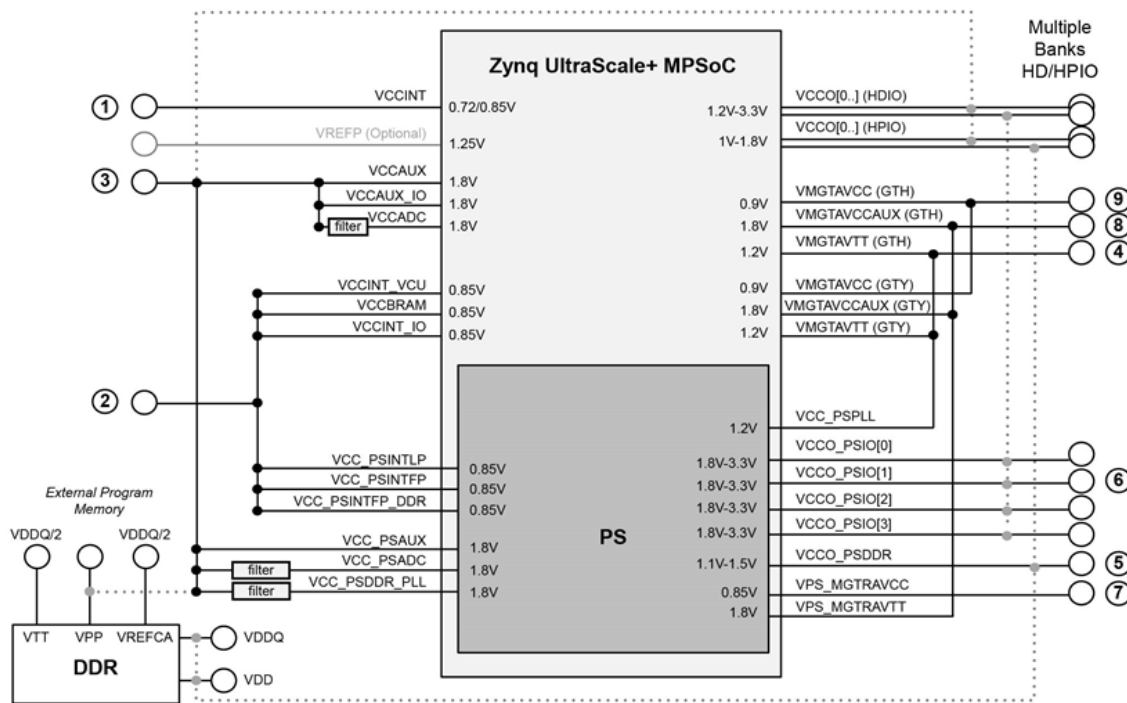
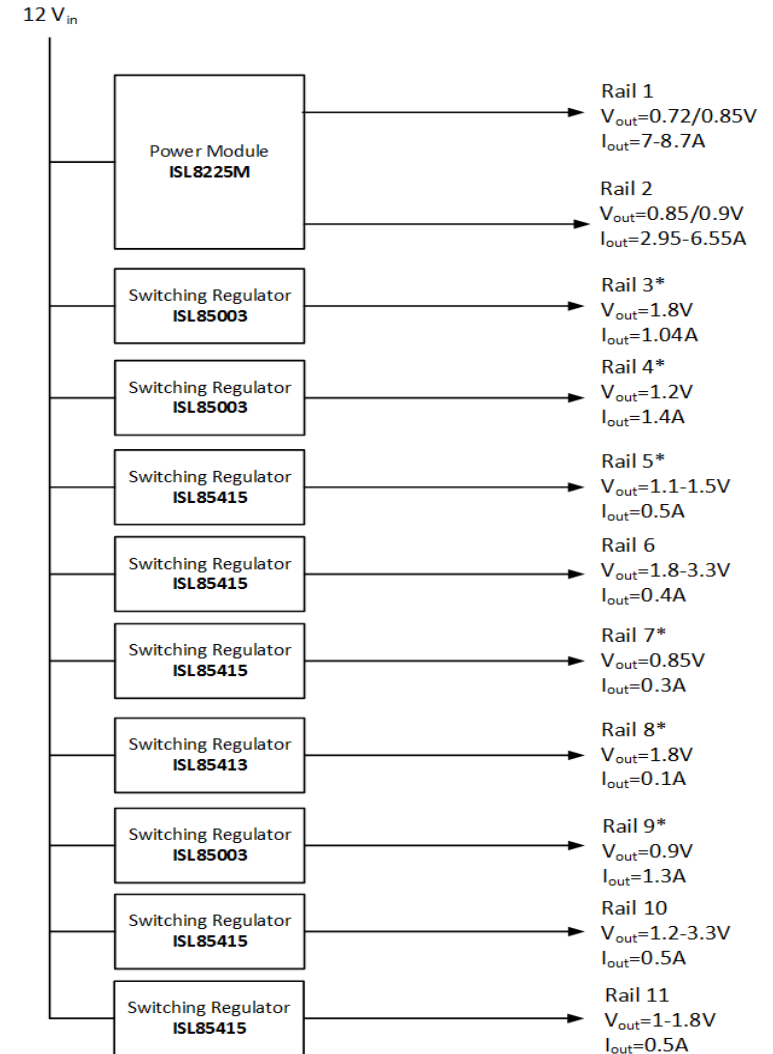


