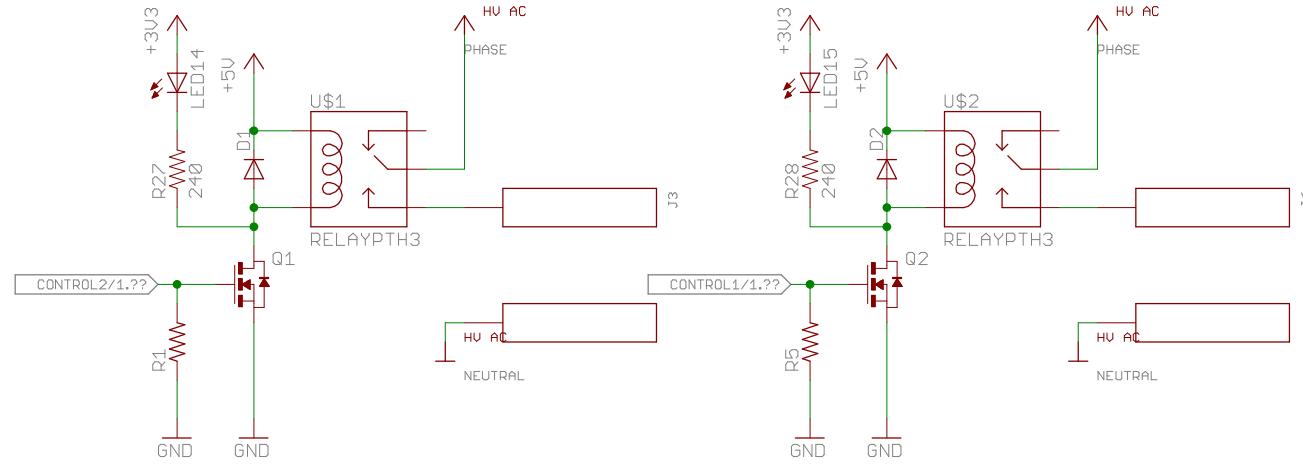
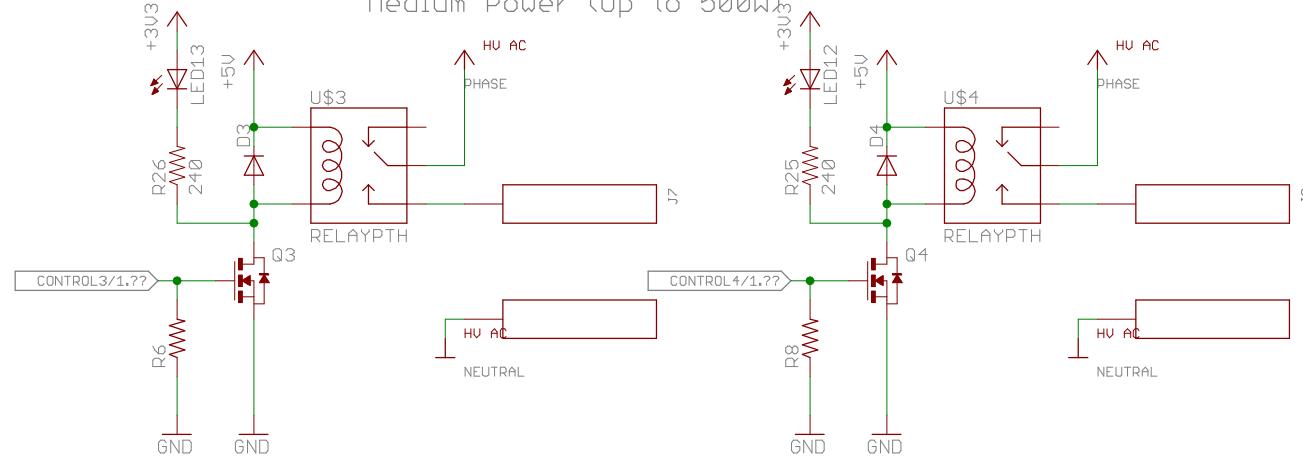


