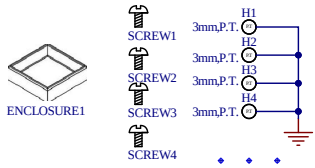
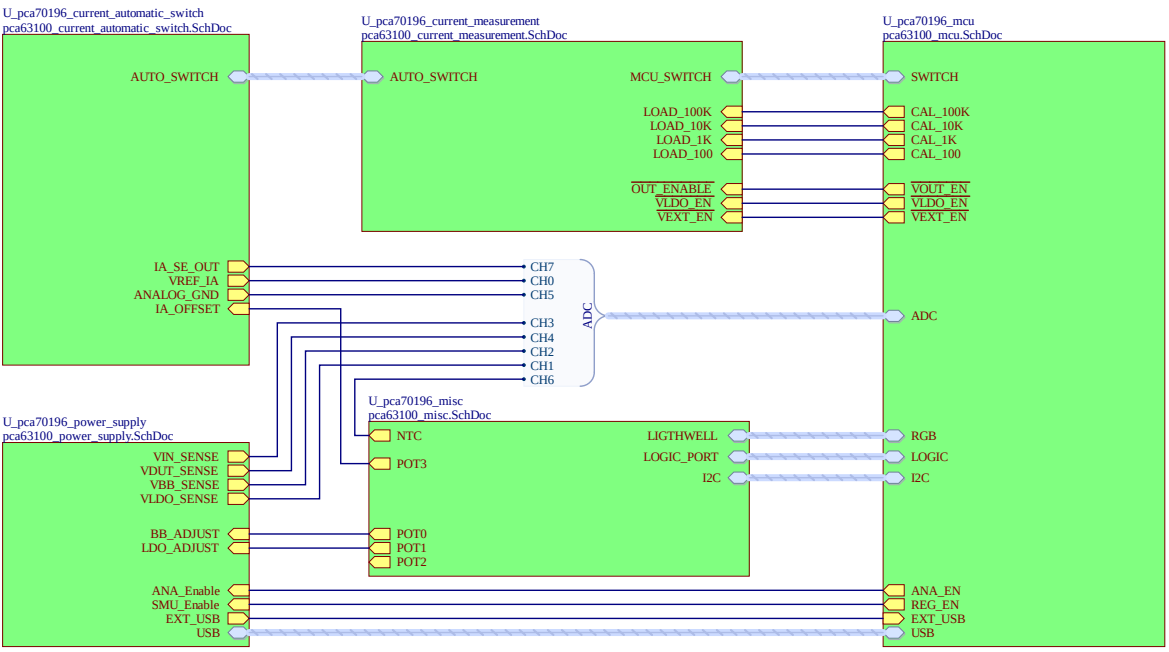
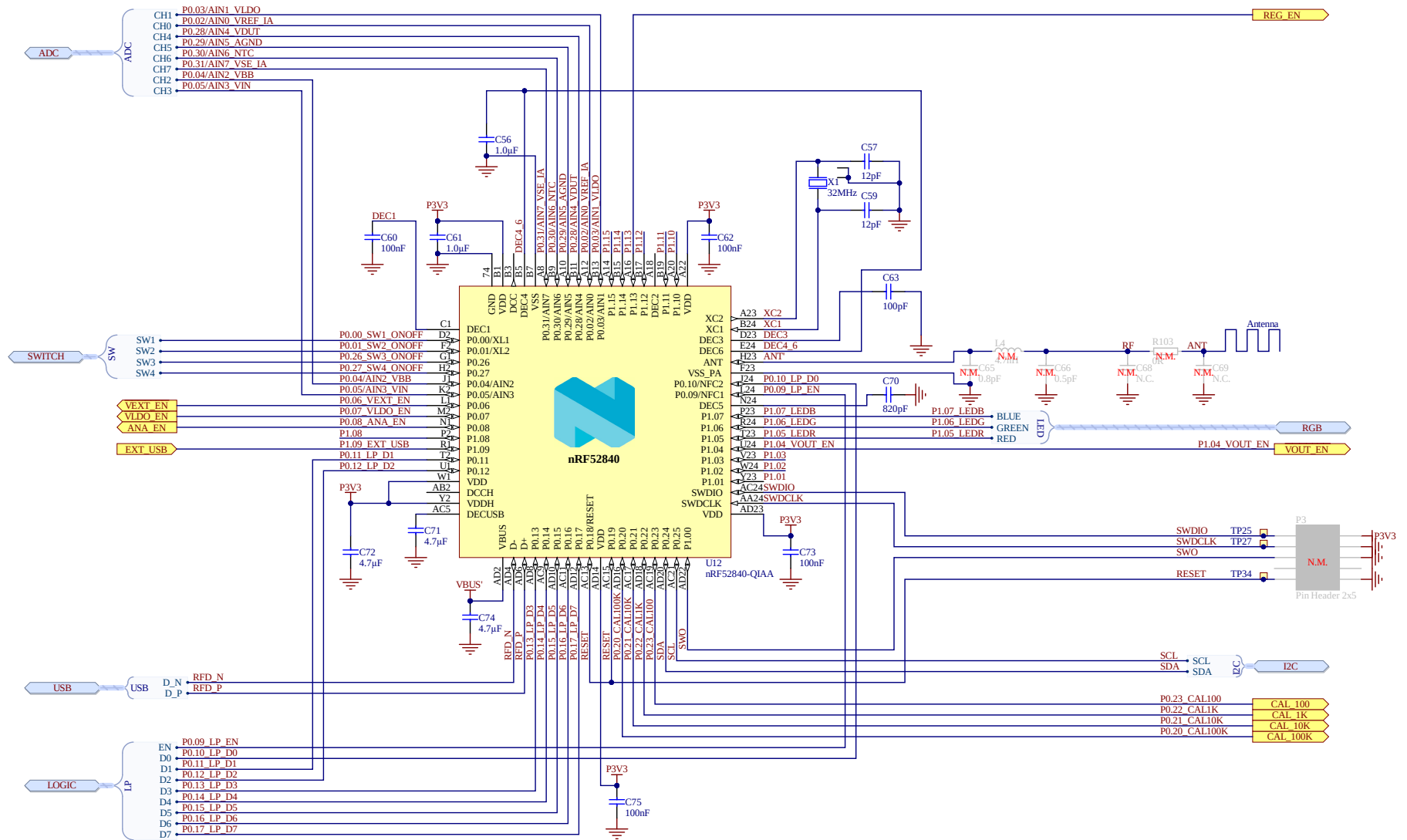


