

Setting the output voltage:
 RX/R37
 3.3V: 3.30K & 100K
 5V: 1.91K
 6.5V: 1.50K & 22.0K
 12V: 732 & 29.4K
 15V: 562
 16.5V: 510
 24V: 374 & 4.42K

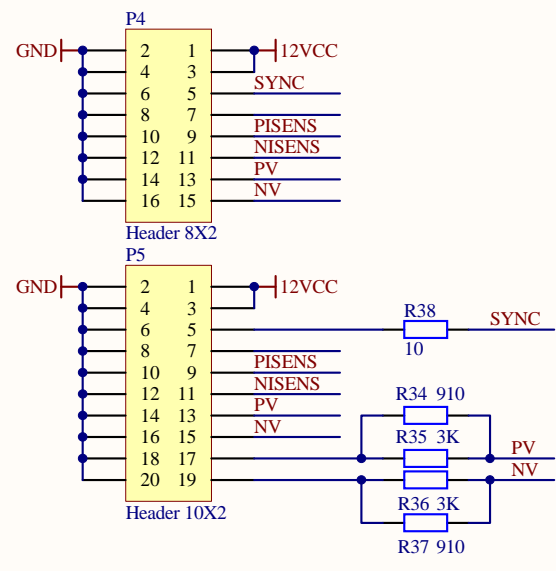
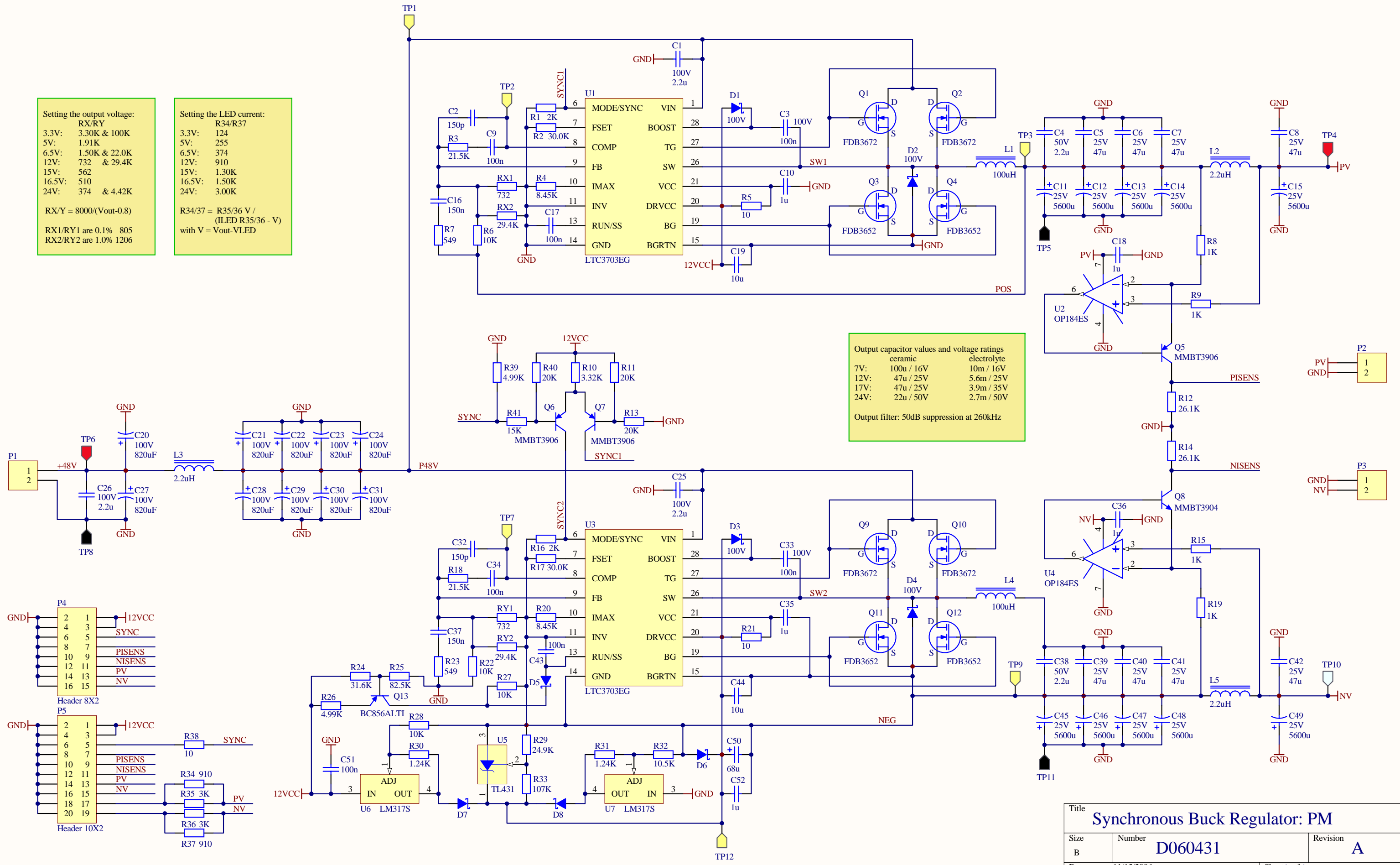
RX/Y = 8000/(Vout-0.8)
 RX1/R37 are 0.1% 805
 RX2/R37 are 1.0% 1206

Setting the LED current:
 R34/R37
 3.3V: 124
 5V: 255
 6.5V: 374
 12V: 910
 15V: 1.30K
 16.5V: 1.50K
 24V: 3.00K

$R34/37 = R35/36 V / (ILED R35/36 - V)$
 with $V = Vout - VLED$

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	A
Date:	11/15/2006	Sheet 1 of 1
File:	C:\User\...\PowerSupplyPM.SchDoc	Drawn By: Paul Schwinberg/Daniel Sigg