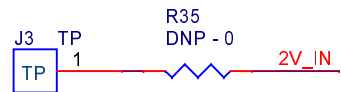
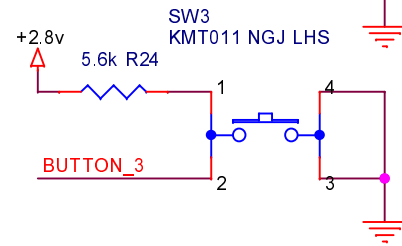
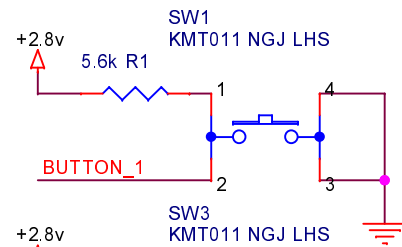
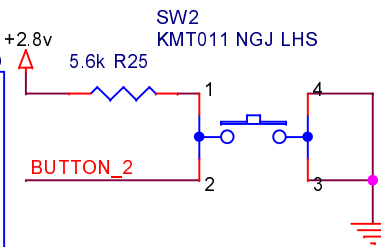
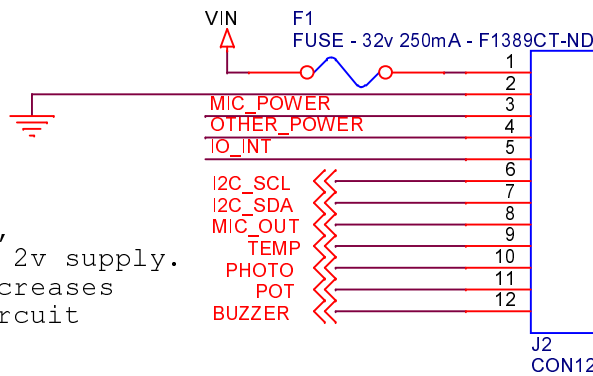


BUZZER multiplexed with LED3



A solder point for "expert mode"

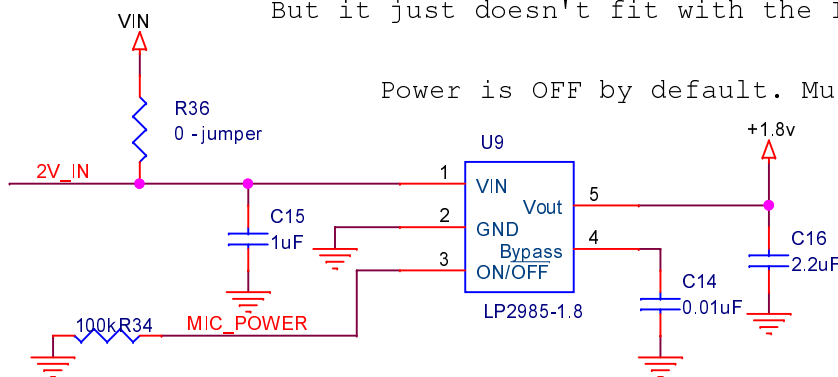
For absolute best power performance, could connect the external switched 2v supply. This (potentially) significantly increases the efficiency of the microphone circuit



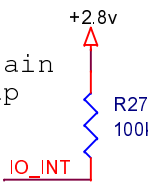
Very worried about the I2C voltage levels being compatible
Went to a lot of trouble to make everything match
Keeping fingers crossed

I'd love to use an I2C translator
But it just doesn't fit with the IO levels and low-power

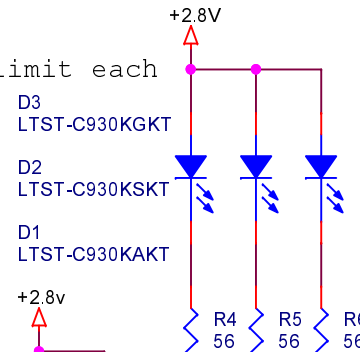
Power is OFF by default. Must enable via pins



