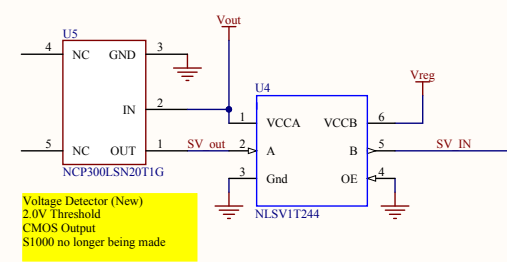
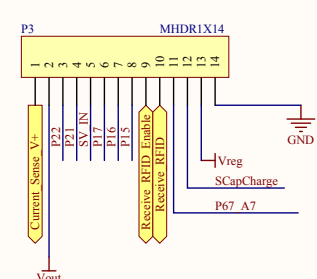
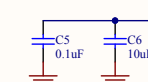
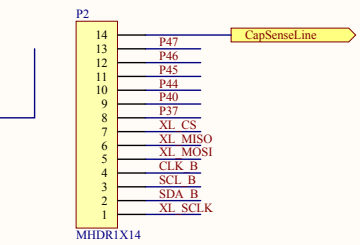


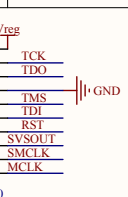
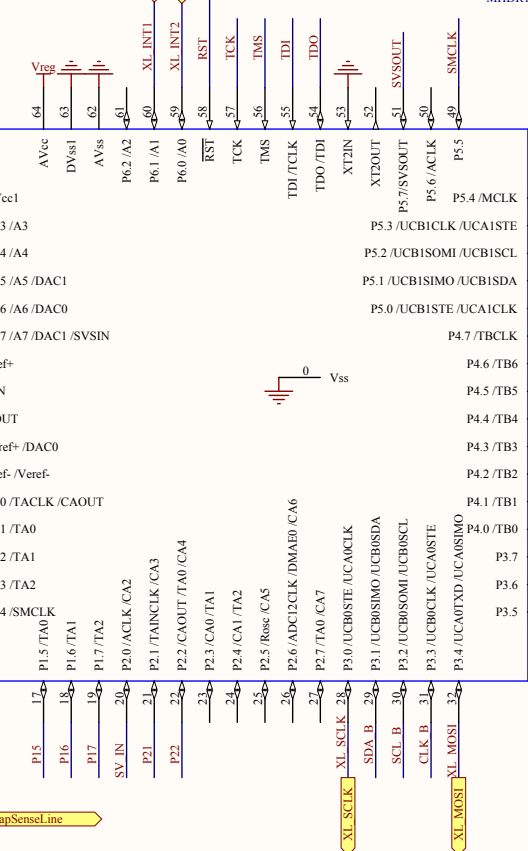
Place 0.1uF and 10uF in parallel with Vref+ to stabilize reference voltage



Voltage Detector (New)
2.0V Threshold
CMOS Output
S1000 no longer being made



Are these pins interrupt enabled?

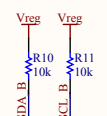
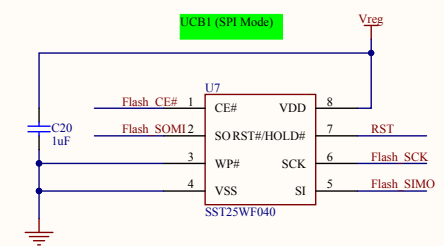