Power Profiler Kit II

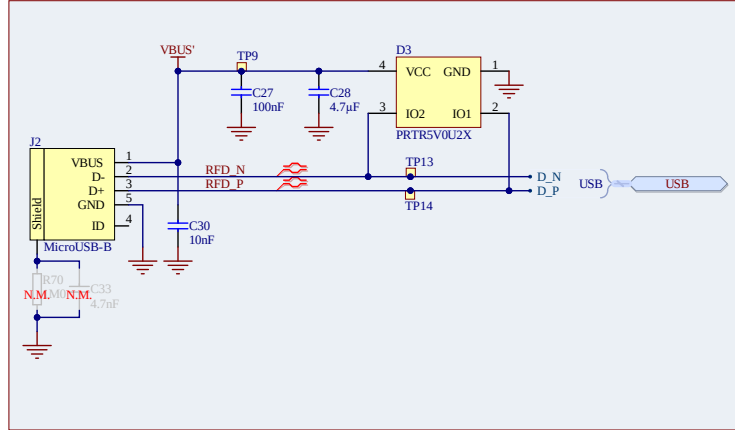




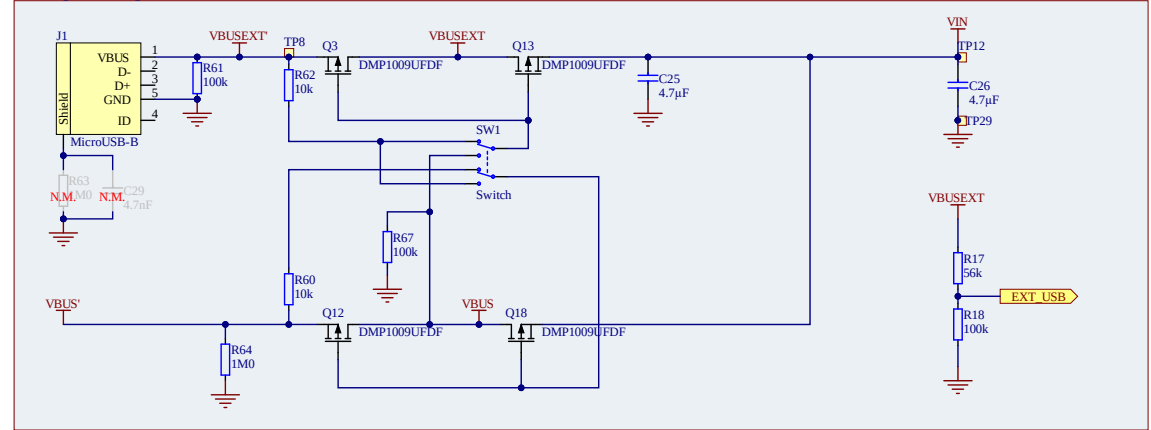
Power Profiler Kit II

Size A3	Project Number PCA63100	Revision 1.0.1	
Date: 02.11.2020		Sheet 2 of 6	
File: pca63100_mcu.SchDoc		Drawn By: HANY	

