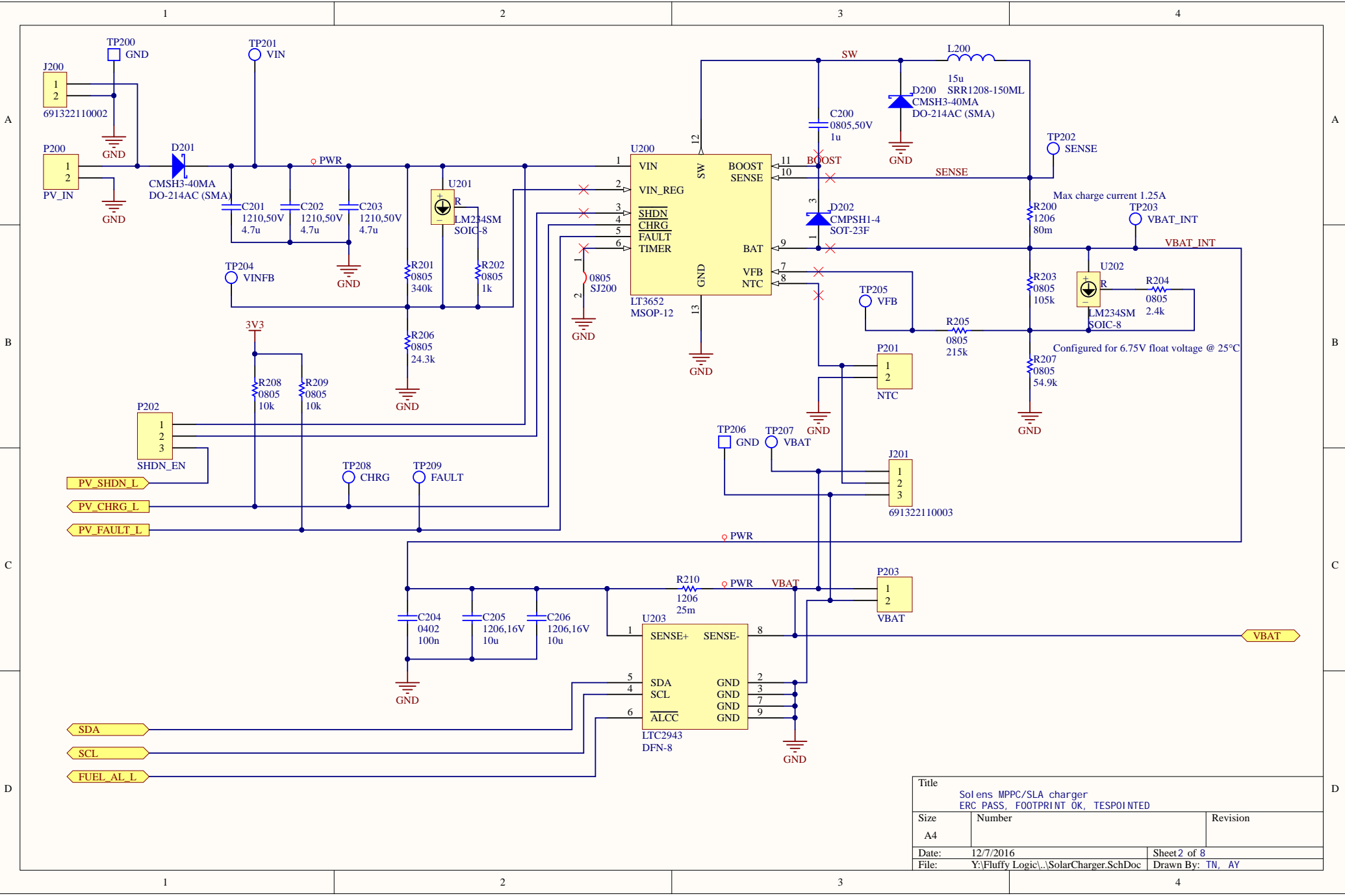
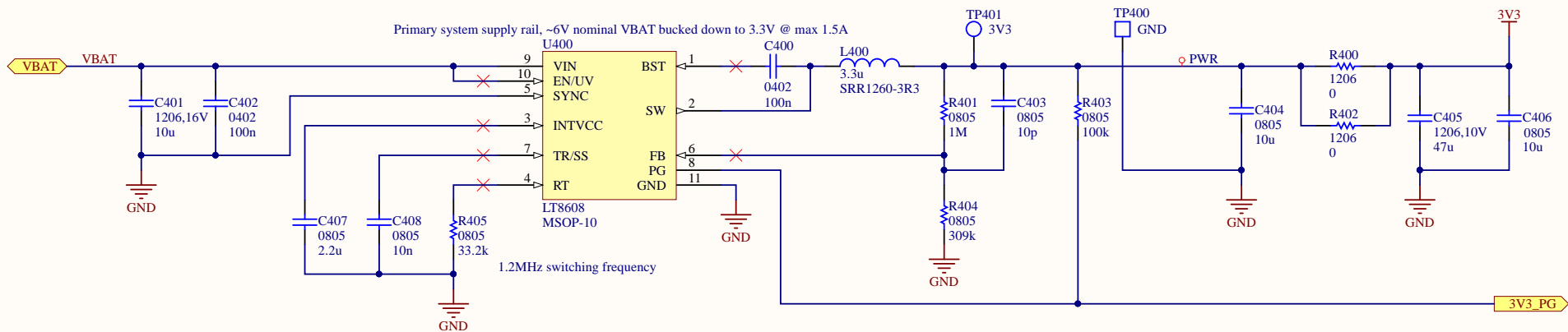
