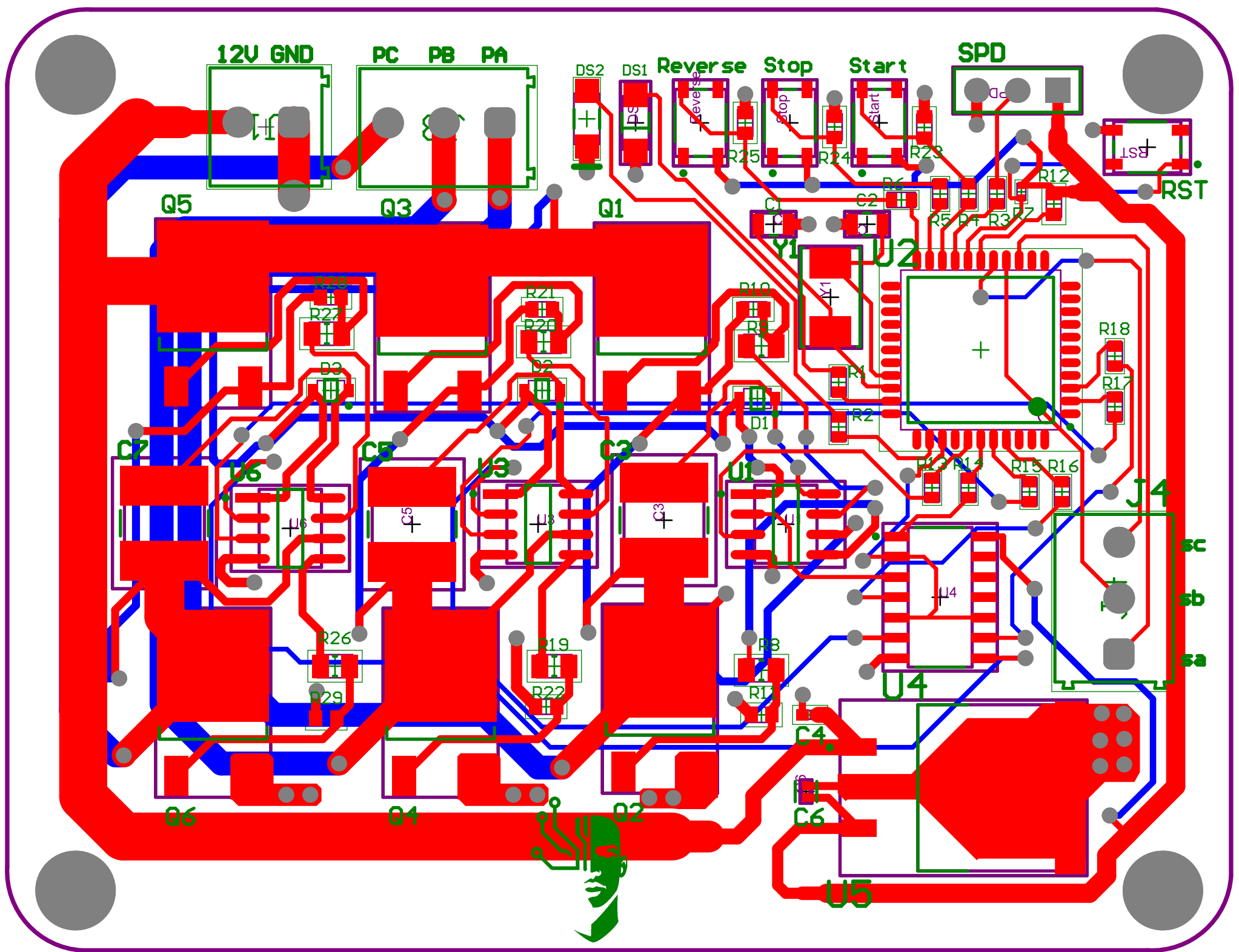
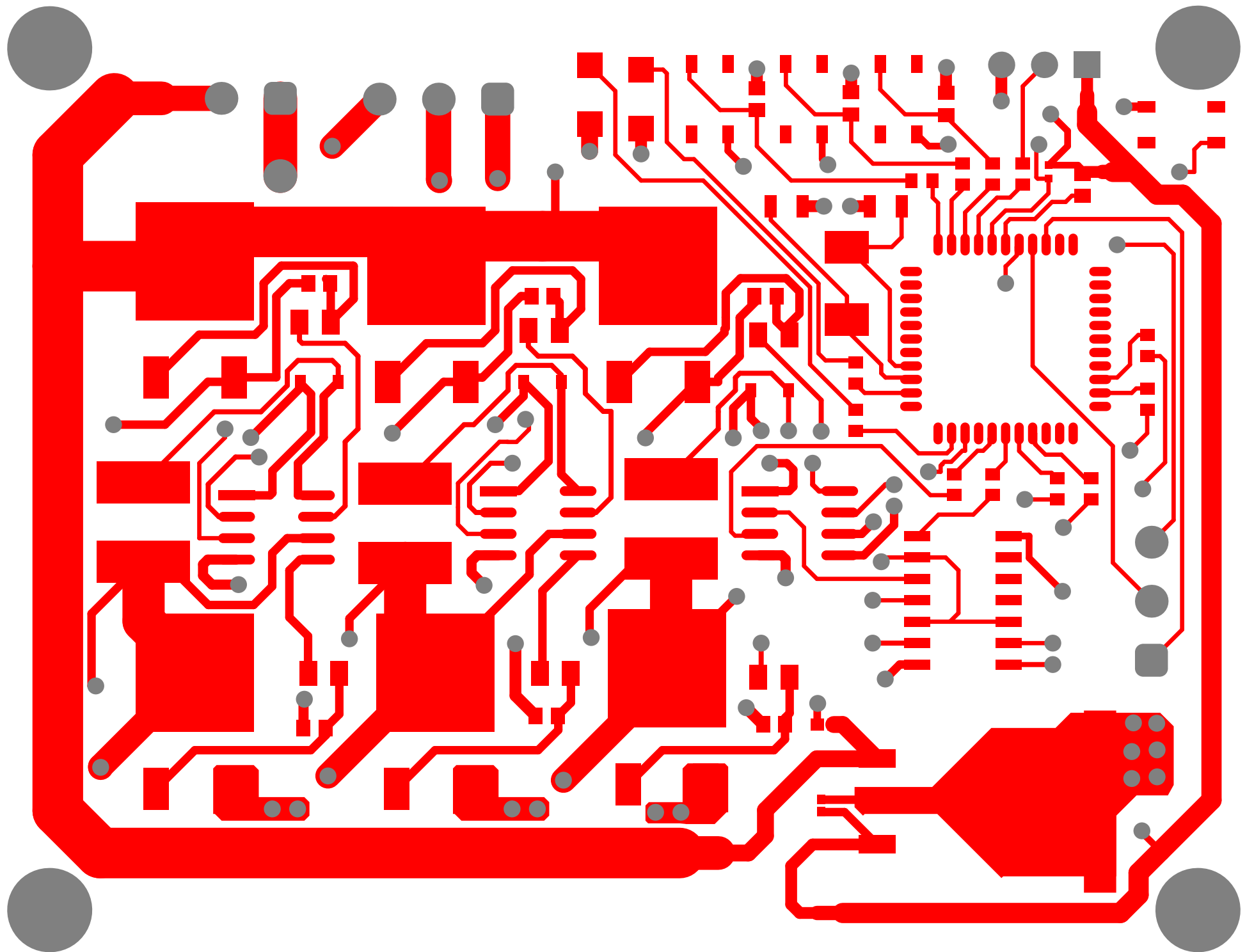


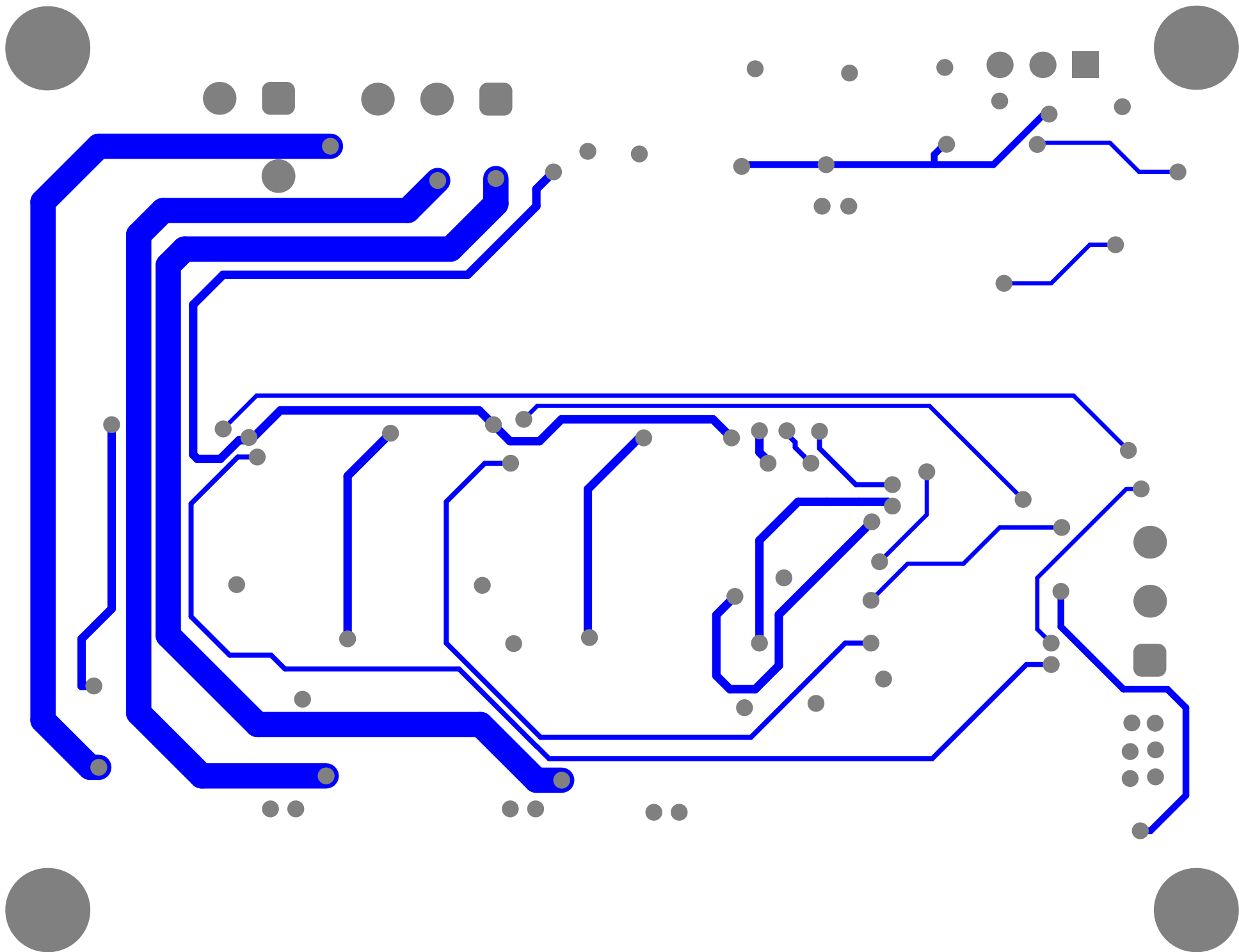
## Microcontroller (PIC18F) & Logic Control



Size A4	Number	Revision
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File:	D:\Altium Projects\..BLDC MC Schema\Dr Sch.doc	







Comment	Description	Designator	Footprint	LibRef	Quantity
22uF	Chip Multilayer Ceramic Capacitors for General Purpose, 0805, 22uF, X5R, 15%, 20%, 6.3V	C1, C2	FP-GRM21B-0_15-MFG	CMP-2007-03385-2	2
1uF	Chip Multilayer Ceramic Capacitors for General Purpose, 2220, 1.0uF, X7R, 15%, 10%, 250V	C3, C5, C7	FP-GRM55D-0_4-IPC_A	CMP-2000-06370-2	3
0.33uF		C4	CAPC1005X55X25ML05T10	CMP-2008-03929-1	1