### High Power (Up to 1000W)

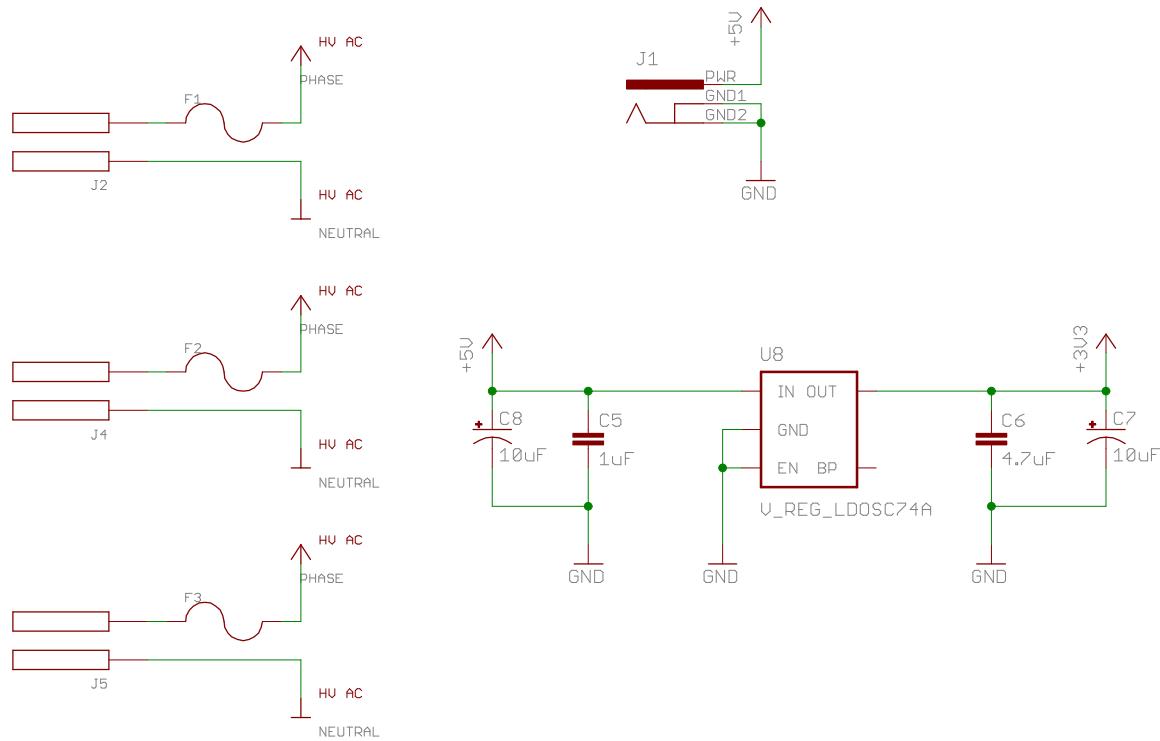


### Medium Power (Up to 500W)

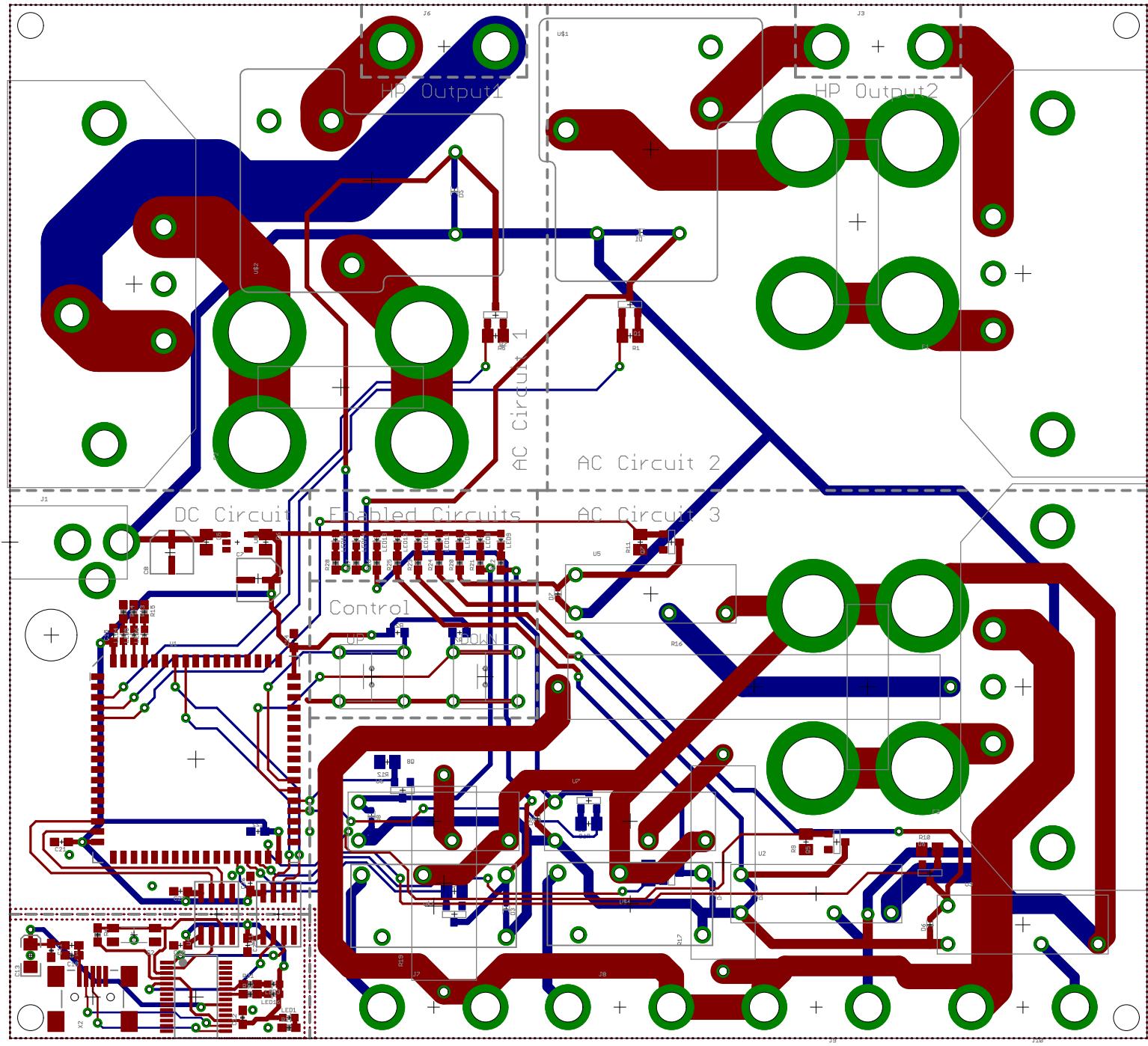


### Low Power (Up to 100W)

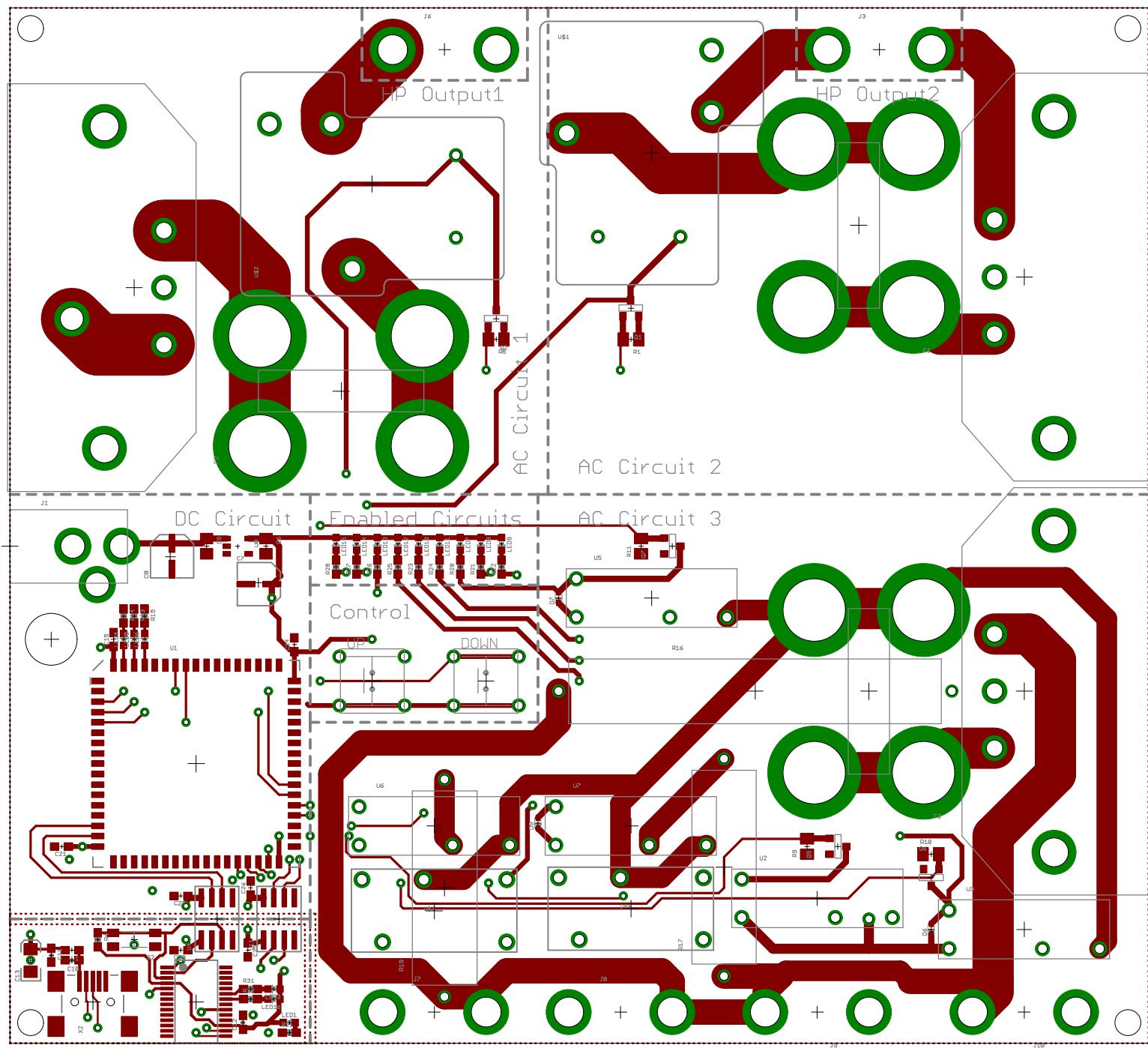




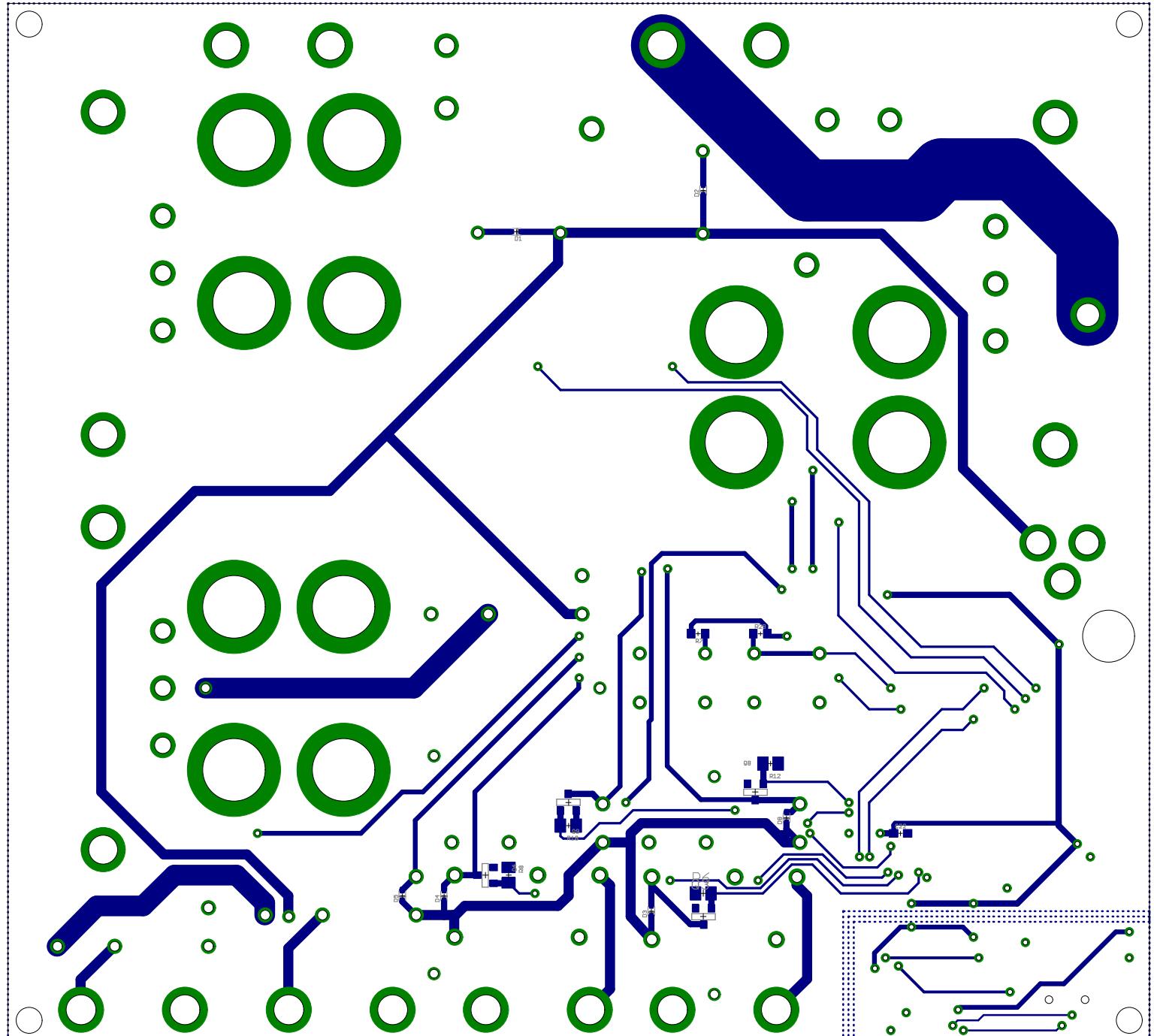
## Top and Bottom Layers



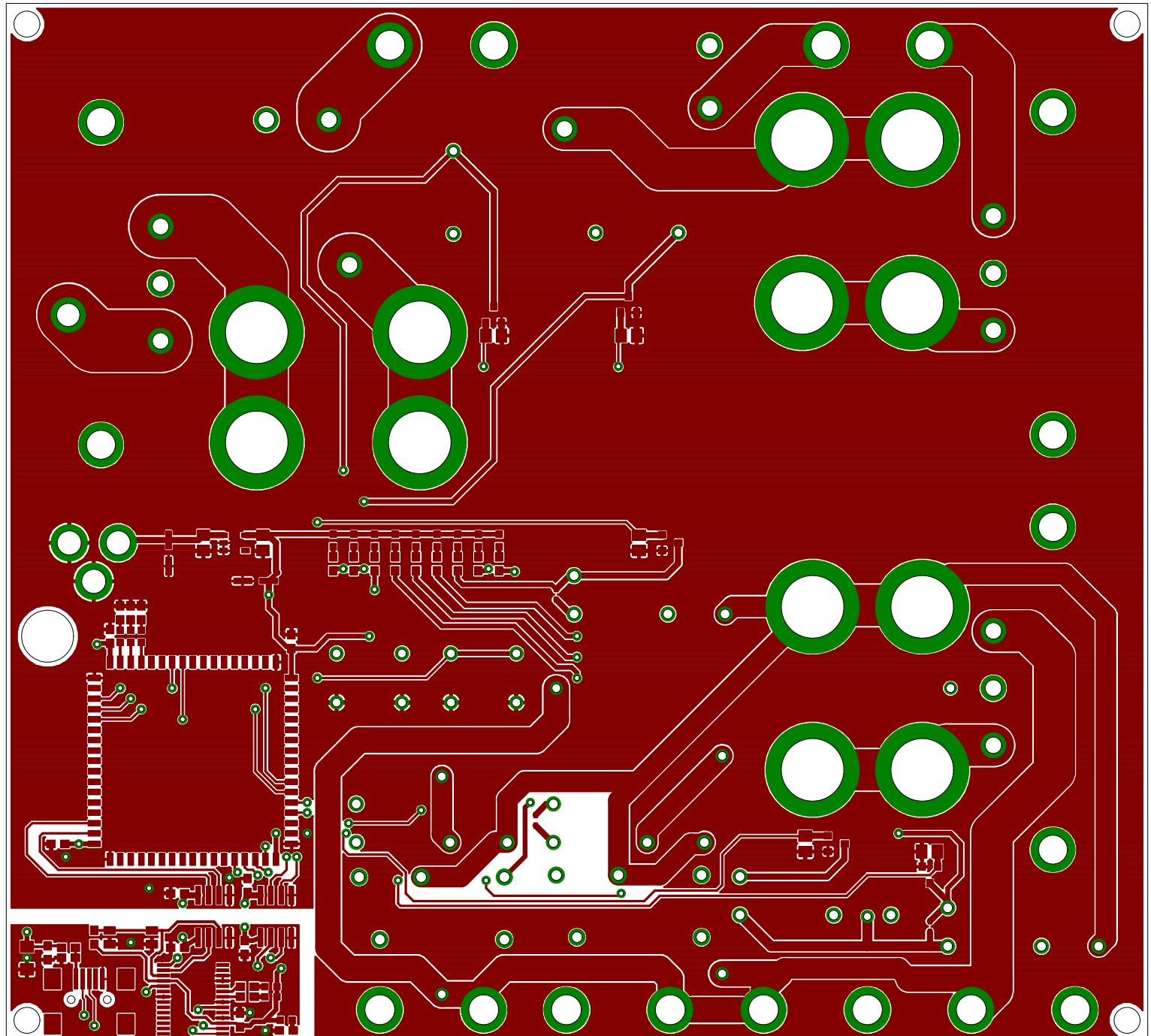
## Top Layer



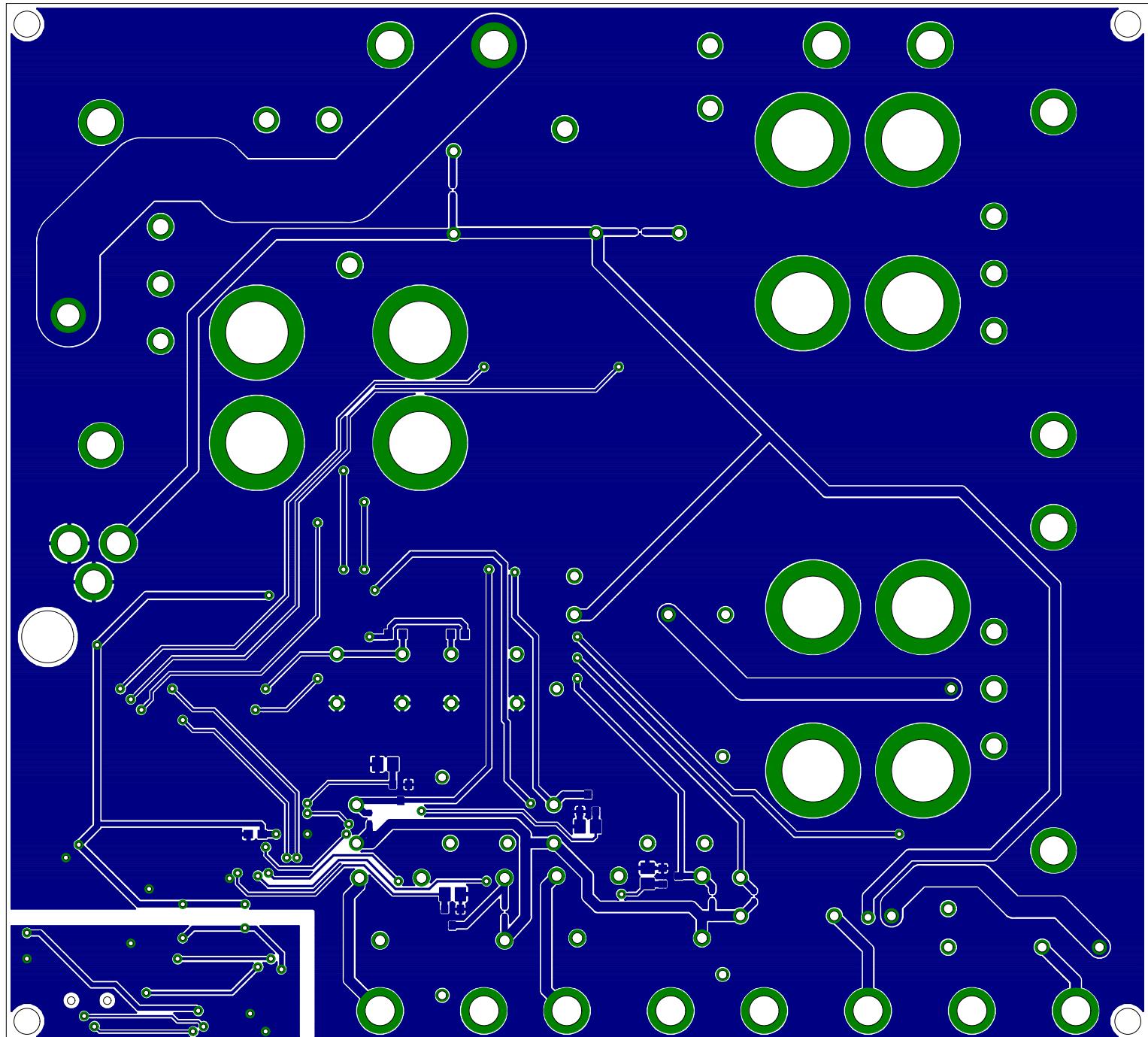
Bottom Layer



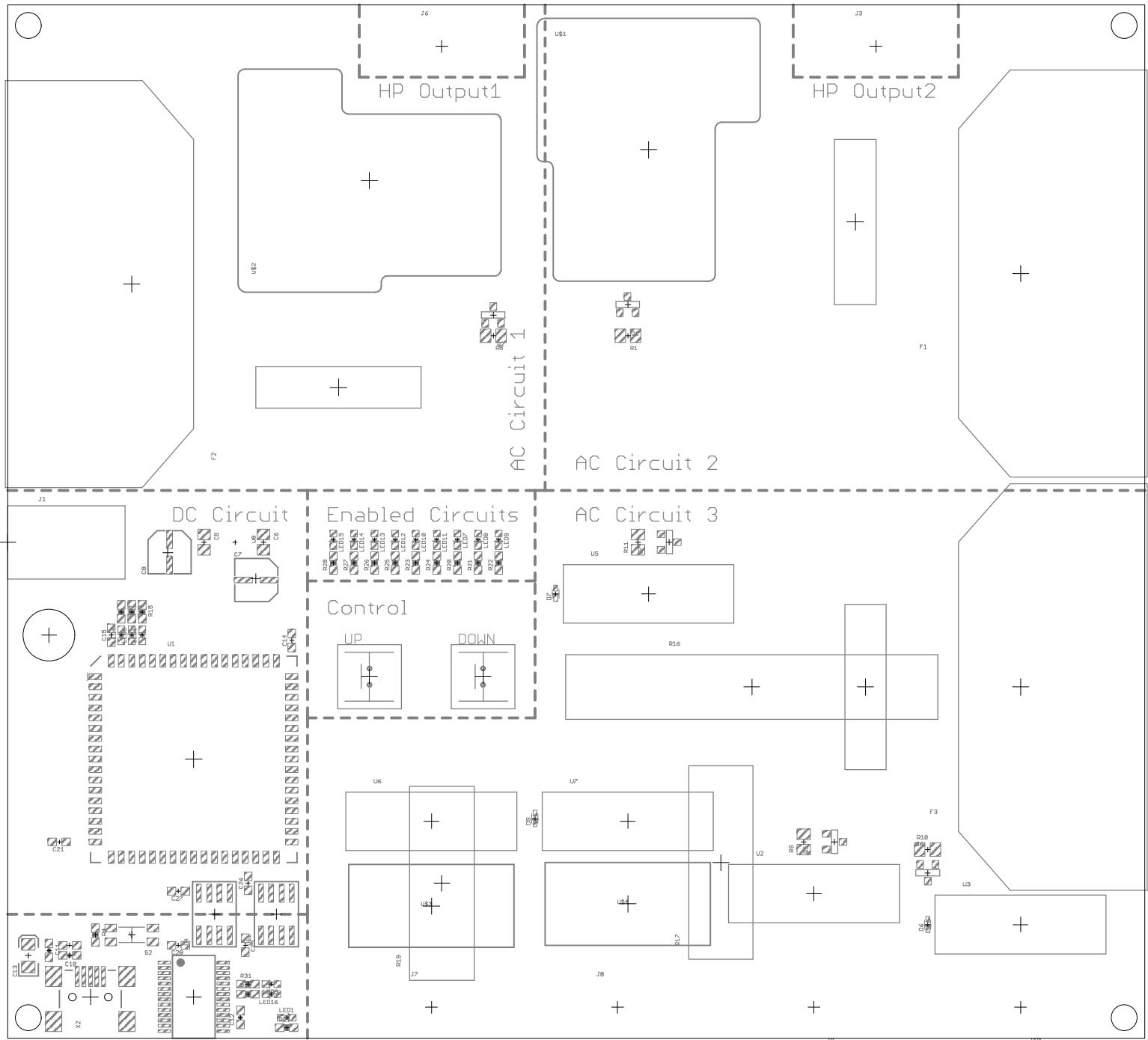
Top Copper Layer



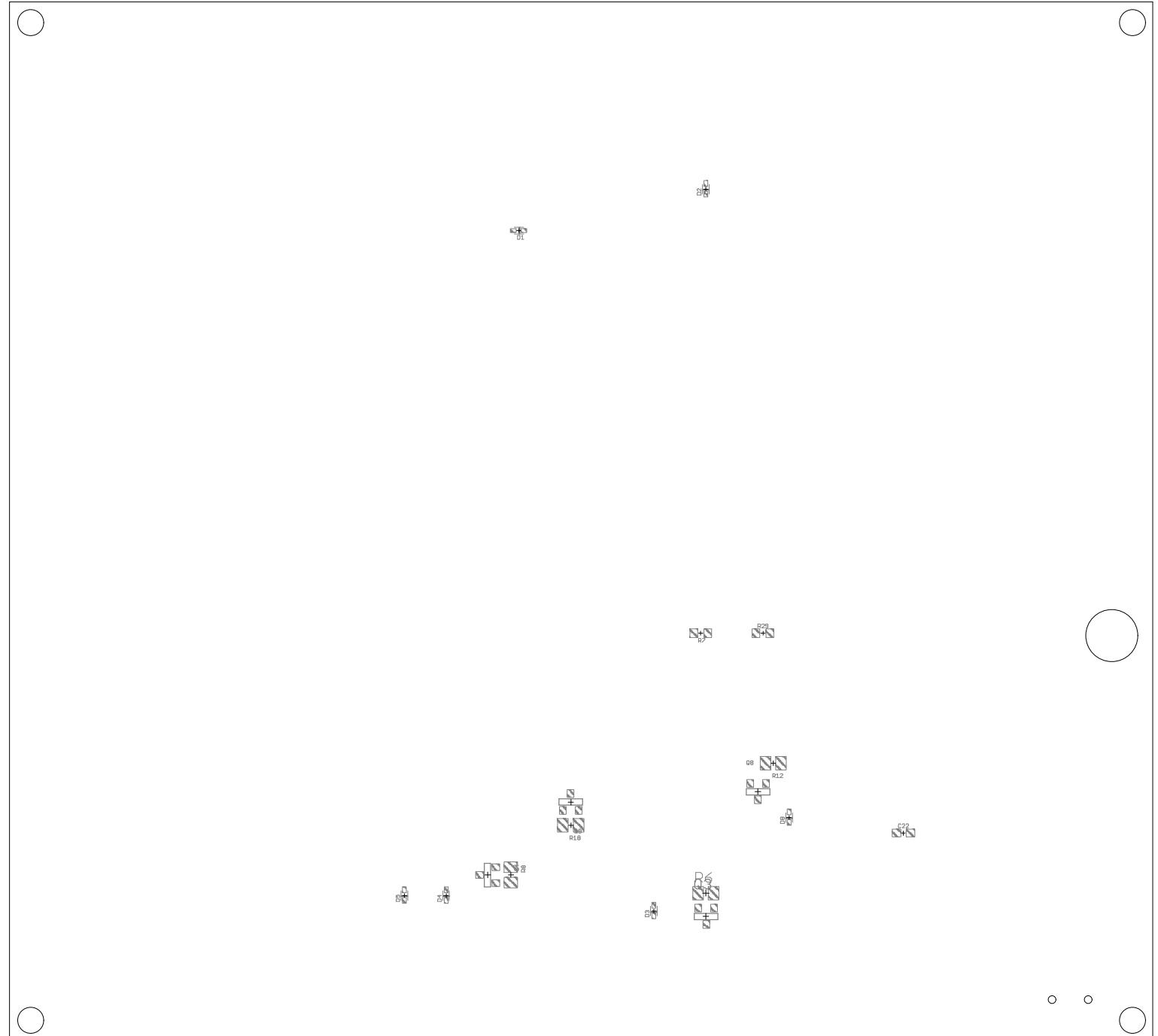
Bottom Copper Layer



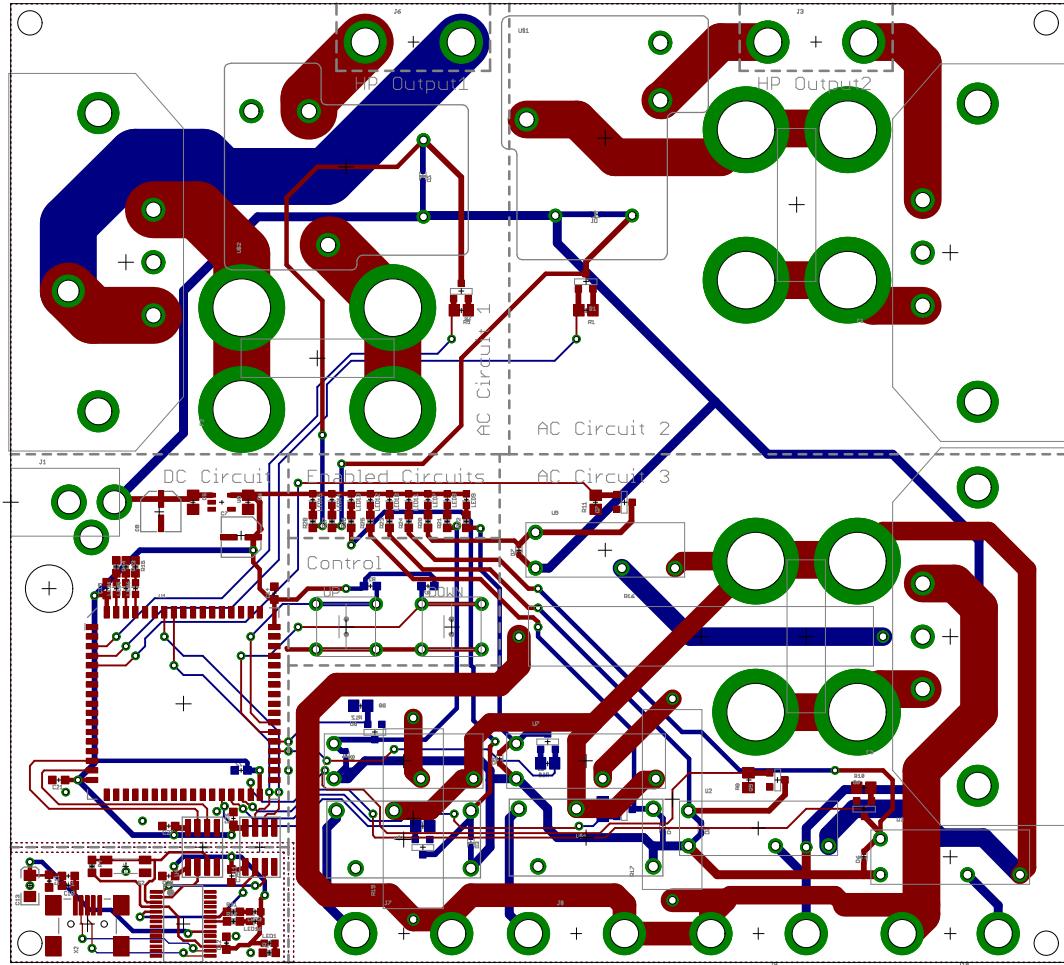
## Top Paste Layer with Silkscreen



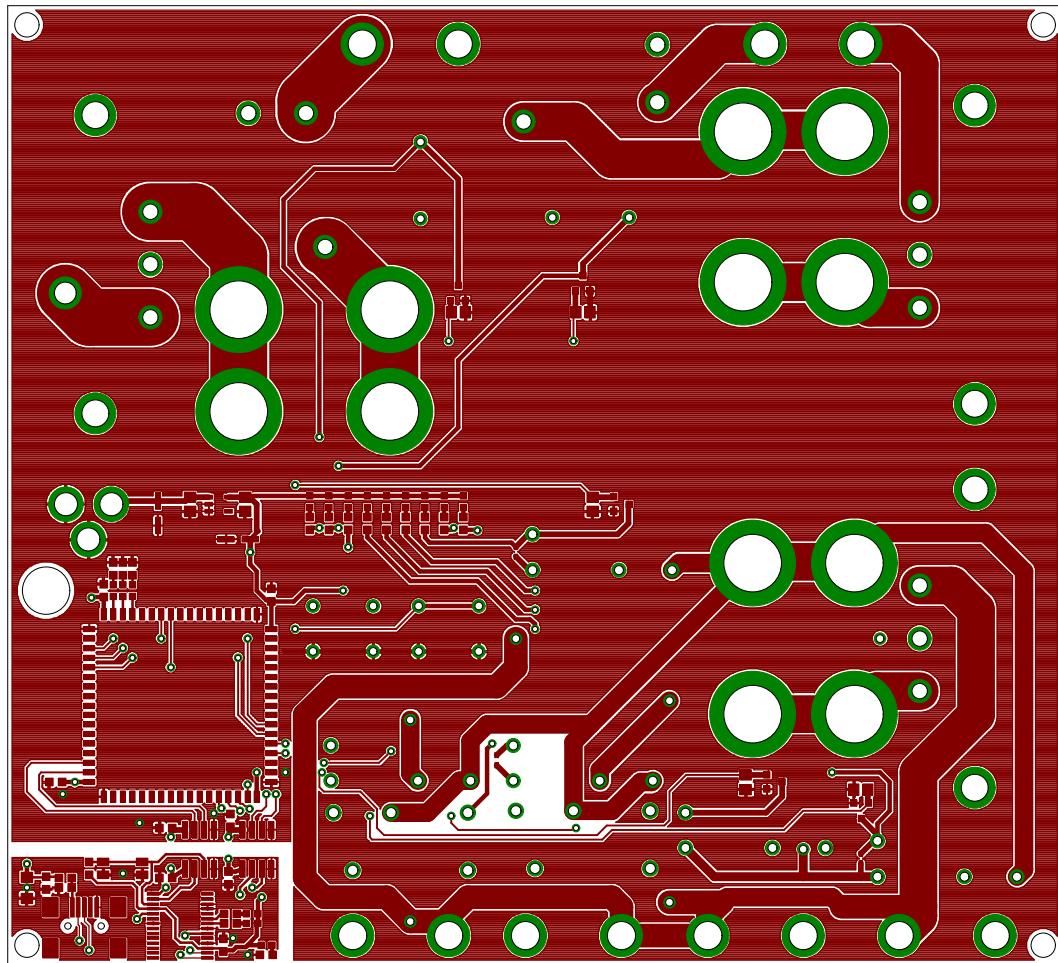
## Bottom Paste Layer with Silkscreen



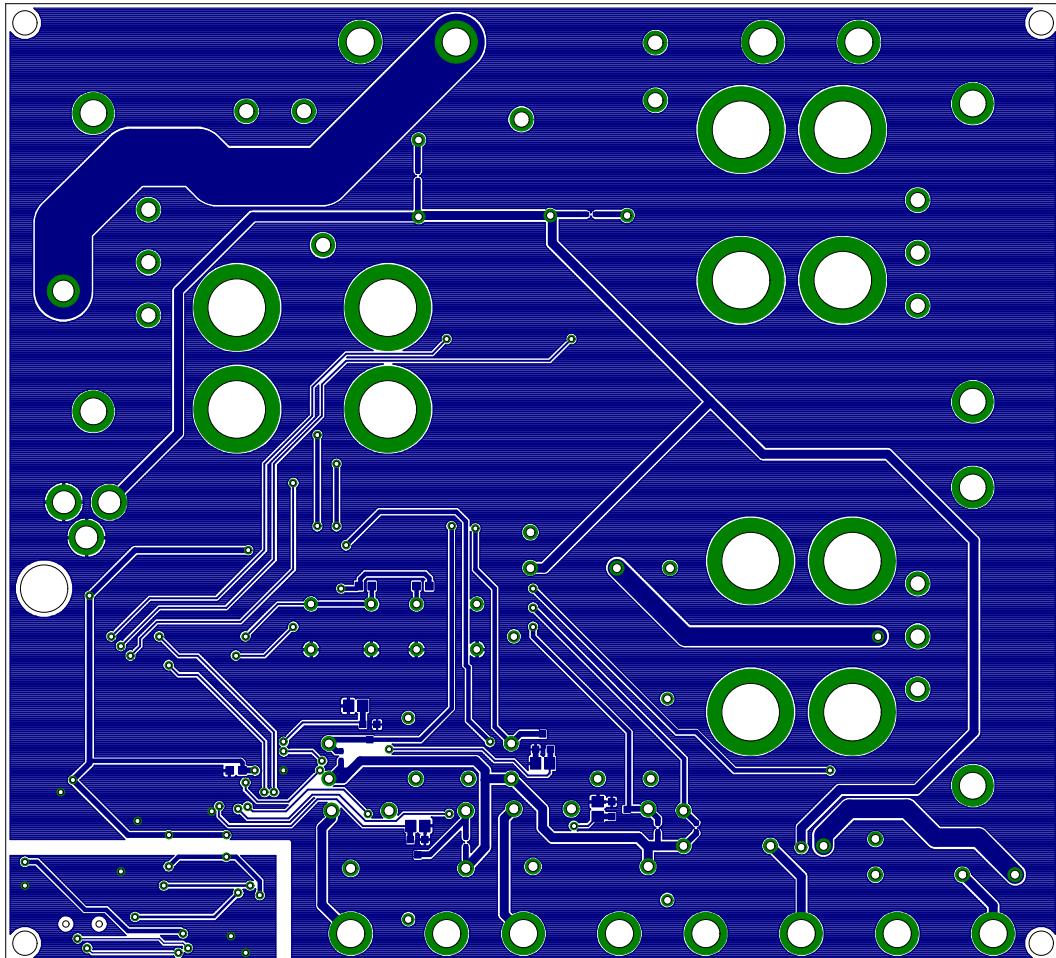
## Top and Bottom Layers 1:1 Scale



Top Layer 1:1 Scale



Bottom Copper Layer 1:1 Scale



Part	Value	Device	Package	Description	DIGIKEY	DIGIKEY2	DIGIKEY3	MF	MPN	OC_FARNELL	OC_NEWRK
C5	1uF	C-EUC0805	C0805	CAPACITOR, European symbol	445-7632-1-ND						
C6	4.7uF	C-EUC0805	C0805	CAPACITOR, European symbol	445-1605-1-ND						
