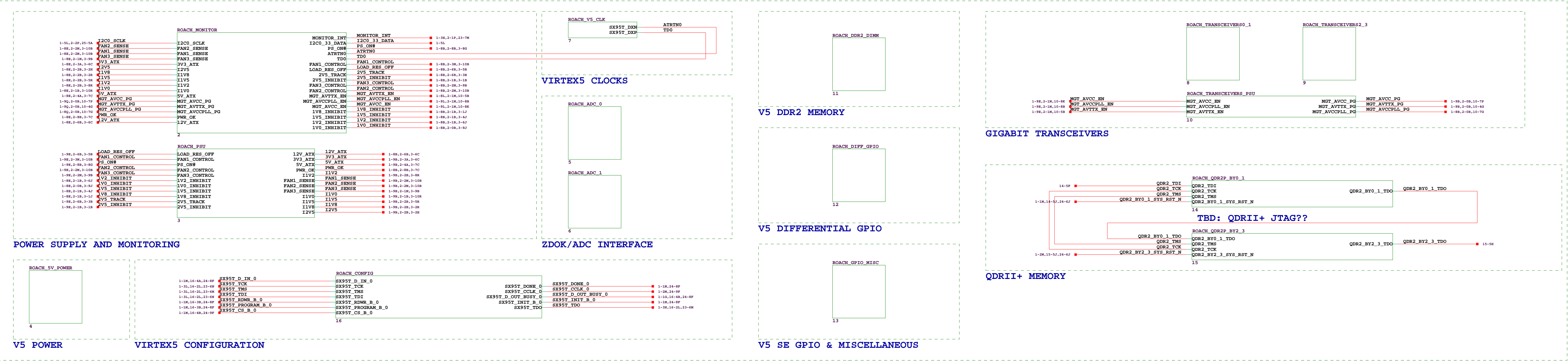
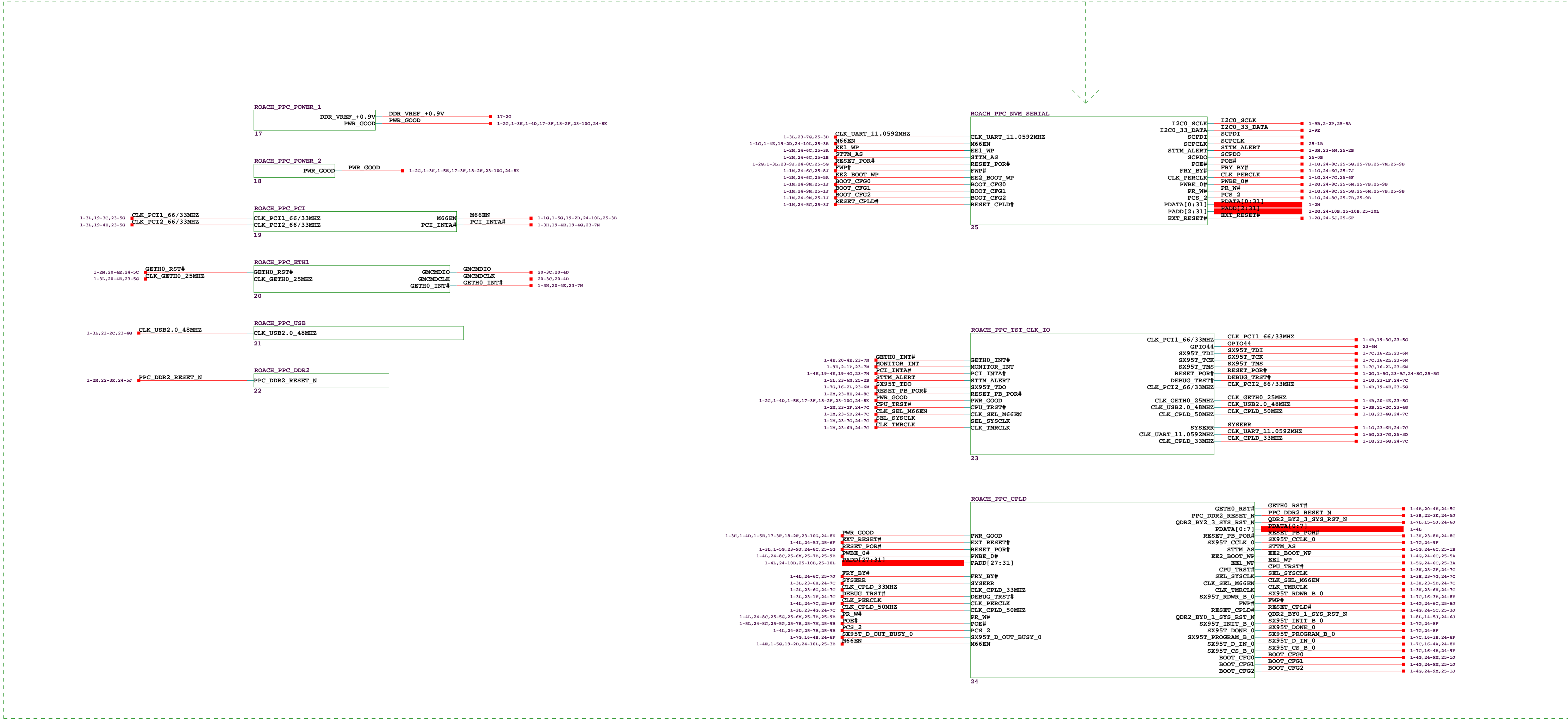


