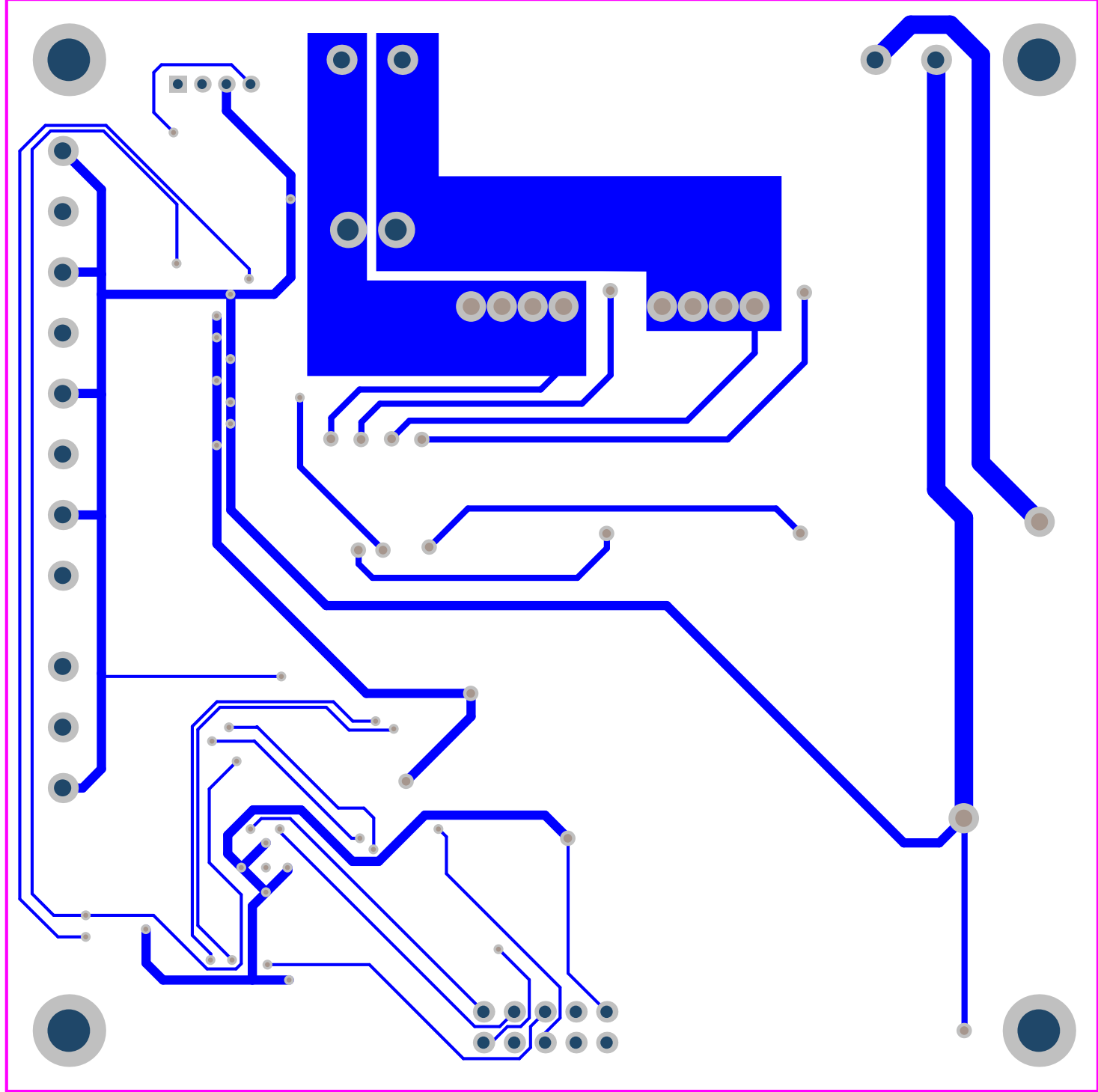
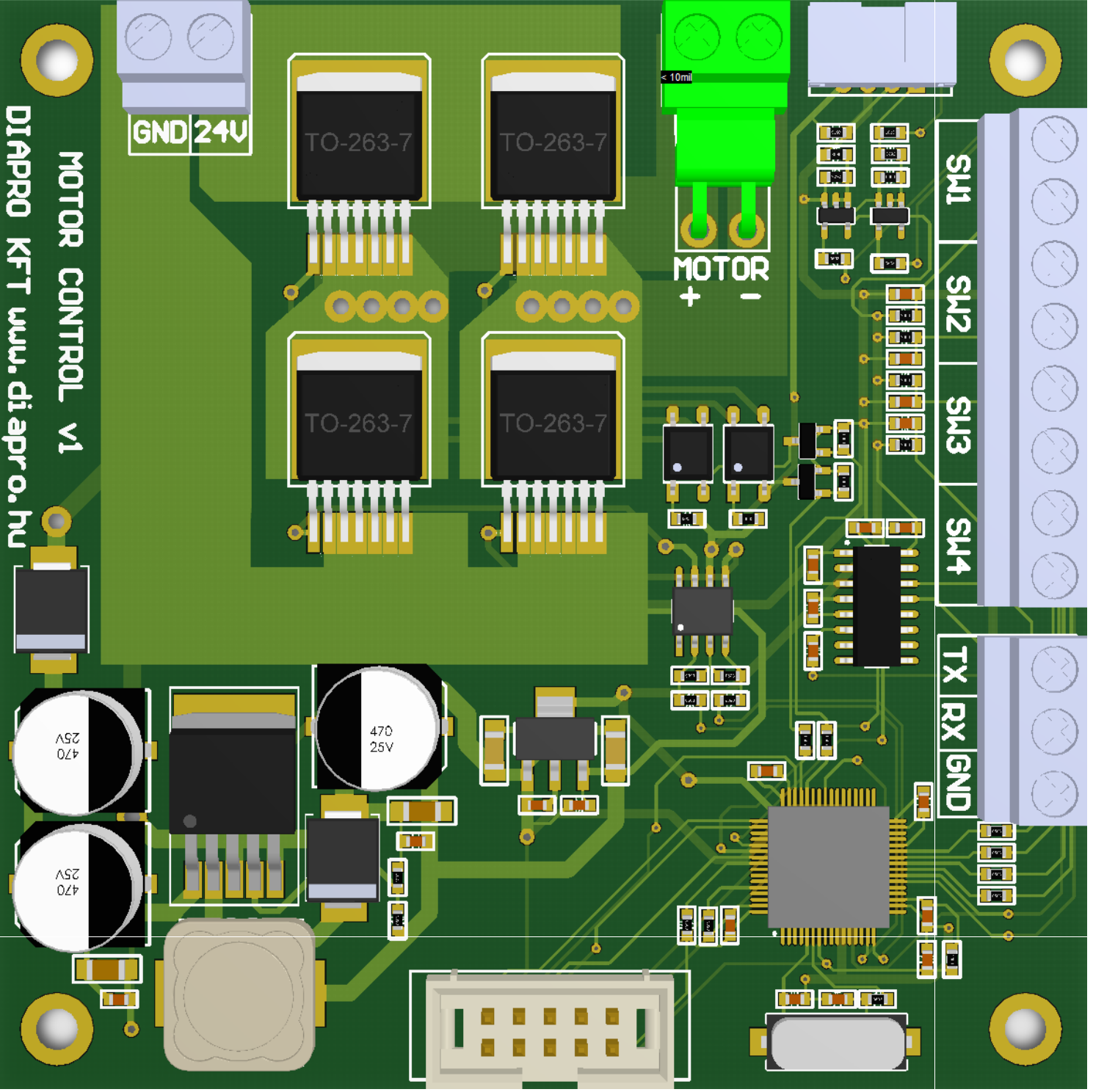
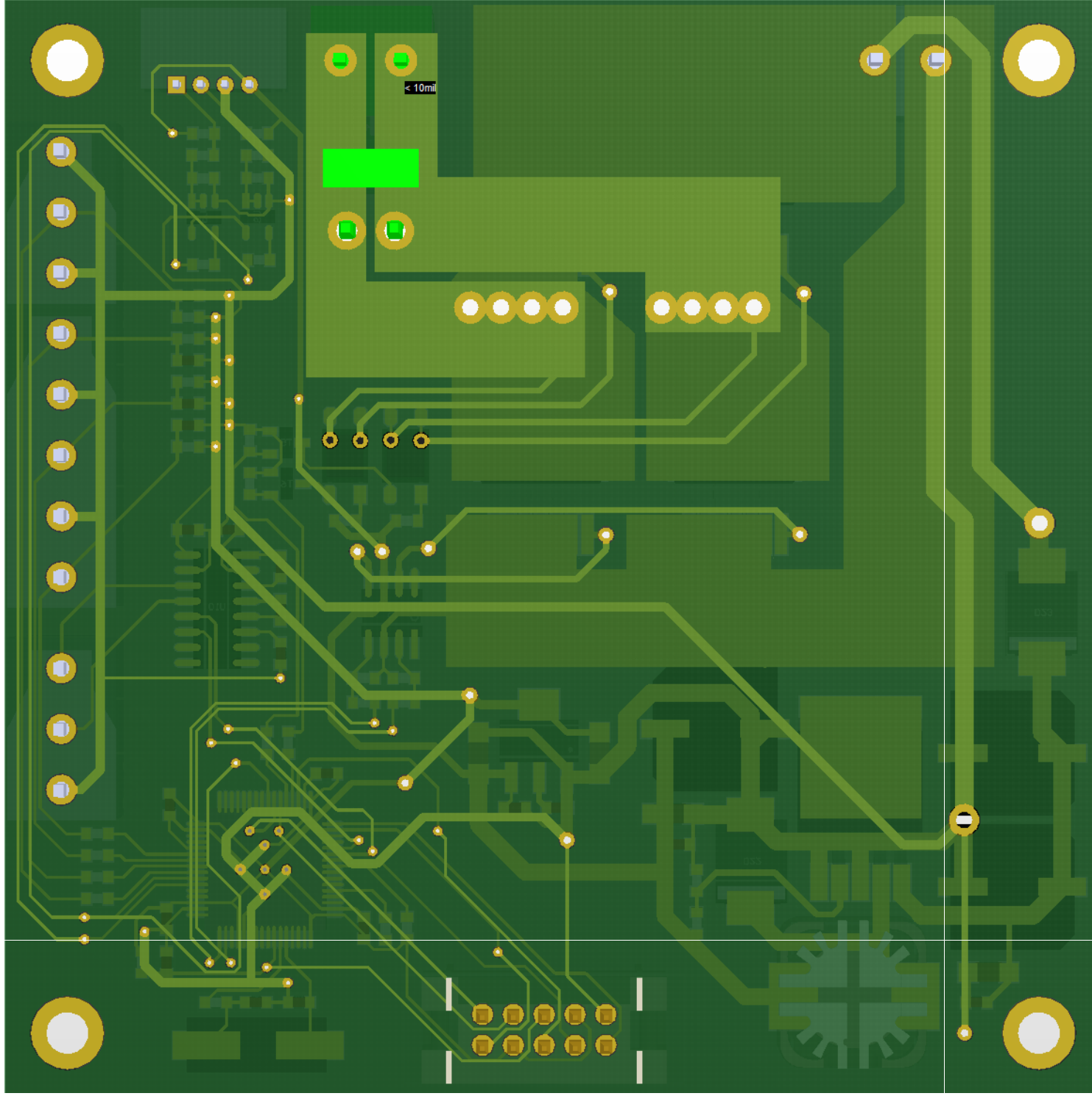
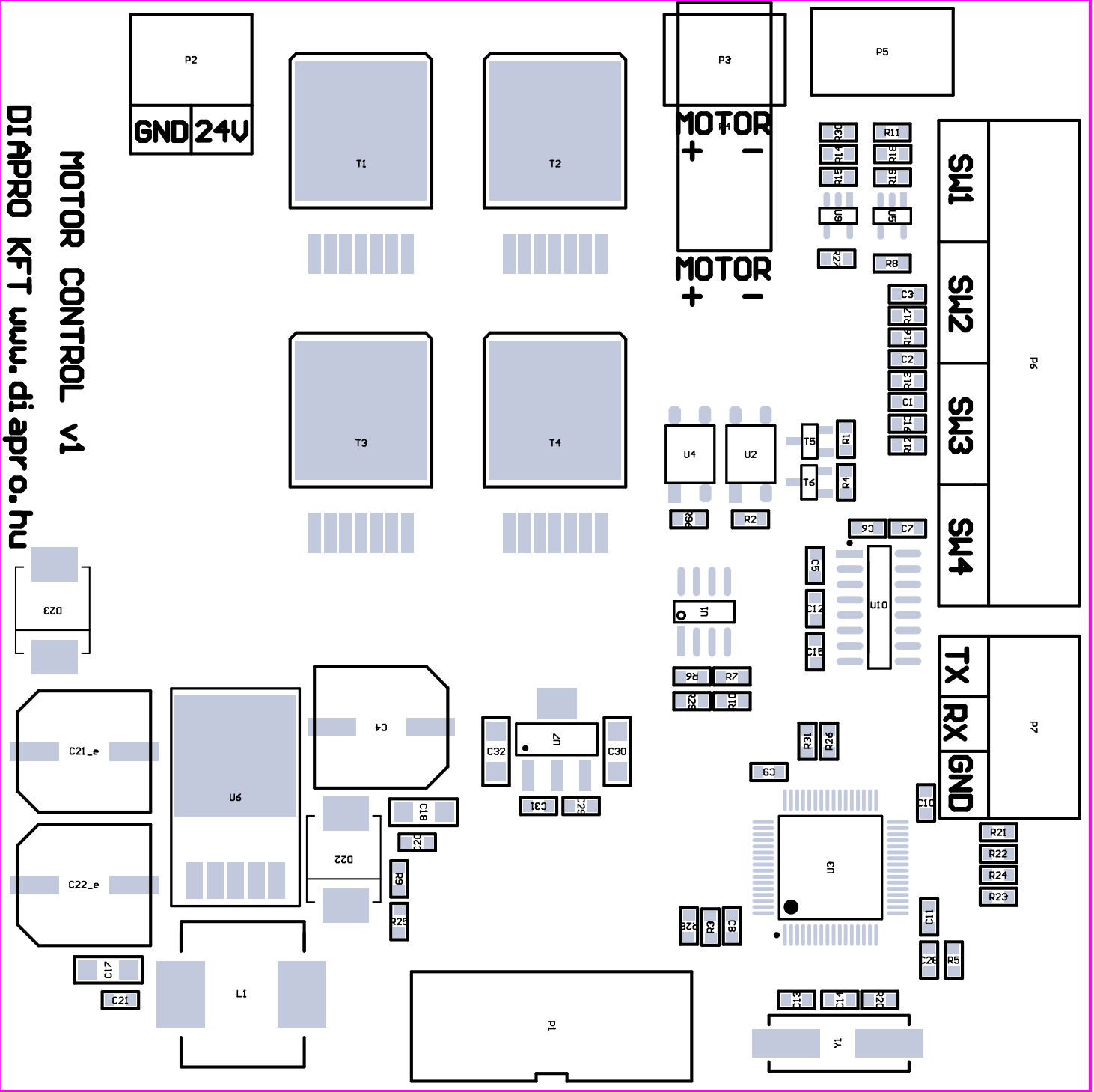


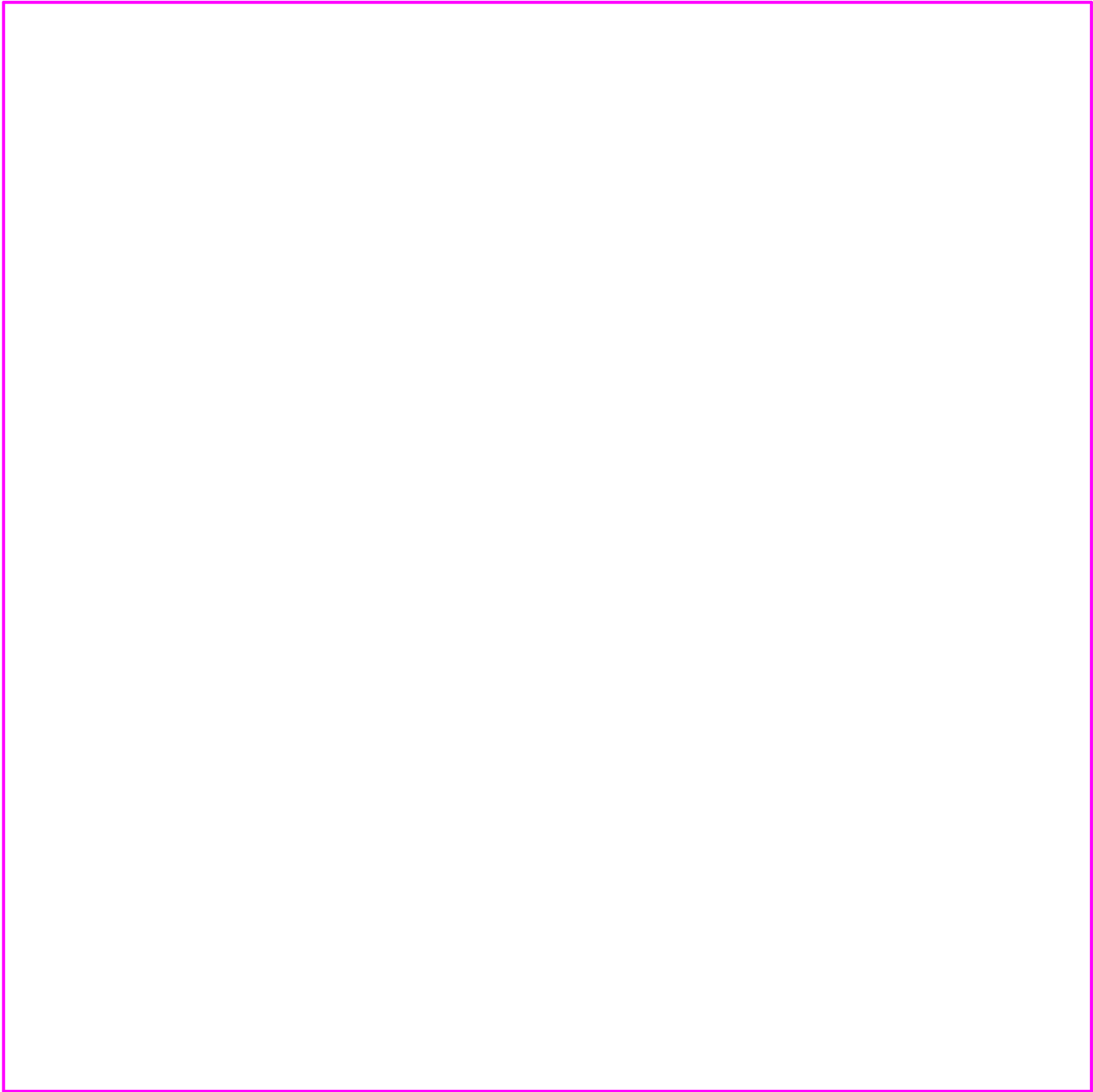
MOTOR CONTROL v1
DIAPRO KFT uuu.diapro.hu











Comment	Description	Designator	Footprint	LibRef	Order info	Quantity	T qes
100nF	Capacitor	C1, C2, C3, C5, C6, C7, C8, C9, C10, C11, C12, C15, C16, C20, C21, C28, C29, C31	FP_0603_CAP_080	Cap	82-04-85	18	10%
