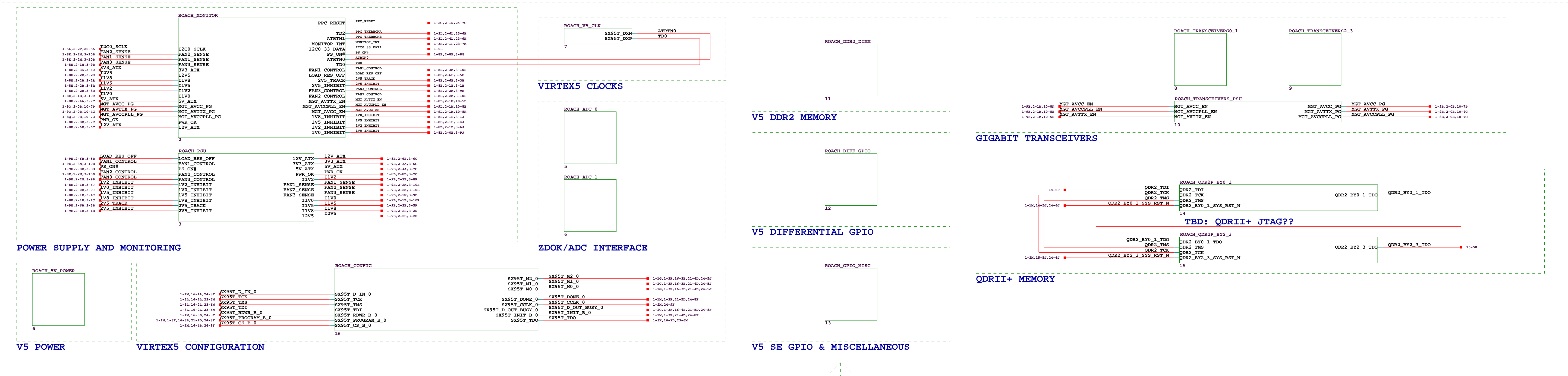


VIRTEX5

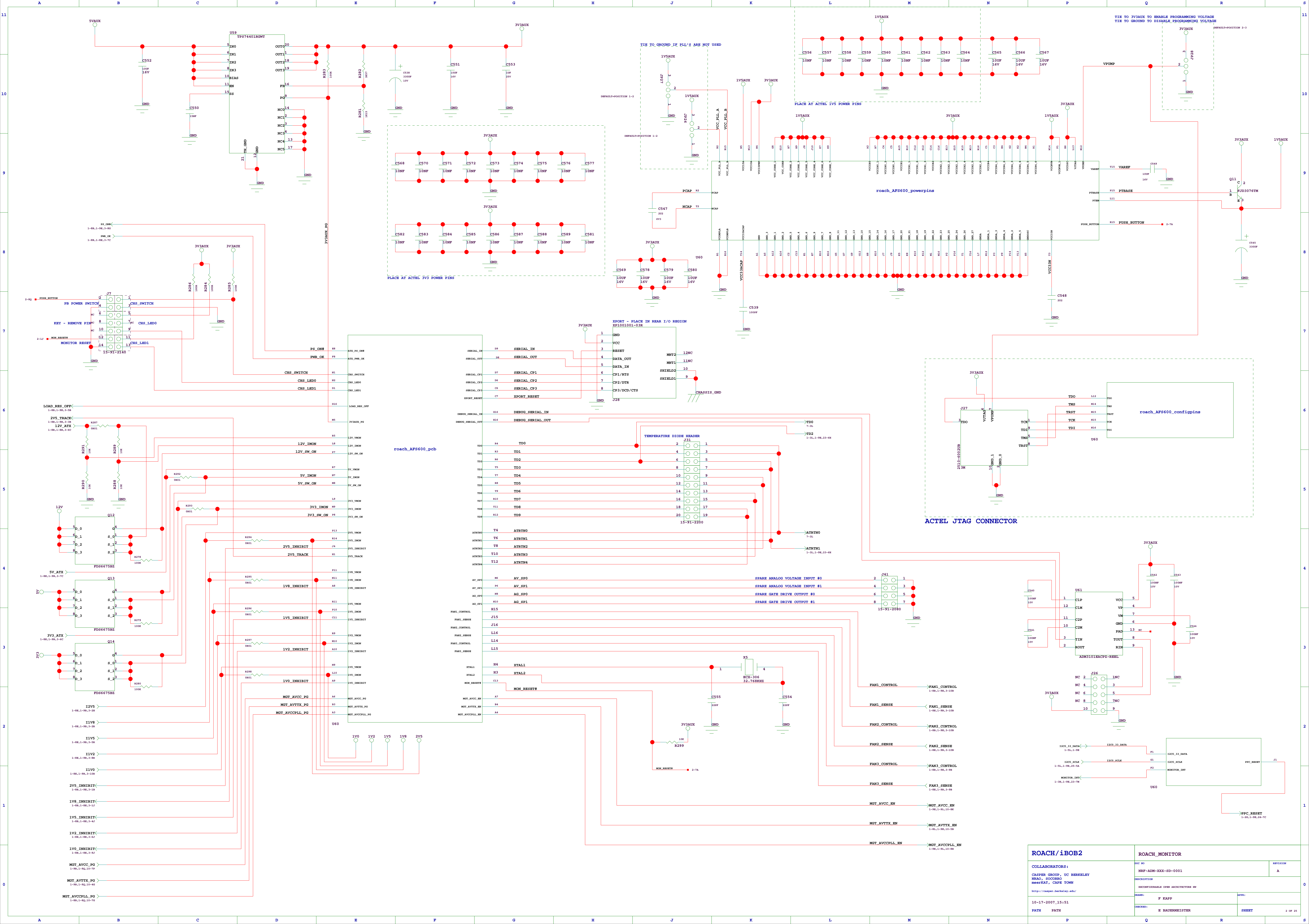


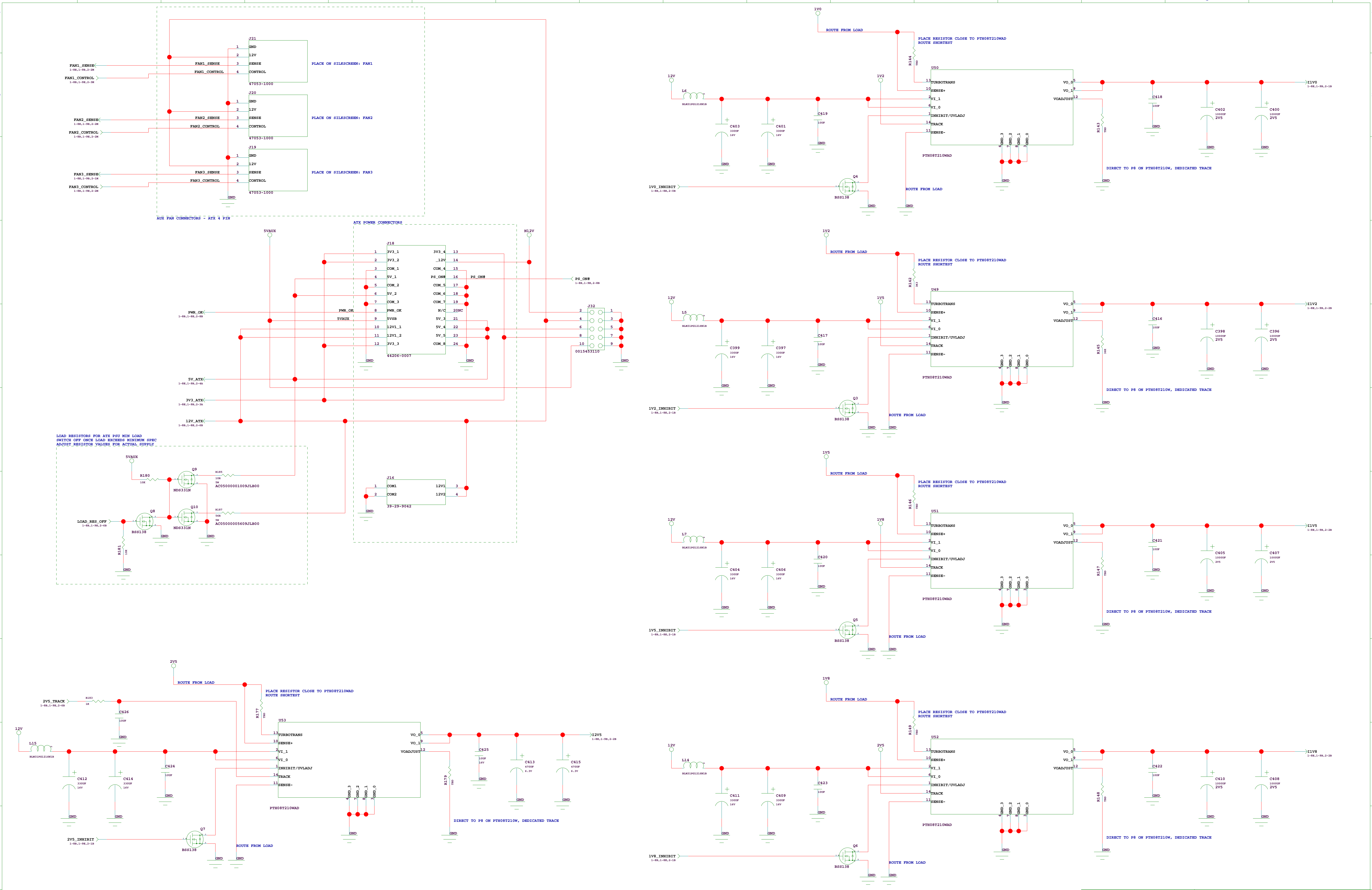
PPC



CONTRIBUTORS

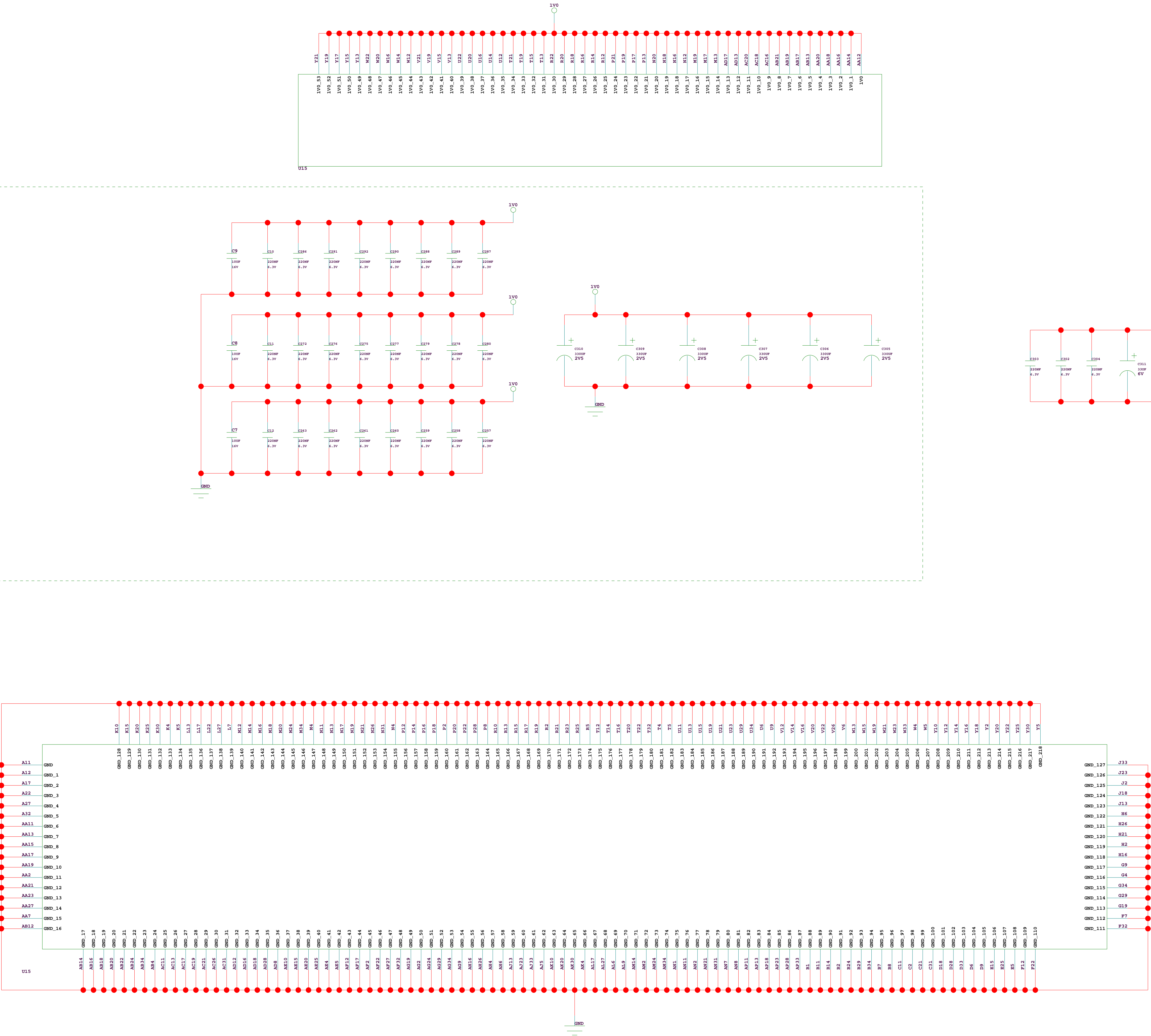