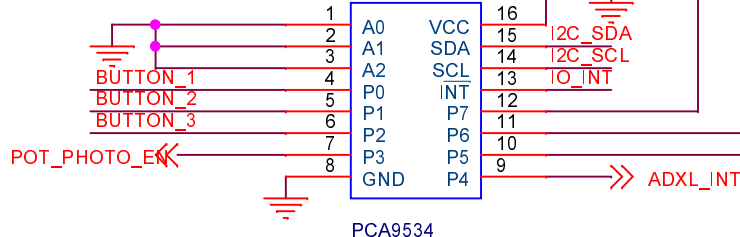
INT is open-drain
need to pull-up



2.8V input
2V Vf -- 20 mA limit each

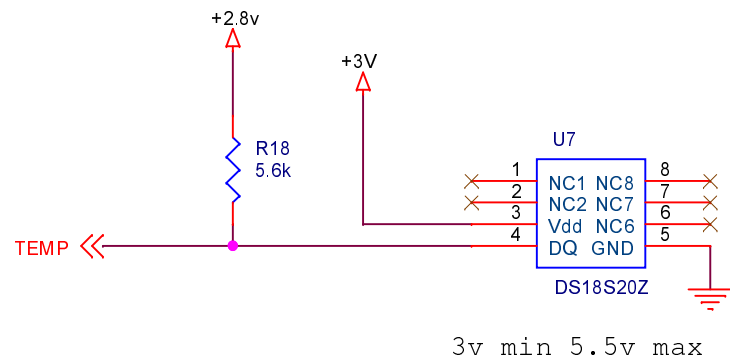
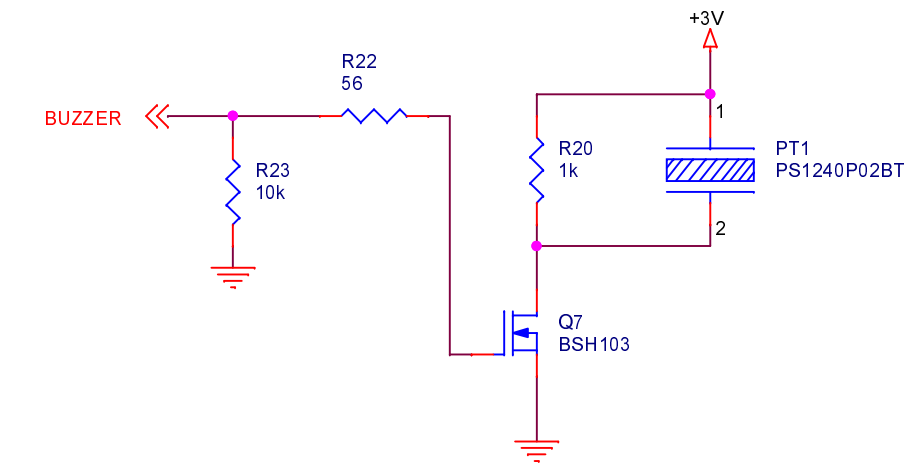
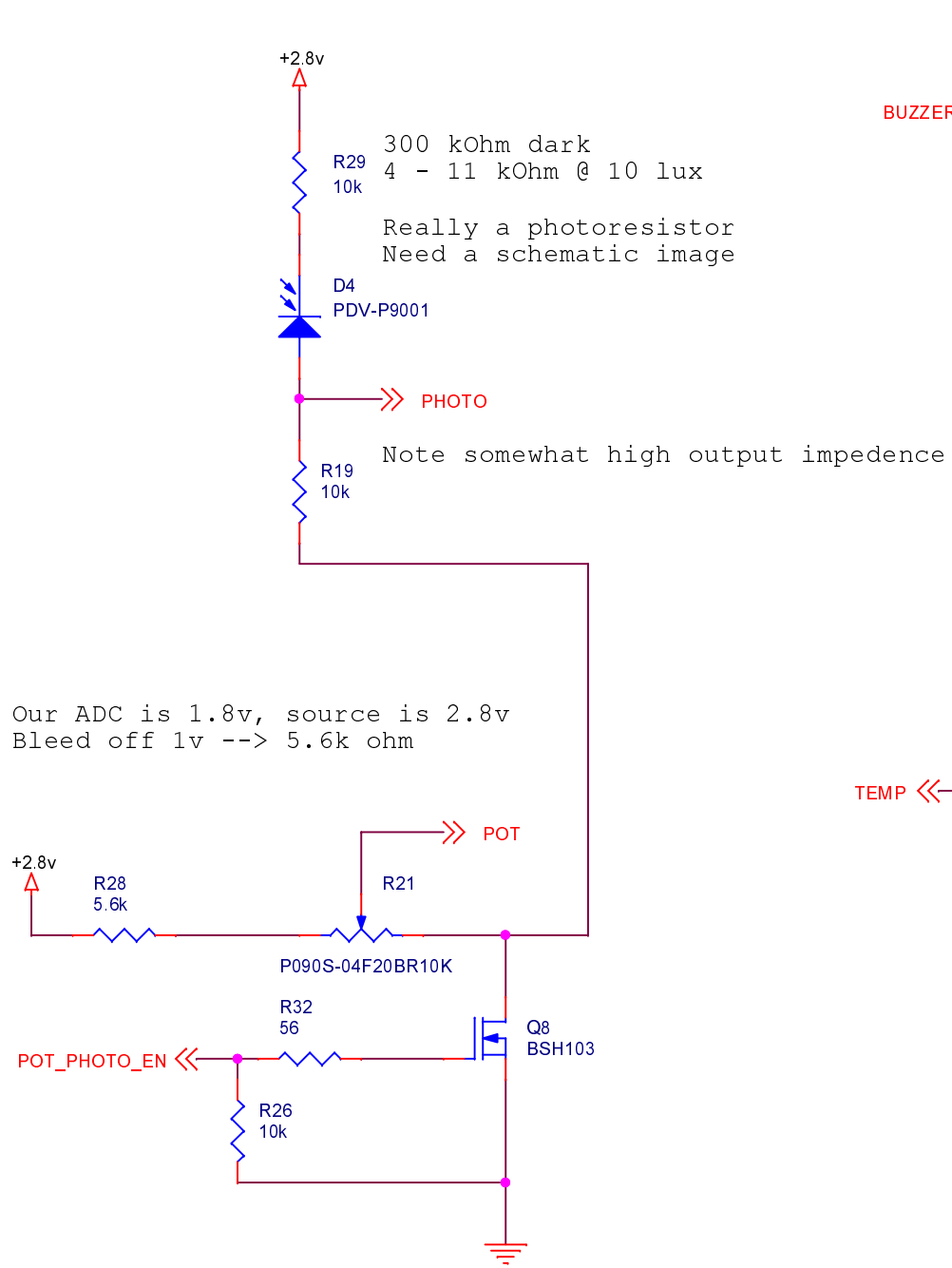


I/O Expander
I2C Addr 0x40
U8



SOIC-16 version

Title <Title>		
Size A	Document Number <Doc>	Rev <Rev Co>
Date:	Friday, October 25, 2013	Sheet 2 of 6



Title		
<Title>		
Size	Document Number	Rev
A	<Doc>	<Rev Co
Date:	Wednesday, October 16, 2013	Sheet 6 of 6