

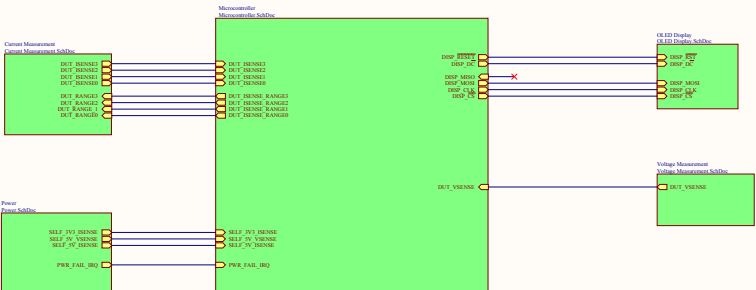
Current Measurement

Power

Voltage Measurement

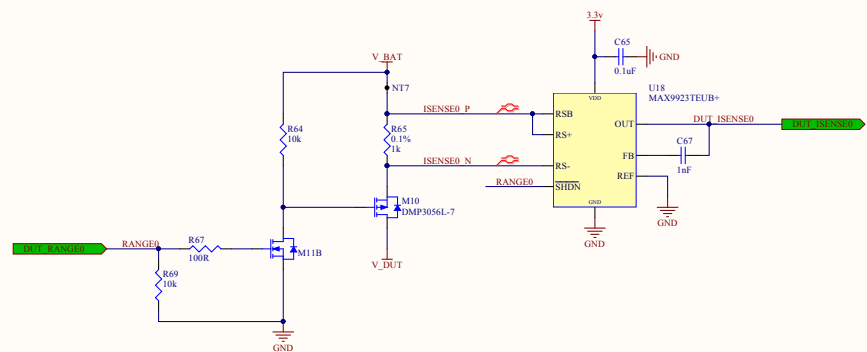
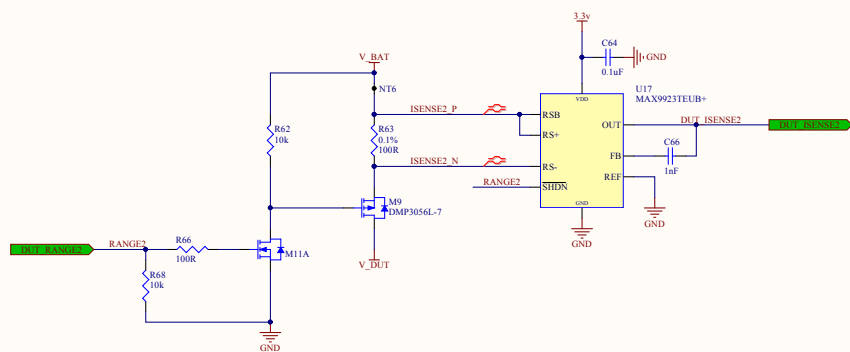
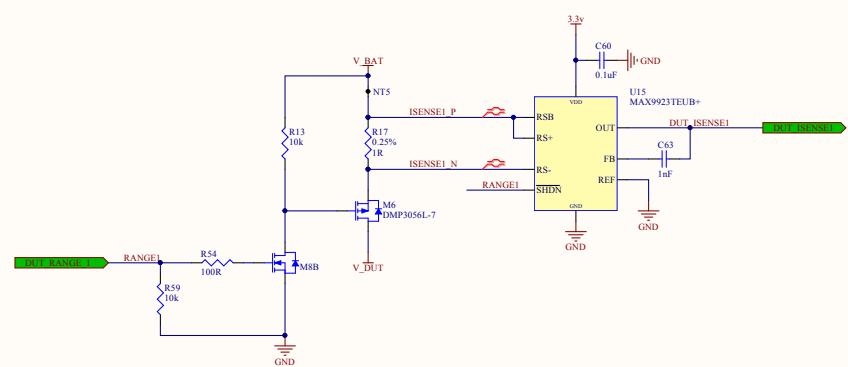
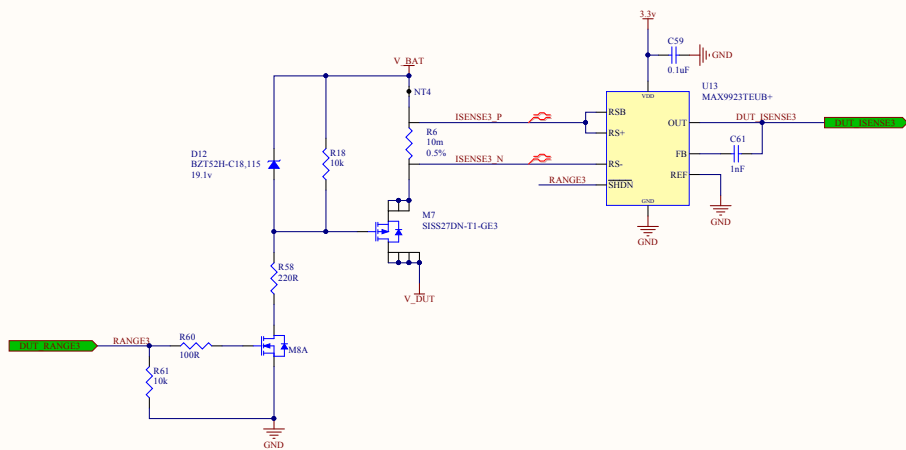
Connectives