USECASE 2 #2

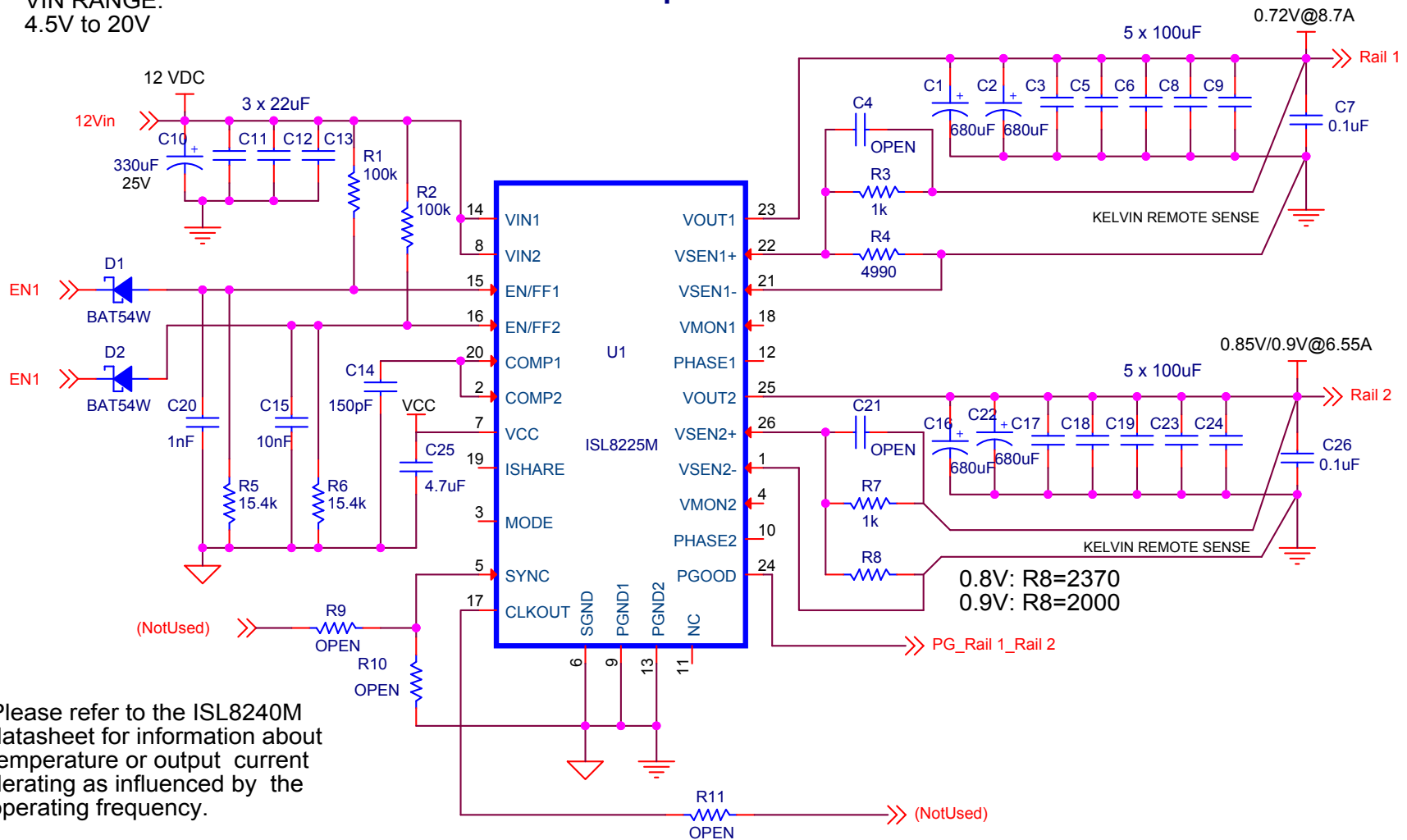


Rail	Voltage	Power Supply Rails
Rail 1	0.72/0.85V	VCCINT
Rail 2	0.85/0.9V	VCC_PSINTFP, VCC_PSINTLP, VCC_PSINTFP_DDR, VCCINT_VCU, VCCINT_IO, VCCBRAM
Rail 3*	1.8V*	VCC_PSAUX, VCCAUX, VCCAUX_IO, VCC_PSDDR_PLL, VCCADC, VCC_PSADC
Rail 4*	1.2V*	VMGTAVTT(GTH), VMGTAVTT(GTY), VCC_PSPLL
Rail 5	1.1-1.5V	VCCO_PSDDR
Rail 6	1.8-3.3V	VCCO_PSIO
Rail 7*	0.85V*	VPS_MGTRAVCC
Rail 8*	1.8V*	VMGTAVCCAUX(GTH), VMGTAVCCAUX(GTY), VPS_MGTRAVTT
Rail 9*	0.9V*	VMGTAVCC(GTH), VMGTAVCC(GTY)
Rail 10	1.2-3.3V	HDIO_VCCO
Rail 11	1-1.8V	HPIO_VCCO