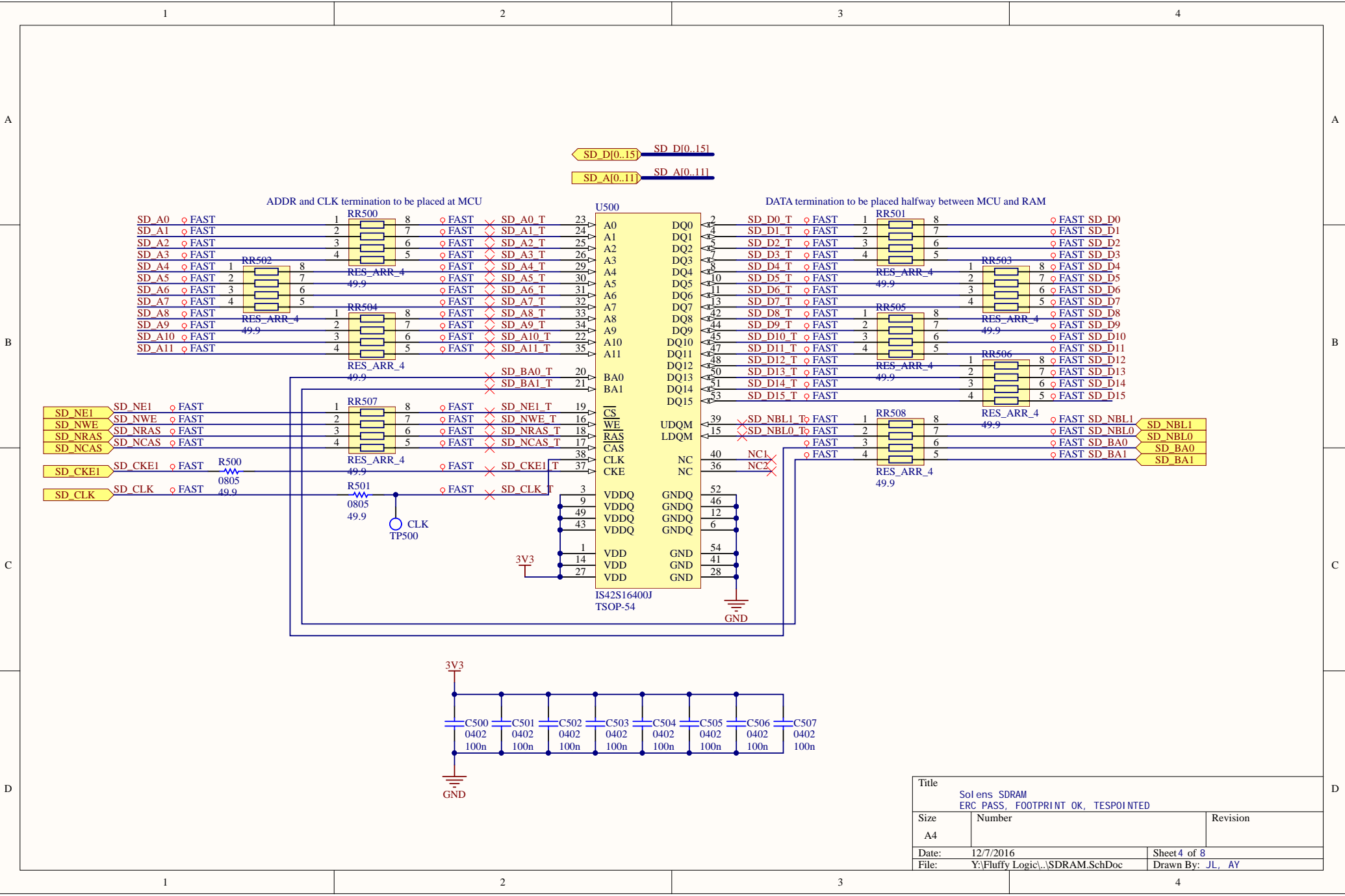


