

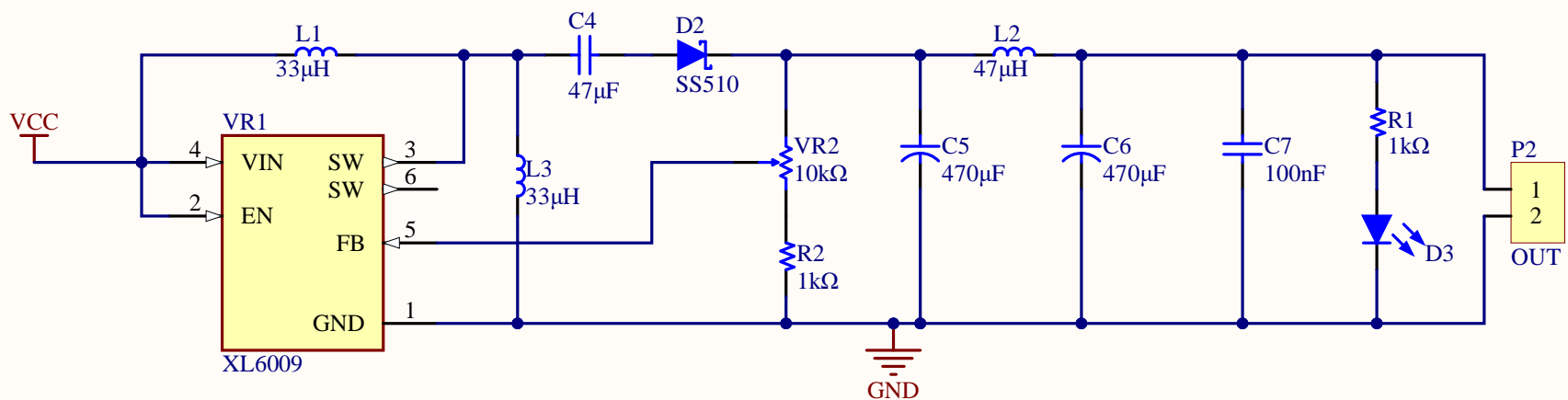
A

A



B

B



C

C

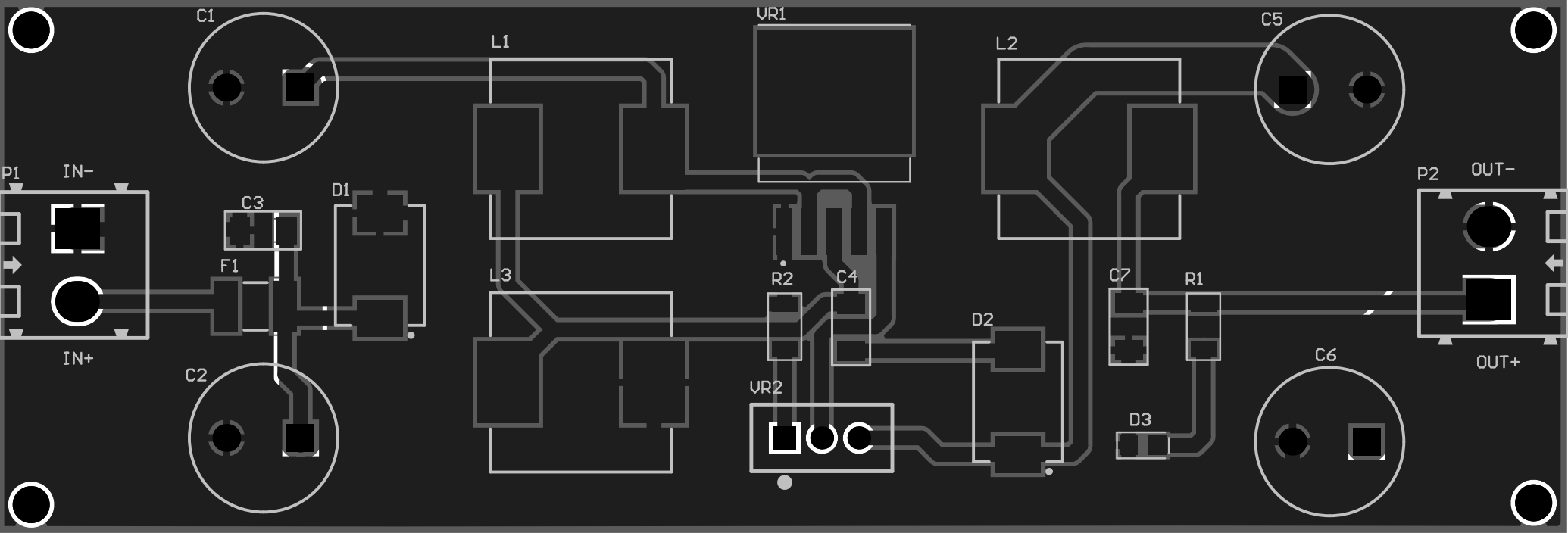
# HOANG LE TRUNG KIEN

D

D



Title <b>XL6009</b>		
Size A4	Number <b>09072005</b>	Revision <b>1.0</b>
Date: 1/21/2026	Sheet of <b>1</b>	
File: F:\ALTIUM_PROJECT\...\Sheet1.SchDoc	Drawn By: <b>HOANG LE TRUNG KIEN</b>	



Comment	Description	Designator	Footprint	LibRef	Quantity
470uF	Capacitor pol	C1, C2	CYL/D.400/LS200	Capacitor	2
100nF	Capacitor non-pol	C3, C7	C1206	Capacitor NP	2
47µF	Capacitor non-pol	C4	CAP Ceramic/W300	Capacitor NP	1
470µF	Capacitor pol	C5, C6	CYL/D.400/LS200	Capacitor	2
SS510	Schottky Diode	D1, D2	DO-214AB (SMC)	Diode Schottky	2
Led	Typical LED	D3	Led 0805 RED	Led	1
5A	Fuse	F1	Fuse 1812P050	Fuse	1
33µH	Inductor	L1, L3	Inductor SMD 12x12x8	Inductor	2
47µH	Inductor	L2	Inductor SMD 12x12x8	Inductor	1
IN	Header, 2-Pin	P1	HDR/Terminal/2/5mm	Header 2	1
OUT	Header, 2-Pin	P2	HDR/Terminal/2/5mm	Header 2	1
1kΩ	Resistor	R1, R2	R1206	Resistor	2
XL6009	The XL6009 regulator is a wide input range, current mode, DC/DC converter which is capable of generating either positive or negative output voltages.	VR1	DPAK170P1435X465-6N	XL6009	1
10kΩ	Resistor Variable	VR2	RVARE	Resistor Variable	1