VIN RANGE:
4.5V to 20V

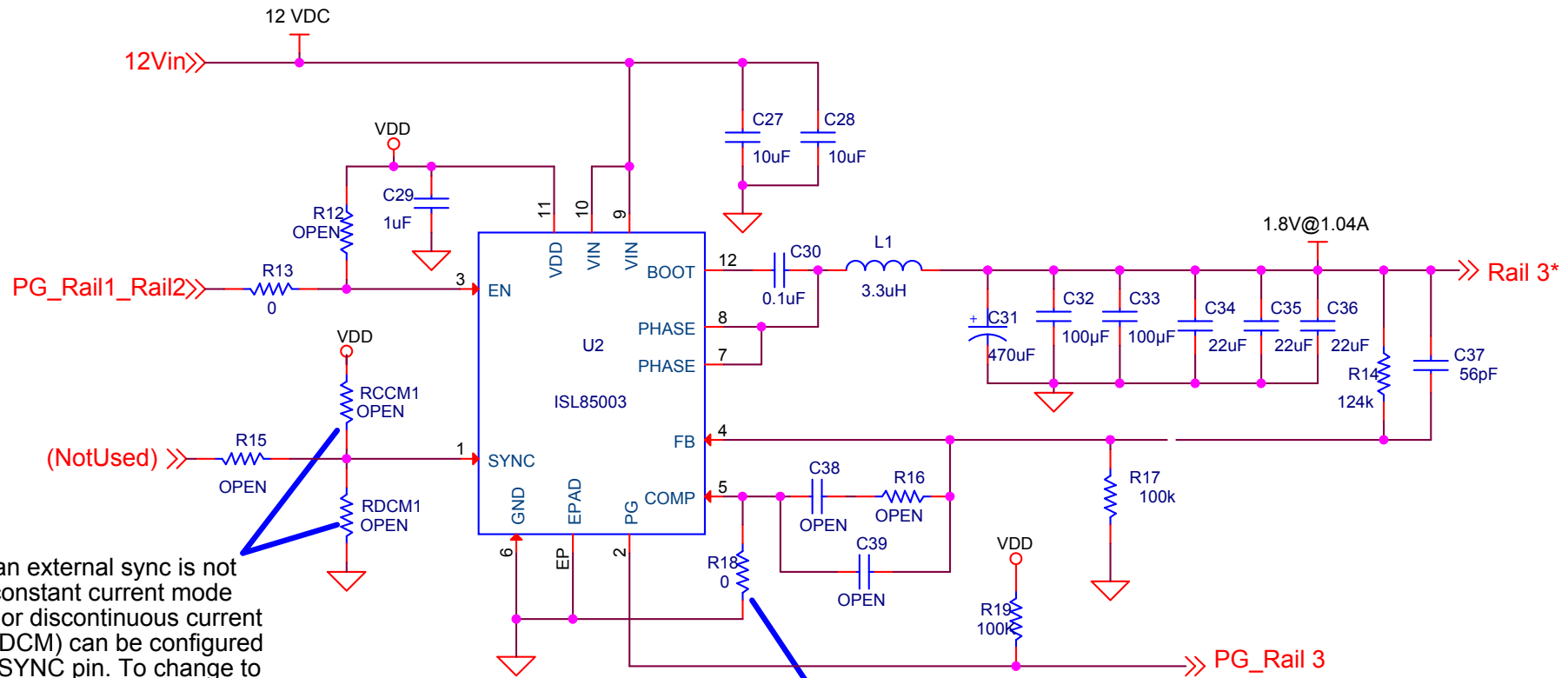
ISL8225M Dual Output 15A/15A



Please refer to the ISL8240M
datasheet for information about
temperature or output current
derating as influenced by the
operating frequency.

Title		
ISL8225M-dual-1		
Size	Document Number	Rev
A		
Date:	Thursday, March 09, 2017	Sheet 2 of 11

ISL85003 SINGLE OUTPUT (3A)



When an external sync is not used, constant current mode (CCM) or discontinuous current mode (DCM) can be configured on the SYNC pin. To change to DCM mode, remove RCCM, and change RDCM to 0 ohms.