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COLLABORATORS:		DOC NO	REVISION
CASPER GROUP, UC BERKELEY ROAD, SPOCONO MERCAT, CAPE TOWN		NEP-ADM-XXX-ED-0001	A
http://casper.berkeley.edu/		2002072708	
		RECONFIGURABLE OPEN ARCHITECTURE HW	
10-17-2007-15:51		ISSUED:	APP:
PATH	PATH	F KAPP	SHIRT
		F BAUMMEISTER	1 OF 1





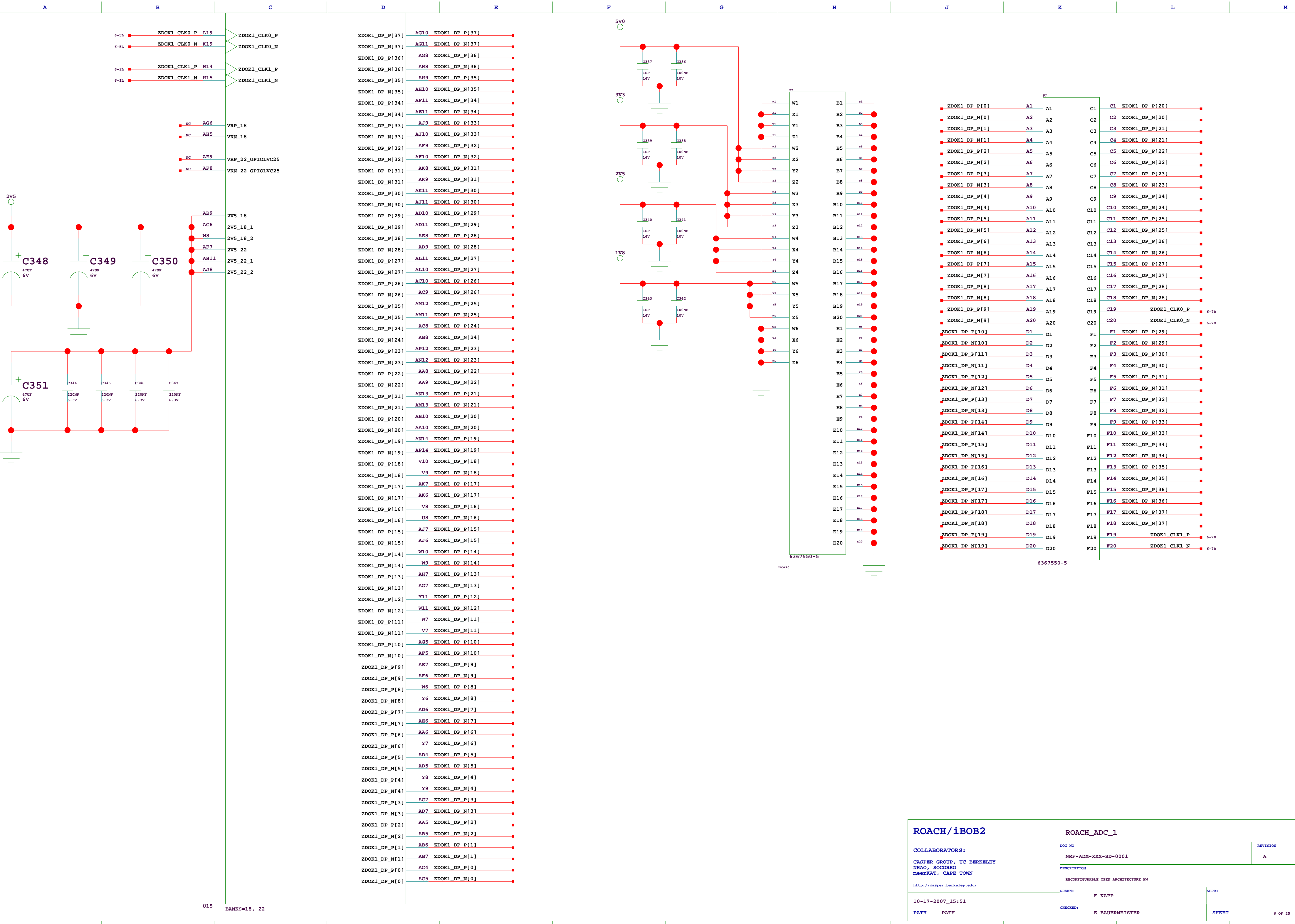
ADJUSTMENT AND T2 RESISTOR VALUES TBD
SOURCE VOLTAGES TO BE SELECTED

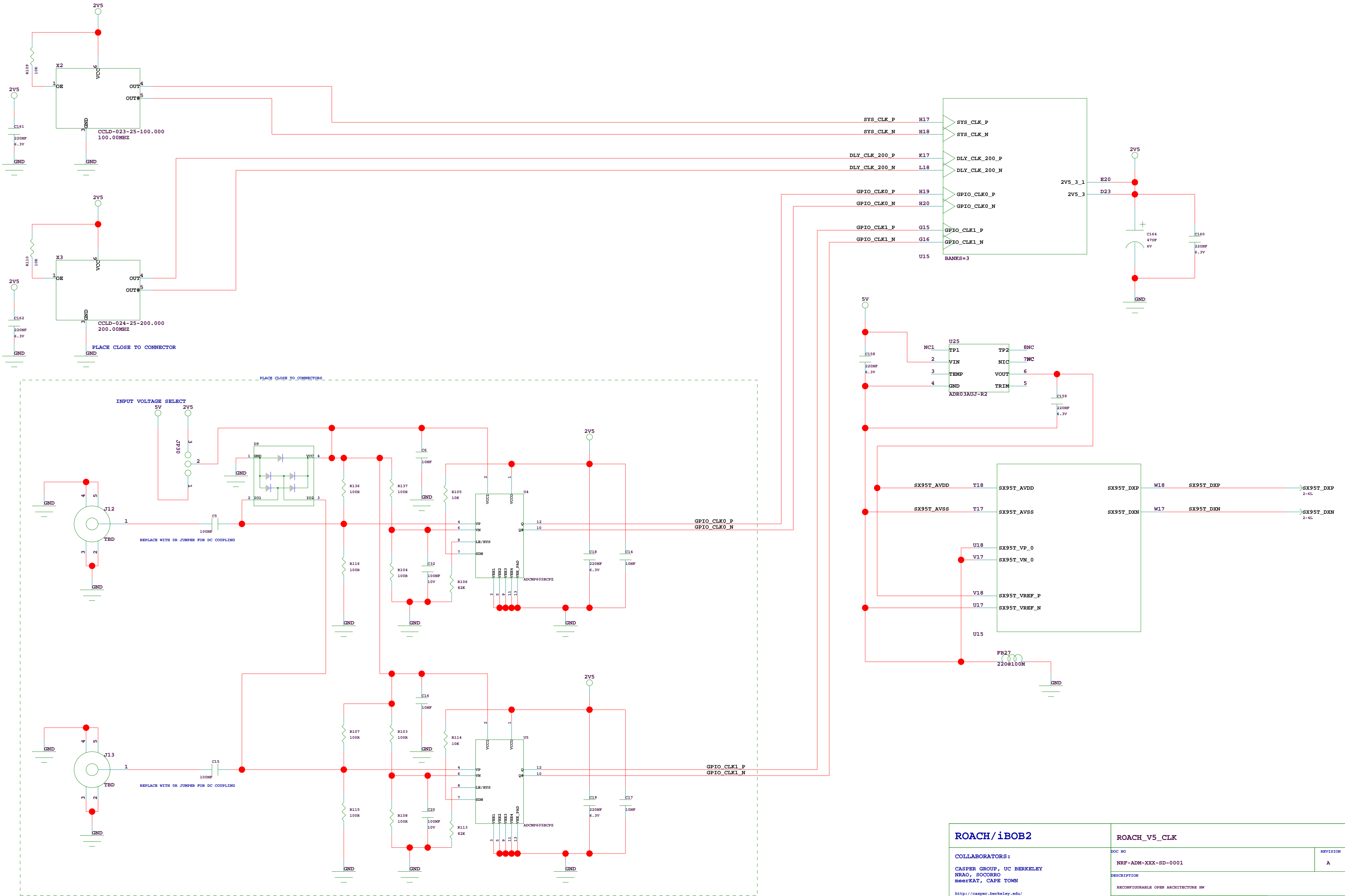