0.1uF	Multilayer Ceramic Capacitors 100nF ±10% 50V X7R SMD 0402	C6	FP-C1005-050-0_05-IPC_C	CMP-2000-05393-2	1
BAT54HT1G	Schottky Barrier Diode, 2-Pin SOD-323, Pb-Free, Tape and Reel	D1, D2, D3	ONSC-SOD-323-2-477-02_V	CMP-1055-00462-1	3
HSMG-C150	LED GREEN DIFFUSED 1206 SMD	DS1	FP-HSMG-C150-MFG	CMP-2000-05061-2	1
HSMH-C150	LED Uni-Color Red, 65 mW, 25 mA, -40 to 85 degC, 2-Pin SMD, RoHS, Tape and Reel	DS2	AVAG-HSMX-C150_V	CMP-2000-06426-1	1
691214110002		J1	691214110002	CMP-1502-02464-2	1
22-28-4035	22-28-4035 BOARD-BOARD Connector HEADER, 3WAY, 1ROW, Series: KK, Pitch Spacing: 2.54mm; No. of Rows: 1;	J2	FP-22-28-4035-MFG	CMP-00257-00247547-1	1
691214110003		J3, J4	691214110003	CMP-1502-02466-2	2
IRLR3705ZTRPBF	MOSFET N-CH 55V 42A DPAK	Q1, Q2, Q3, Q4, Q5, Q6	FP-PG-TO252-3-MFG	CMP-32901-000105-2	6
100		R1, R2	RESC1608X55X30LL15T15	CMP-2000-00179-1	2
1K		R3, R4, R5, R6, R13, R14, R15, R16, R17, R18	RESC1608X55X30LL15T15	CMP-2000-00180-1	10
4k7	Chip Resistor, 4.7 KOhm, +/- 1%, 0.1 W, -55 to 155 degC, 0402 (1005 Metric), RoHS, Tape and Reel	R7	RESC1005X40X25LL05T05	CMP-2002-01154-4	1
10		R8, R9, R19, R20, R26, R27	RESC2013X50X30NL20T20	CMP-2001-04915-1	6
10k	Chip Resistor, 10 KOhm, +/- 1%, 100 mW, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel	R10, R11, R12, R21, R22, R23, R24, R25, R28, R29	RESC1609X50X30NL8T20	CMP-1666-00005-4	10
