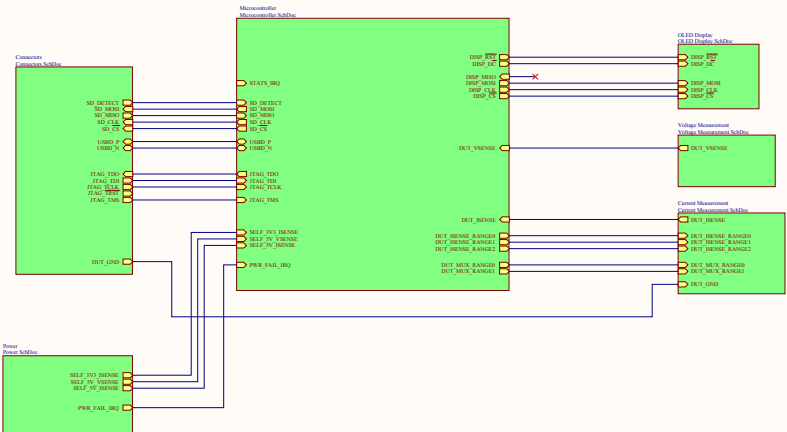


Current Measurement
Power
Voltage Measurement
Connectives
OLED Display



File	Microcontroller	Power Supply
Rev	1.0	1.0
By	John Doe	John Doe
Date	2023-10-27	2023-10-27
File	Microcontroller	Power Supply

Current Measurement

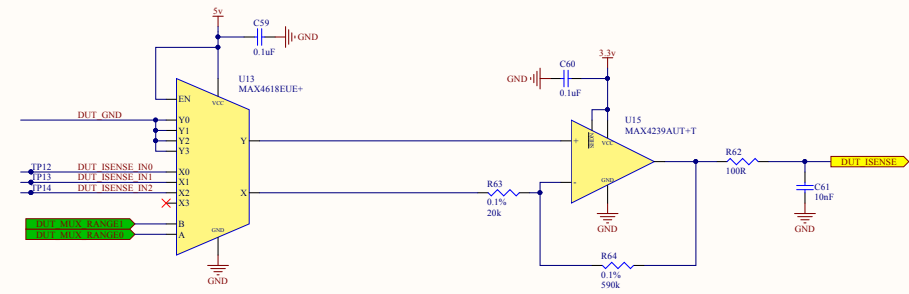
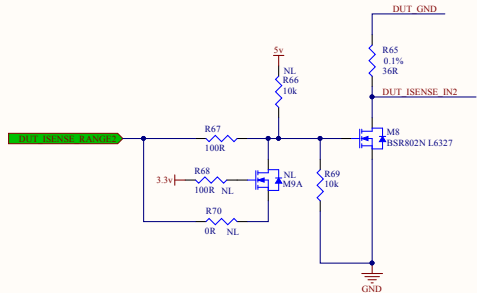
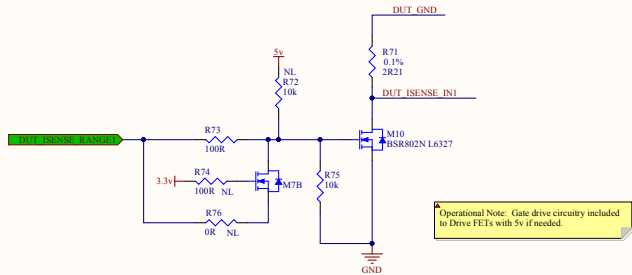
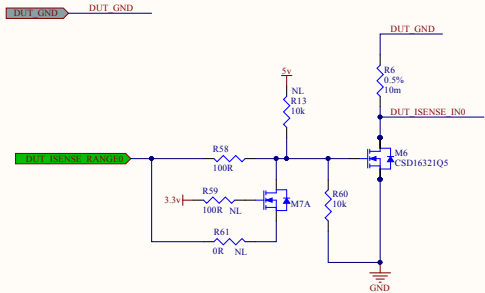
Microcontroller