Title		
Solens Camera Subsystem		
ERC WARN, FOOTPRINT N/A		
Size	Number	Revision
A4		
Date:	12/7/2016	Sheet 1 of 8
File:	Y:\Fluffy Logic\...\Solens.SchDoc	Drawn By: JL, AY

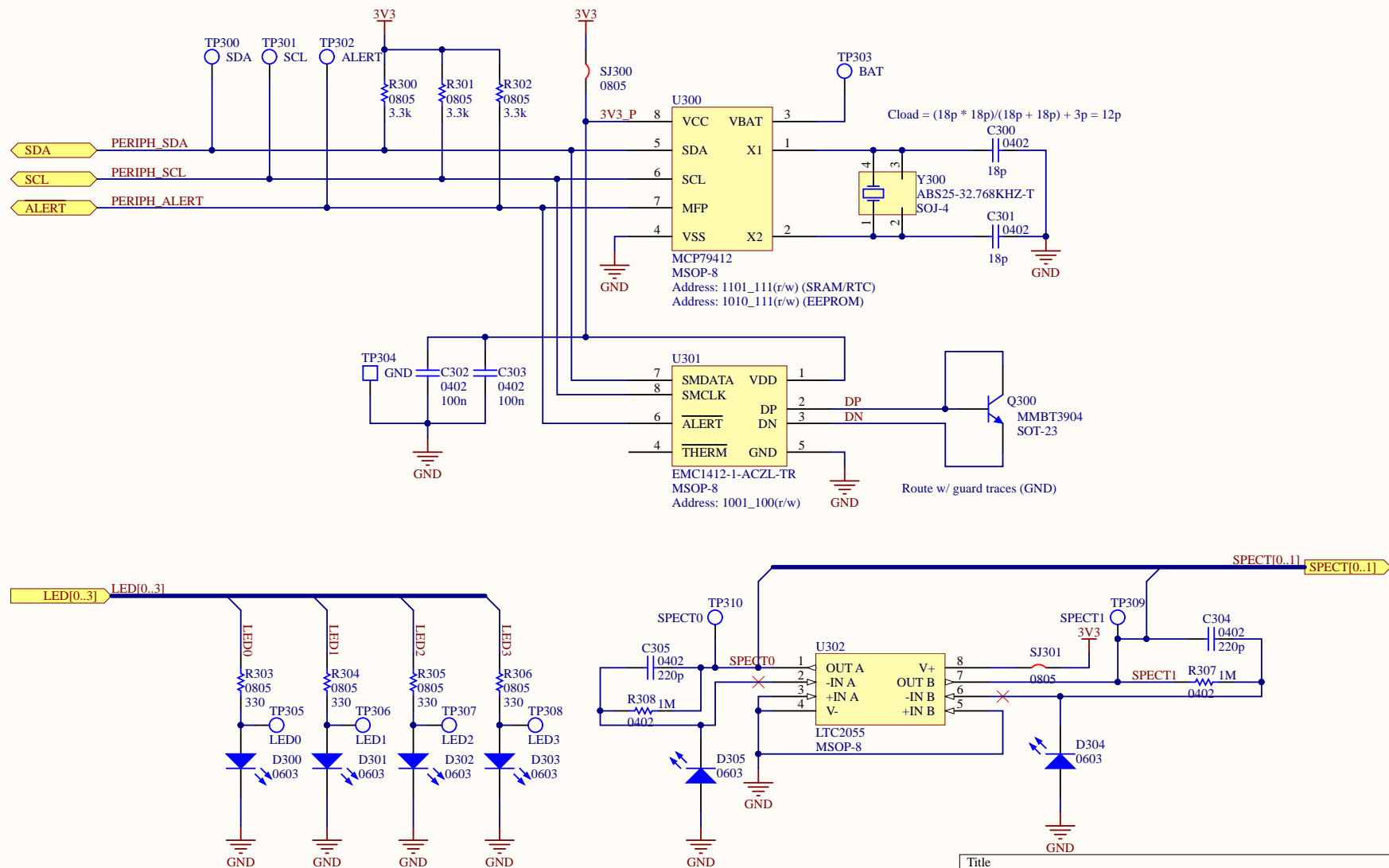