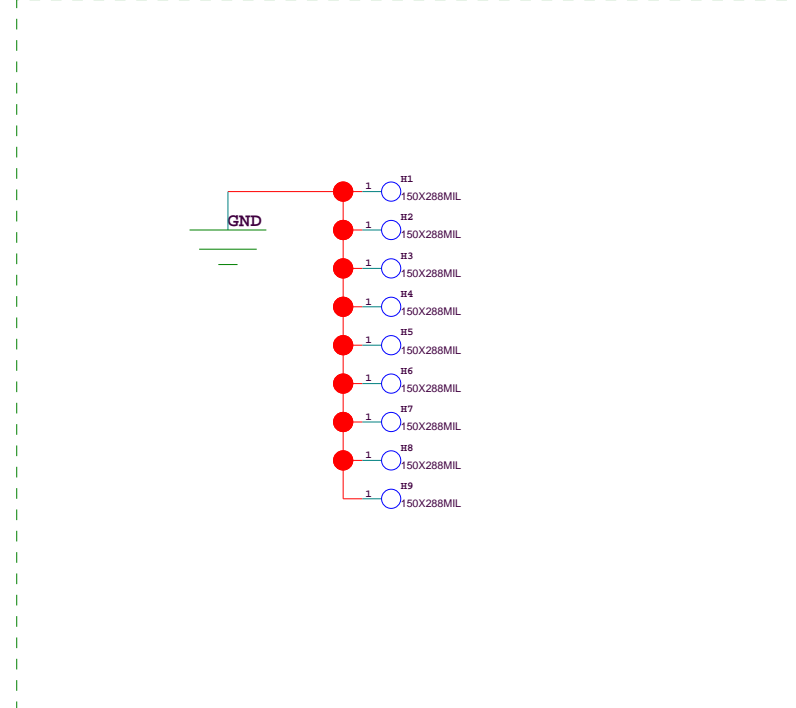
VIRTEX5



PPC

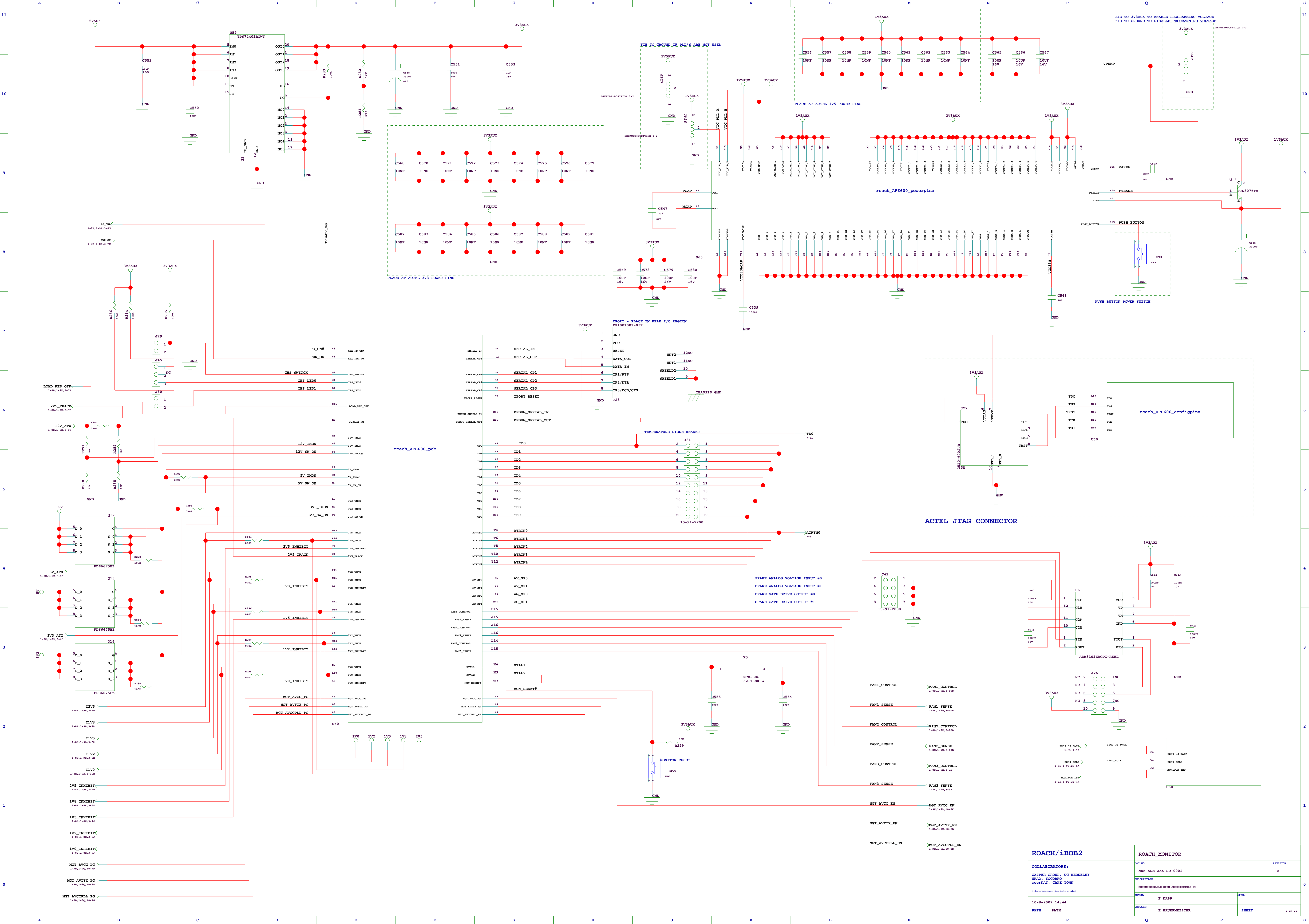


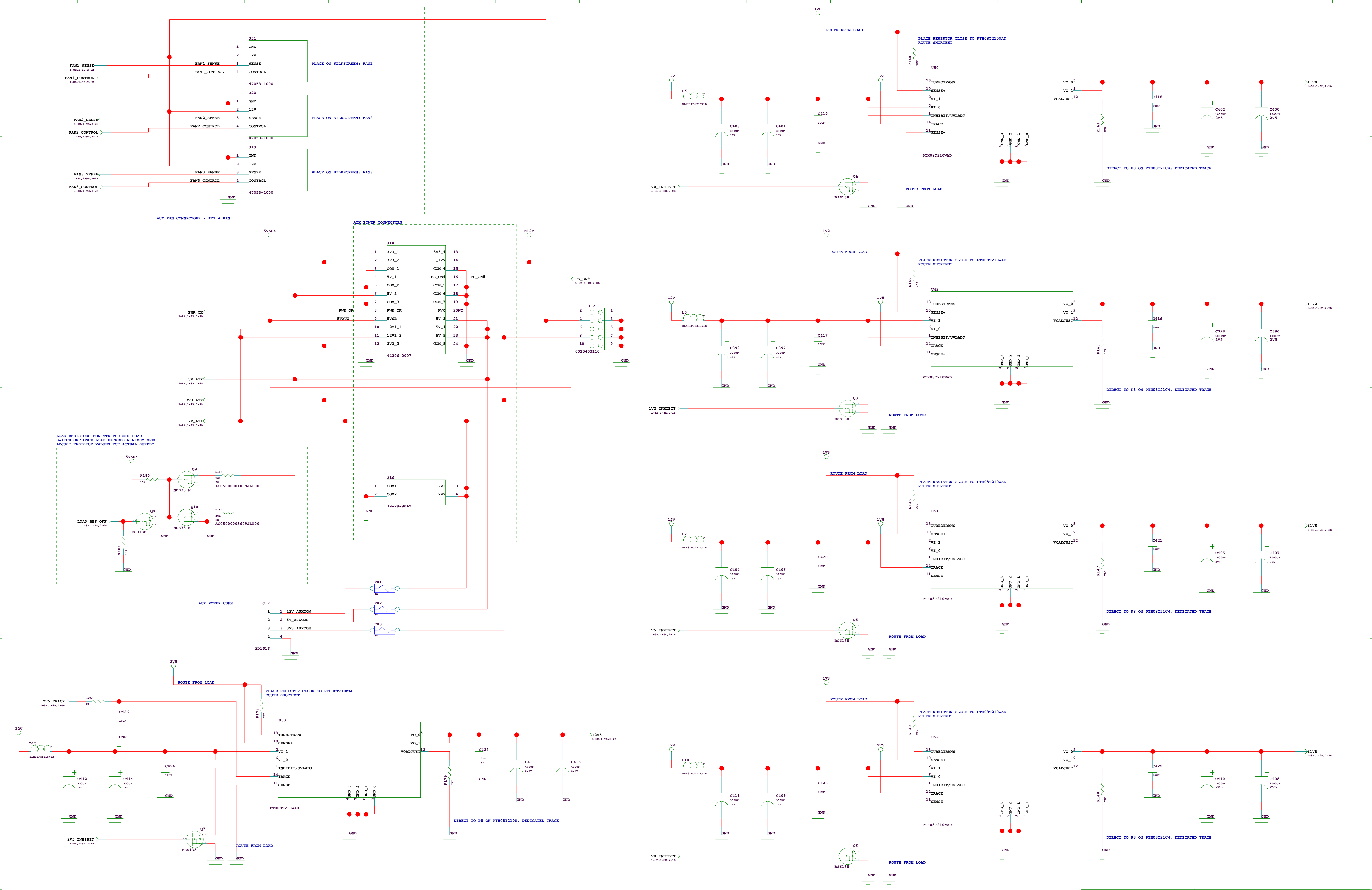
MECHANICAL



CONTRIBUTORS

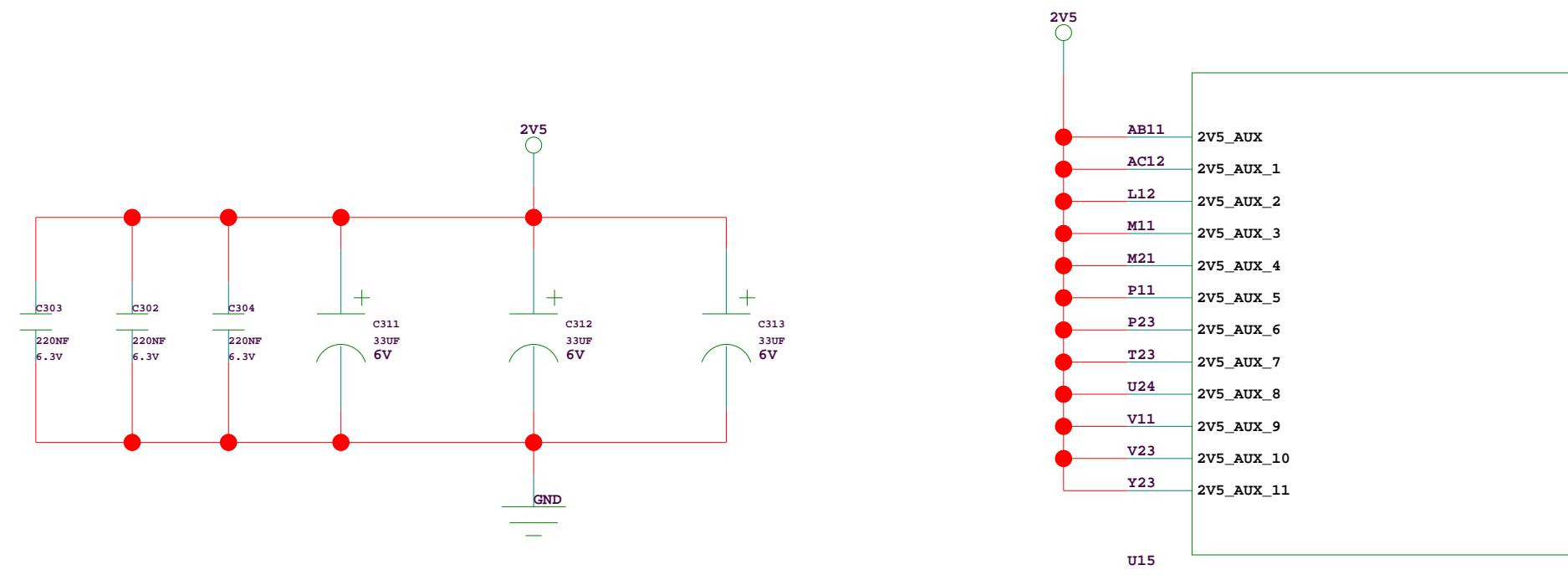
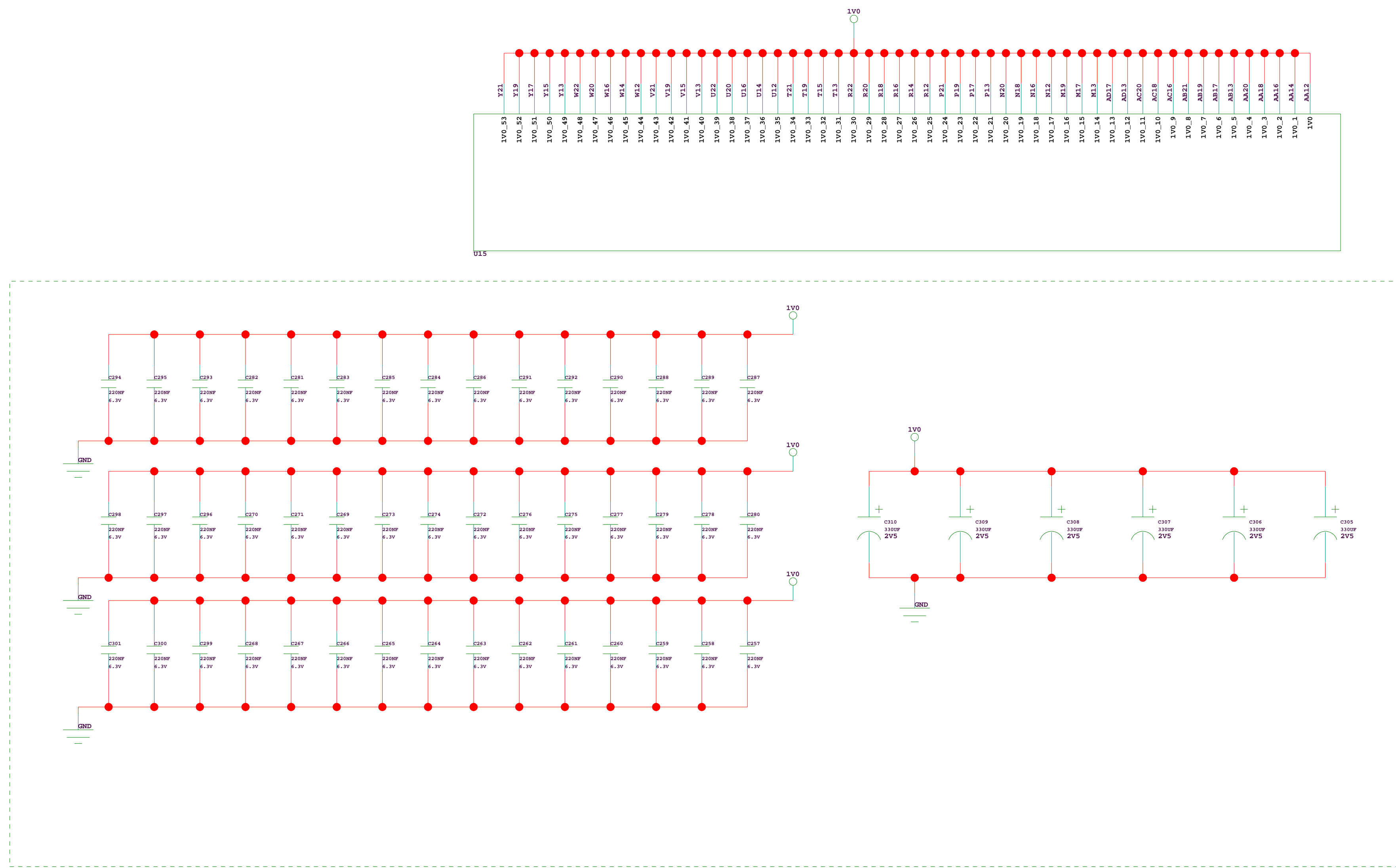
ROACH/iBOB2				ROACH_TOP			
COLLABORATORS:				DOC NO			
CASPER GROUP, UC BERKELEY				NRF-ADM-XXX-SD-0001			
NRAO, SOCCORRO				RECONFIGURABLE OPEN ARCHITECTURE HW			
http://casper.ucberkeley.edu/				F KAPP			
10-8-2007 14:44				R BAUERMEISTER			
PATH				SHEET			





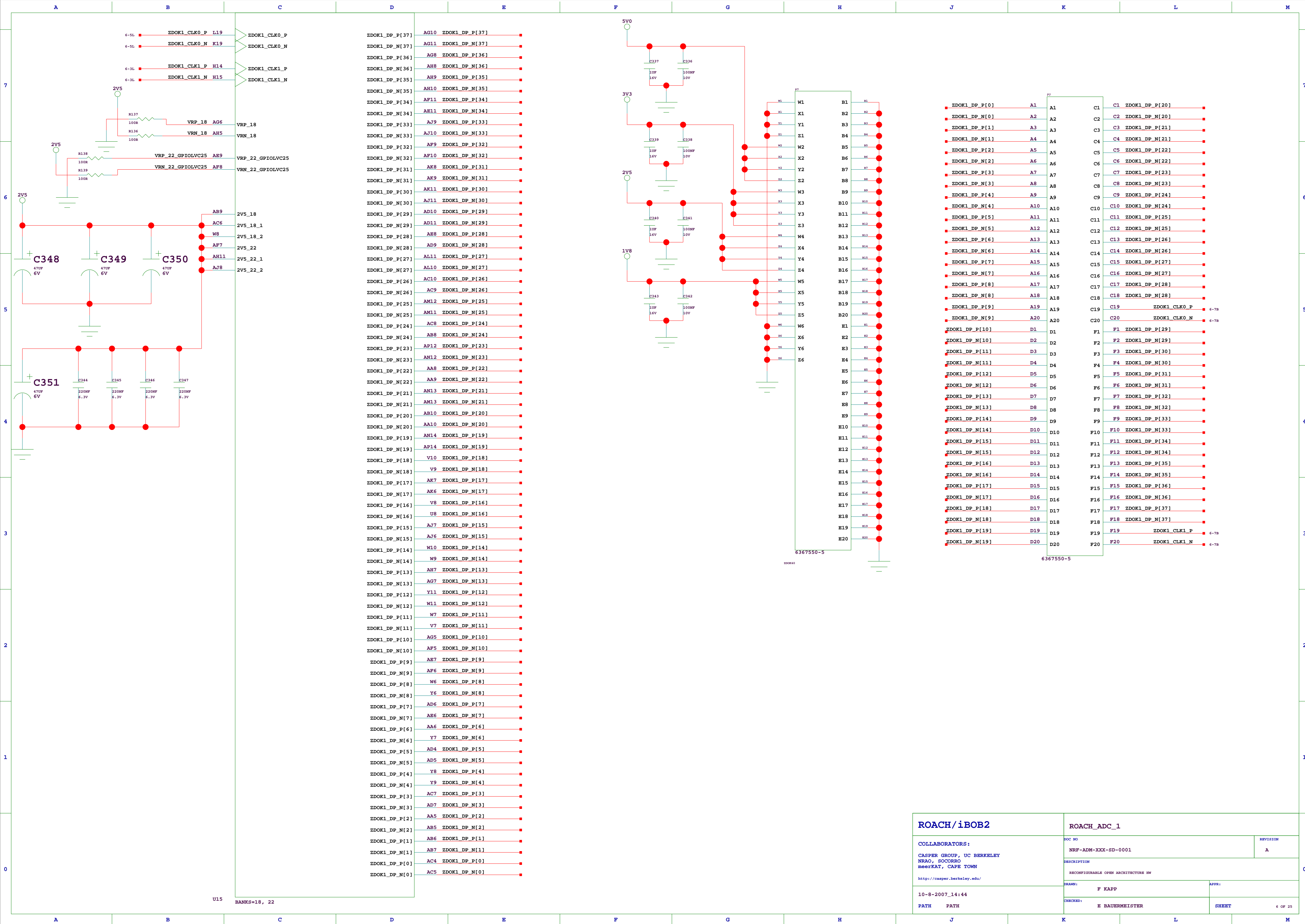
ADJUSTMENT AND T2 RESISTOR VALUES TBD
SOURCE VOLTAGES TO BE SELECTED

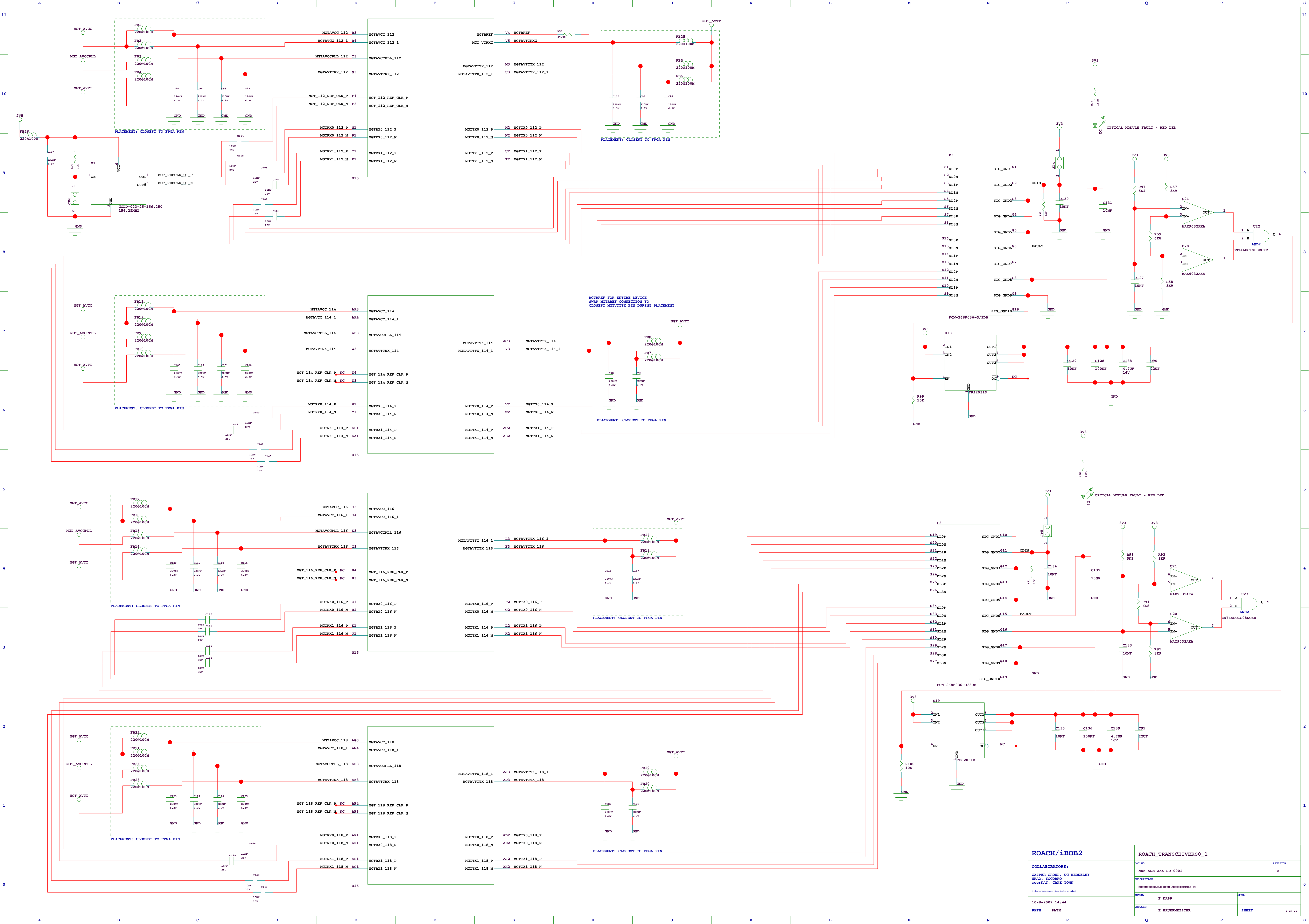
ROACH/iBOB2		ROACH_PSU	
COLLABORATORS:		DOC NO	REVISION
CASPER GROUP, UC BERKELEY NRAO, SOONERO BeebeCAT, CAPE TOWN		NRF-ADM-XXX-SD-0001	A
http://casper.berkeley.edu/		DESCRIPTION	
10-8-2007 14:44		RECONFIGURABLE OPEN ARCHITECTURE HW	
PATH		DRAWN:	APPD:
PATH		F KAPP	
CHECKED:		R BAUERMEISTER	SHEET
			3 OF 25



ROACH/iBOB2		ROACH_5V_POWER		
COLLABORATORS: CASPER GROUP, UC BERKELEY NIKO, SCORRO MEEFAAT, CAPE TOWN http://casper.berkeley.edu/		DOC NO NKF-ADM-XXX-SD-0001 DESCRIPTION RECONFIGURABLE OPEN ARCHITECTURE SW	REVISION A	
10-8-2007_14:44 PATH PATH		ISSUED: F KAPP E BAUERMEISTER	APPR: SHEET	4 OF 2