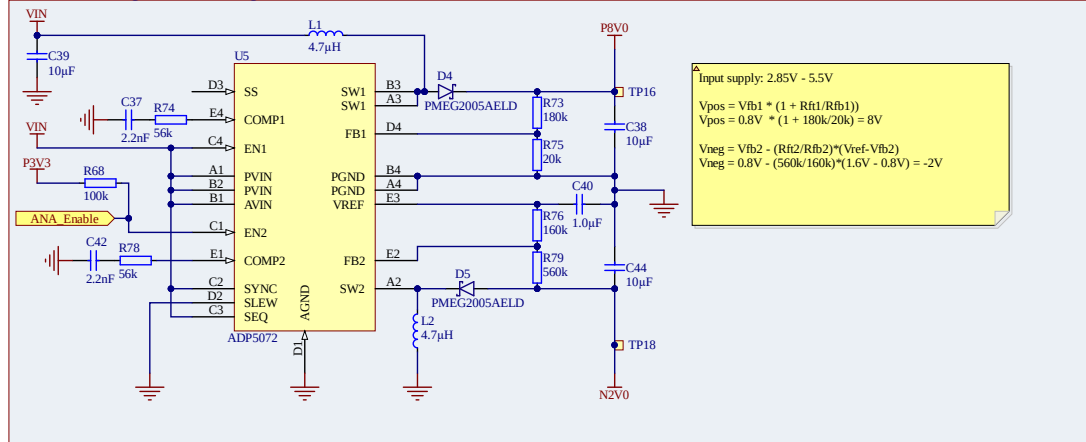
USB Communication Interface



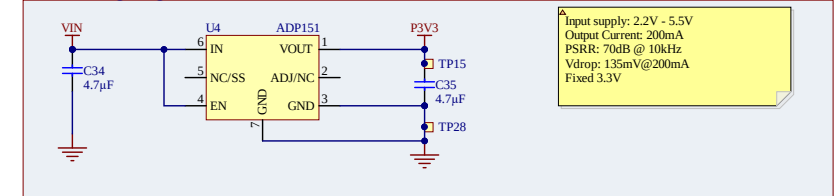
Extra power input



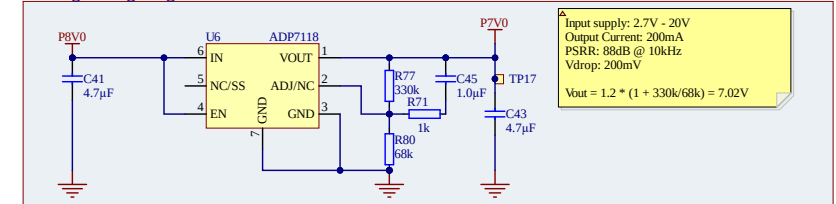
Positive and negative boost regulator



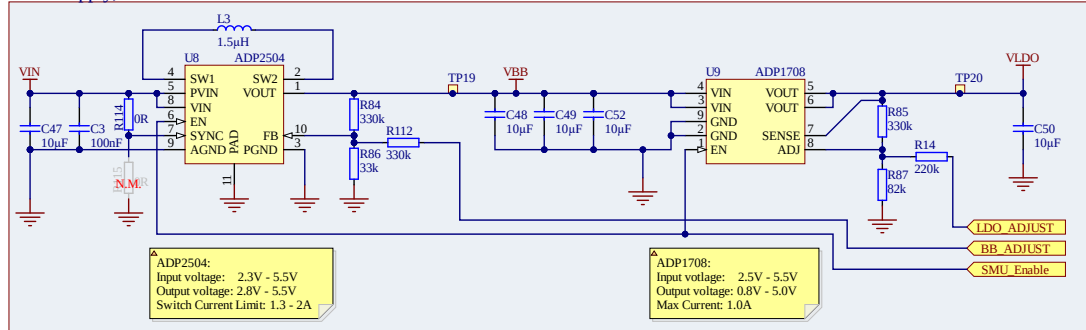
MCU Voltage regulator



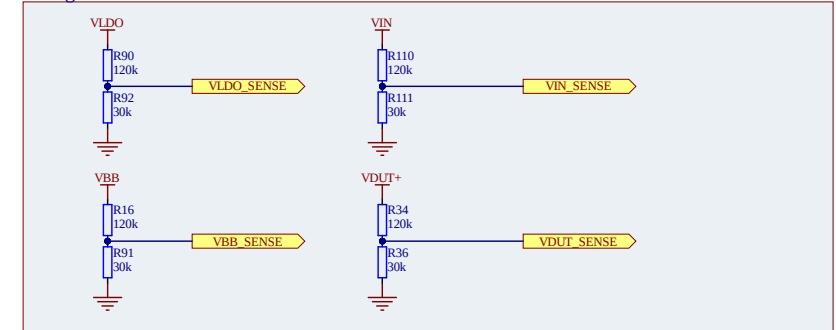