ROACH/iBOB2		ROACH_PSU	
COLLABORATORS:		DOC NO	REVISION
CASPER GROUP, UC BERKELEY		NRF-ADM-XXX-BD-0001	A
NRAO, SOONERO		DESCRIPTION	
BARRAT, CAPE TOWN		RECONFIGURABLE OPEN ARCHITECTURE HW	
http://casper.berkeley.edu/		DRAWN:	APPD:
10-17-2007_15:51		F KAPP	
PATH	PATH	CHECKED:	SHEET
		R BAUERNISTE	3 OF 25



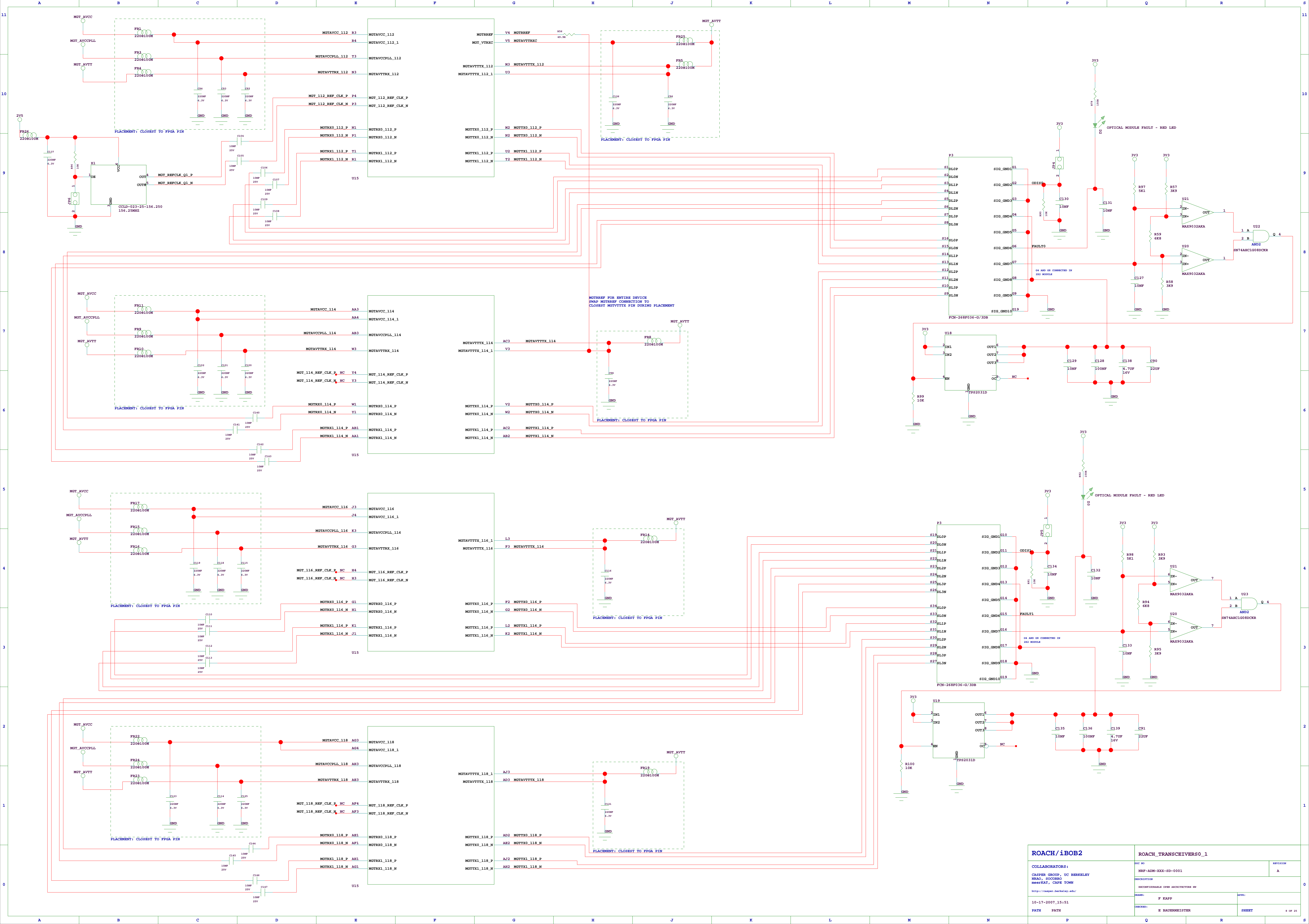
ROACH/iBOE2		ROACH_5V_POWER	
COLLABORATORS: CASPER GROUP, UC BERKELEY NRAO, SOCCORRO BHEERAT, CAPE