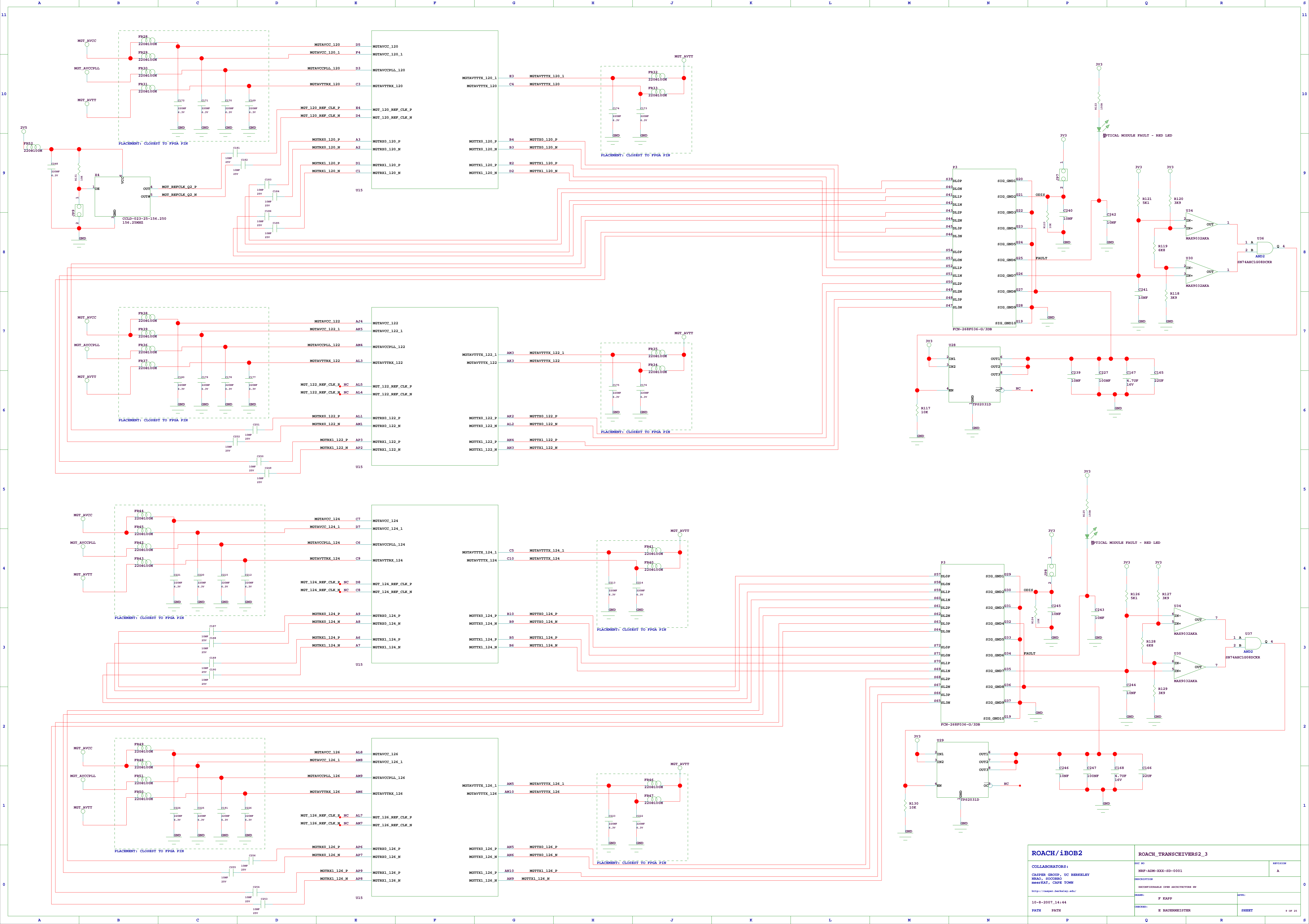
ROACH/iBOE2

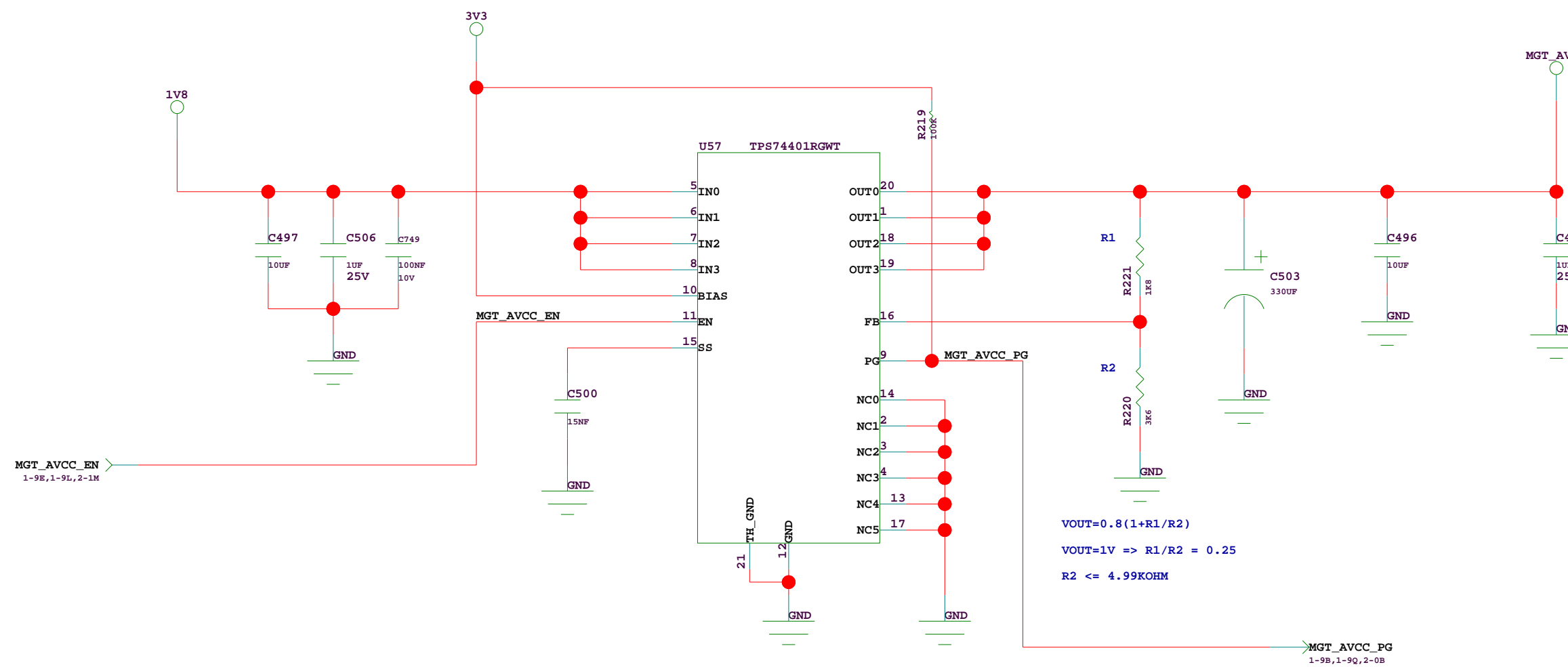
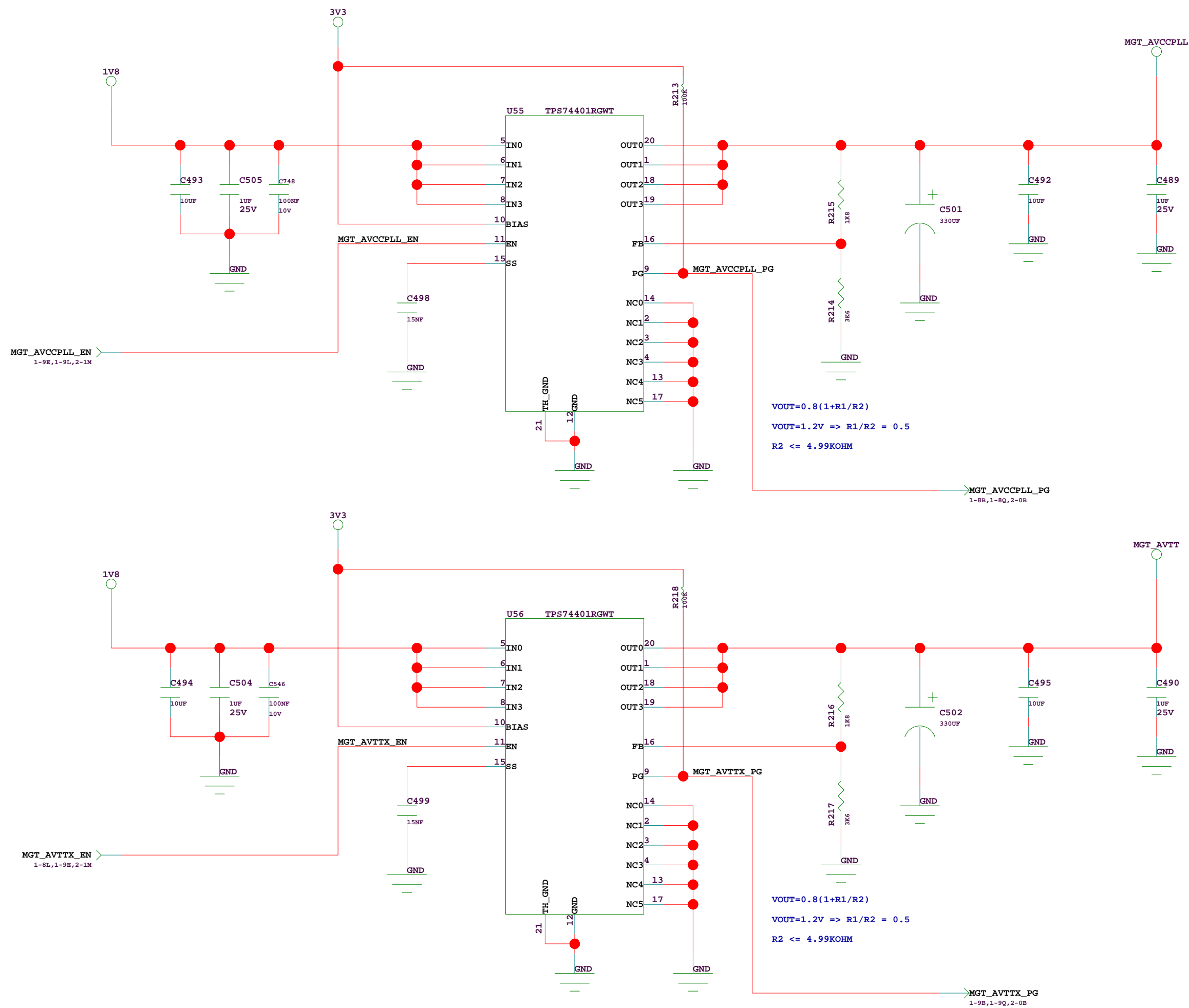
COLLABORATORS:
CASPER GROUP, UC BERKELEY
NRAO, SOCORRO
BEEBEFAT, CAPE TOWN
<http://casper.berkeley.edu/>

10-8-2007 14:44
PATH PATH

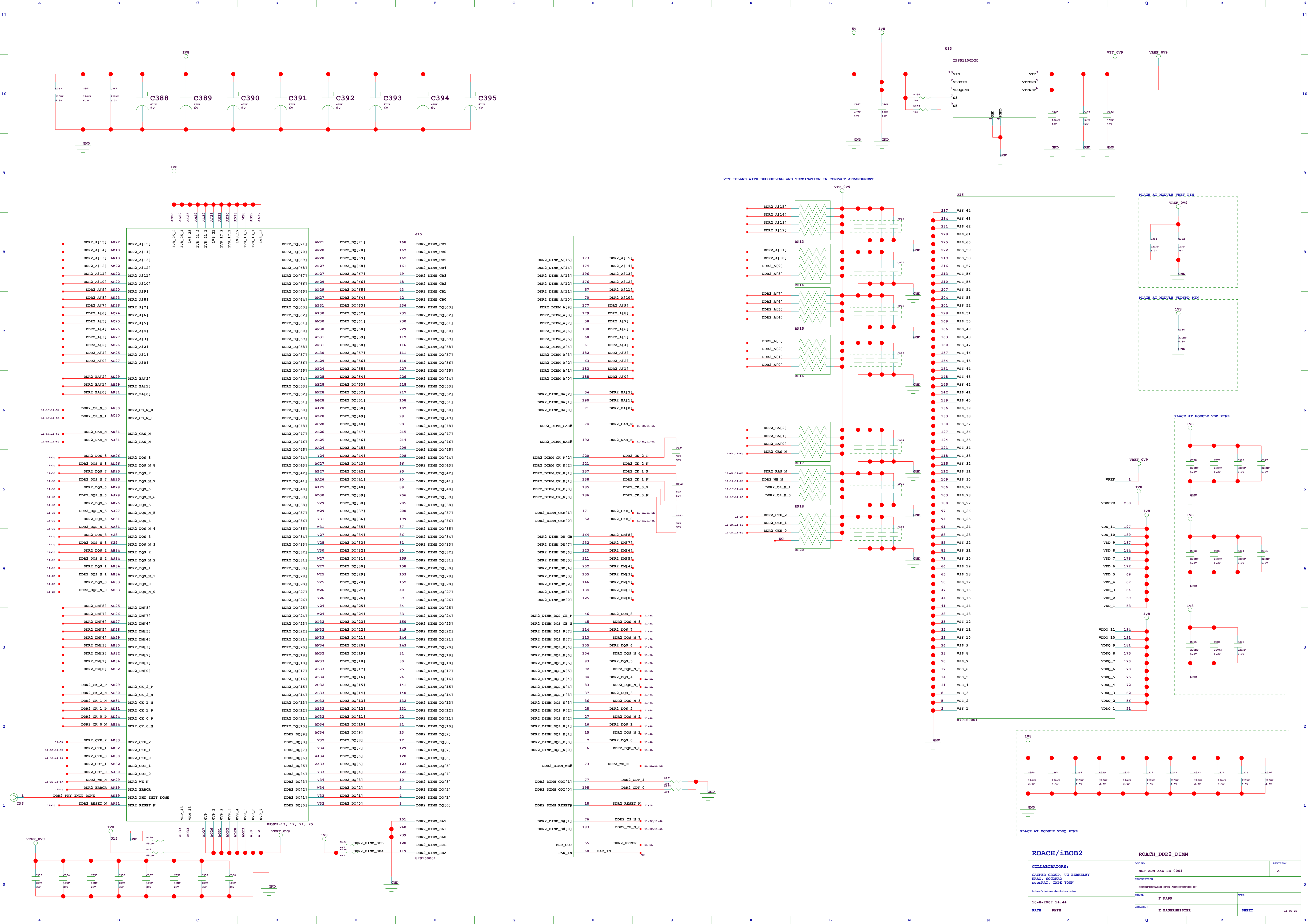
ROACH_TRANSCEIVERS0_1

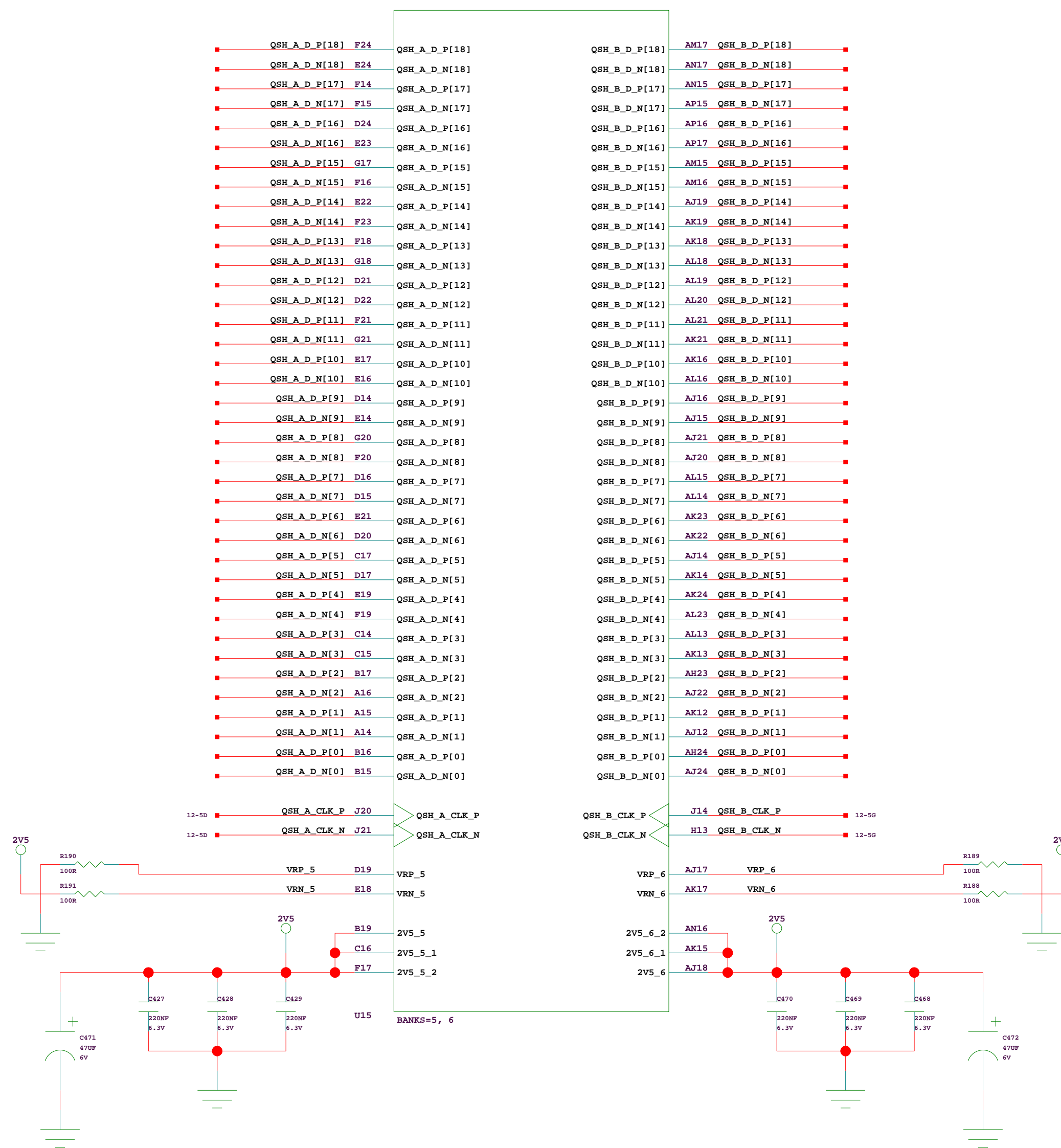
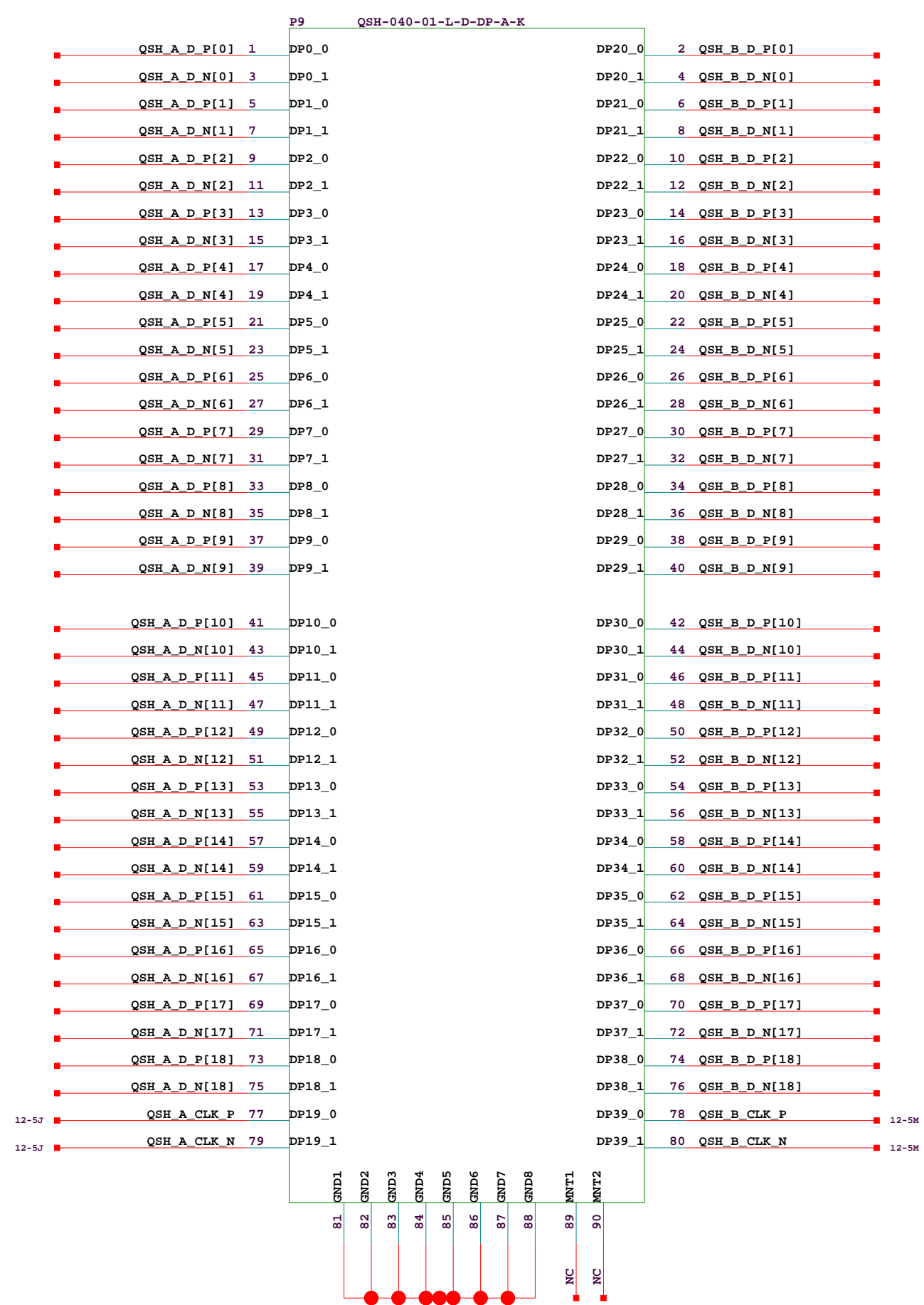
DOC NO	REV
NRF-ADM-XXX-SD-0001	A
DESCRIPTION	
RECONFIGURABLE OPEN ARCHITECTURE HW	
DESIGNER	APP
F KAPP	
CHECKED	R BAUERMEISTER
SHEET	8 OF 25



