

Setting the output voltage:  
RX/R1  
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/R1 are 0.1% 805  
RX2/R2 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  
  
 $R34/37 = R35/36 \text{ V} / (I_{LED} R35/36 - V)$   
with  $V = V_{out} - V_{LED}$

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

# Synchronous Buck Regulator: PP

Size	Number	Revision
B	D060512	A
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File:	C:\User\...\PowerSupplyPP.SchDoc	Drawn By: Paul Schwinberg/Daniel Sigg