Analog voltage regulator



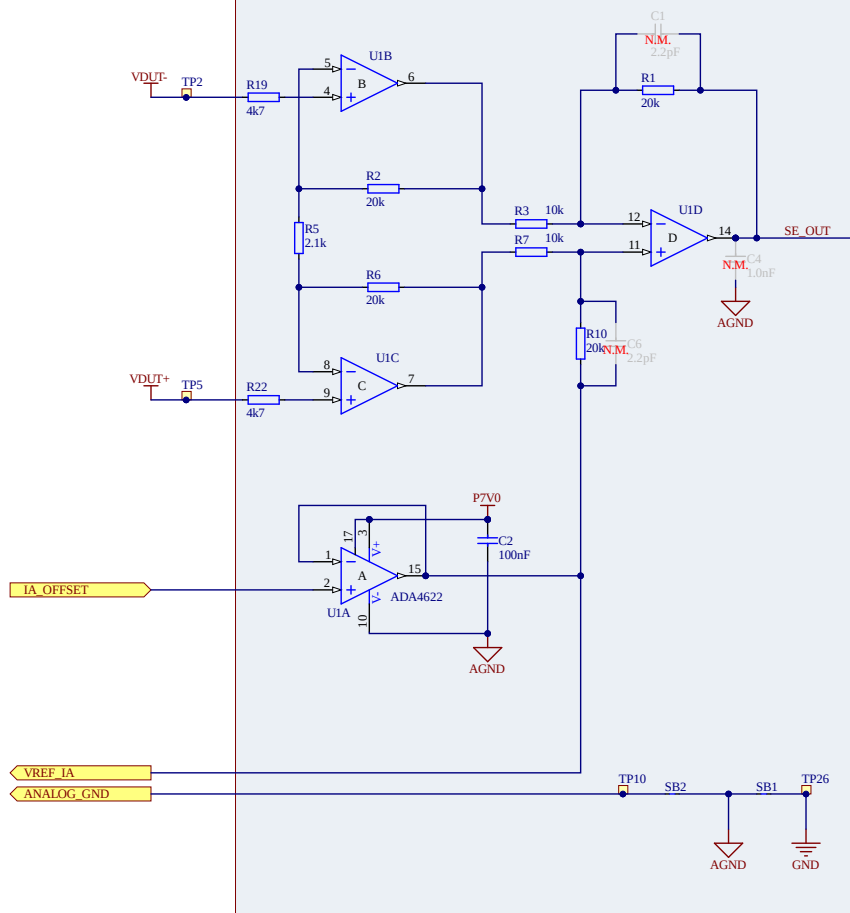
SMU Supply, Buck-Boost + LDO



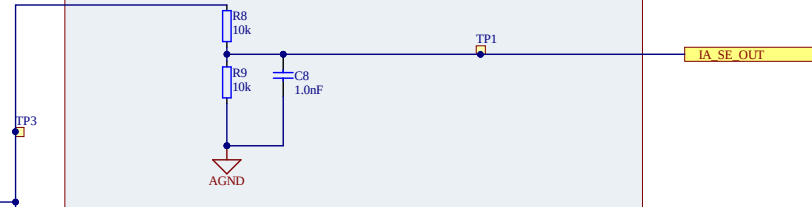
Voltage Measurements



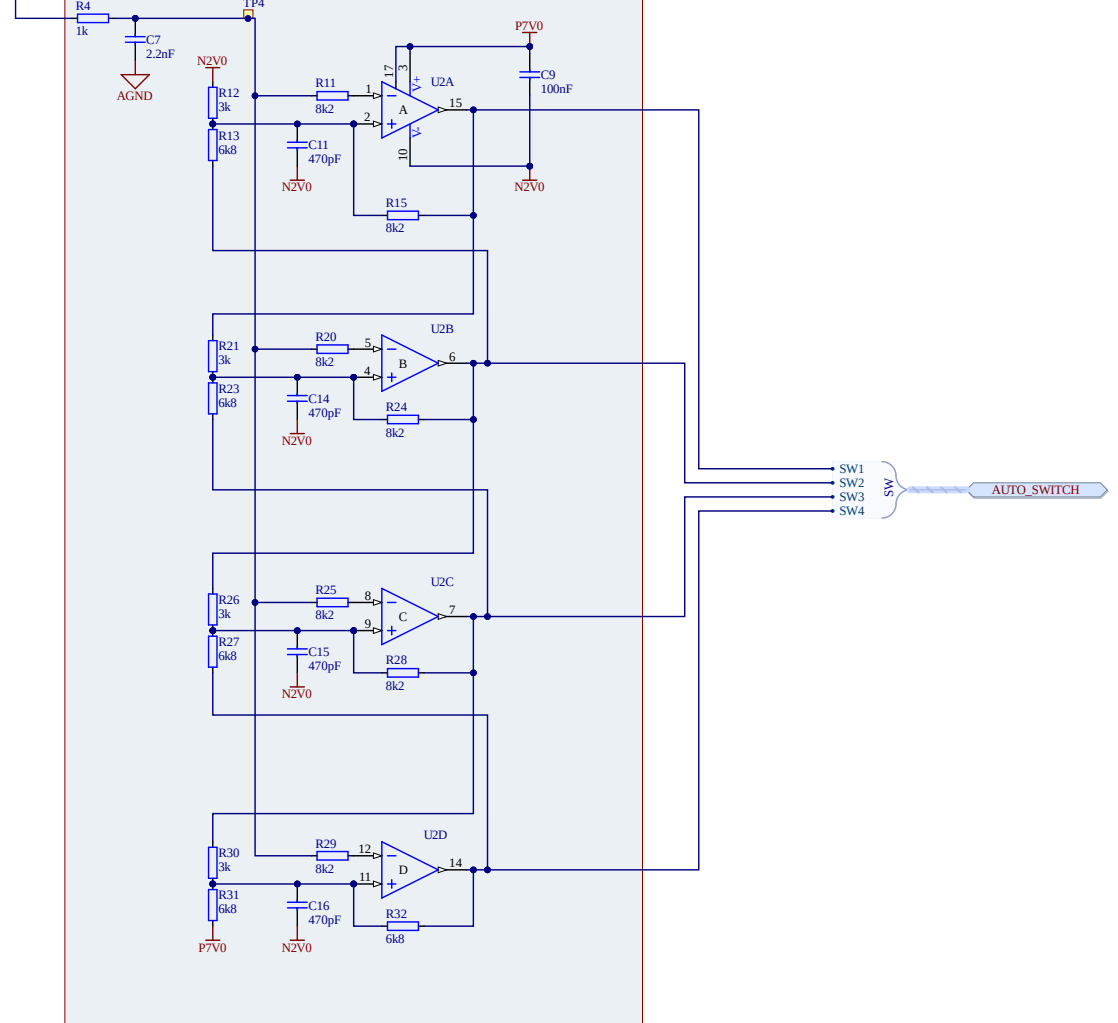
Instrumentation amplifier



Signal conditioning



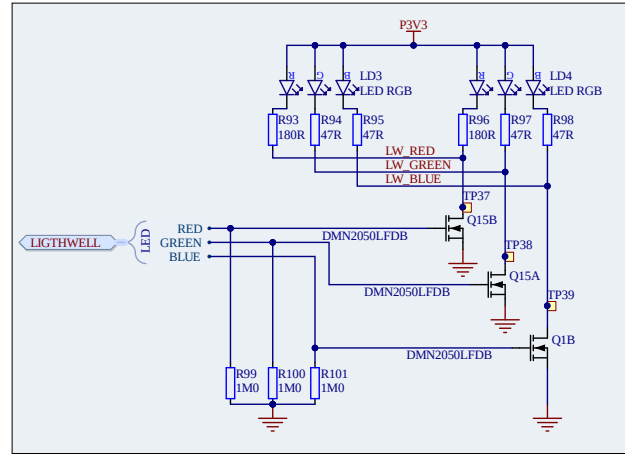