C7	10uF	CAP_POLB	PANASONIC_B	Capacitor Polarized	PCE3878CT-ND						
C8	10uF	CAP_POLB	PANASONIC_B	Capacitor Polarized	PCE3878CT-ND						
C10		CAP0603-CAP	0603-CAP	Capacitor	445-1316-1-ND						
C11		CAP0603-CAP	0603-CAP	Capacitor	445-1316-1-ND						
C12		CAP0603-CAP	0603-CAP	Capacitor	445-1316-1-ND						
C13		CAP_POL1206	EIA3216	Capacitor Polarized	478-1655-1-ND						
C14	0.1uF	C-EUC0603	C0603	CAPACITOR, European symbol	445-1316-1-ND						
C15	0.1uF	C-EUC0603	C0603	CAPACITOR, European symbol	445-1316-1-ND						
C21	0.1uF	C-EUC0603	C0603	CAPACITOR, European symbol	445-1316-1-ND						
C22	0.1uF	C-EUC0603	C0603	CAPACITOR, European symbol	445-1316-1-ND						
C25	0.1uF	C-EUC0603	C0603	CAPACITOR, European symbol	445-1316-1-ND						
C26	0.1uF	C-EUC0603	C0603	CAPACITOR, European symbol	445-1316-1-ND						
C27	0.1uF	C-EUC0603	C0603	CAPACITOR, European symbol	445-1316-1-ND						
C28	0.1uF	C-EUC0603	C0603	CAPACITOR, European symbol	445-1316-1-ND						
D1		DIODESDS523	SOD523	Diode	1N4148WCT-ND						
D2		DIODESDS523	SOD523	Diode	1N4148WCT-ND						