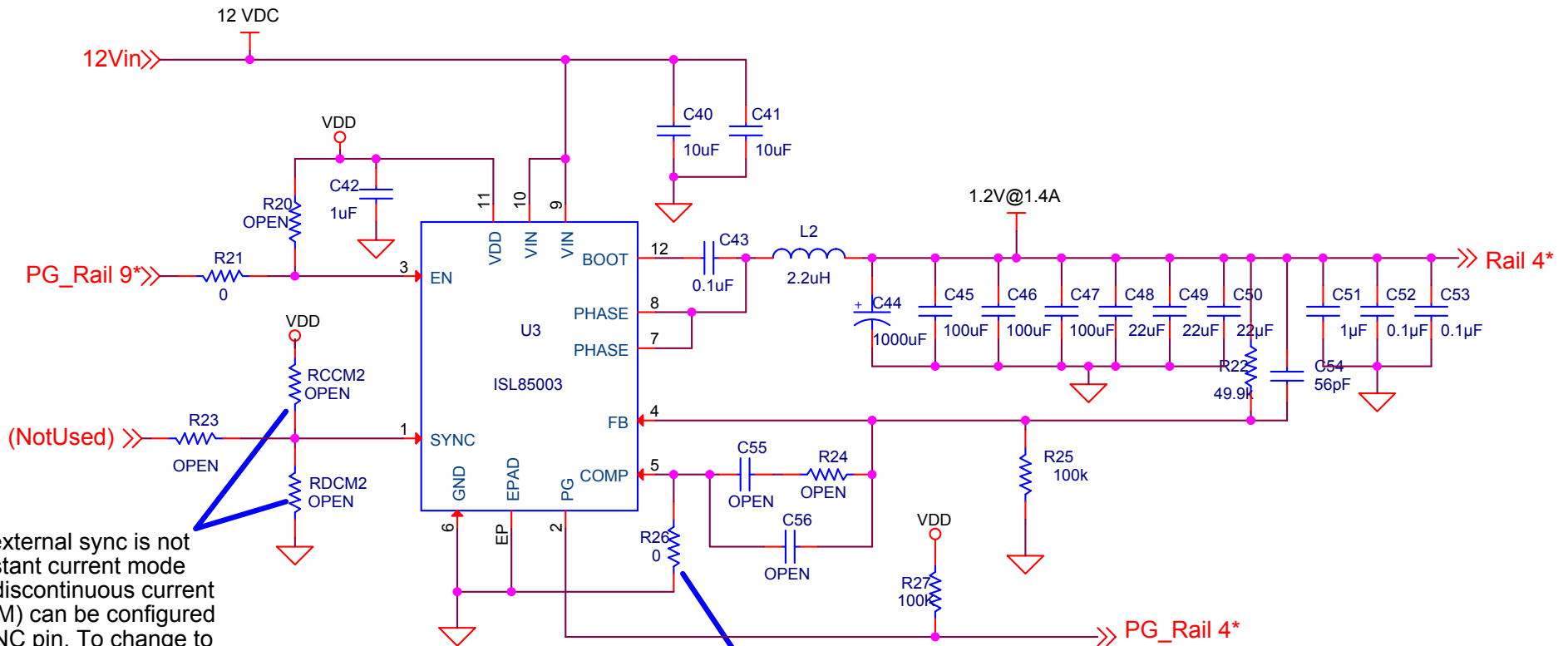
If custom compensation is desired, remove the ground connection on the COMP pin to enable external compensation.

OPEN value components on the COMP pin are place holders if external compensation is used.

Programmable Soft Start is available in the ISL85003A (without synchronization)

Title		
ISL85003-SINGLE-1		
Size	Document Number	Rev
A	<Doc>	<RevCo>
Date:	Thursday, March 09, 2017	Sheet 3 of 11

ISL85003 SINGLE OUTPUT (3A)



When an external sync is not used, constant current mode (CCM) or discontinuous current mode (DCM) can be configured on the SYNC pin. To change to DCM mode, remove RCCM, and change RDCM to 0 ohms.

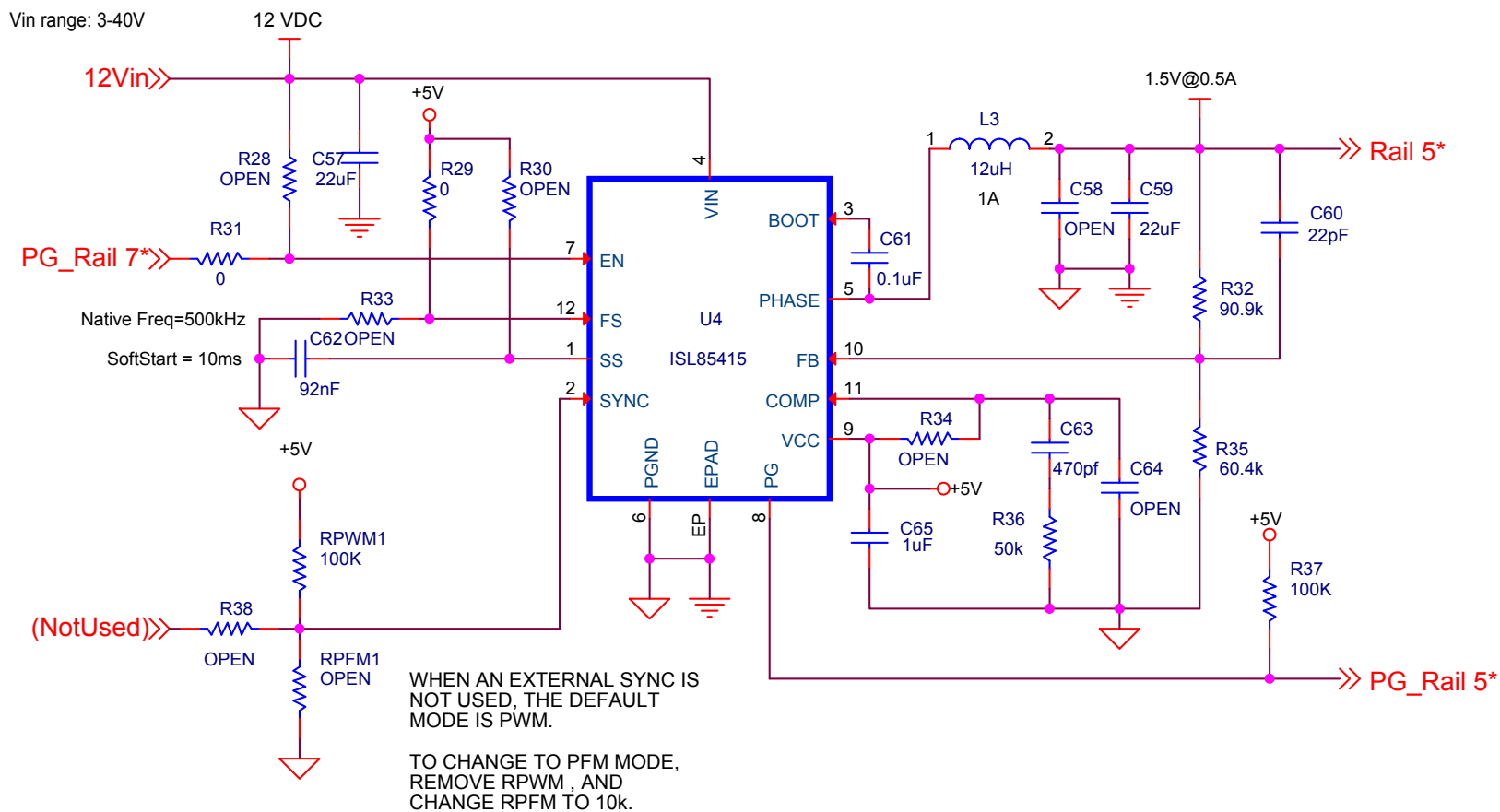
If custom compensation is desired, remove the ground connection on the COMP pin to enable external compensation.