Power

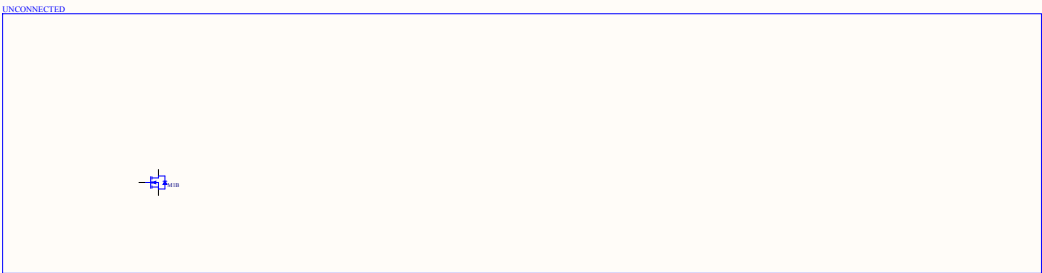
Voltage Measurement

Connectors

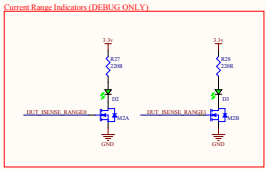
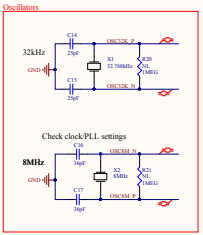
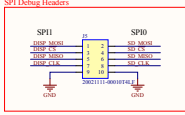
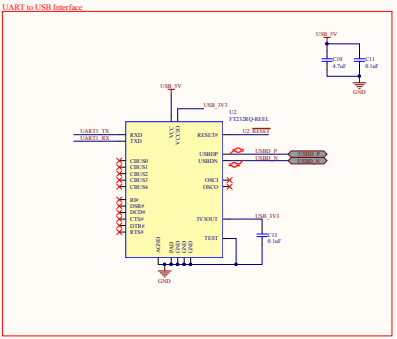
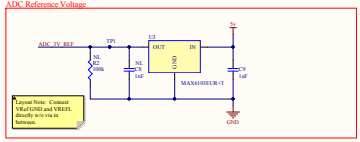
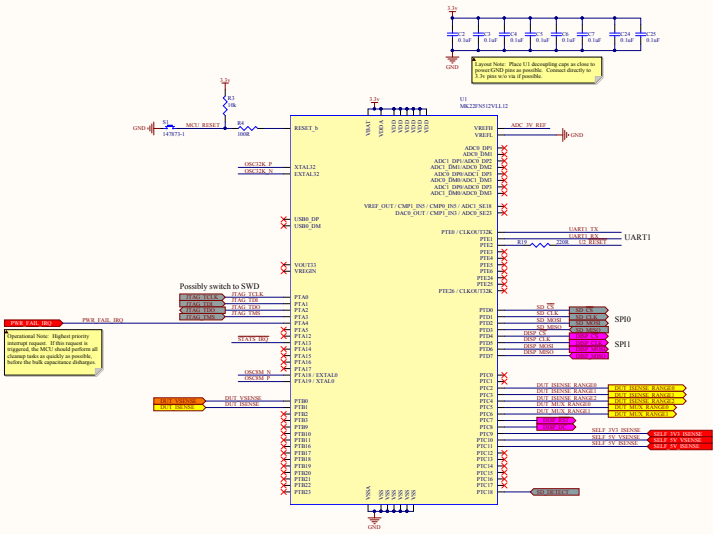
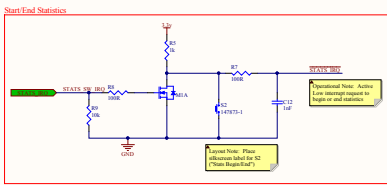
OLED Display



Title		Current Measurement.SchDoc		Ryan Thompson	
Size	Number	Revision			
C		A			
Date:	10/20/2015	Sheet 2 of 7			
File:	C:\Users\Ryan\Current Measurement.SchDoc	Drawn By: Ryan Harvey			