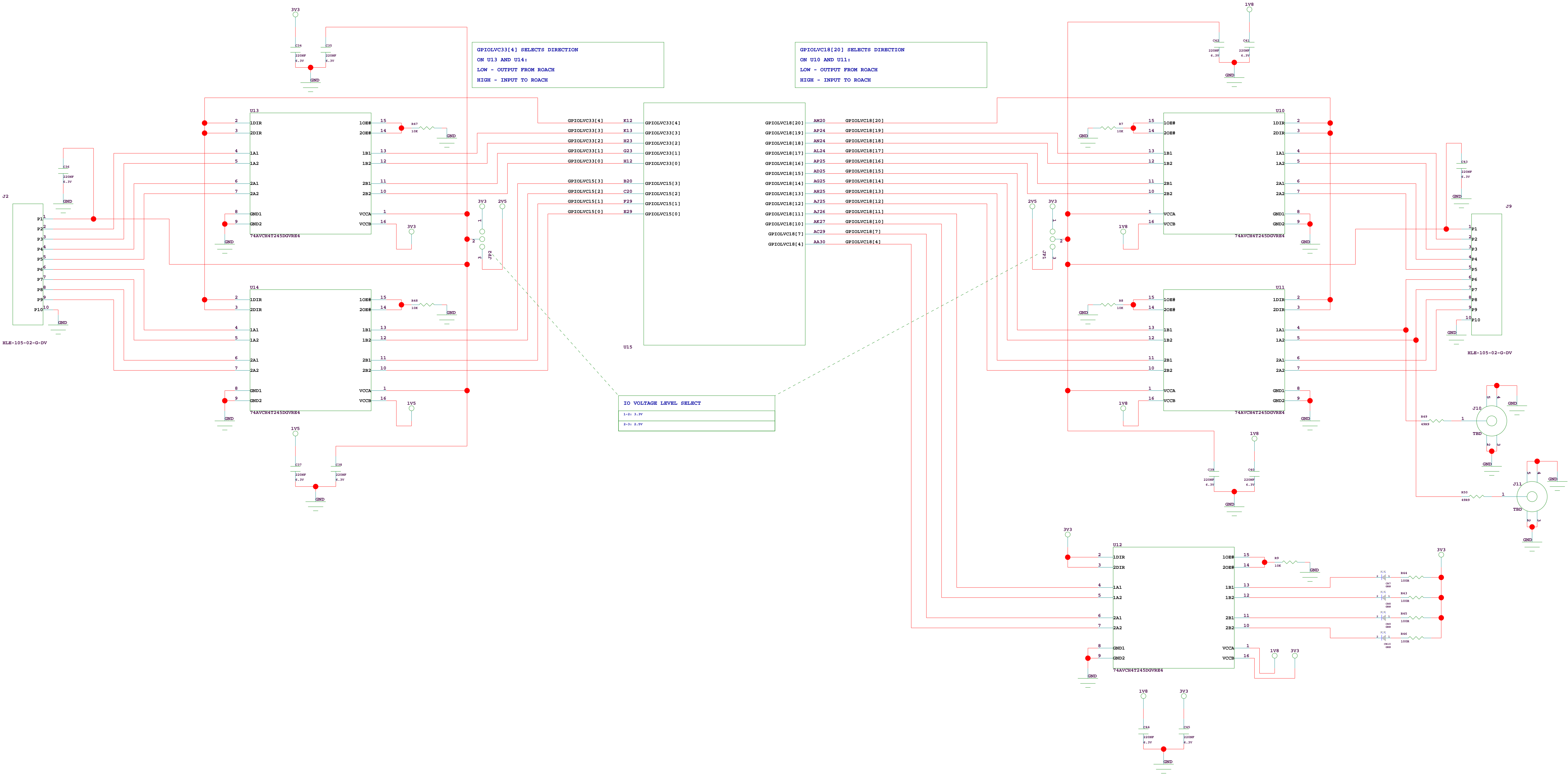


ROACH/iBOE2		ROACH_TRANSCEIVERS_PSU	
COLLABORATORS:		DOC NO	REVISION
CASPER GROUP, UC BERKELEY		NRF-ADM-XXX-SD-0001	A
MESA, SOCORRO		DESCRIPTION	
MEEETAT, CAPE TOWN		RECONFIGURABLE OPEN ARCHITECTURE HW	
http://casper.berkeley.edu/		DRN:	APP:
10-8-2007_14:44		F KAPP	
PATH	PATH	CHECKED:	SHEET
		E BAUERMEISTER	10 OF 2