OPEN value components on the COMP pin are place holders if external compensation is used.

Programmable Soft Start is available in the ISL85003A (without synchronization)

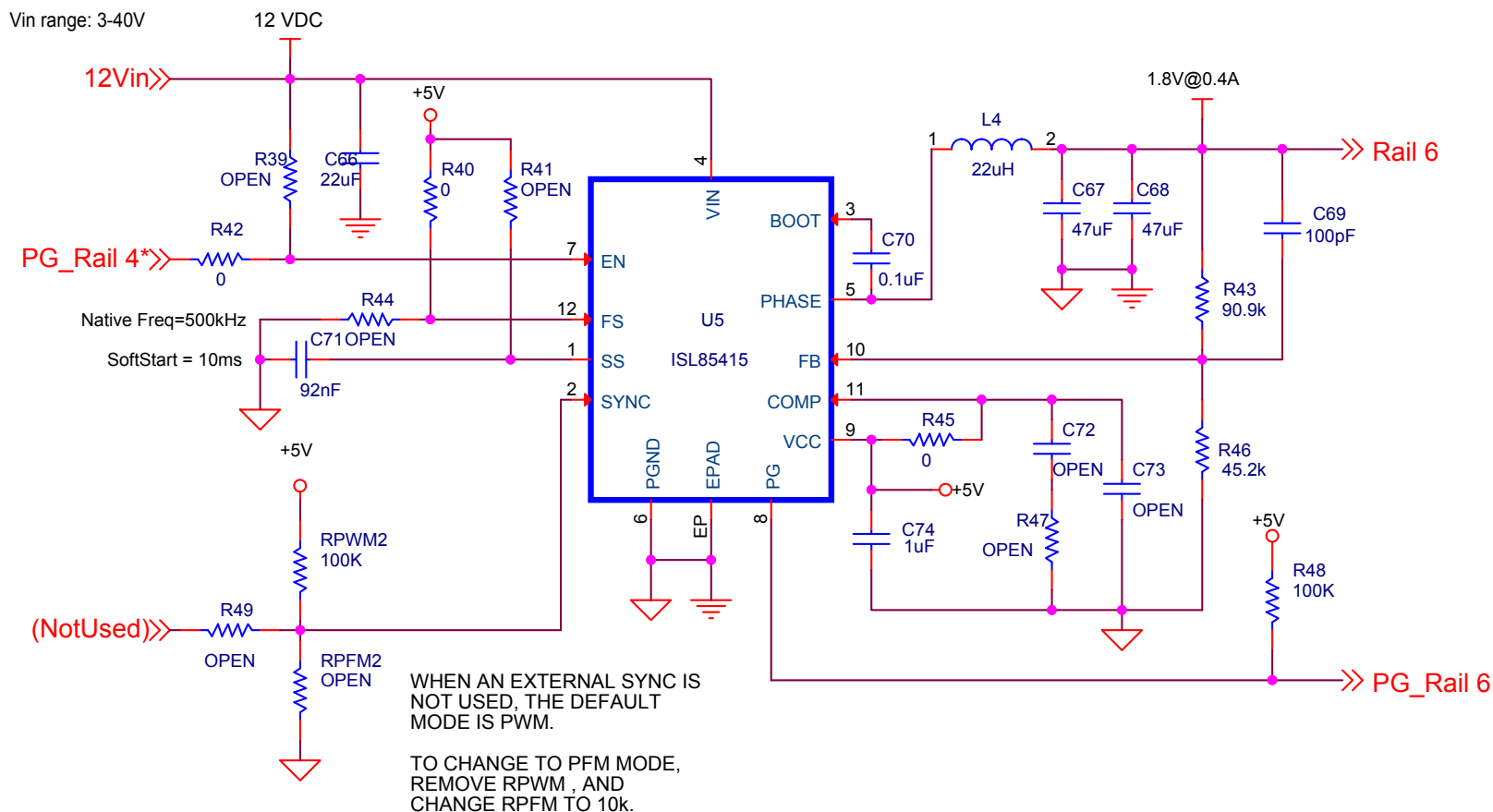
Title		
ISL85003-SINGLE-1		
Size	Document Number	Rev
A	<Doc>	<RevCo>
Date:	Thursday, March 09, 2017	Sheet 4 of 11

ISL85415 SINGLE OUTPUT (500mA)



