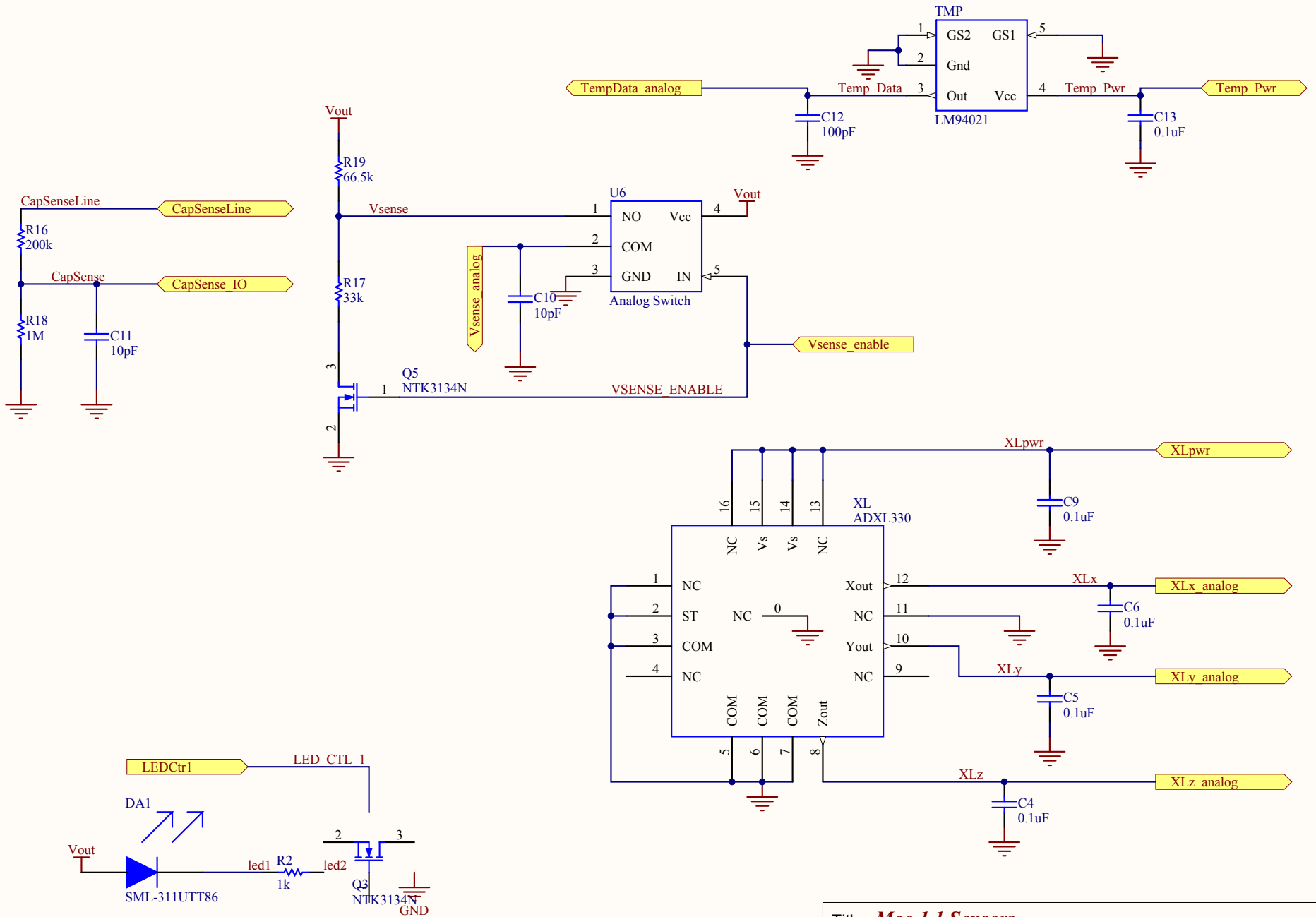


Title: Moo 1.1 Antenna Front End	
Designed by: Dan Yeager & Alanson Sample	Data: 7/01/09
Copyright 2009 Intel Corporation	Version: #1 'Release'
File: H:\Private\SPQR - Summer Research 2013\Moo2.0_08072013\Moo_AFE_SchDoc	



Title: **Moo 1.1 Sensors**

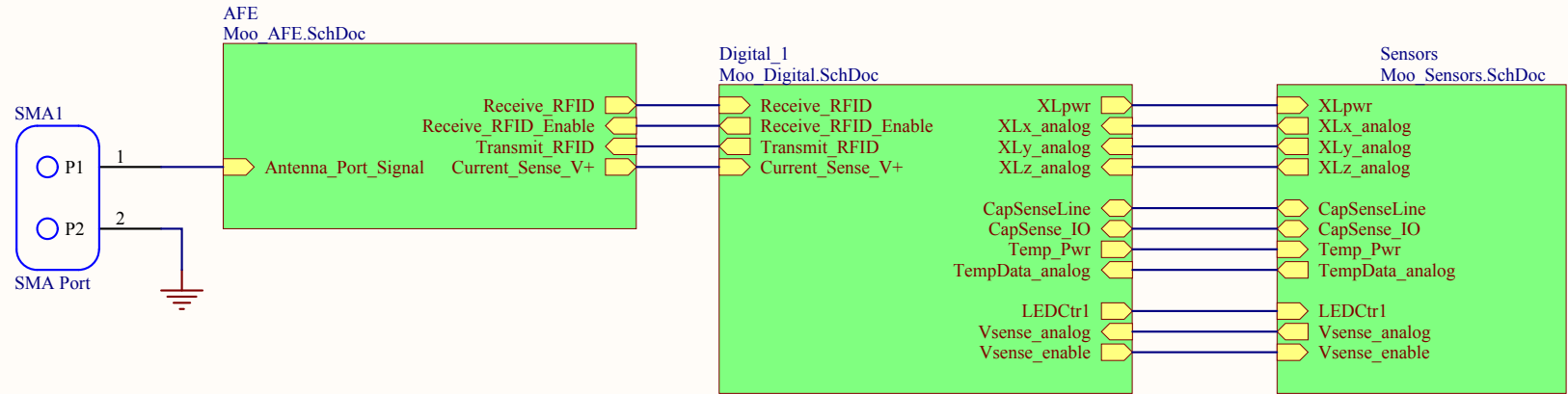
Designed by: Dan Yeager & Alanson Sample

Data: 7/01/09

Copyright 2009 Intel Corporation

Version: #7 'Release'

File: H:\Private\SPQR - Summer Research 2013\Moo2.0_08072013\Moo_Sensors.SchDoc



PCB Layout Rules and Guidelines

5x5 Routing
 5mil clearance
 5mil trace width
 8mil trace width preferred

Via 8x12
 Hole size 8mil annular ring 12mil

Prototron rules hole size plus 2mils of annular on either size (hole+4mil).
 More annular is needed for vias and probe points that will be man handled and repeatedly soldered and re-soldered

RF Signals
 (Above routing rules only valid for low frequency signals or digital I/O)

RF need larger vias and careful routing

Trace Thickness

1/2 oz.	0.7 mils
1 oz.	1.4 mils
2 oz.	2.8 mils

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\Moo2.0_08072013\Moo_Top.SchDoc	

