POWER INPUT
(5-12V)

+/-24V OUTPUT
(500mA MAX)

U1
ADP5070AREZ

Input		
Vin	12	V
Cin	10	uF

+24V Output			-24V Output		
Vref	0.8	V	Vref	0.8	
Vout	24	V	Vref pin	1.6	
			Vout	-24	
Iout	0.500	A	Iout	0.500	
fsw	1200	KHz	fsw	1200	
Rft1	3090	Kohm	Rft2	3160	
Cout1-cap	10	uF	Cout2-cap	10	
Cout1-esr		ohm	Cout2-esr		
D1	NSR0530HT1G		D2	NSR0530HT1G	
D1 Vf	0.62	V	D2 Vf	0.62	
D1 Cj	10	pF	D2 Cj	10	
L1	NR5040T150M		L2	NR5040T150M	
L1-ind	15	uH	L2-ind	15	
Inductor			Inductor		
Duty Cycle	51.26%		Duty Cycle	67.23%	
Iin	1.026	A	Il2	1.526	
ton	0.427	us	ton	0.560	
Il1-ripple	0.342	A	Il2-ripple	0.448	
Il1-ripple	33.31%		Il2-ripple	29.37%	
Il1-peak	1.197	A	Il2-peak	1.750	
L1-min	2.687	uH	L2-min	5.927	
Loop Compensation			Loop Compensation		
fz1-rhp	120.992	kHz	fz2-rhp	8.134	
Rc1	243.22	Kohm	Rc2	4.09	
Cc1	216	pF	Cc2	0.191	
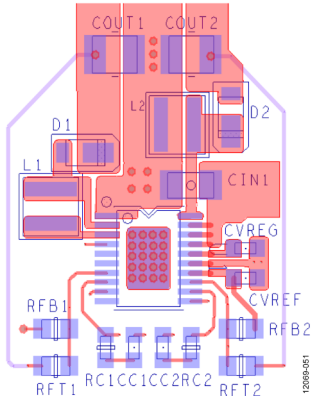
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Title: +/-24V REGULATOR DEMO BOARD
Size: B   Date: 2019-11-05   Rev:
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