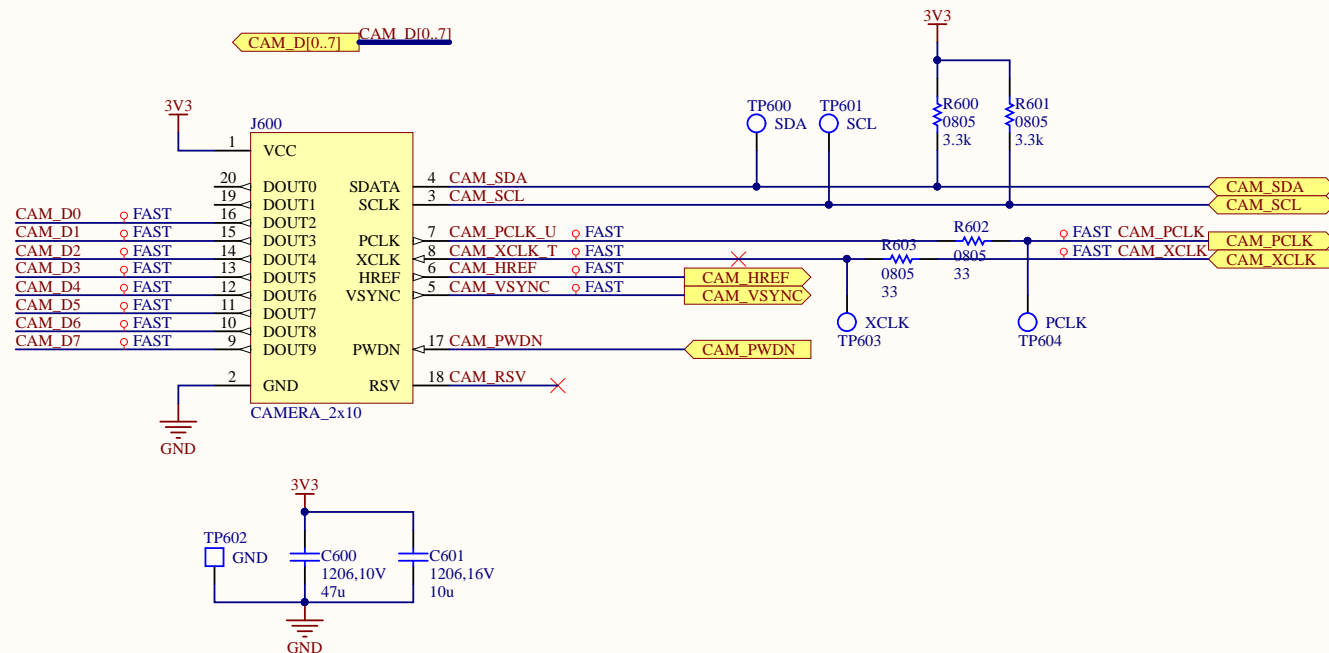
Title		
Sol ens Vol tage Regu lators ERC PASS, FOOTPRINT OK, TESPOINTED		
Size	Number	Revision
A4		
Date:	12/7/2016	Sheet 3 of 8
File:	Y:\Fluffy Logic\...\Regulators.SchDoc	Drawn By: TN, AY