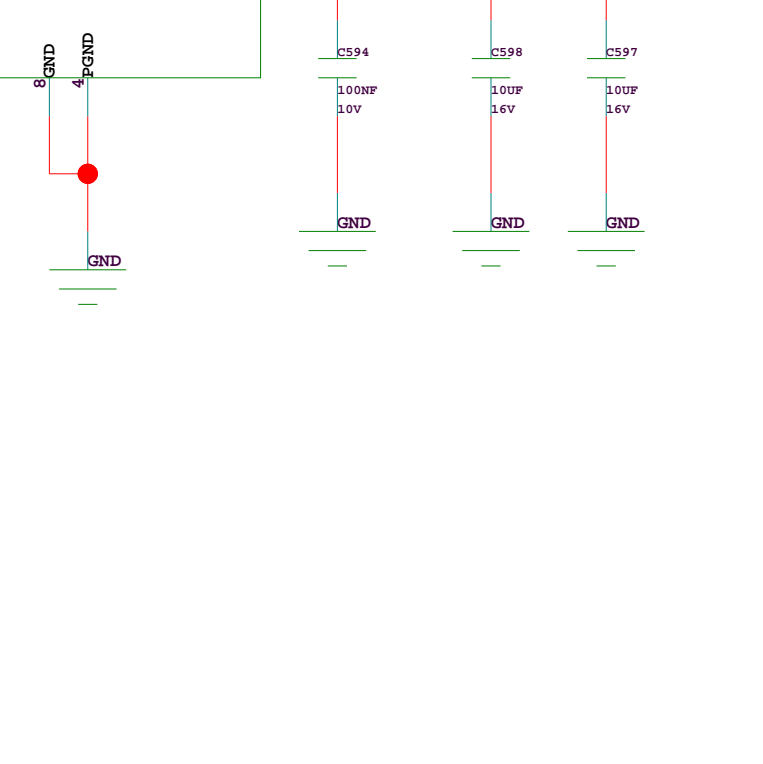
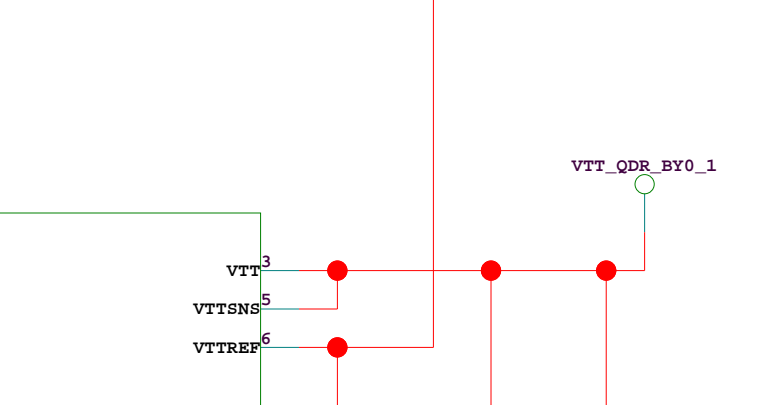
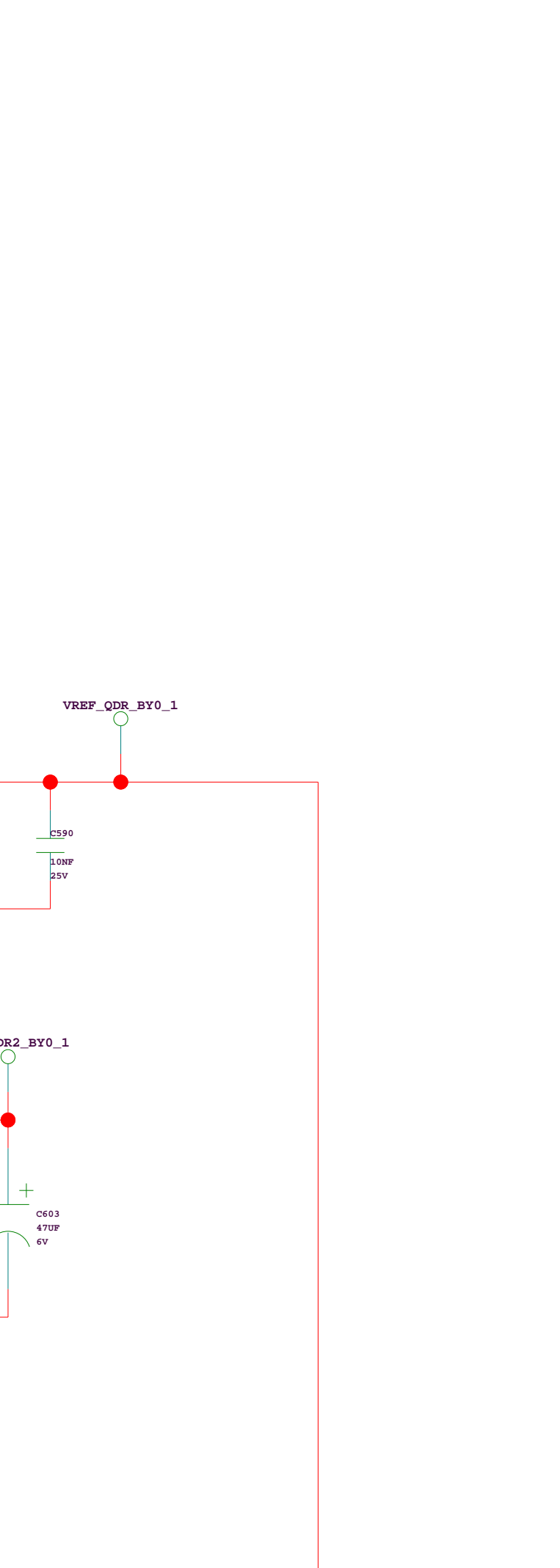
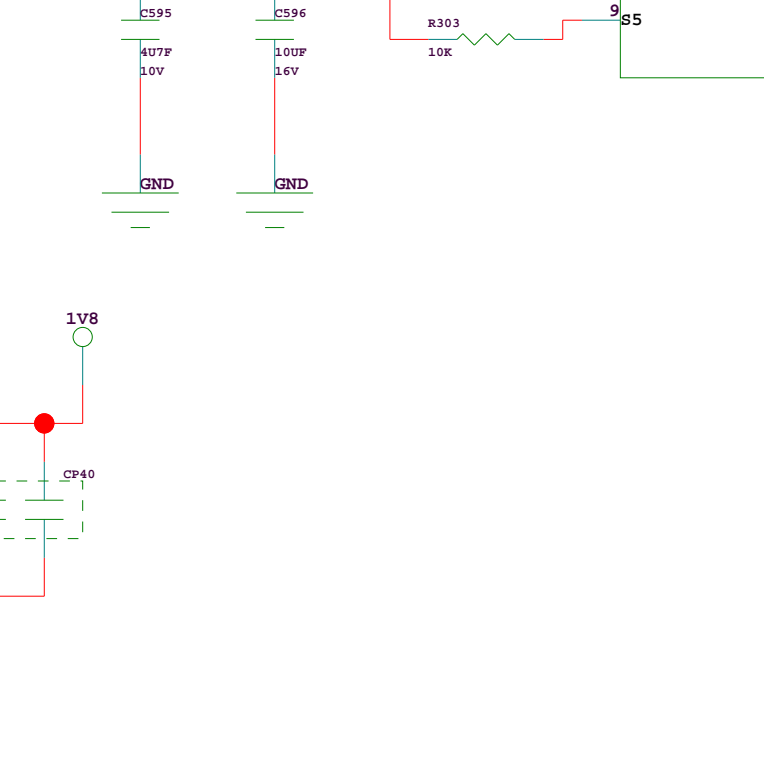
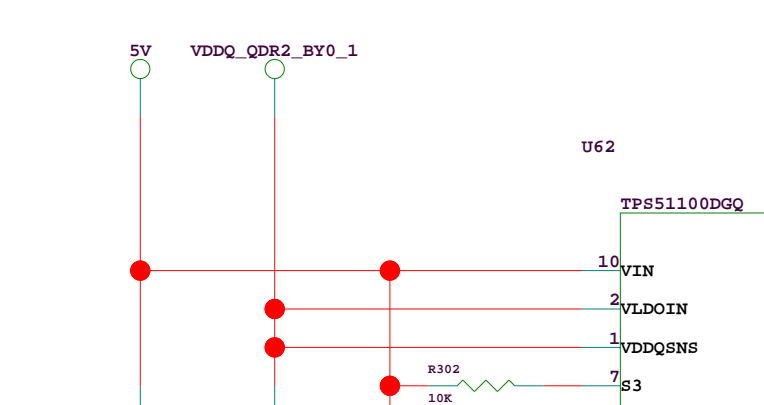
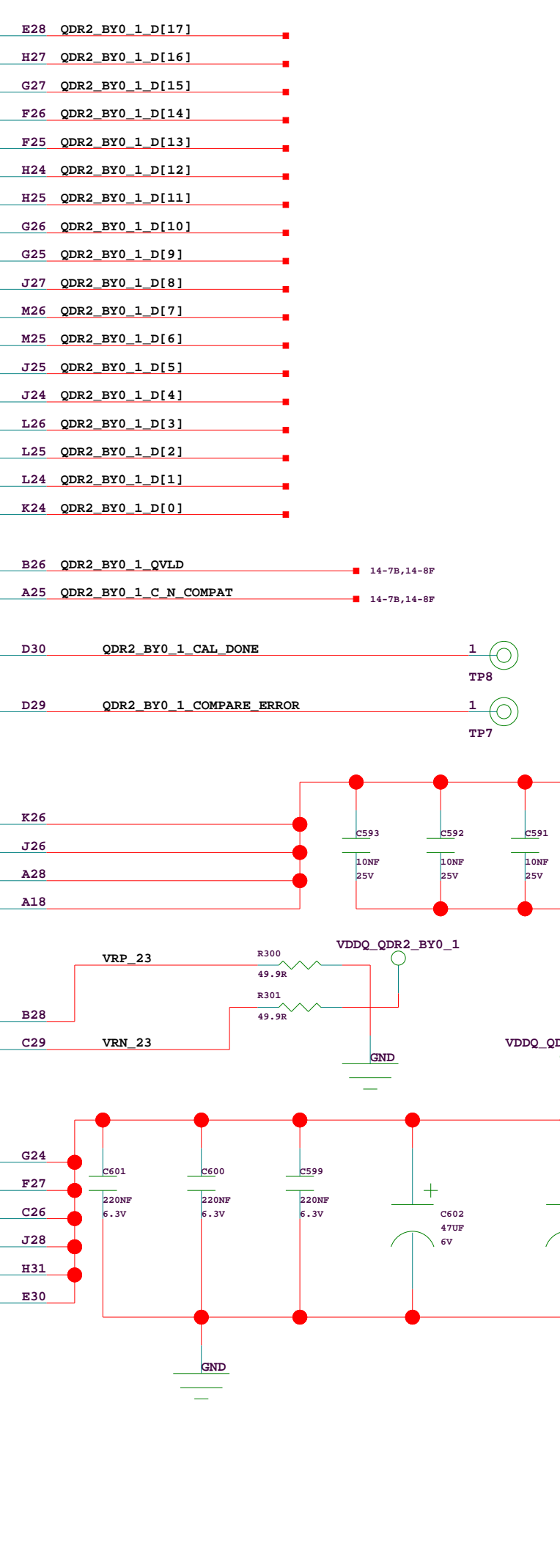
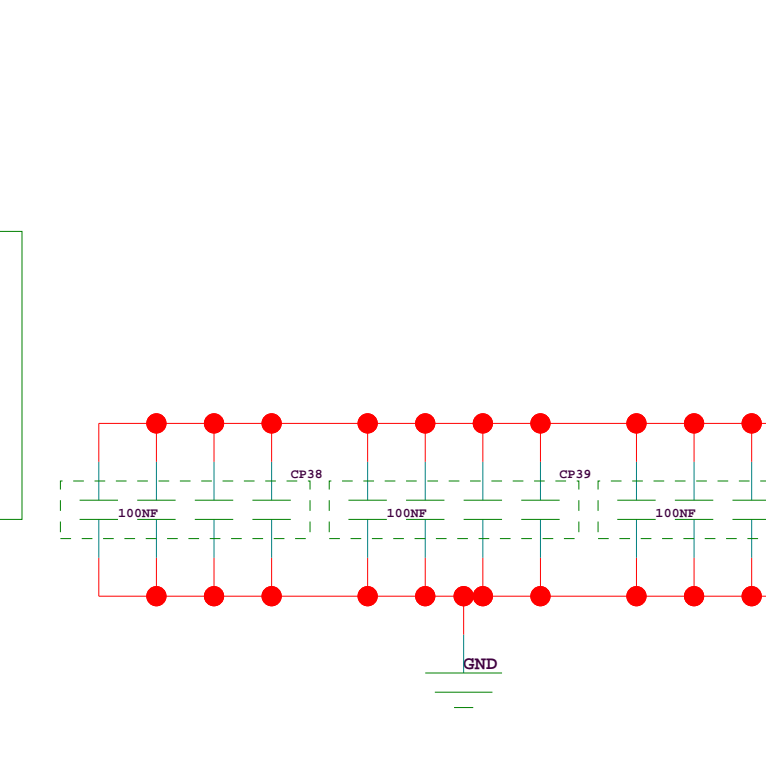
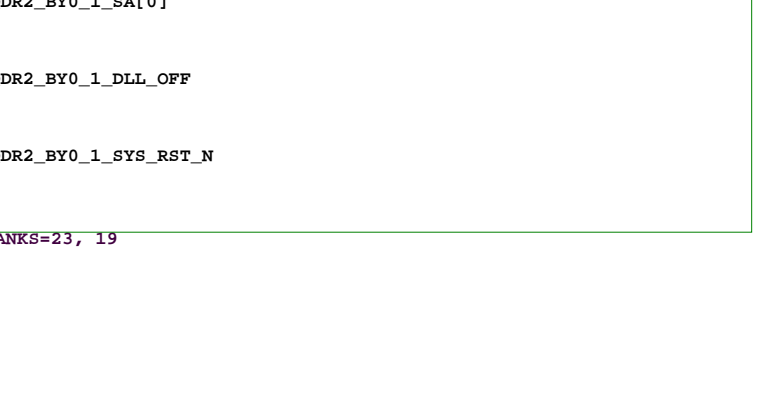
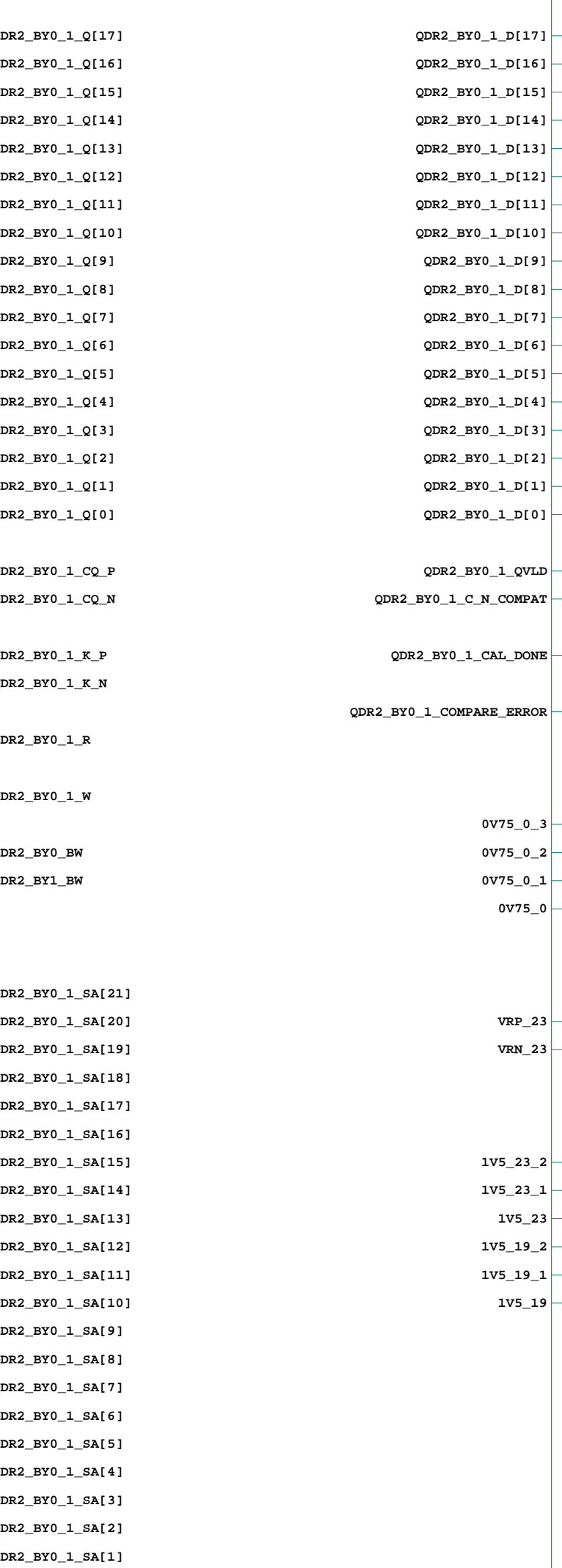
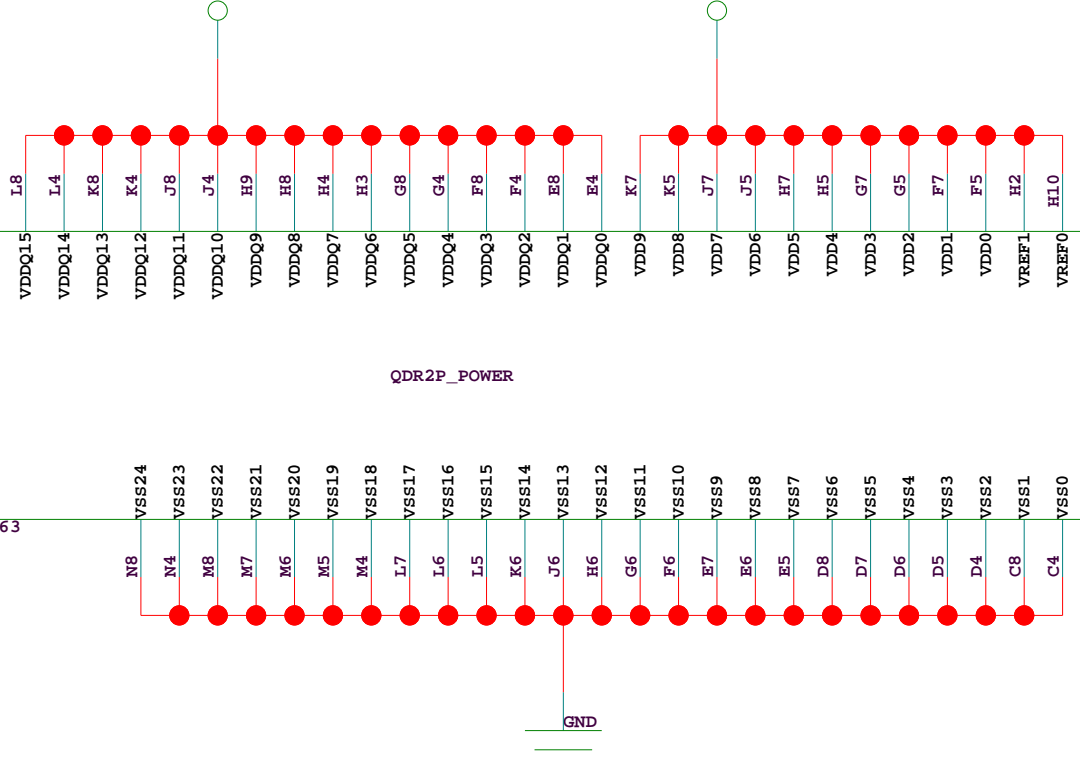
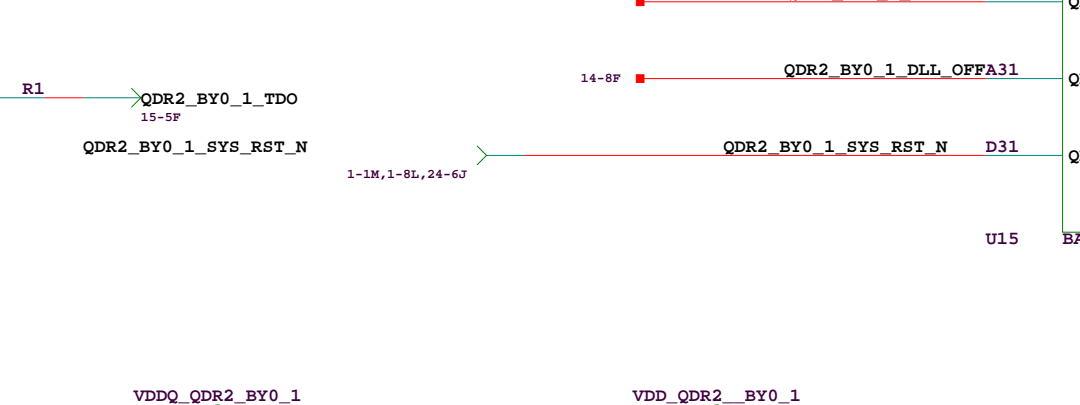
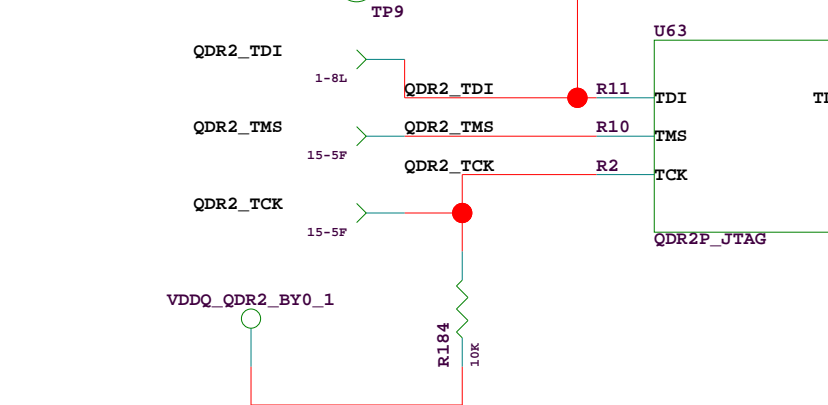
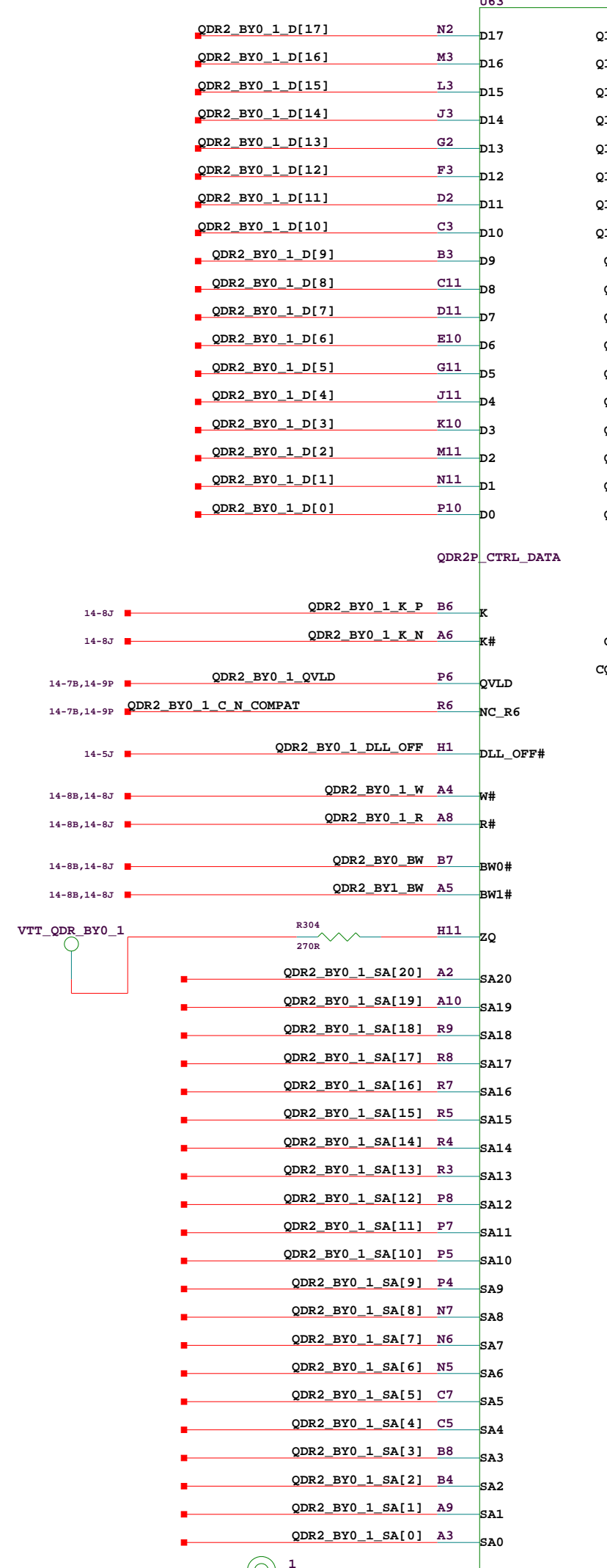
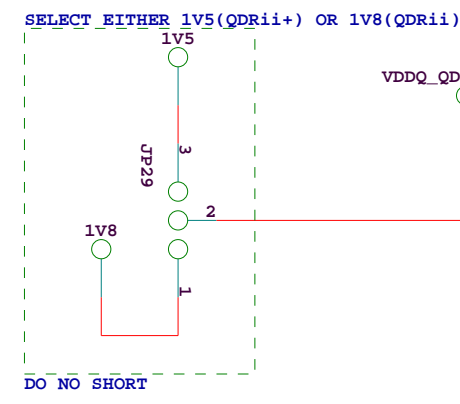
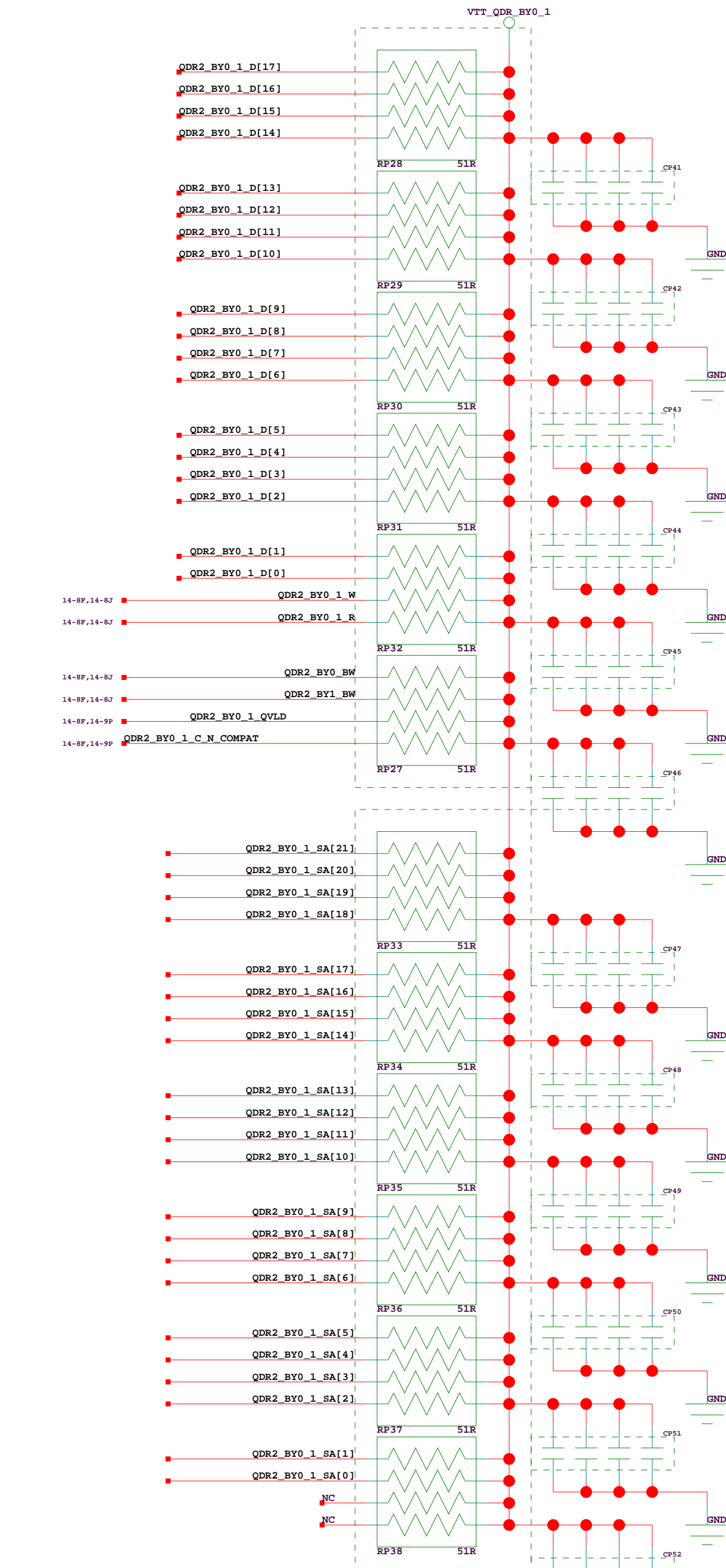