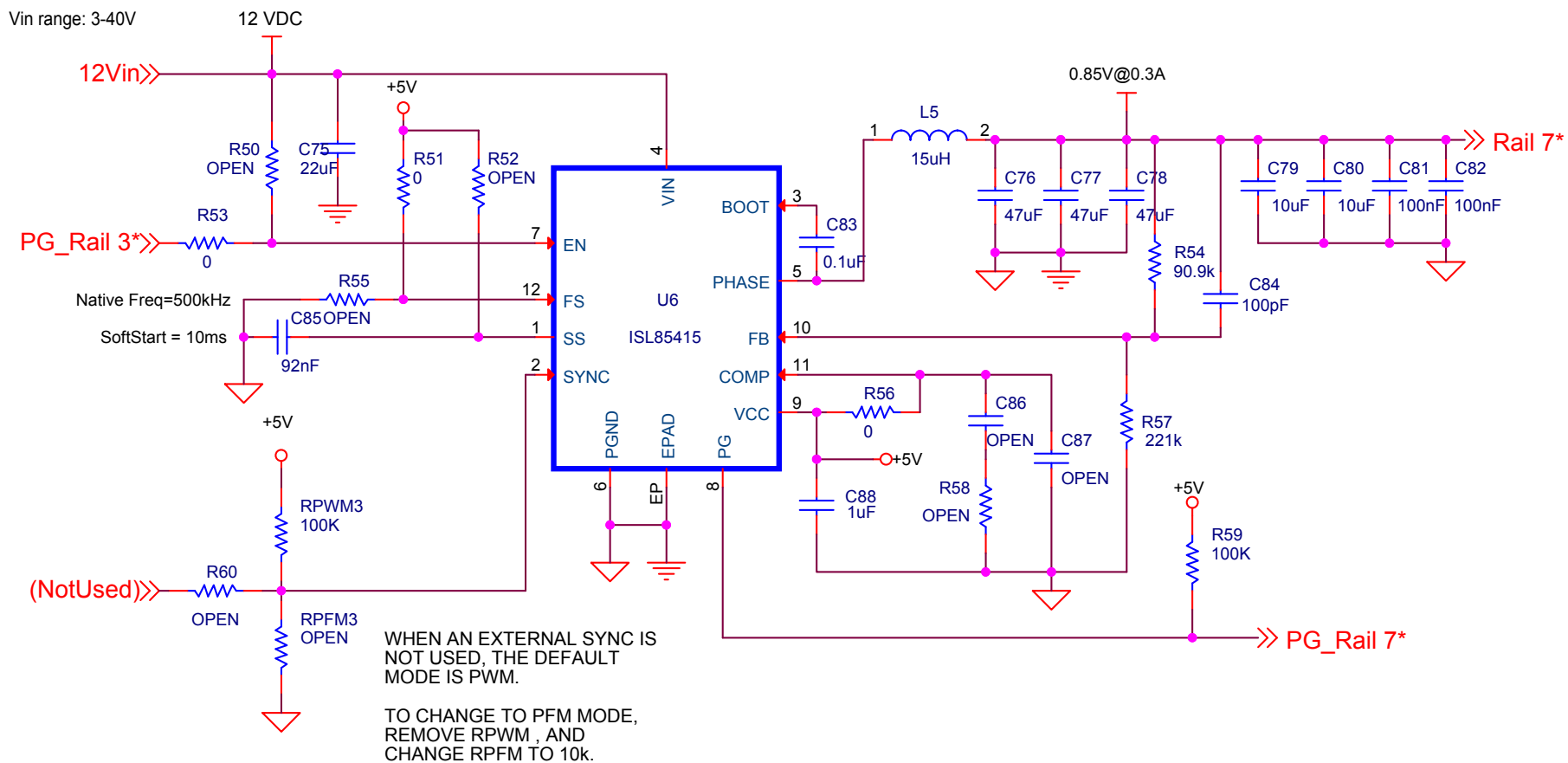
Title		
ISL85415-SINGLE-1		
Size A	Document Number	Rev
Date:	Thursday, March 09, 2017	Sheet 5 of 11

ISL85415 SINGLE OUTPUT (500mA)