D3		DIODESDS523	SOD523	Diode	1N4148WCT-ND						
D4		DIODESDS523	SOD523	Diode	1N4148WCT-ND						
D5		DIODESDS523	SOD523	Diode	1N4148WCT-ND						
D6		DIODESDS523	SOD523	Diode	1N4148WCT-ND						
D7		DIODESDS523	SOD523	Diode	1N4148WCT-ND						
D8		DIODESDS523	SOD523	Diode	1N4148WCT-ND						
D9		DIODESDS523	SOD523	Diode	1N4148WCT-ND						
DOWN	PUSHBUTTON_SWITCHTHRU	PUSHBUTTON_SWITCHTHRU	SWITCH_SPST_NO		P123465-ND						
F1	10A, 35A break	FUSE	F_F211		507-1256-ND	507-1415-ND	507-1415-ND				
F2	10A, 35A break	FUSE	F_F211		507-1256-ND	507-1415-ND	507-1415-ND				
F3	10A, 35A break	FUSE	F_F211		507-1256-ND	507-1415-ND	507-1415-ND				
J1	DC_JACK	DC_JACK	DC_JACK		CP-2028-ND	271-2583-ND					
J2	POWER_SOCKET	POWER_SOCKET	POWER_SOCKET		Q219-ND						
J3	POWER_PLUGHOLE	POWER_PLUGHOLE	POWER_PLUG		Q219-ND						
J4	POWER_SOCKET	POWER_SOCKET	POWER_SOCKET		Q219-ND						
J5	POWER_SOCKET	POWER_SOCKET	POWER_SOCKET		Q219-ND						
J6	POWER_PLUGHOLE	POWER_PLUGHOLE	POWER_PLUG								
J7	POWER_PLUGHOLE	POWER_PLUGHOLE	POWER_PLUG								
J8	POWER_PLUGHOLE	POWER_PLUGHOLE	POWER_PLUG								