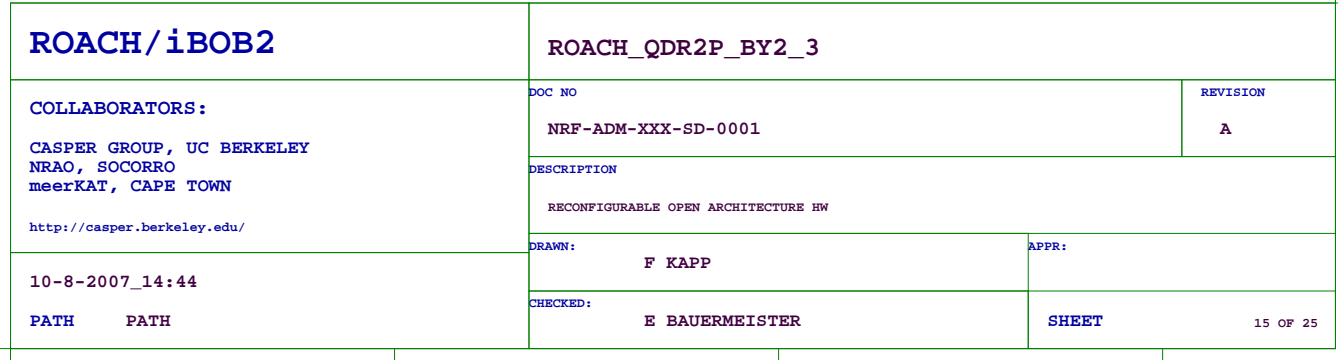
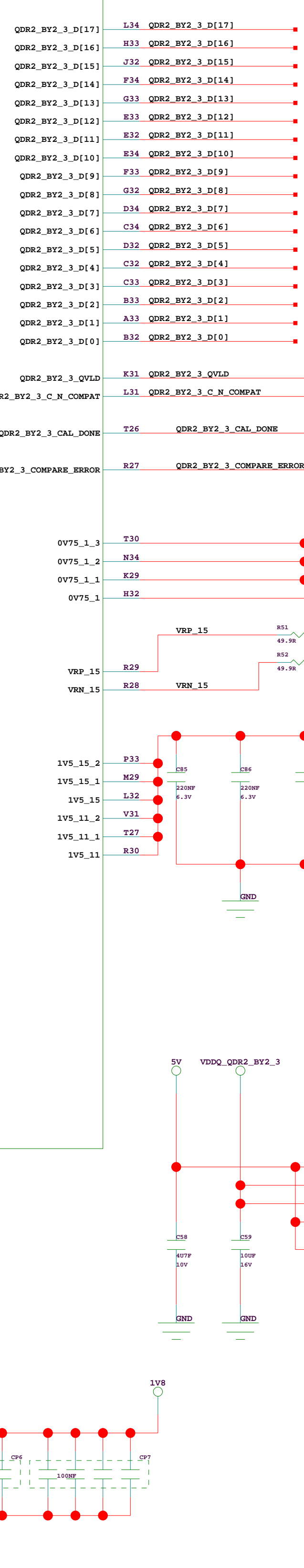
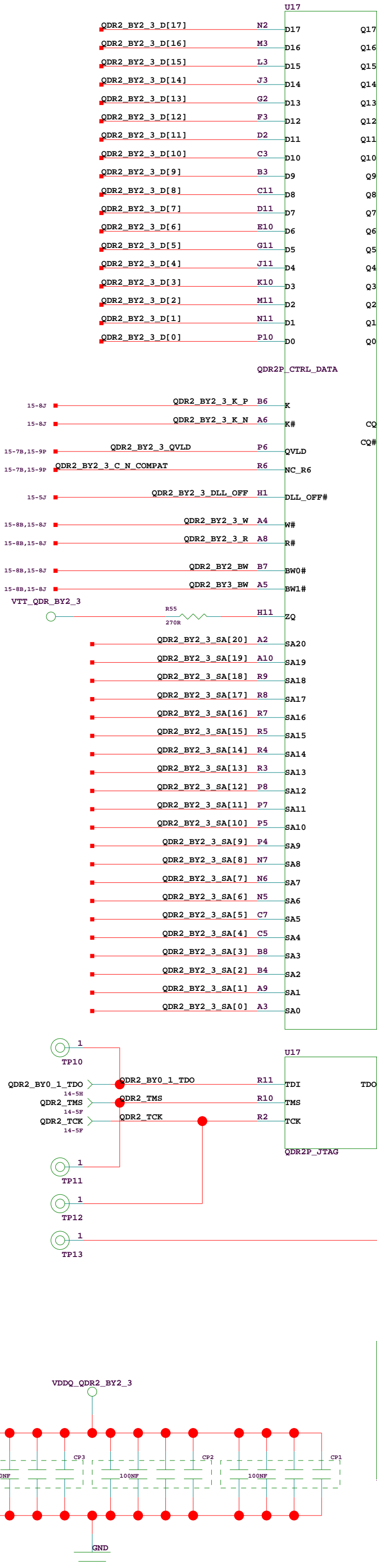
ROACH/iBOB2		ROACH_DIFF_GPIO	
COLLABORATORS: CASPER GROUP, UC BERKELEY WRAD, SCORRO macek@t, CAPN TOWN http://casper.berkeley.edu/		SOC NO: REF-ADM-XXX-ED-0001 DESCRIPTION: RECONFIGURABLE OPEN ARCHITECTURE HW	REVISION: A
10-8-2007_14:44		NAME: F KAPP	APPR:
PATH	PATH	CHECKED: E BAUERMEISTER	SHEET 12 OF 25



ROACH/iBOE2		ROACH_GPIO_MISC	
COLLABORATORS:		DCC NO:	REVISION:
CASPER GROUP, UC BERKELEY		NRF-ADM-XXX-SD-0001	A
DESCRIPTION:		DESCRIPTION:	
NRAO, SOCORRO		RECONFIGURABLE OPEN ARCHITECTURE HW	
MentorCAT, CAPE TOWN		ISSUED:	ISSUED:
http://casper.berkeley.edu/		F KAPP	
10-8-2007 14:44		CHECKED:	R BAUERMISTLER
PATH	PATH		SHEET

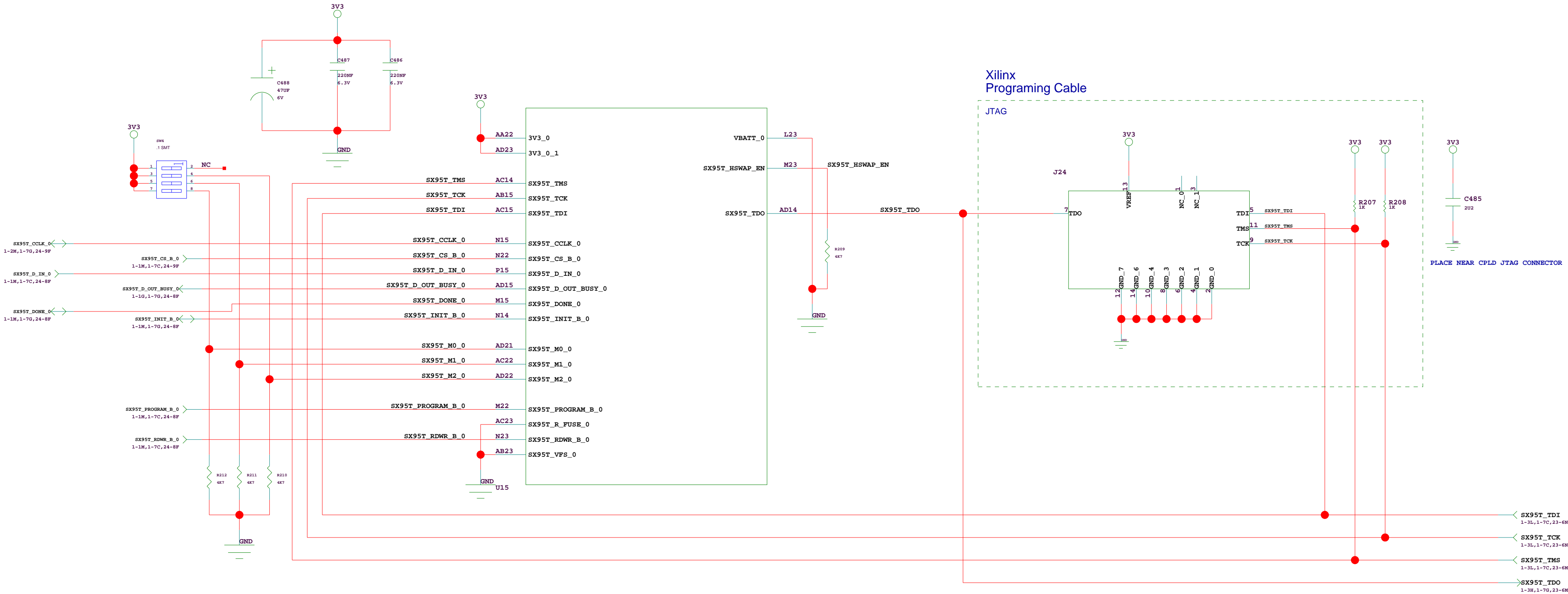


ROACH/iBOE2		ROACH_QDR2P_BY0_1	
COLLABORATORS:		DOC NO	REVISION
CASPER GROUP, UC BERKELEY		NRF-ADM-XXX-SD-0001	A
NRAO, SOCCORRO		DESCRIPTION	
MERCAT, CAPE TOWN		RECONFIGURABLE OPEN ARCHITECTURE HW	
http://casper.berkeley.edu/		ISSUE	ISSUE
10-8-2007 14:44		F KAPP	
PATH PATH		R BAUERNBIESTER	SHEET