Automatic switching



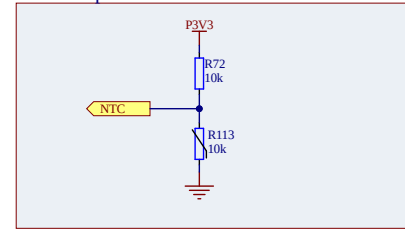
Power Profiler Kit II

Size A3	Project Number PCA63100	Revision 1.0.1	
Date: 23.11.2020	Sheet 5 of 6		
File: pca63100_current_automatic_switch.SchDoc	Drawn By: HANY		

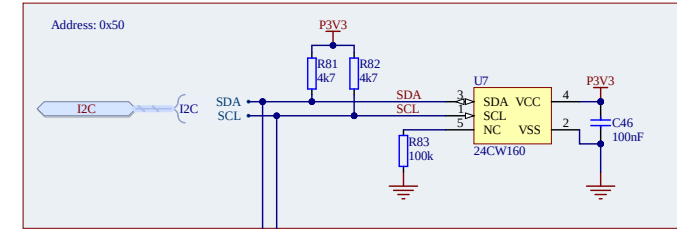
LEDs



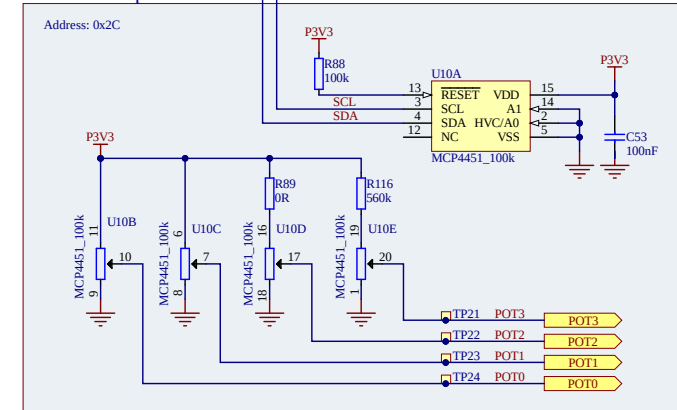