J9	POWER_PLUGHOLE	POWER_PLUGHOLE	POWER_PLUG								
J10	POWER_PLUGHOLE	POWER_PLUGHOLE	POWER_PLUG								
L1		INDUCTOR0603	603	Inductors	240-2373-1-ND						
LED1		LED0603	LED-0603	LEDs	1080-1405-1-ND						
LED3		LED0603	LED-0603	LEDs	1080-1405-1-ND						
LED4		LED0603	LED-0603	LEDs	1080-1405-1-ND						
LED5		LED0603	LED-0603	LEDs	1080-1405-1-ND						
LED6		LED0603	LED-0603	LEDs	1080-1405-1-ND						
LED7		LED0603	LED-0603	LEDs	1080-1405-1-ND						
LED8		LED0603	LED-0603	LEDs	1080-1405-1-ND						
LED9		LED0603	LED-0603	LEDs	1080-1405-1-ND						
LED10		LED0603	LED-0603	LEDs	1080-1405-1-ND						
LED11		LED0603	LED-0603	LEDs	1080-1405-1-ND						
LED12		LED0603	LED-0603	LEDs	1080-1405-1-ND						
LED13		LED0603	LED-0603	LEDs	1080-1405-1-ND						
LED14		LED0603	LED-0603	LEDs	1080-1405-1-ND						
LED15		LED0603	LED-0603	LEDs	1080-1405-1-ND						
LED16		LED0603	LED-0603	LEDs	1080-1405-1-ND						
Q1		NMOS00T23	SOT-23	MOS FET	FDV303NCT-ND						
Q2		NMOS00T23	SOT-23	MOS FET	FDV303NCT-ND						
Q3		NMOS00T23	SOT-23	MOS FET	FDV303NCT-ND						