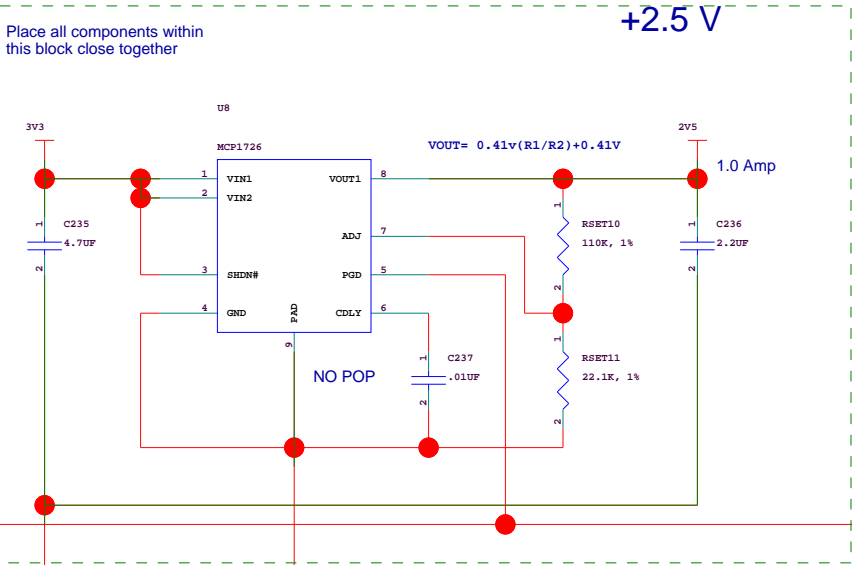
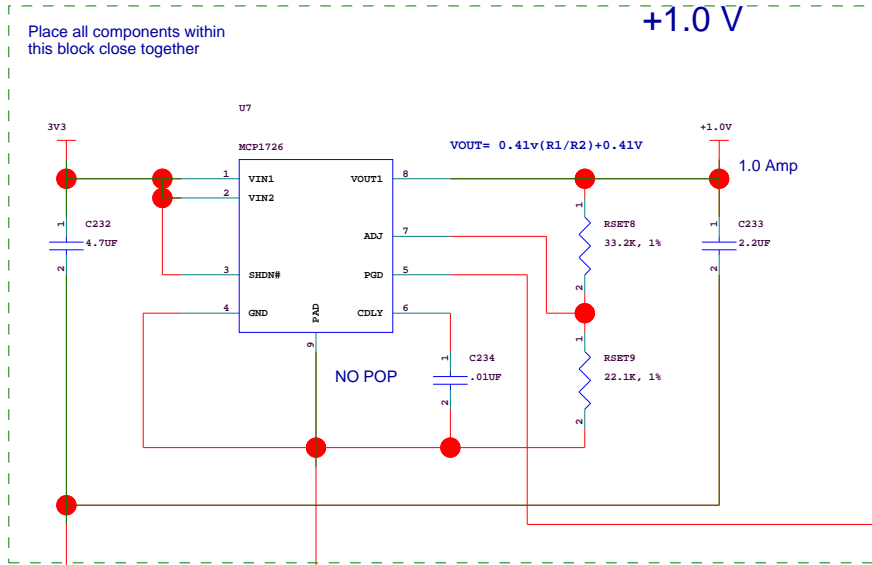
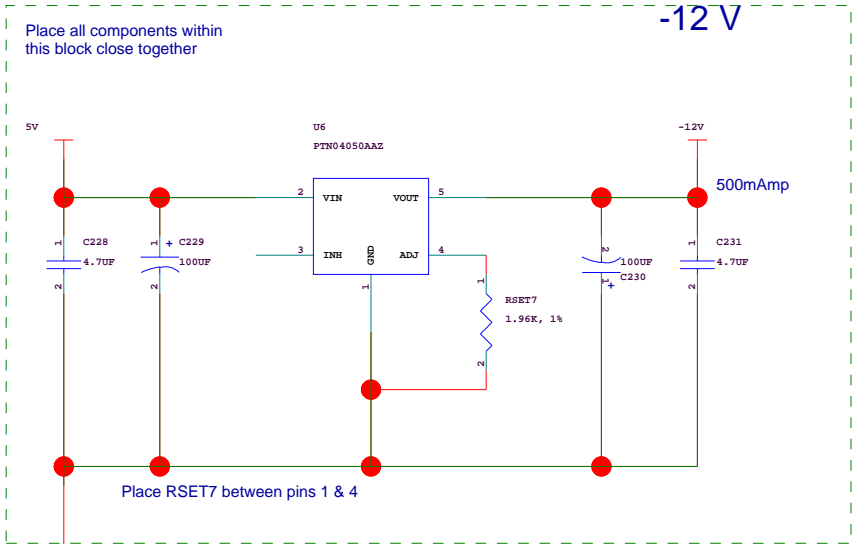
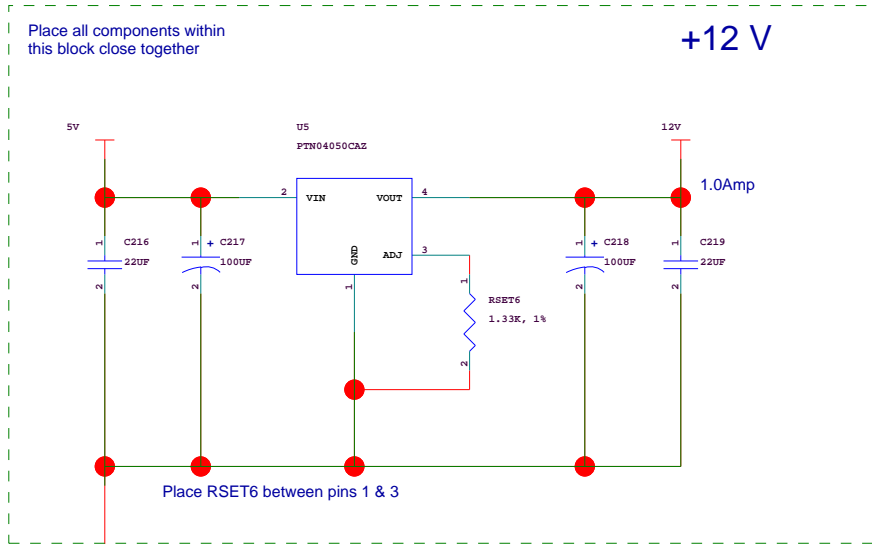
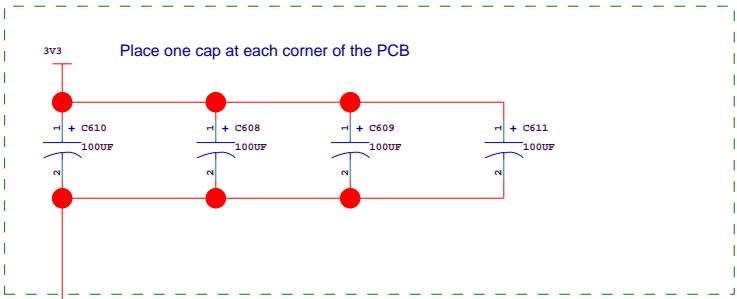
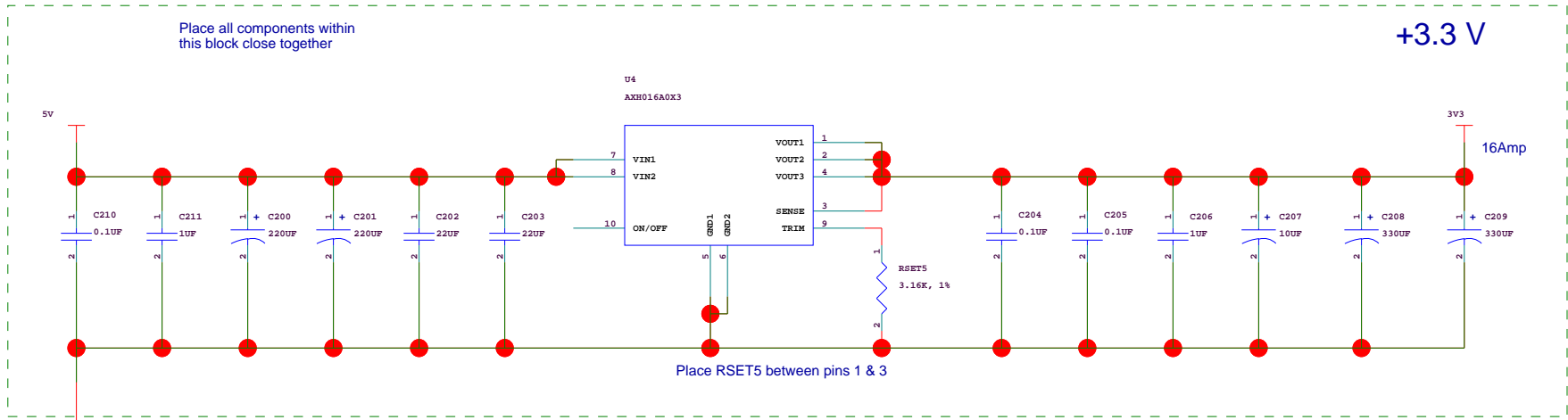
TBD

VALID CONFIGURATION MODES			
Configuration Mode	M[2:0]	Bus Width	CCLK Direction
Master Serial	000	1	Output
Master SPI	001	1	Output
Master BPI-Up	010	8, 16	Output
Master BPI-Down	011	8, 16	Output
Master SelectMAP	100	8, 16	Output
JTAG	101	1	Input (TCK)
Slave SelectMAP	110	8, 16, 32	Input
Slave Serial	111	1	Input



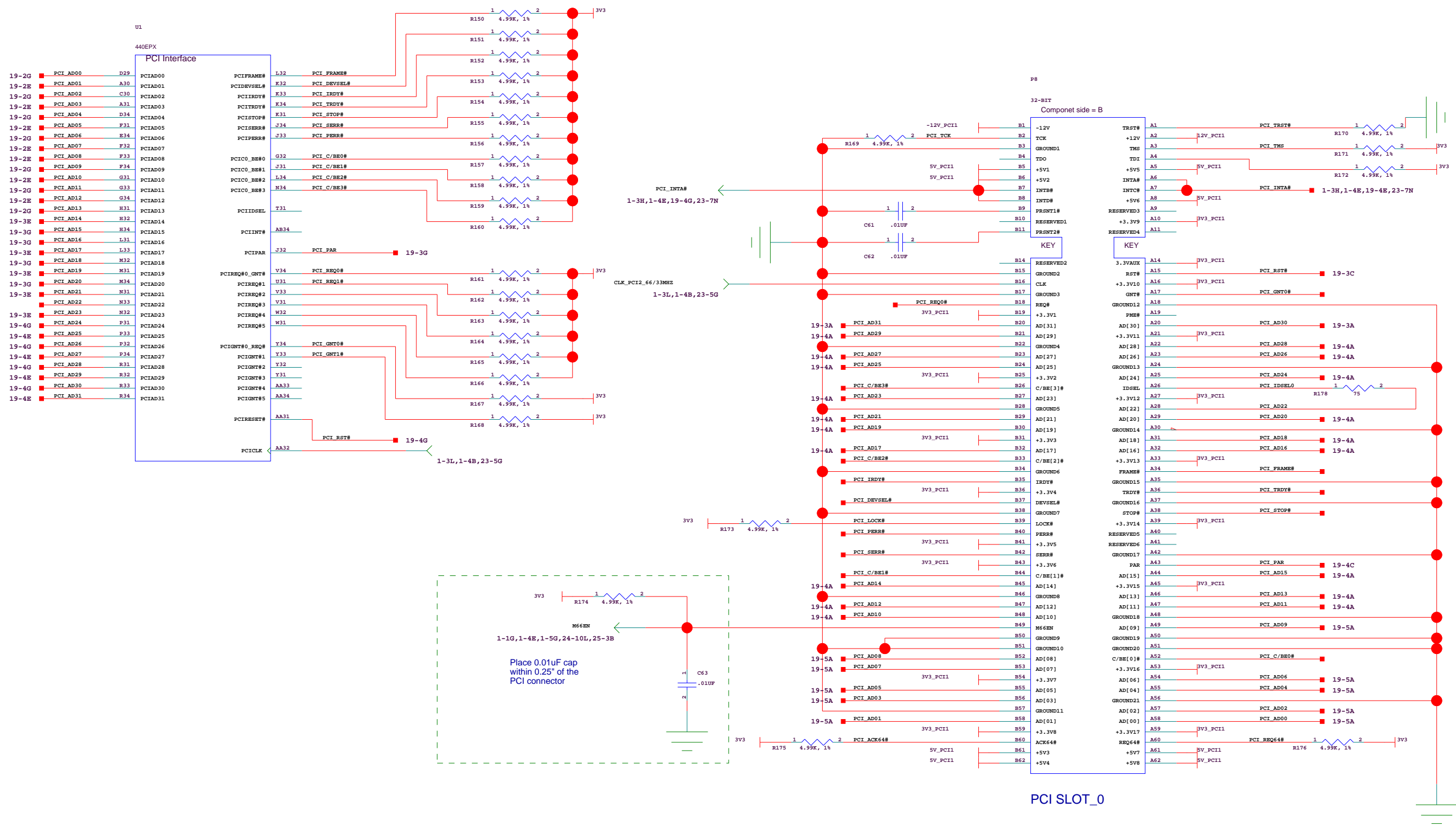
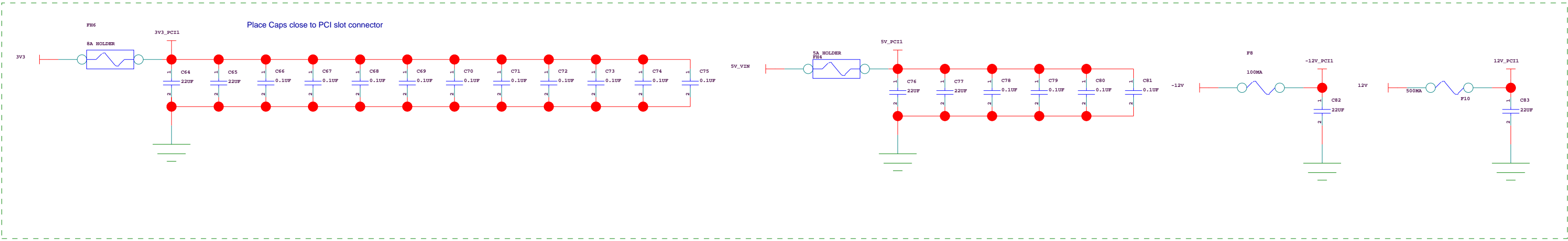
ROACH/iBOB2		ROACH_CONFIG	
COLLABORATORS: CASPER GROUP, UC BERKELEY NRAO, SOCORRO meerKAT, CAPE TOWN http://casper.berkeley.edu/	DOC NO NRF-ADM-XXX-SD-0001		REVISION A
	DESCRIPTION RECONFIGURABLE OPEN ARCHITECTURE HW		
	DRAWN: 10-8-2007_14:44	F KAPP	APPR:
	CHECKED: PATH	E BAUERMEISTER	SHEET 16 OF 25

17 07 2



1-2G,1-3H,1-4D,1-5K,17-3F,23-1G,24-8K

ROACH/iBOB2		ROACH_PPC_POWER_2	
COLLABORATORS: CASPER GROUP, UC BERKELEY NRAO, SOCORRO meerKAT, CAPE TOWN http://casper.berkeley.edu/	DOC NO NRF-ADM-XXX-SD-0001		REVISION A
	DESCRIPTION RECONFIGURABLE OPEN ARCHITECTURE HW		
	DRAWN: F KAPP		APPR:
	CHECKED: E BAUERMEISTER		SHEET 18 OF 25
10-8-2007_14:44			
PATH	PATH		