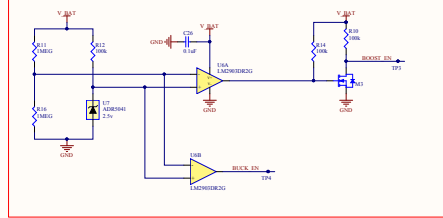
- Current Measurement
- Voltage Measurement
- Power
- Voltage Measurement
- Connectives
- OLED Display



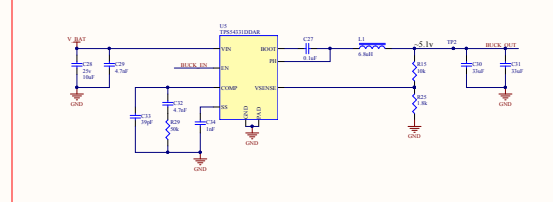
Microcontroller Schematic		Rev	Rev
Rev	Number	Rev	Number
Rev	Number	Rev	Number
Rev	Number	Rev	Number

Current Measurement
Voltage Measurement
Power
Voltage Measurement
Connectives
OLED Display

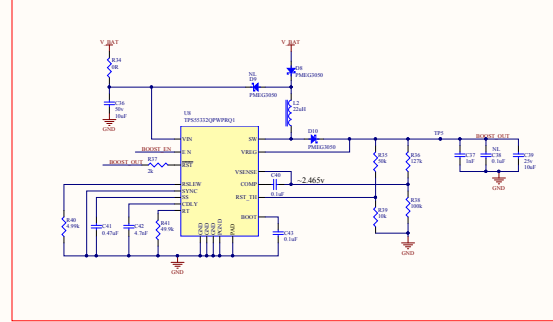
Converter Selection Controls



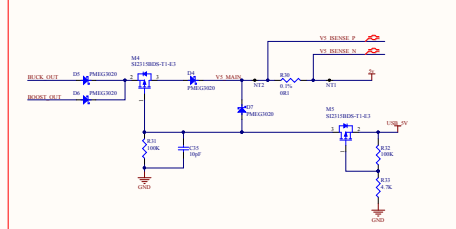
Back Converter



Boost Converter

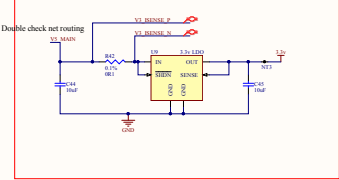


USB Auto Switchover

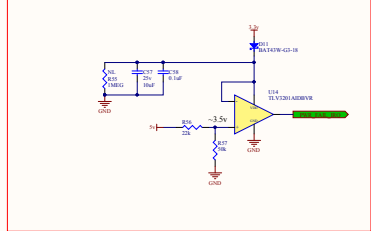


Note: Boost, Out and Back, Out are the TV outputs from the switching converter. The USB auto switchover circuit switches the TV out from the switching converter output to the TV USB out-out (low current only).