Q4		NMOS00T23	SOT-23	MOS FET	FDV303NCT-ND						
Q5		NMOS00T23	SOT-23	MOS FET	FDV303NCT-ND						
Q6		NMOS00T23	SOT-23	MOS FET	FDV303NCT-ND						
Q7		NMOS00T23	SOT-23	MOS FET	FDV303NCT-ND						
Q8		NMOS00T23	SOT-23	MOS FET	FDV303NCT-ND						
Q9		NMOS00T23	SOT-23	MOS FET	FDV303NCT-ND						
R1	R-US_M0805	M0805	RESISTOR	American symbol	P10KACT-ND						
R2	240	RESISTOR0603-RES	0603-RES	Resistor	P240GCT-ND						
R4	10k	RESISTOR0603-RES	0603-RES	Resistor	P10KGCT-ND						
R5		R-US_M0805	M0805	RESISTOR	P10KACT-ND						
R6		R-US_M0805	M0805	RESISTOR	P10KACT-ND						
R7	10k	R-US_R0603	R0603	RESISTOR	P10KGCT-ND						
R8		R-US_M0805	M0805	RESISTOR	P10KACT-ND						
R9		R-US_M0805	M0805	RESISTOR	P10KACT-ND						
R10		R-US_M0805	M0805	RESISTOR	P10KACT-ND						
R11		R-US_M0805	M0805	RESISTOR	P10KACT-ND						
R12		R-US_M0805	M0805	RESISTOR	P10KACT-ND						
R13	240	RESISTOR0603-RES	0603-RES	Resistor	P240GCT-ND						
R14	240	RESISTOR0603-RES	0603-RES	Resistor	P240GCT-ND						
R15	240	RESISTOR0603-RES	0603-RES	Resistor	P240GCT-ND						
R16	3k	AXIAL_RESISTOR0LS10	R_ALS10		ALSR10-3.0K-ND						