NTC Temperature Sensor



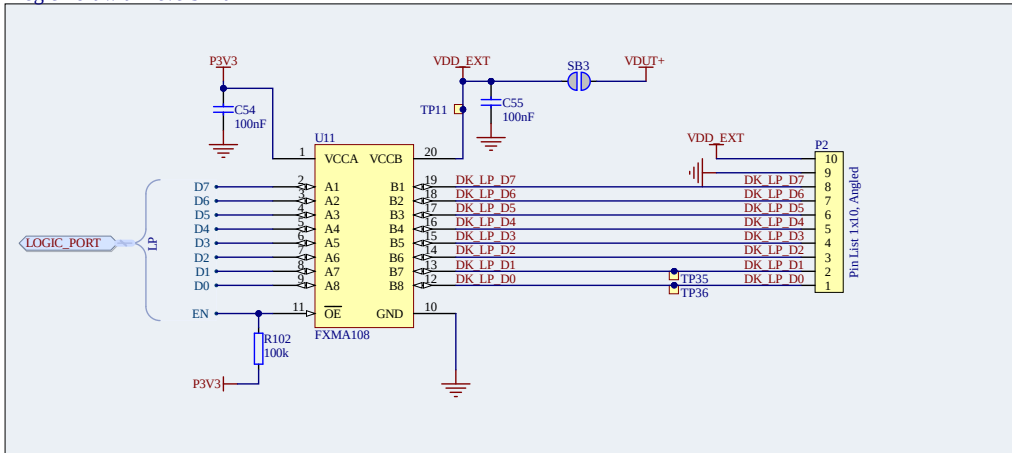
I2C Interface EEPROM



I2C Interface potmeter



Logic Port with LevelShift



Power Profiler Kit II

Size	Project Number	Revision	
A3	PCA63100	1.0.1	
Date: 02.11.2020		Sheet 6 of 6	
File: pca63100_misc.SchDoc		Drawn By: HANY	