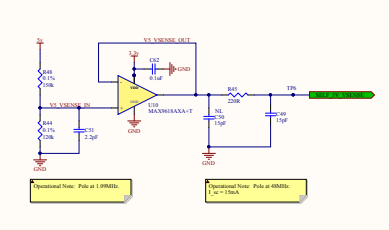
3.3V LDO



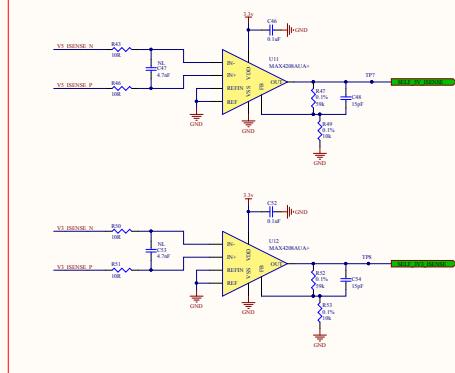
Power Failure Indicator



5v Rail Measurement

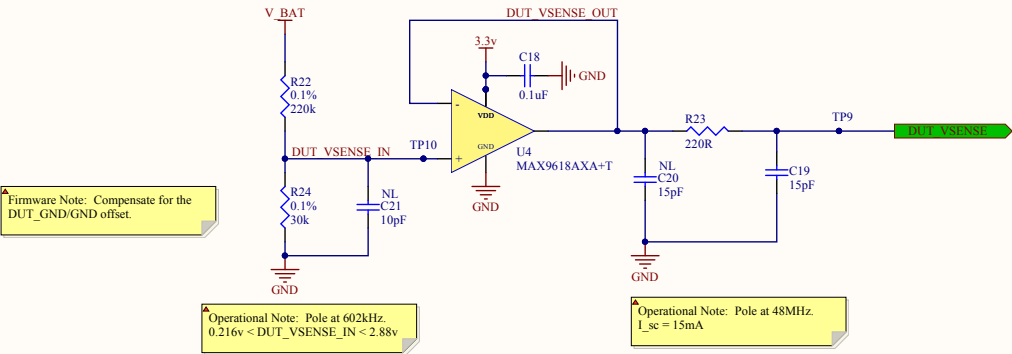


5vme Measurement



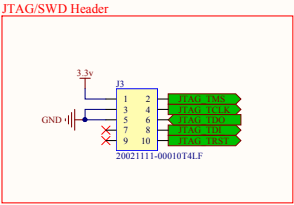
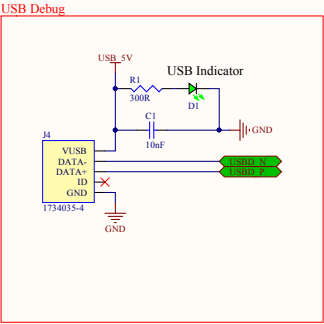
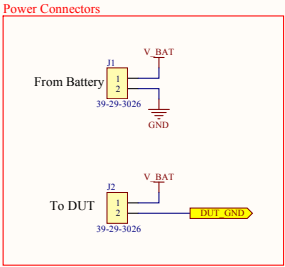
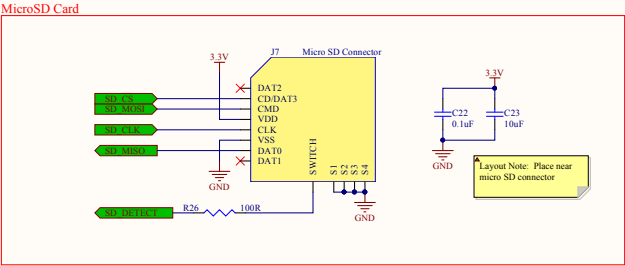
Power SubDoc	JE-AB-001
Rev	Number
Rev	Number
Rev	Number
Rev	Number

Current Measurement
Microcontroller
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Connectors
OLED Display



Title		Voltage Measurement.SchDoc		Ross Harvey	
Size	Number			Revision	
B				A	
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File:	C:\Users\...Voltage Measurement.SchDoc			Drawn By: Ross Harvey	

- Current Measurement
- Microcontroller
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- Connectors
- OLED Display



Mech1
Standoff M2.5x12.5mm

Mech2
Standoff M2.5x12.5mm

Mech3
Standoff M2.5x12.5mm

Title		Connectors.SchDoc		Ross Harvey	
Size	C	Number			Revision
					A
Date:	10/20/2015			Sheet 6 of 7	
File:	C:\Users\Ross\Documents\Connectors.SchDoc			Drawn By: Ross Harvey	