PTS810SJM250SMTRLFS	SWITCH TACTILE SPST-NO 0.05A 16V	SW1, SW2, SW3, SW4	FP-PTS810SJM250SMTRLFS-MFG	CMP-10040-000001-2	4
IR2101SPBF-BL	MOSFET DRVR 600V 0.36A 2-OUT Hi/Lo Side Non-Inv 8-Pin SOIC	U1, U3, U6	FP-PG-DSO-8-IPC_B	CMP-32851-000156-1	3
PIC18F46K22-I/PT	Low-Power, High-Performance Microcontroller with XLP Technology, 64 MHz, 35 I/O, -40 to 85 degC, 44-pin TOFP (PT44), Tray	U2	MCHP-TQFP-PT44_L	CMP-0116-01786-1	1
SN74HC08DR	IC GATE AND 4CH 2-INP 14SOIC	U4	FP-D0014A-MFG	CMP-0777-00016-4	1
LM7805SX/NOPB	IC REG LIN 5V 1.5A DDPK/TO263-3	U5	FP-KTT0003B-MFG	CMP-2000-07590-2	1
ABM7-16.000MHZ-DZY-T	Crystal 16MHz ±20ppm 18pF SMD-2 6mm x 3.5mm	Y1	FP-ABM7-MFG	CMP-27762-000095-1	1