

Setting the output voltage:
 RX/R1
 3.3V: 3.30K & 100K
 5V: 1.91K
 6.5V: 1.50K & 22.0K
 12V: 732 & 30.0K
 15V: 562
 16.5V: 510
 24V: 374 & 4.32K

Setting the LED current:
 RL1/RL2
 3.3V: 124
 5V: 255
 6.5V: 374
 12V: 910
 15V: 1.30K
 16.5V: 1.50K
 24V: 3.00K

Over-voltage monitor:
 RO1 RO2
 3.3V: 36.0K 26.7K
 5V: 21.0K 17.4K
 6.5V: 15.4K 13.3K
 12V: 7.87K 7.15K
 15V: 6.20K 5.76K
 16.5V: 5.62K 5.11K
 24V: 3.65K 3.65K

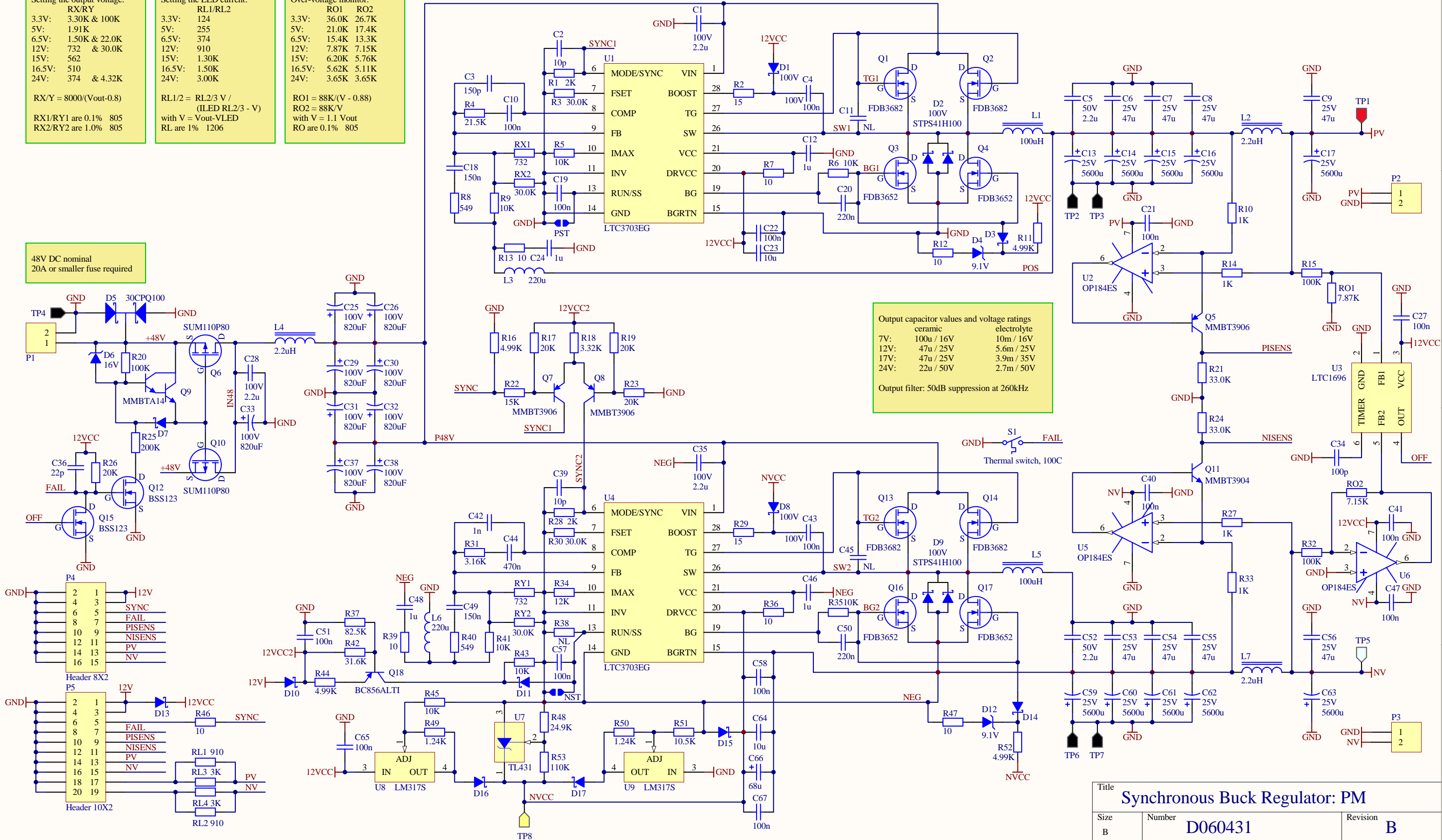
RX/Y = 8000/(Vout-0.8)
 RX1/R1 are 0.1% 805
 RX2/R2 are 1.0% 805

RL1/2 = RL2/3 V / (ILED RL2/3 - V)
 with V = Vout-VLED
 RL are 1% 1206

RO1 = 88K/(V - 0.88)
 RO2 = 88K/V
 with V = 1.1 Vout
 RO are 0.1% 805

48V DC nominal
 20A or smaller fuse required

Output capacitor values and voltage ratings
 ceramic electrolyte
 7V: 100u / 16V 10m / 16V
 12V: 47u / 25V 5.6m / 25V
 17V: 47u / 25V 3.9m / 35V
 24V: 22u / 50V 2.7m / 50V
 Output filter: 50dB suppression at 260kHz



Title		
Synchronous Buck Regulator: PM		
Size	Number	Revision
B	D060431	B
Date:	1/19/2007	Sheet 1 of 1
File:	C:\User\...PowerSupplyPM.SchDoc	Drawn By: Paul Schwinberg/Daniel Sigg