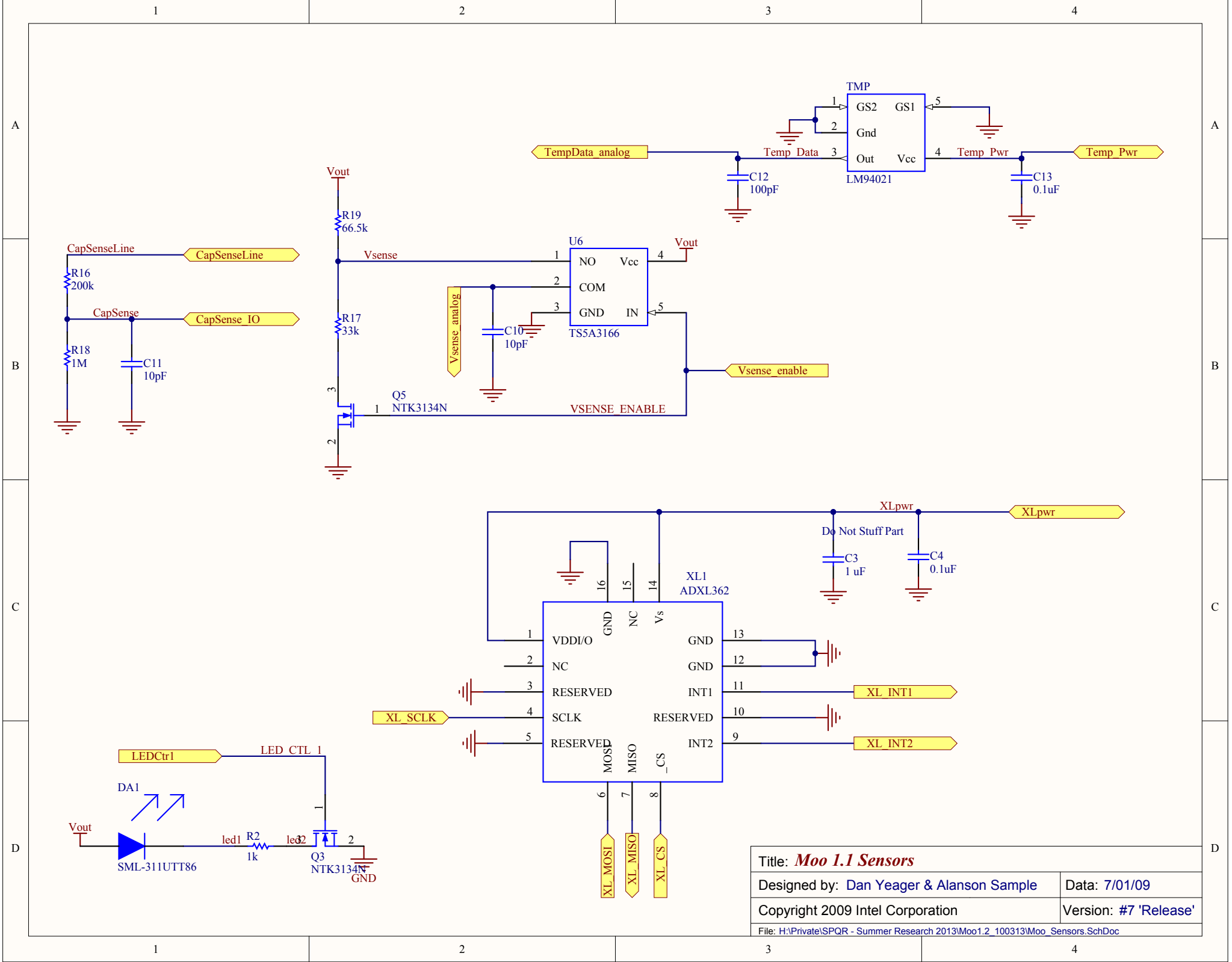
Transmit:
Must be connected to TAO (timer A output), usually P1.1

Receive:
Code must be checked before this port can be changed
Must be on a low value port number of port #1 (ie port 1.0, 1.2)
This has to do with the constant generator in the MSP430 and its ability to quickly reference this port.

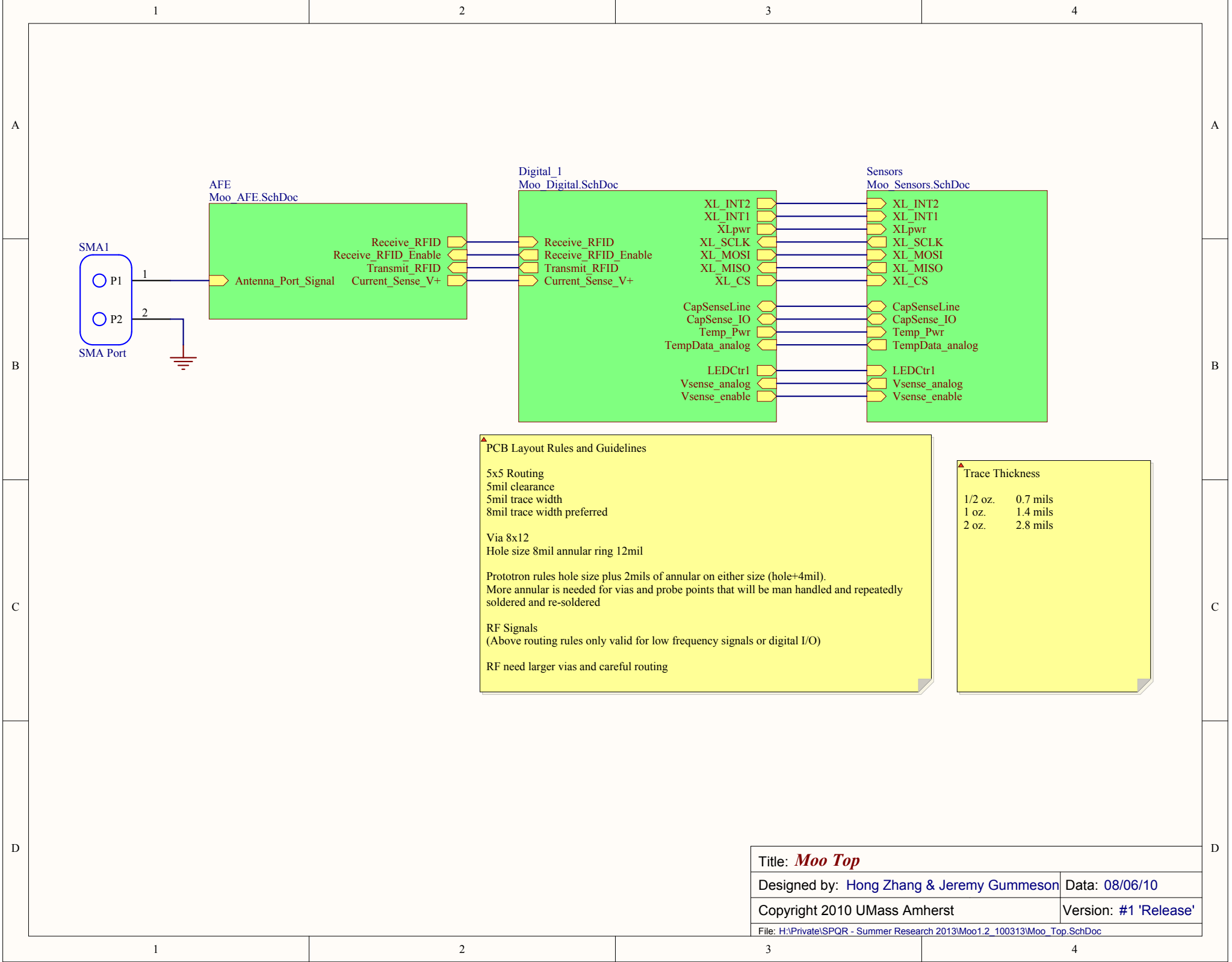
Supervisor Interrupt:
Must be placed on port 2, so it does not collide with the read interrupt

