

Component Count:	50					
Ref	Qty	Value	Cmp name	Footprint	Description	Vendor
C1, C2, C4, C6, C11,	5	47uF	C_Polarized_US	Capacitor_SMD: C_0805_2012Metric	Polarized capacitor, US symbol	
C3, C5, C7, C8,	4	0.1uF	C	Capacitor_SMD: C_0805_2012Metric	Unpolarized capacitor	
C9, C10,	2	1uF	C	Capacitor_SMD: C_0805_2012Metric	Unpolarized capacitor	
Cc1,	1	0.47uF	C	Capacitor_SMD: C_0805_2012Metric	Unpolarized capacitor	
Csn1, Csn2,	2	0.01uF	C	Capacitor_SMD: C_0805_2012Metric	Unpolarized capacitor	
D1, D2, D3, D4,	4	0.35V	D_Shockley	Diode_SMD:D_SMC	Shockley (PNPN) diode	<a href="#">Digikey</a>
J1,	1	#ERROR!	Screw_Terminal_	TerminalBlock_Phoenix: TerminalBlock_Phoenix_ MKDS-1,5-2-5.08 _1x02_P5. 08mm_Horizontal	Generic screw terminal, single row, 01x02, script generated (kicad-library- utils/schlib/autogen/connector/)	
J2,	1	lout	Screw_Terminal_	TerminalBlock_Phoenix: TerminalBlock_Phoenix_ MKDS-1,5-2-5.08 _1x02_P5. 08mm_Horizontal	Generic screw terminal, single row, 01x02, script generated (kicad-library- utils/schlib/autogen/connector/)	
L_FM1, L_FM2, L_FM3,	3	0.1mH	L	Inductor_THT:L_Axial_L9. 5mm_D4.0mm_P5. 08mm_Vertical_Fastron_ SMCC	Inductor	
R1,	1	240	R_US	Resistor_SMD: R_0805_2012Metric	Resistor, US symbol	
R2,	1	720	R_US	Resistor_SMD: R_0805_2012Metric	Resistor, US symbol	
Rc1,	1	249	R_US	Resistor_SMD: R_0805_2012Metric	Resistor, US symbol	
Rcl1, Rcl2,	2	5.49k	R_US	Resistor_SMD: R_0805_2012Metric	Resistor, US symbol	
RF1,	1	1k	R_US	Resistor_SMD: R_0805_2012Metric	Resistor, US symbol	
RI1,	1	1k	R_US	Resistor_SMD: R_0805_2012Metric	Resistor, US symbol	

Rp1, Rp2, Rp3, Rp4, Rp5, Rp6, Rp7	8	1	R_US	Resistor_THT: R_Axial_DIN0309_L9. 0mm_D3.2mm_P12. 70mm_Horizontal	Resistor, US symbol	
Rs1,	1	4	R_US	Resistor_THT: R_Bare_Metal_Element_ L21.3mm_W4.8mm_P20. 30mm	Resistor, US symbol	<a href="#">Digikey</a>
Rset1,	1	475	R_US	Resistor_SMD: R_0805_2012Metric	Resistor, US symbol	
Rsn1, Rsn2,	2	10	R_US	Resistor_SMD: R_0805_2012Metric	Resistor, US symbol	
U1,	1	REF5025AD	REF5025AD	Package_SO:SOIC-8_3. 9x4.9mm_P1.27mm	2.5V 0.1% 10mA Low Noise Precision Voltage Reference, SO- 8	<a href="#">Digikey</a>
U2,	1	LM317_TO-220	LM317_TO-220	Package_TO_SOT_THT: TO-220-3_Vertical	1.5A 35V Adjustable Linear Regulator, TO-220	<a href="#">Element14</a>
U3, U4,	2	OPA569DWP	OPA569DWP	Package_SO:SO-20- 1EP_7.52x12.825mm_P1. 27mm_EP6.045x12. 09mm_Mask3.56x4. 47mm	Rail-to-Rail I/O, 2A, Power Amplifier, SO-20	
Vin1,	1	Input	Conn_Coaxial	Connector_Coaxial: BNC_Amphenol_B6252H B-NPP3G-50_Horizontal	coaxial connector (BNC, SMA, SMB, SMC, Cinch/RCA, LEMO, ...)	Same BNC used in the previous Currrent source design
Vo1, Vo2, Vo3,	3	Output	Conn_Coaxial	Connector_Coaxial: BNC_Amphenol_B6252H B-NPP3G-50_Horizontal	coaxial connector (BNC, SMA, SMB, SMC, Cinch/RCA, LEMO, ...)	Same BNC used in the previous Currrent source design