1000uF 10V	Polarized Capacitor (Radial)	C4	CAP_ALO_ECKO_10D_10.5H	Cap Pol1	91-01-02	1	
22p	Capacitor	C13, C14	FP_0603_CAP_080	Cap	82-02-18	2	
47uF	Capacitor	C17, C18	FP_1206_CAP_125	Cap	82-08-04	2	10%
220uF 50V	Polarized Capacitor (Radial)	C21_e, C22_e	CAP_ALO_ECKO_10D_10.5H	Cap Pol1	91-00-96	2	
10uF	Capacitor	C30, C32	FP_1206_CAP_0805	Cap	82-08-03	2	20% X7R
SS36	NXP - PMEG3020EJ,115 - SCHOTTKY RECT 30V 2A SOD323F	D22, D23	DIODE_SMC	SCHOTTKY	83-02-57	2	
100uH	Inductor	L1	SRR1206_T	Inductor	93-03-42	1	
Header 5X2	Header, 5-Pin, Dual row	P1	HEADER_10_BO X	Header 5X2	43-20-93	1	
Header 2	Header, 2-Pin	P2	Sokapocs 2P 5mm	Header 2	43-06-54	1	
Motor	Header, 2-Pin	P3	Sokapocs 2P 5mm	Header 2	43-06-54	1	
Motor	Header, 2-Pin	P4	3.96mm 2P 90° NCW396-02R	Header 2	43-12-66	1	
Header 4	Header, 4-Pin	P5	jst-44b-xh-a	Header 4	43-17-55	1	
Header 8	Header, 8-Pin	P6	Sokapocs 8P 5mm	Header 8	4 db: 43-06-54	1	
Header 3	Header, 3-Pin	P7	Sokapocs 3P 5mm	Header 3	43-06-55	1	
