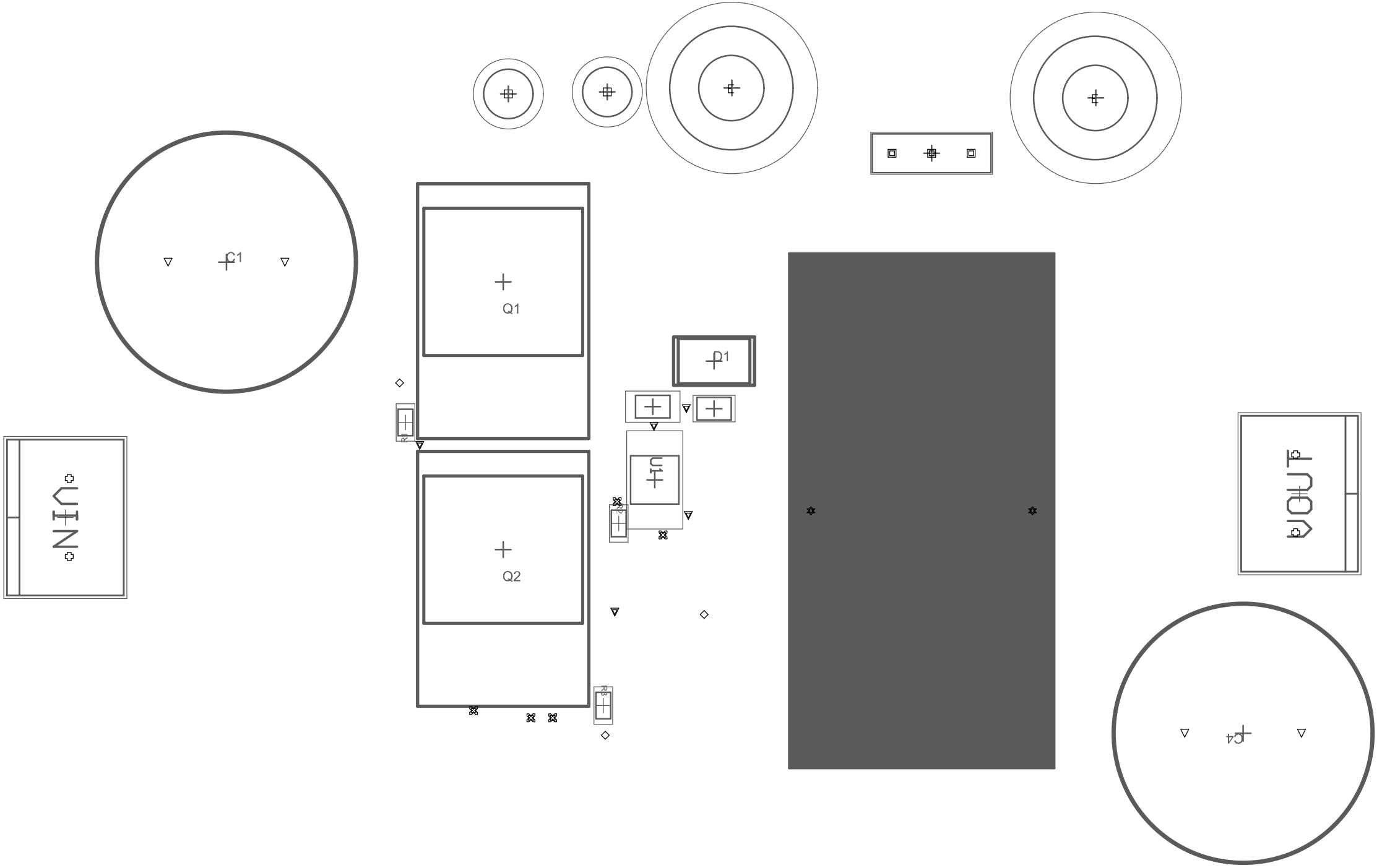