OLED Display



Title		Revision	
Microcontroller SubSys		Rev. 1.0	
Rev.	Number	Author	
1.0	1.0	A.	
Date		Sheet 1 of 1	
File		Microcontroller SubSys - Rev. 1.0	

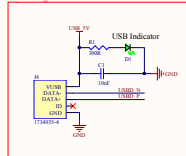
- Current Measurement
- Microcontroller
- Power
- Voltage Measurement
- Connectors
- OLED Display



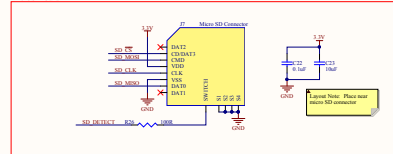
Title			
Current Measurement.SchDoc		Ross Harvey	
Size	Number	Revision	
C		A	
Date:	10/26/2015		Sheet 2 of 7
File:	C:\Users\Ross\Current Measurement.SchDoc		Drawn By: Ross Harvey

Current Measurement
Microcontroller
Power
Voltage Measurement
Connectors
OLED Display

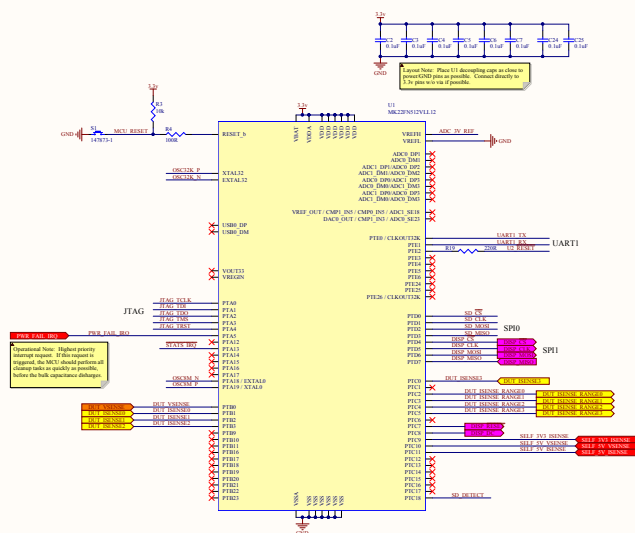
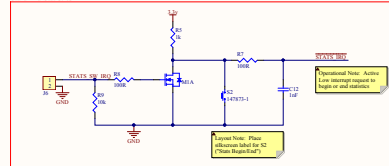
USB Debug



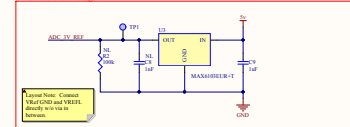
MicroSD Card



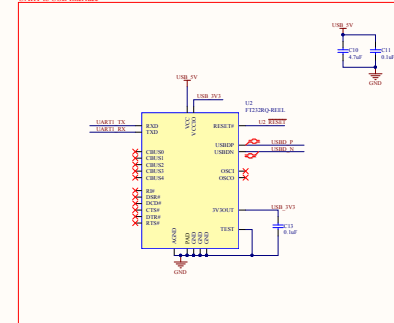
Start/End Statistics



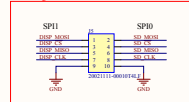
ADC Reference Voltage



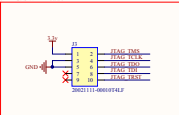
UART to USB Interface



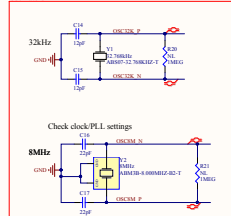
SPI Debug Headers



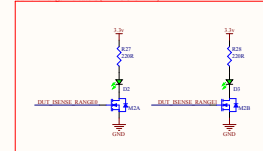
JTAG/SWD Header



Oscillators



Current Range Indicators (DEBUG ONLY).



Title		Microcontroller SchDoc		Ron Harvey	
Size	Number			Revision	
D				A	
Date:	10/26/2015			Sheet 2 of 7	
File:	C:\Users\Ron\Documents\Microcontroller SchDoc	Design By:		Ron Harvey	

Current Measurement

Microcontroller

Power

Voltage Measurement

Connectors

OLED Display

▲ Firmware Note: Compensate for the DUT_GND/GND offset.

▲ Operational Note: Pole at 602kHz.
0.216v < DUT_VSENSE_IN < 2.88v

▲ Operational Note: Pole at 48MHz.
I_sc = 15mA

Title		Voltage Measurement.SchDoc		Ross Harvey	
Size	Number			Revision	
B				A	
Date:	10/26/2015			Sheet 5 of 7	
File:	C:\Users\...Voltage Measurement.SchDoc			Drawn By: Ross Harvey	

Current Measurement

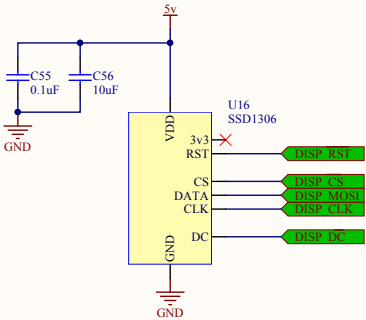
Microcontroller

Power

Voltage Measurement

Connectors

OLED Display



Title				OLED Display.SchDoc		*	
Size		Number		Revision			
B				*			
Date:		10/26/2015			Sheet 7 of 7		
File:		C:\Users\...OLED Display.SchDoc			Drawn By: *		