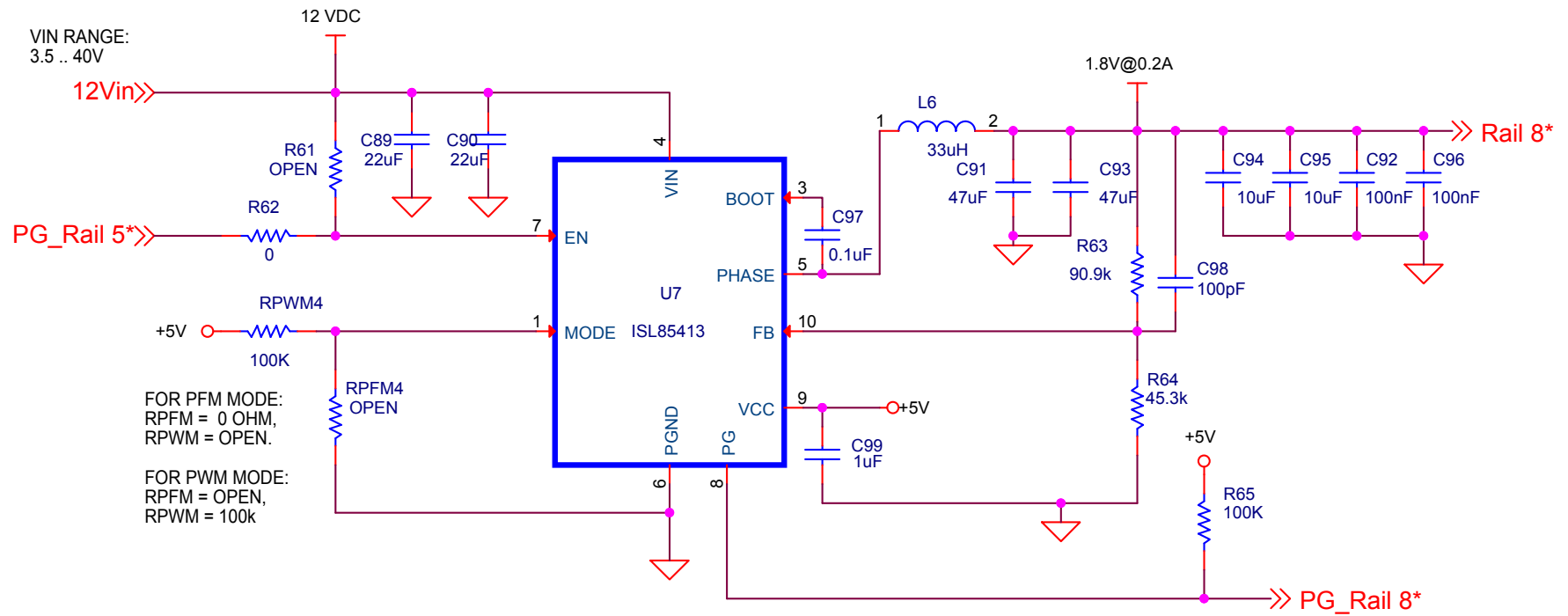
Title		
ISL85415-SINGLE-1		
Size	Document Number	Rev
A		
Date:	Thursday, March 09, 2017	Sheet 6 of 11

ISL85415 SINGLE OUTPUT (500mA)



Title		
ISL85415-SINGLE-1		
Size	Document Number	Rev
A		
Date:	Thursday, March 09, 2017	Sheet 7 of 11
	2	1

ISL85413 SINGLE OUTPUT (300mA)