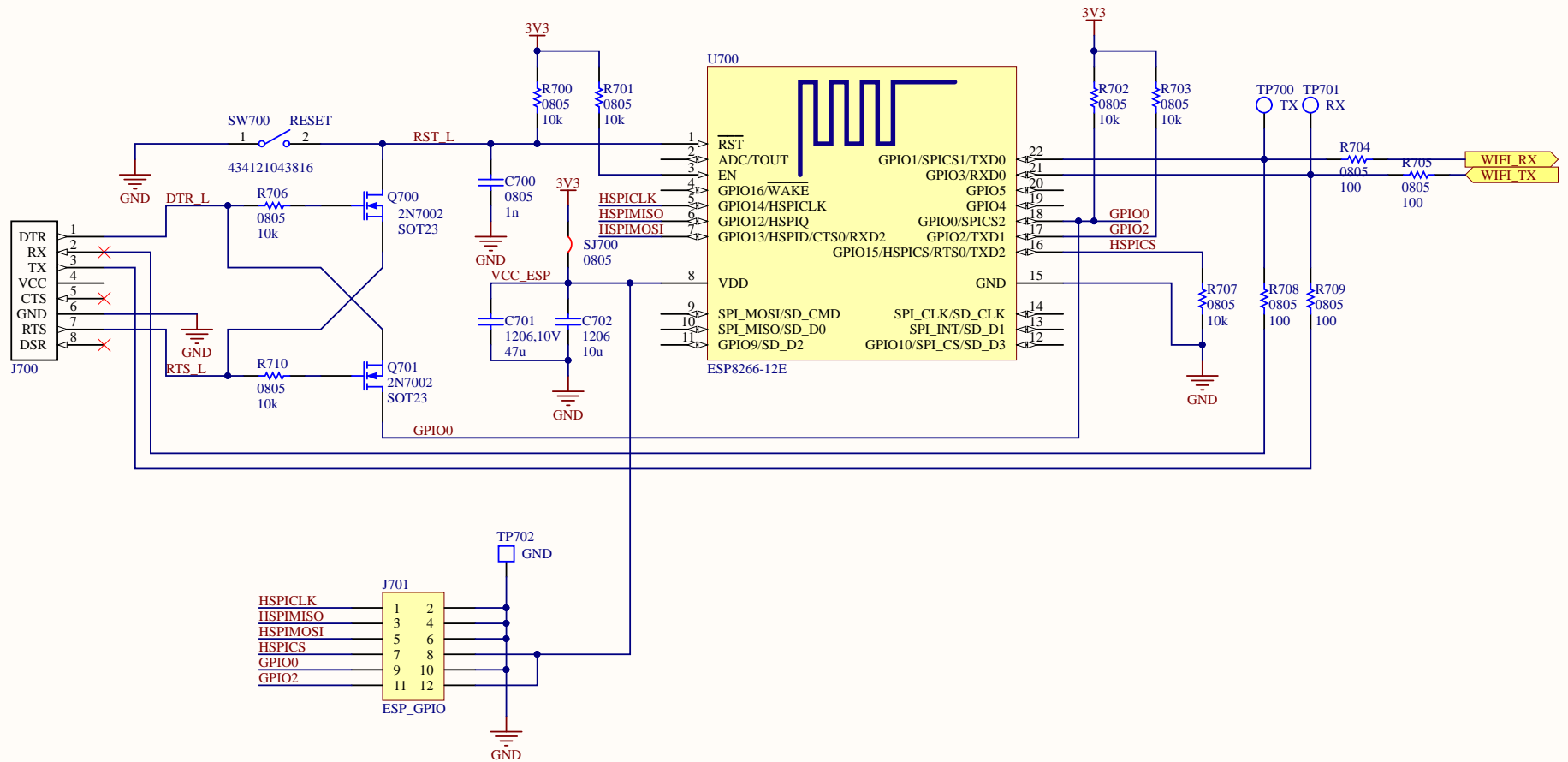




Title		
Solens Peripherals		
ERC PASS, FOOTPRINT OK, TESPOINTED		
Size	Number	Revision
A4		
Date:	12/7/2016	Sheet 6 of 8
File:	Y:\Fluffy Logic\...\Peripherals.SchDoc	Drawn By: AY



Title		
Solens Camera Subsystem ERC PASS, FOOTPRINT OK, TESTPOINTED		
Size	Number	Revision
A4		
Date:	12/7/2016	Sheet 7 of 8
File:	Y:\Fluffy Logic\...\Camera.SchDoc	Drawn By: JL, AY



Title		
Solens Wi Fi Subsystem		
ERC PASS, FOOTPRINT OK, TESTPOINTED		
Size	Number	Revision
A4		
Date:	12/7/2016	Sheet 8 of 8
File:	Y:\Fluffy Logic\...\WiFi.SchDoc	Drawn By: JL, AY