47k	Resistor	R1, R3, R4, R5, R6, R7, R12, R13, R15, R16, R17, R19, R28	FP_0603_RES	Res3	81-10-46	13	5%
330	Resistor	R2, R96	FP_0603_RES	Res3	81-17-48	2	1%
1k	Resistor	R8, R9, R10, R11, R14, R18, R21, R22, R23, R24, R26, R27, R29, R30, R31	FP_0603_RES	Res3	81-10-26	15	5%
390R	Resistor	R20	FP_0603_RES	RES	81-10-21	1	
3k9	Resistor	R25	FP_0603_RES	Res3	81-10-33	1	5%
IRFS7730PBF		T1, T2, T3, T4	FET_D2-PAK_7	NMOS	http://www.fairchildsemi.com/international-rectifier/irfs3107-7ppbf/mosfet-n-ch-75v-d2pak/dp/1688587	4	
PMBF170		T5, T6	FET_SOT23	NMOS	86-01-96	2	
TC4427	1.5A Dual High-Speed Power MOSFET Driver	U1	DIGITAL_SOIC8	TC4427	89-22-85	1	
VOM1271T	Photodiode Output Optocouplers MOSFET DRIVER ISOLATED SOP4	U2, U4	OPTO_SOP-4	VOM1271T	http://www.vishay-semiconductor.com/m1271t/driver-mosfet-high-side-sop-4/dp/2395899	2	
STM32F103RBT6	STM32 ARM-based 32-bit MCU with 256 Kbytes Flash, 64-pin LQFP, Industrial Temperature	U3	LQFP64_N	STM32F103RBT6	http://www.st.com/microelectronics/stm32f100rct6tr/mcu-32bit-cortex-m3-24mhz-kfp/dp/2333147	1	
SN74AHC1G08	1X2-INPUT AND-GATE	U5, U9	GATE_SOT23-5	SN74AHC1G08	87-02-78	2	
TS2576CMS-ADJ	Step Down DC-DC Converter	U6	SUPPLY_TO-2635	TS2576	89-09-12	1	
LD1117xx	LD1117xx 3.3V min reg	U7	SUPPLY_SOT223	LD1117xx	89-06-98	1	
MAX3232CSE	MAX3232CSE 3.3V RS232 converter	U10	DIGITAL_SOIC16	MAX3232CSE	89-12-11	1	
8MHz Quartz HC49	Standard HC49 quartz	Y1	FP_CRYSTAL_HC	XTAL HC49	40-01-23	1	