Title ISL85413-SINGLE-1

Size A Document Number <Doc>

Rev

Date: Thursday, March 09, 2017

Sheet 8 of 11

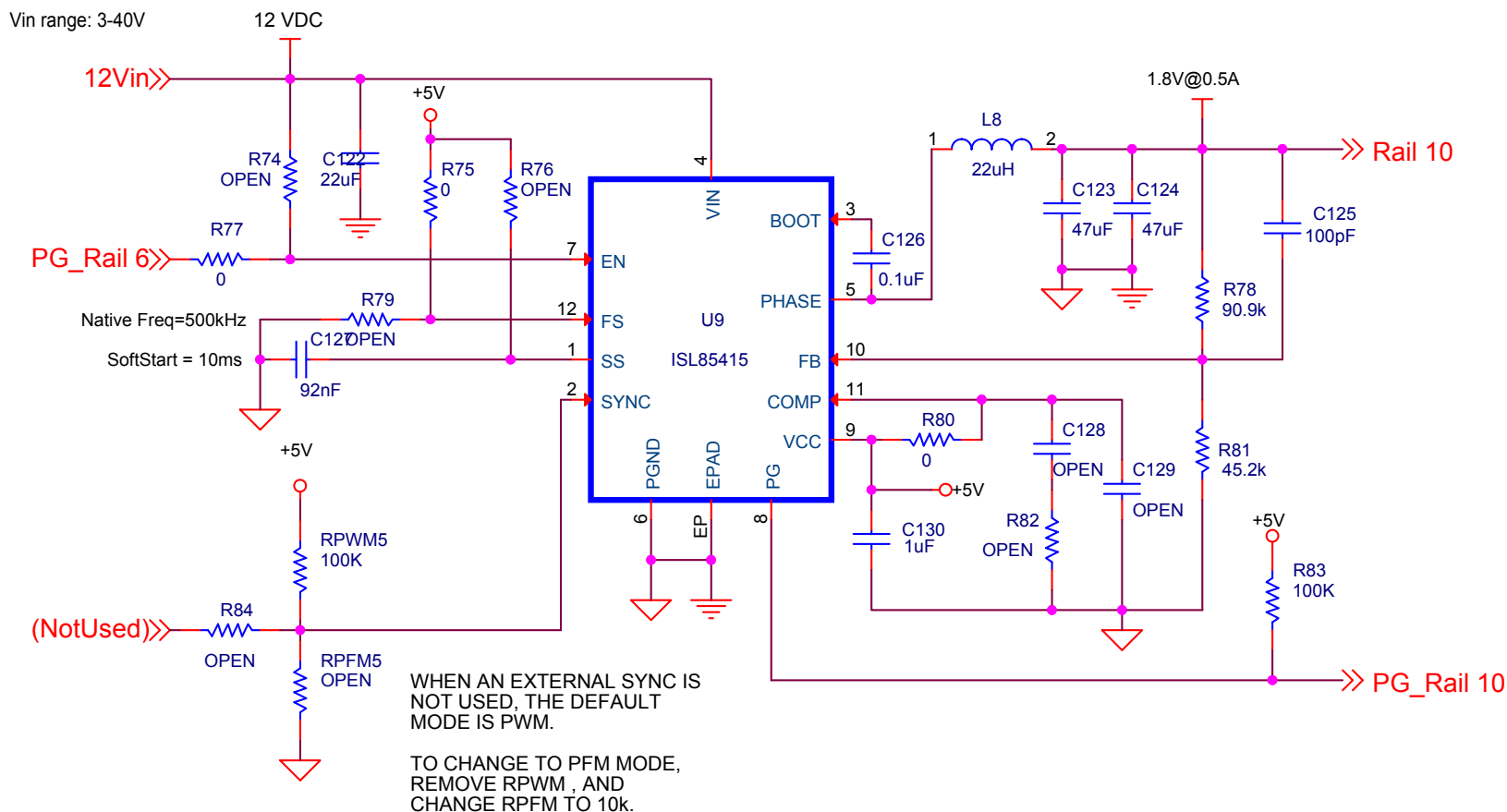
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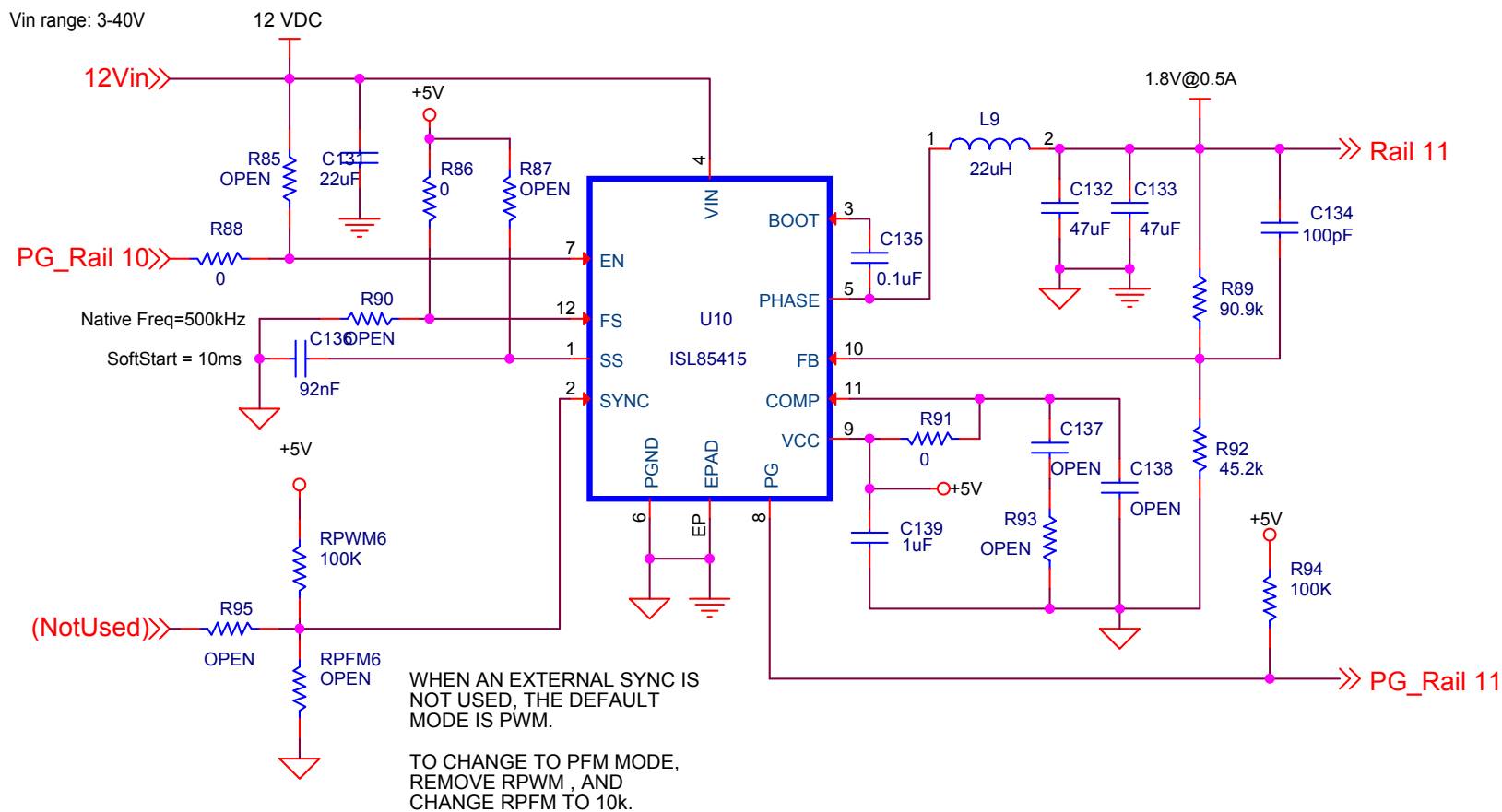
Date: Thursday, March 09, 2017					Sheet 9	
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ISL85415 SINGLE OUTPUT (500mA)



Title		
ISL85415-SINGLE-1		
Size	Document Number	Rev
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Date:	Thursday, March 09, 2017	Sheet 10 of 11
	2	1

ISL85415 SINGLE OUTPUT (500mA)



Title		
ISL85415-SINGLE-1		
Size A	Document Number	Rev
Date:	Thursday, March 09, 2017	Sheet 11 of 11