# Component list

Bill of Materials For Project [Solens.PrjPCB] (No PCB Document Selected)

Source Data From:

Project:

Variant:

Solens.PrjPCB

Solens.PrjPCB

None



Report Date: 12/7/2016 6:31:54 PM  
Print Date: 07-Dec-16 6:32:01 PM

#	LibRef	#Column Name Error:Manufacturer	m n Name Error:Manufacturer	olumn Name Error:PartTy	Description	Footprint	Column Name Error:Package Reference	Quantity
1	Cap				Capacitor	CAP_0402		39
2	Cap, Cap, Cap, Cap, Cap, Cap, Cap, Cap, Res1				Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Capacitor, Resistor	CAP_0805		10
3	Cap				Capacitor	CAP_0805		1
4	Cap				Capacitor	CAP_1210		3
5	Cap				Capacitor	CAP_1206		4
6	Cap				Capacitor	CAP_1206		3
7	Cap				Capacitor	CAP_1206		1
8	D Schottky				Schottky Diode	SODFL519X262-2N (CMSH3-40MA)		2
9	D Schottky, MOSFET-N, MOSFET-N				Schottky Diode, N-Channel MOSFET, N-Channel MOSFET	SOT95P240X100-3N (CMPSH1-4 TR)		3
10	LED0				Typical INFRARED GaAs LED	LED_0603		6
11	HDR_FTDI				Sparkfun FTDI pinout connector	HDR_100TH_1x6		2
12	Header 8X2				Header, 8-Pin, Dual row	HDR_100TH_2X8_SMT		1
13	HDR_SWD_2x6				6 pin SWD connector with +6 GND pins	HDR_100TH_2X6_SMT		1
14	691322110002				WR-TBL Terminal block - serie 3221 - 3.50 mm	691322110002		1
15	691322110003				WR-TBL Terminal block - serie 3221 - 3.50 mm	691322110003		1
16	CAMERA_2x10				20-pin parallel camera connector for OV5642	HDR_100TH_2x10		1
17	HDR_FTDI_EXTENDED					HDR1X8		1
18	Header 6X2				Header, 6-Pin, Dual row	HDR_100TH_2X6_SMT		1
19	Inductor				Inductor	srr1208		1
20	Inductor				Inductor	SRR1260		1
21	MTGH				Mounting hole	MTGH-M3x0.5		4
22	Header 2				Header, 2-Pin	HDR1X2		1
23	Header 2				Header, 2-Pin	HDR1X2		1
24	Header 3				Header, 3-Pin	HDR1X3		1
25	Header 2				Header, 2-Pin	HDR1X2		1
26	2N3904				NPN General Purpose Amplifier	SOT90P240X110-3N		1
27	Res1				Resistor	RES_0805		50
28	Res1				Resistor	RES_1206		4
29	Res1				Resistor	RES_0402		2
30	RES_ARR_4				4 element resistor array	CAC-80P319X150-8M		9
31	SJ				Solder jumper	SJ_0805		13
32	WS-TASV, 434121043816				WS-TASV 6.0x3.5 mm SMD	4341x10438x6		1
33	WS-TASV, 434121043816				WS-TASV 6.0x3.5 mm SMD	4341x10438x6		2
34	TP_SMALL					TP_SMALL		31
35	TP_LARGE					TP_LARGE		10
36	STM32F429				Cortex-M4 microcontroller	TSQFP50P2200X2200X160-144M		1
37	LT3652				MPPC and battery charger	TSOP65P490X110_HS-13N		1
38	LM234				Adjustable current source	SOIC127P600X175-8N (LM234)		2
39	LTC2943A				Multi-cell I2C fuel gauge	DFN8-3x3		1
40	MCP7941x, EMC1412, LTC2054/LTC2055				I2C RTC w/ SRAM and EEPROM, Dual channel I2C temperature sensor, Dual zero-drift op amp	TSOP65P490X110-8N		3
41	LT8608				42V 1.5A step-down n, low lq	TSSOP50P490X110_HS-11N		1
42	IS42S16400J				1Mb x 16 x 4 bank (64 Mbit) SDRAM	TSOP80P1170X120-54N		1
43	ESP8266 ESP-12-E				ESP8266 ESP-12-E	ESP8266 ESP-12-E		1
44	XTAL				Crystal Oscillator	HC-49S		1
45	XTAL-SQJ-4					XTAL-SQJ-4		2

Approved

Notes

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