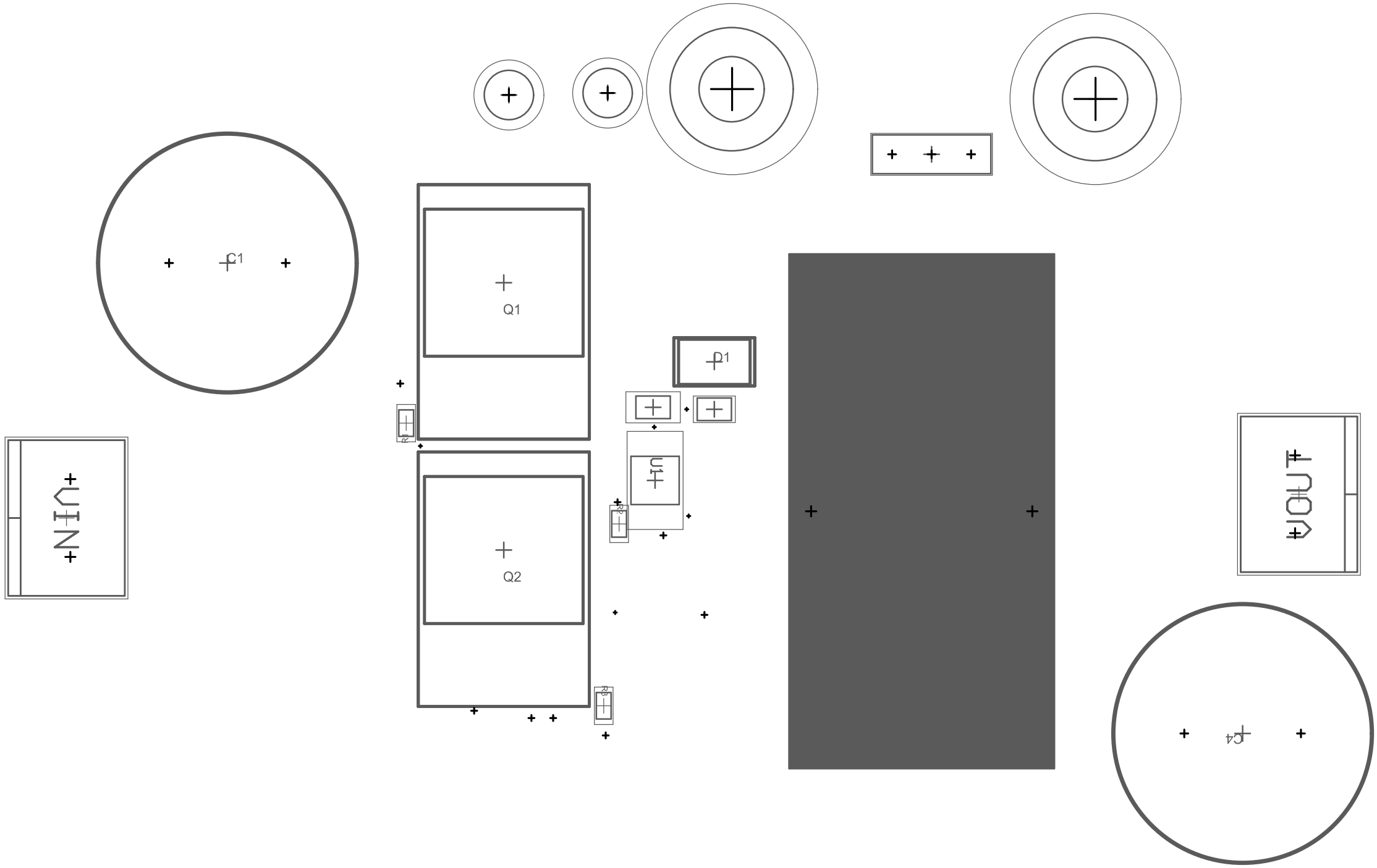