R17	12.5k	AXIAL_RESISTOR0LS05	R_ALS05		ALSR05F-12.5K-ND						
R18		R-US_M0805	M0805	RESISTOR	P10KACT-ND						
R19	6k	AXIAL_RESISTOR0LS05	R_ALS05		ALSR5J-6.0K-ND						
R20		RESISTOR0603-RES	0603-RES	Resistor	P240GCT-ND						
R21		RESISTOR0603-RES	0603-RES	Resistor	P240GCT-ND						
R22		RESISTOR0603-RES	0603-RES	Resistor	P240GCT-ND						
R23		RESISTOR0603-RES	0603-RES	Resistor	P240GCT-ND						
R24		RESISTOR0603-RES	0603-RES	Resistor	P240GCT-ND						
R25		RESISTOR0603-RES	0603-RES	Resistor	P240GCT-ND						
R26		RESISTOR0603-RES	0603-RES	Resistor	P240GCT-ND						
R27		RESISTOR0603-RES	0603-RES	Resistor	P240GCT-ND						
R28		RESISTOR0603-RES	0603-RES	Resistor	P240GCT-ND						
R29	10k	R-US_R0603	R0603	RESISTOR	P10KGCT-ND						
R31		RESISTOR0603-RES	0603-RES	Resistor	P240GCT-ND						
R32		RESISTOR0603-RES	0603-RES	Resistor	P240GCT-ND						
S2	SWITCH-OFF-MOM	SWITCH-OFF-MOM	SWITCH-OFF-MOM		P11085CT-ND						
U\$1	RELAYPTH3	RELAYPTH3	RELAY-T9A-2	SPDT relay (COM-0010)	PB1014-ND						
U\$2	RELAYPTH3	RELAYPTH3	RELAY-T9A-2	SPDT relay (COM-0010)	PB1014-ND						