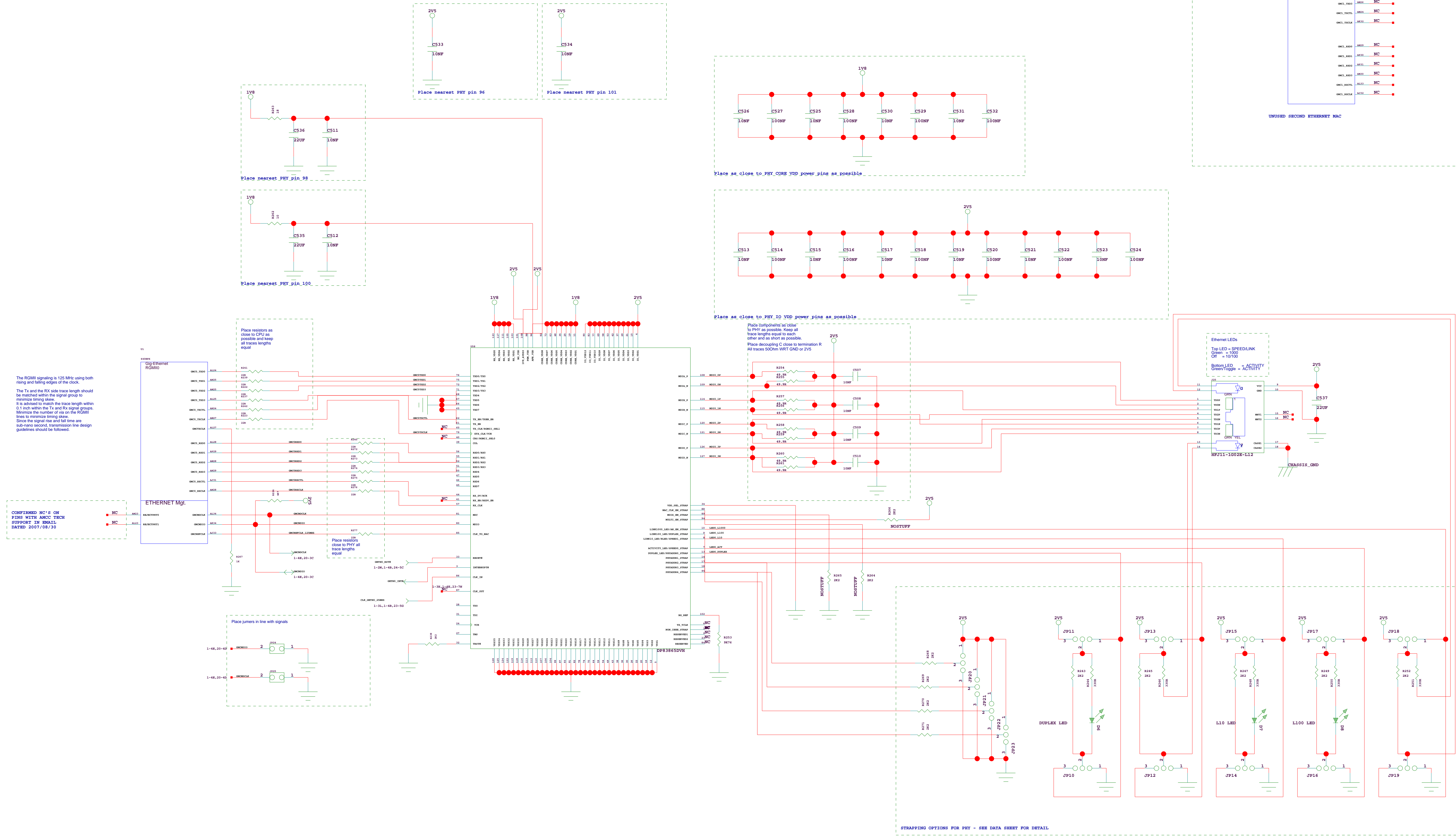


PCI SLOT_0

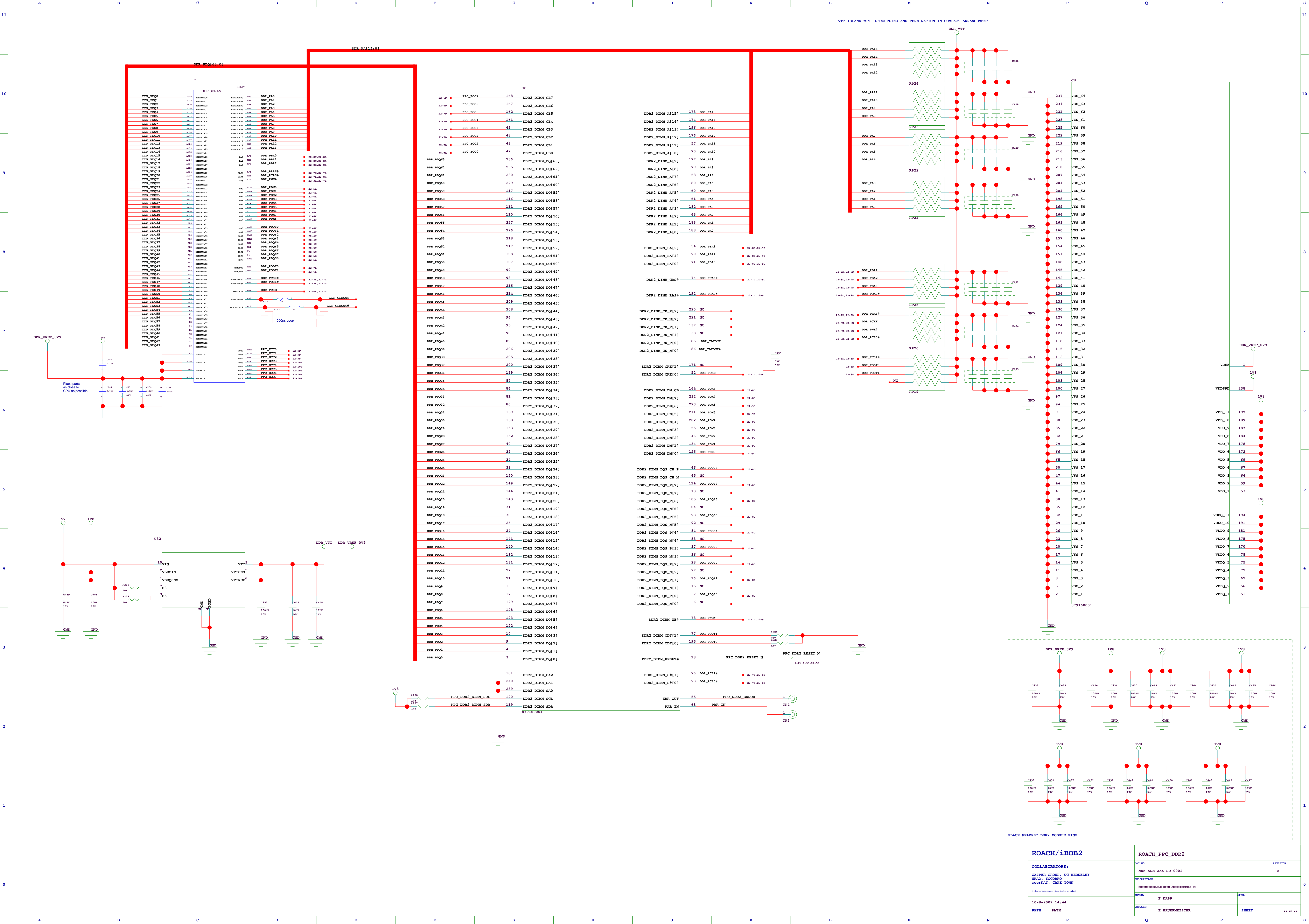
Include silkscreen text:
"SUPPORTS 3V3 IO ONLY"

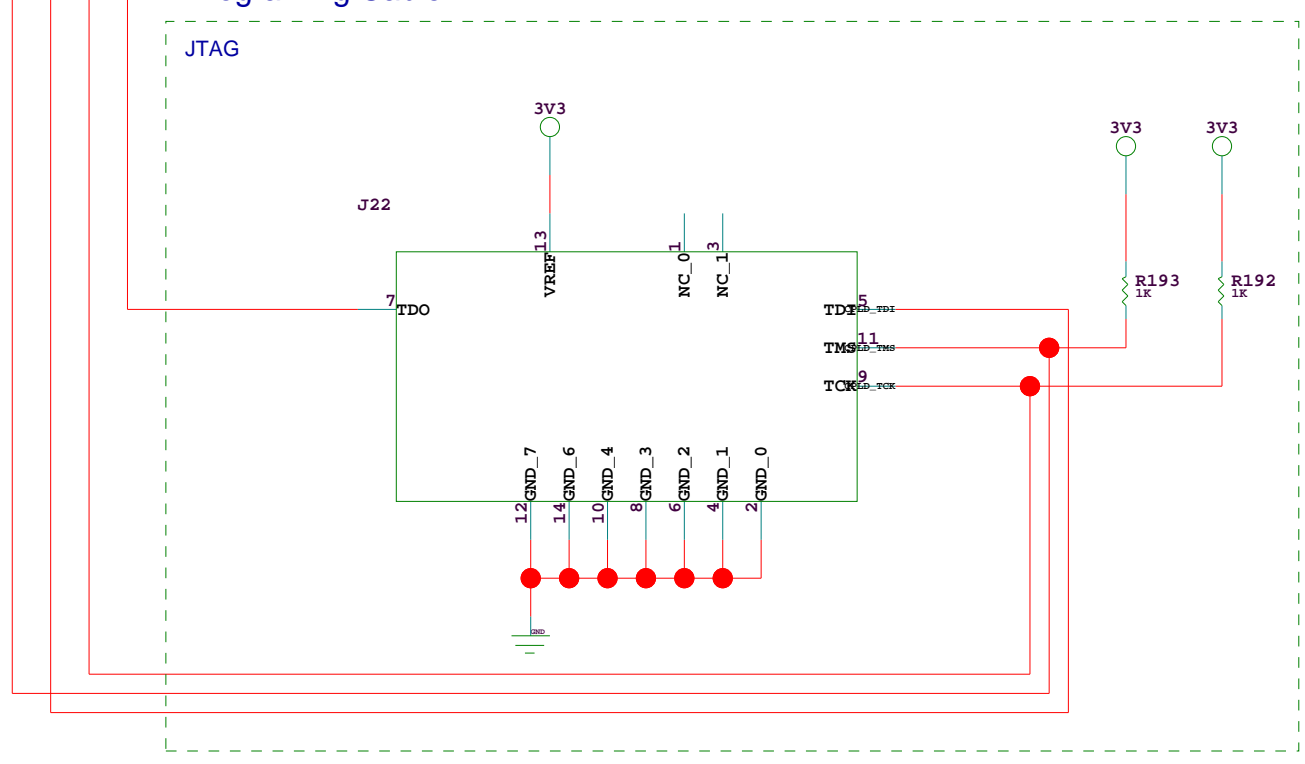
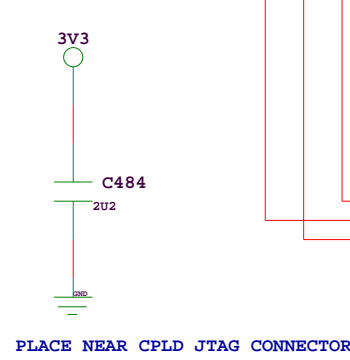
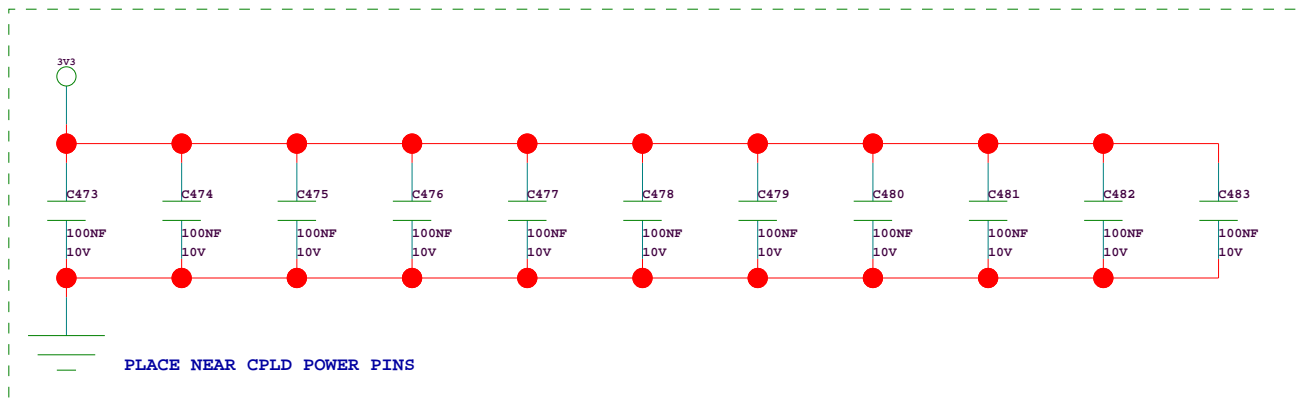
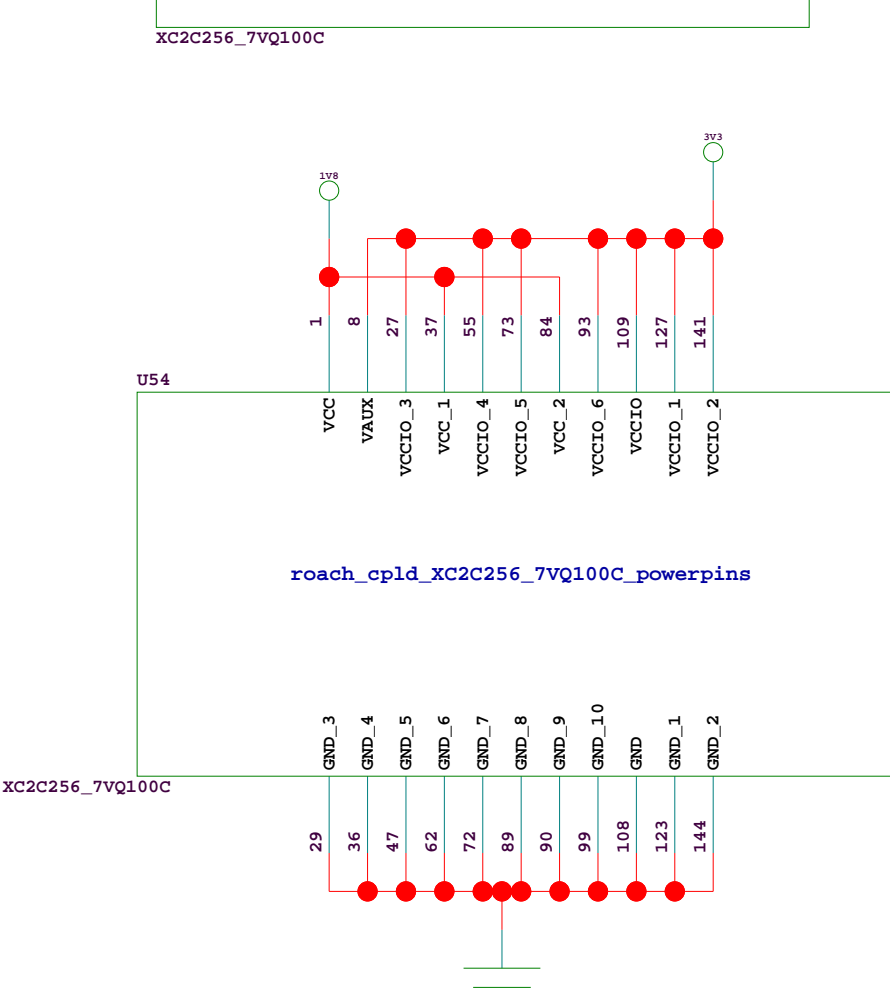
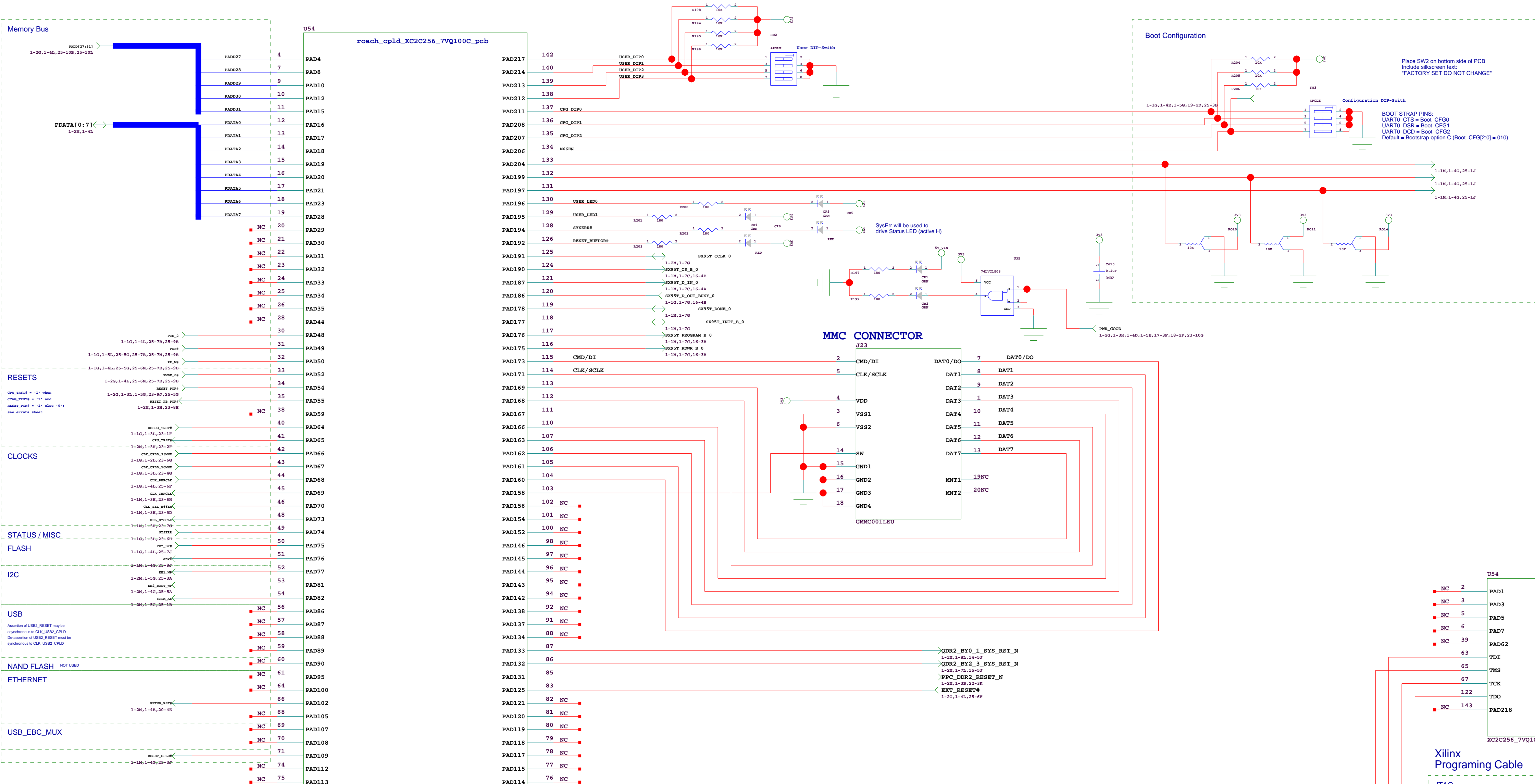
Optional PRSNT signals are not used, max 25W is available		
PRSNT1#	PRSNT2#	Expansion Configuration
Open	Open	No expansion board present
Ground	Open	Expansion board present, 25 W maximum
Open	Ground	Expansion board present, 15 W maximum
Ground	Ground	Expansion board present, 7.5 W maximum

ROACH/iBOB2		ROACH_PPC_PCI	
COLLABORATORS: CASPER GROUP, UC BERKELEY NRAO, SOCCORRO meerKAT, CAPE TOWN http://casper.berkeley.edu/		DOC NO NRF-ADM-XXX-SD-0001	REVISION A
		DESCRIPTION RECONFIGURABLE OPEN ARCHITECTURE HW	
10-8-2007_14:44		DRAWN: F KAPP	APPR:
PATH PATH		CHECKED: E BAUERMEISTER	SHEET 19 OF 25



ROACH/iBOB2		ROACH_PPC_ETH1	
COLLABORATORS:		DOC NO	REVISION
CAPSER GROUP, UG BEKKLEY NRAD, SOCORO MESA/STAT, CAPS TOWN		NRP-ADM-KXX-GD-0001	A
		DESCRIPTION	
		RECONFIGURABLE OPEN ARCHITECTURE HW	
http://capsgr.lbnkley.edu/		ISSUED:	APPRO:
10-8-2007_14:44		F KAPP	
PATH PATH		CHECKED: E BAUERMEISTER	SHEET
			20 OF 2





ROACH/iBOE2				ROACH_PPC_CPLD			
COLLABORATORS: CASPER GROUP, UC BERKELEY NRAO, SOONERO BaeKAT, CAPE TOWN http://casper.berkeley.edu/				DOC NO: NRF-ADM-XXX-BD-0001		REVISION: A	
				DESCRIPTION: RECONFIGURABLE OPEN ARCHITECTURE HW			
10-8-2007 14:44				DRAWN: F KAPP		APPV:	
PATH		PATH		CHECKED: E BAUERMEISTER		SHEET	
						24 OF 25	