Current Measurement

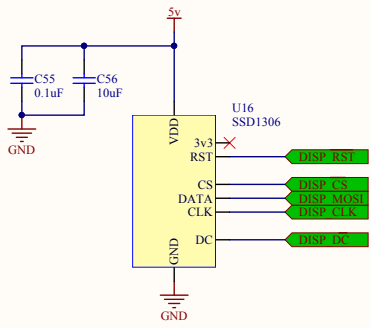
Microcontroller

Power

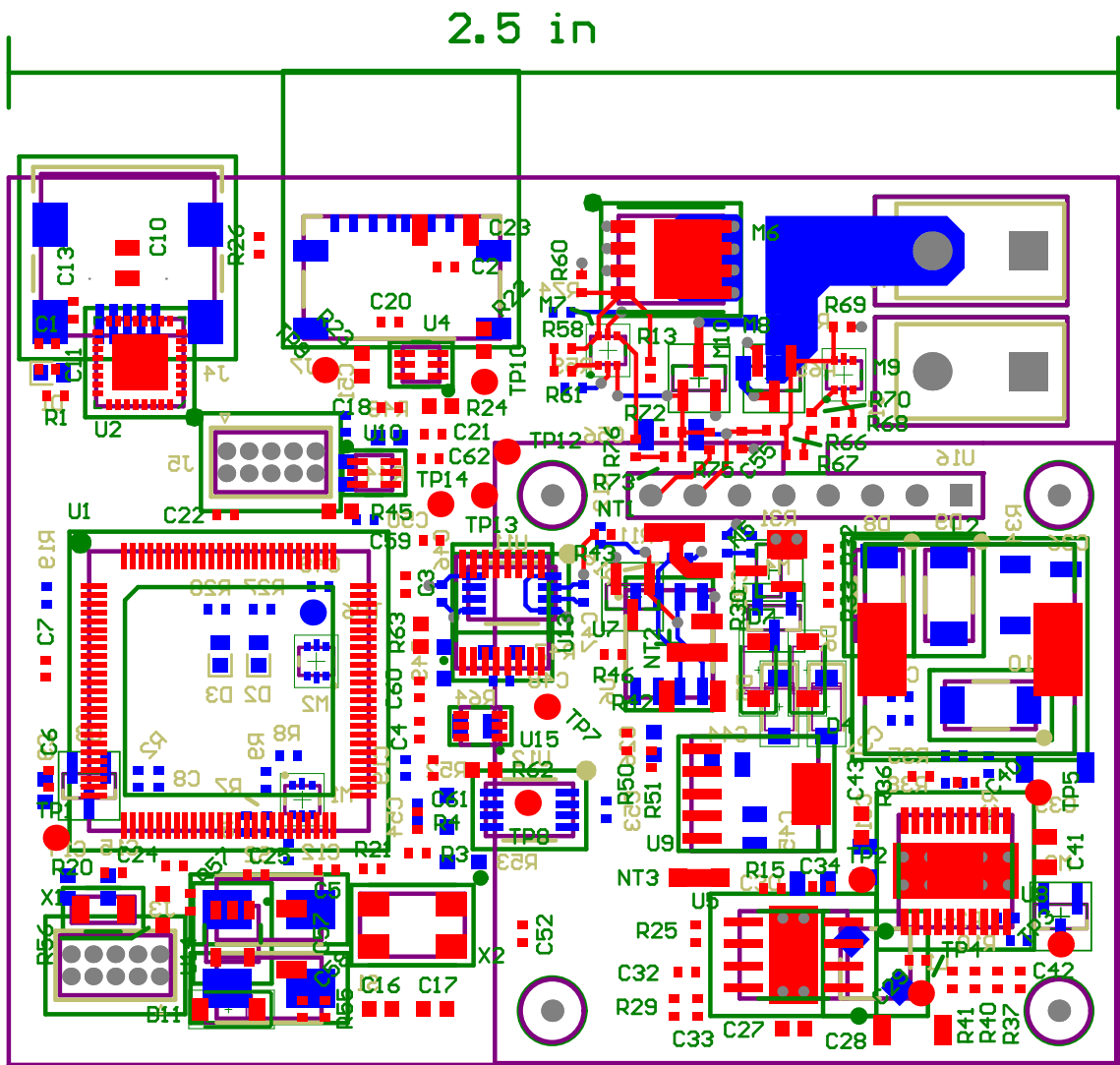
Voltage Measurement

Connectors

OLED Display



Title		OLED Display.SchDoc		*	
Size	B	Number		Revision	
Date:		10/20/2015		Sheet 7 of 7	
File:		C:\Users\...\OLED Display.SchDoc		Drawn By: *	



2 in