U\$3	RELAYPTH	RELAYPTH	RELAY-G5Q	SPDT relay (COM-0010)	Z2929-ND						
U\$4	RELAYPTH	RELAYPTH	RELAY-G5Q	SPDT relay (COM-0010)	Z2929-ND						
U1	EPIC-CORE_A	EPIC-CORE_A	EPIC-LCC68		Z1674-ND						
U2	RELAY-SPST	RELAY-SPST	RELAY-G5NB		Z1674-ND						
U3	RELAY-SPST	RELAY-SPST	RELAY-G5NB		Z1674-ND						
U4	2CH_ISO_SAME	2CH_ISO_SAME	SOIC8		296-21953-1-ND						
U5	RELAY-SPST	RELAY-SPST	RELAY-G5NB		Z1674-ND						
U6	RELAY-SPST	RELAY-SPST	RELAY-G5NB		Z1674-ND						
U7	RELAY-SPST	RELAY-SPST	RELAY-G5NB		Z1674-ND						
U8	V_REG_LDO5C74A	V_REG_LDO5C74A	SC74A	Voltage Regulator LDO	296-11039-2-ND						
U10	FT232RL	FT232RL	S50P28	Source: <a href="http://www.ftdichip.com/Documents/DataSheets/DS_FT232R_v104.pdf">http://www.ftdichip.com/Documents/DataSheets/DS_FT232R_v104.pdf</a>	768-1007-1-ND						
U11	2CH_ISO_OP	2CH_ISO_OP	SOIC8		296-21956-1-ND						
UP	PUSHBUTTON_SWITCHTHRU	PUSHBUTTON_SWITCHTHRU	SWITCH_SPST_NO		P123465-ND						
X2	USB5MD	USB5MD	USB-MINI8								
Y1	ANT_HOLE	ANT_HOLE	ANT_HOLE	USB Connectors	670-1190-1-ND						