VCC
GND2
GND
VCC
PWM | EN | NC
Q1
L1
D1
T1
C2
C3
VIN
R1
U1
Q2
R2
VOUT
T2
R3
T4
C4


C1
Q1
Q2
R1
R2
R3
L1
P1
VIN
VOUT
C4


C1
Q1
Q2
R1
R2
R3
D1
U1
VIN
VOUT
C4

Comment	Description	Designator	Footprint	LibRef	Quantity
EEUFC2A471	Aluminum Electrolytic Capacitors (Radial Lead Type) AEC-Q200 Qualified 470uF ±20% 100V	C1, C4	FP-RAD-TH-D_16_0_5-L_40_2-MFG	CMP-05427-000270-1	2
08051C153KAT2A		C2	CAPC2013X94X50NL20T25	CMP-2007-04180-1	1
150nF	08053C154KAT2A	C3	CAPC2013X140X50LL20T25	CMP-1036-04480-3	1
1N4007 SMD	Rectifier, 1Kv, 1A, Do-214Ac Rohs Compliant: Yes	D1	FP-1N4007_SMD-IPC_C	CMP-12389-000001-1	1
5011	Test Point, Black, Through Hole, RoHS, Bulk	GND	KSTN-5011_V	CMP-1672-00003-4	1
575-4	Banana Jack, Non-Insulated, 1-Pin THD, RoHS, Bulk	GND2, VCC	KSTN-575-4	CMP-2000-05649-1	2
120uH	120uH 2300HT-121-V-RC	L1	IND_2300HT-V_56_42	2300HT-121-V-RC	1
22-28-4033	Male Header, Pitch 2.54 mm, 1 x 3 Position, Height 8.38 mm, Tail Length 3.18 mm, RoHS, Bulk	P1	MOLX-22-28-4033_V	CMP-1676-00001-5	1
IPB032N10N5ATMA1	MOSFET N-CH 100V 166A TO263-7	Q1, Q2	FP-PG-TO263-7-MFG	CMP-32901-001276-1	2
0R3J	Jumper 0603 (1608 Metric)	R1, R2, R3	RESC0603(1608)_L	CMP-009-00063-2	3
LM5106MM/NOPB	100V Half-Bridge Gate Driver with Programmable Dead-Time, 10-pin MSOP, Pb-Free	U1	DGS0010A_N	CMP-0063-01354-3	1
5010	Test Point, Red, Through Hole, RoHS, Bulk	VCC	KSTN-5010_V	CMP-1672-00002-4	1
691137710002		VIN, VOUT	691137710002	CMP-1502-03324-2	2

Design Rules Verification Report

Filename : C:\Users\temp\Documents\WPI\MQP\Github\MPPT_MQP_PCB_DCDC\MQP_PCB

Warnings 0
Rule Violations 0

Warnings	
Total	0

Rule Violations	
Clearance Constraint (Gap=10mil) (All),(All)	0
Clearance Constraint (Gap=10mil) (InComponent('U1')),(All)	0
Clearance Constraint (Gap=10mil) (All),(All)	0
Short-Circuit Constraint (Allowed=No) (All),(All)	0
Un-Routed Net Constraint ((All))	0
Modified Polygon (Allow modified: No), (Allow shelved: No)	0
Width Constraint (Min=10mil) (Max=10mil) (Preferred=10mil) (All)	0
Width Constraint (Min=10mil) (Max=50mil) (Preferred=10mil) (All)	0
Width Constraint (Min=10mil) (Max=100mil) (Preferred=10mil) (InNet('SW'))	0
Routing Topology Rule(Topology=Shortest) (All)	0
Power Plane Connect Rule(Direct Connect)(Expansion=20mil) (Conductor Width=10mil) (Air Gap=10mil) (Entries=4)	0
Hole Size Constraint (Min=1mil) (Max=100mil) (Disabled)(All)	0
Hole To Hole Clearance (Gap=10mil) (All),(All)	0
Minimum Solder Mask Sliver (Gap=10mil) (Disabled)(All),(All)	0
Silk To Solder Mask (Clearance=10mil) (Disabled)(IsPad),(All)	0
Silk to Silk (Clearance=5mil) (Disabled)(All),(All)	0
Net Antennae (Tolerance=0mil) (All)	0
Height Constraint (Min=0mil) (Max=10000mil) (Prefered=5000mil) (InComponent('L1'))	0
Height Constraint (Min=0mil) (Max=1000mil) (Prefered=500mil) (All)	0
Total	0