RTC Interrupt:
Must be on port 2 by the same logic





Title: Moo 1.1 Sensors	
Designed by: Dan Yeager & Alanson Sample	Data: 7/01/09
Copyright 2009 Intel Corporation	Version: #7 'Release'
File: H:\Private\SPQR - Summer Research 2013\Moo1.2_100313\Moo_Sensors.SchDoc	



Title: <i>Moo Top</i>	
Designed by: Hong Zhang & Jeremy Gummeson	Data: 08/06/10
Copyright 2010 UMass Amherst	Version: #1 'Release'
File: H:\Private\SPQR - Summer Research 2013\Moo1.2_100313\Moo_Top.SchDoc	

Component list

Source Data From:
Project:
Variant:

<Parameter Title not found>

Moo1.2.PrjPcb
Moo1.2.PrjPcb
None



Report Date: 10/9/2013 8:17:40 PM
Print Date: 09-Oct-13 8:18:54 PM

#	LibRef	#Column Name Error:Manufacturer	m n Name Error:Manufacturer	olumn Name Error:PartTy	Description	Footprint	#Column Name Error:Package Reference	Quantity
1	Ceramic_Chip_Capacitor				Ceramic Capacitor - Standard	0805		1
2	Ceramic_Chip_Capacitor				Ceramic Capacitor - Standard	0402		17
3	Ceramic Chip Capacitor				Decoupling capacitor	0603		1
4	Ceramic Chip Capacitor				Ceramic Capacitor - Standard	0402		2
5	MaxCap LX 0.1F				MaxCap LX 0.1F, low leakage supper cap	Maxcap LX 0.1F		1
6	Var-Cap/603				Var-Cap 603 Compatible, DK: SG2029CT-ND	Var-Cap_603		1
7	HSMS-285C				Agilent Schottky Diode, Bridge Quad, HSMS-285C	SOT-323, HSMS-285C		5
8	Schottky Diode				Schottky Diode	SOD-523		2
9	SML-311UTT86				LED 630NM RED WTR CLR 0603 SMD	0603 - LED		1
10	ESD5Z3.3T1				5V Overvoltage Protection Zener	SOD-523		1
11	Inductor				Inductor	0603		1
12	MSP430F261x				64PM MSP430F261x	64-PM		1
13	MHDR1X10				Header, 10-Pin	MHDR1X10		1
14	MHDR1X14				Header, 14-Pin	MHDR1X14		2
15	MHDR1X4				Header, 4-Pin	MHDR1X4		1
16	Probe Point				Probe Point for debug	Probe Point		2
17	BFT25A				NPN 5 GHz Wideband Transistor	SOT-23		1
18	NTK3134N				Pow e Mosfet 20V, 890mA, Single N-channel	SOT1723		3
19	BF1212					sot343r		1
20	Thick Film Chip Resistor				Thick Film Chip Resistor	0402		12
21	Thick Film Chip Resistor				Thick Film Chip Resistor	0603 - RES		1
22	SMA Port				Two pin SMA connector wisp	SMA Port		1
23	LM94021				Temperature Sensor	SC70		1
24	NCS2200SQ2T2G				On Semi 10uA Comparator	sc70-5		1
25	NLSV1T244				Level Shifter: 1-Bit Dual-Supply Non-Inverting Level Translator	UDFN6		2
26	NCP583				Ultra-Low Iq 150mA CMOS LDO Regulator with Enable	SC82-AB		1
27	NCP300LSN20T1G				2.0V Voltage Detector; Active-low; CMOS output	SOT-23-5		1
28	TS5A3166				TI Analog Sw itch 100nA 1ohm Normally Open	sc70-5		1
29	SST25WF040				Serial Flash Memory - 8 Lead SOIC Package	SOIC8		1
30	ADXL362				Analog Devices 3D Accelerometer	16-pin QFN for ADXL362		1
31	FC-135					FC-135		1

Approved	Notes	69