TOWN http://casper.berkeley.edu/ 10-17-2007_15:51	DOC NO: NRF-ADM-XXX-SD-0001		REVISION: A
	DESCRIPTION: RECONFIGURABLE OPEN ARCHITECTURE HW		
	DRAWN: F KAPP		UPPER:
	CHECKED: R BAUERMBIESTER		SHEET 4 OF 25
PATH		PATH	



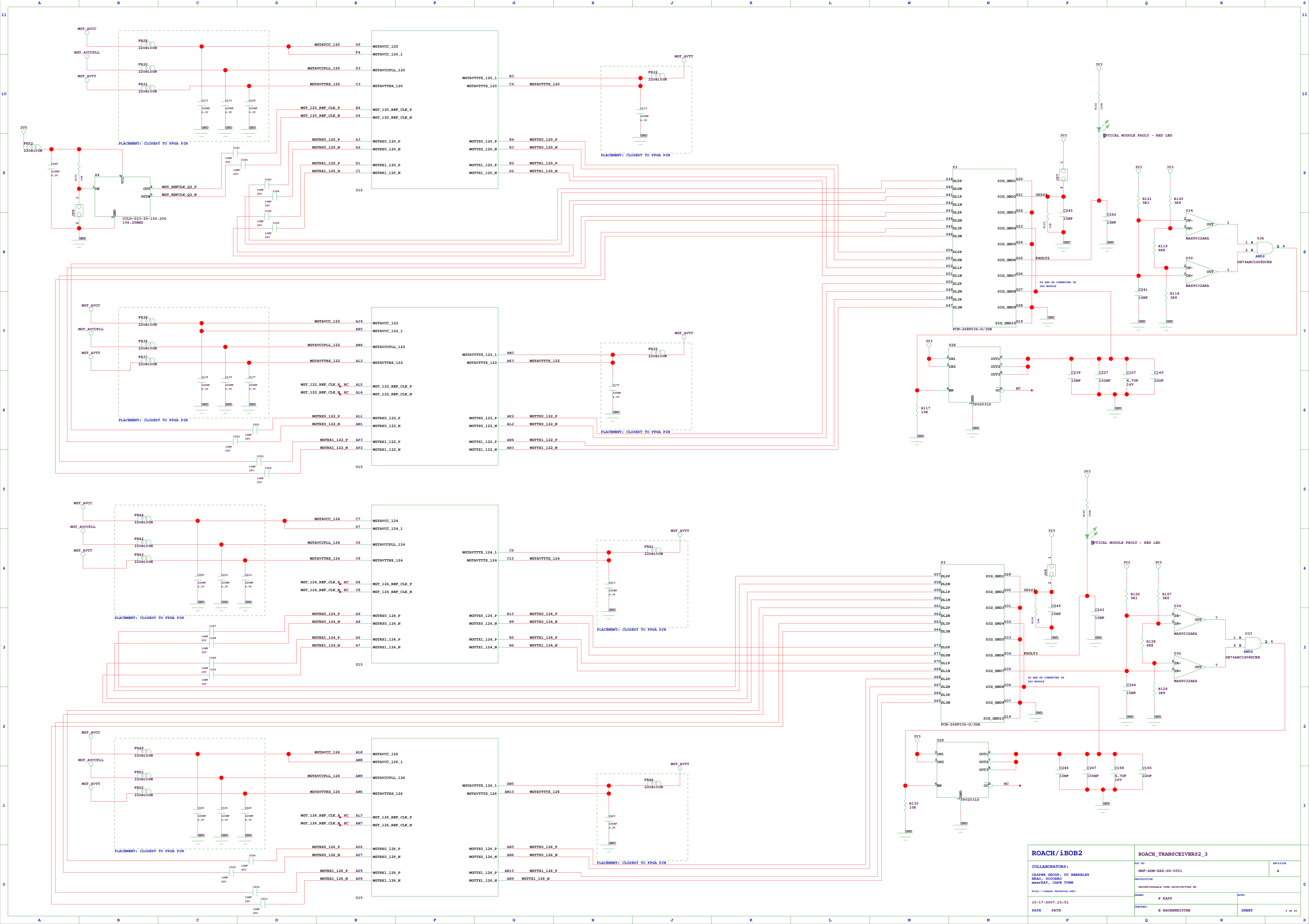


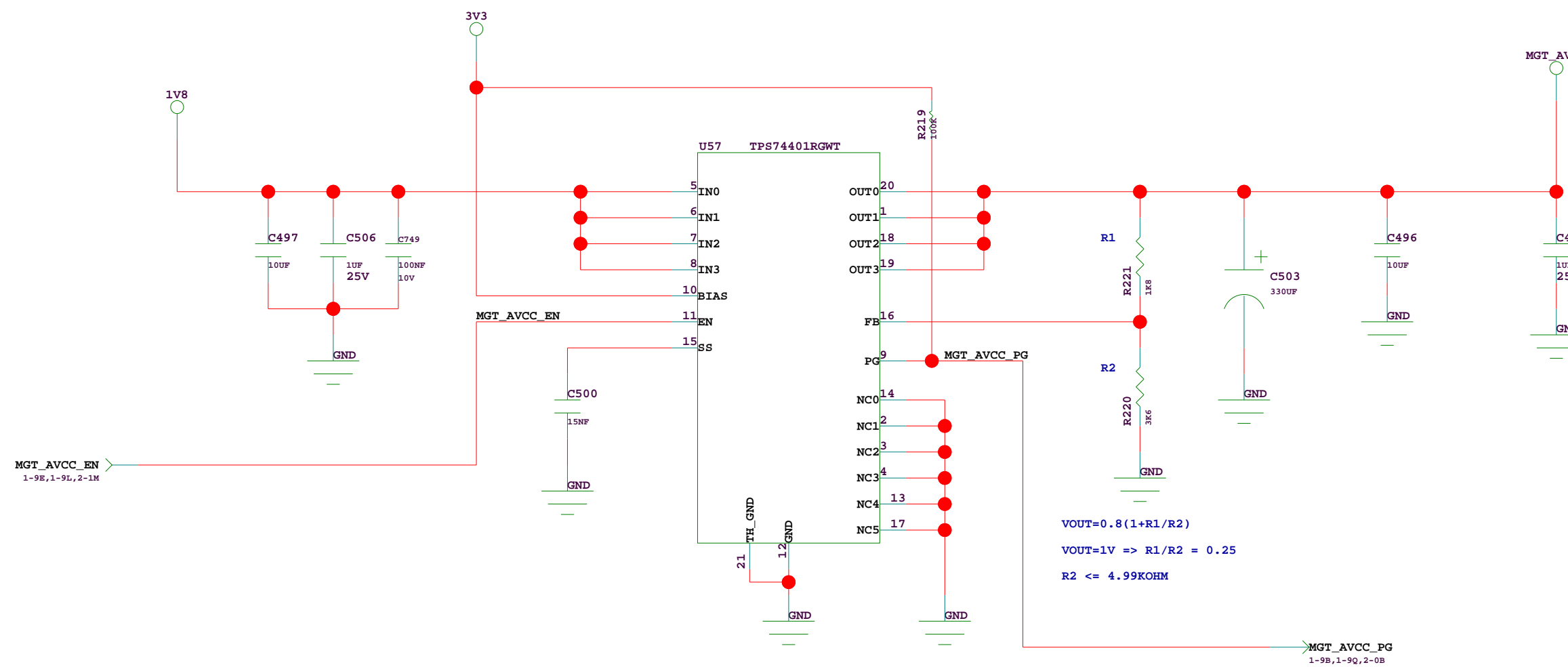
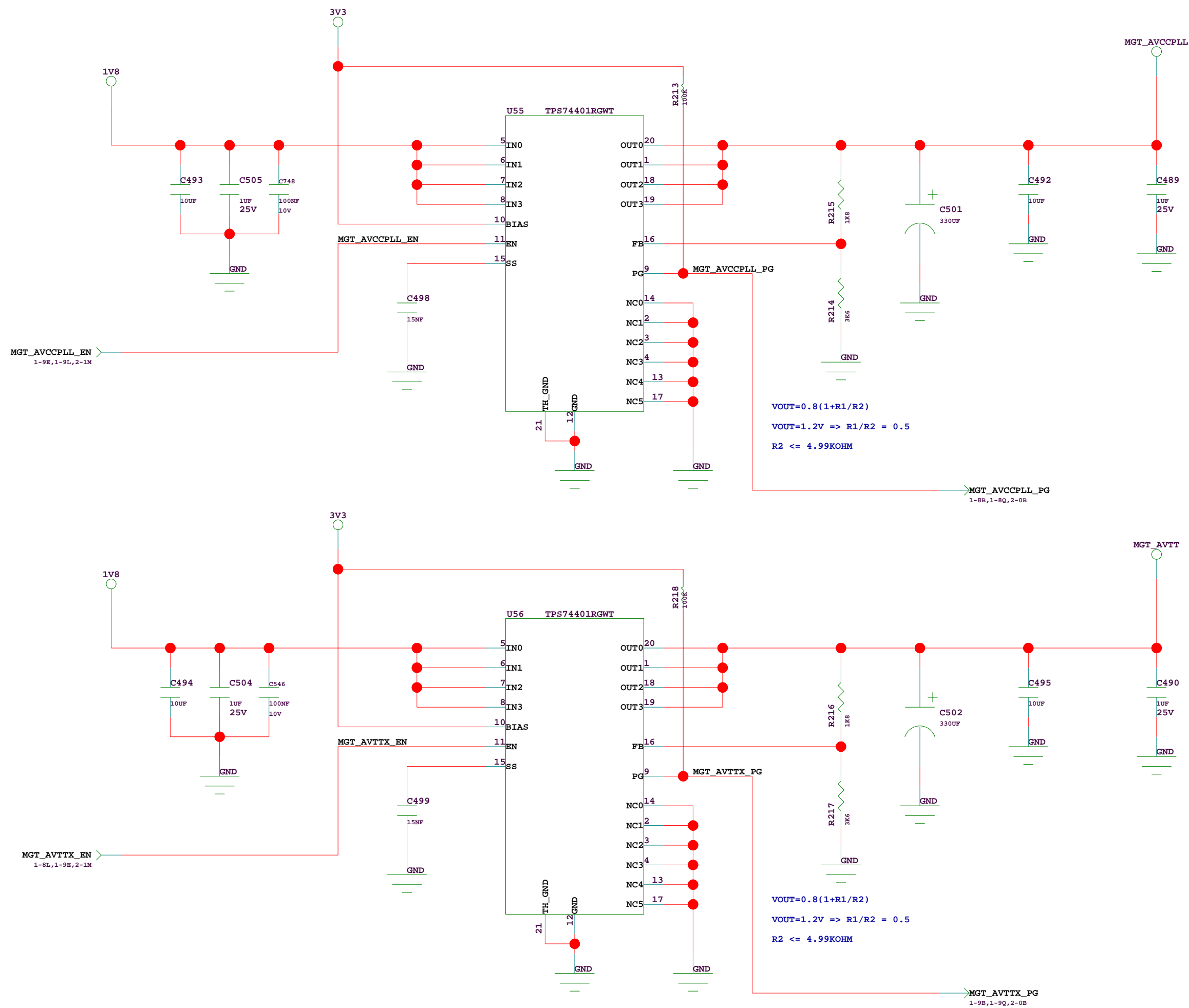


ROACH/iBOB2		ROACH_V5_CLK	
COLLABORATORS: CASPER GROUP, UC BERKELEY NRAO, SOCORRO meerKAT, CAPE TOWN http://casper.berkeley.edu/		DOC NO: NRF-ADM-XXX-SD-0001	REVISION: A
10-17-2007_15:51		DESCRIPTION: RECONFIGURABLE OPEN ARCHITECTURE HW	
PATH PATH		DRAWN: F KAPP	APPR: E BAUERMEISTER
		CHECKED: E BAUERMEISTER	SHEET 7 OF 25

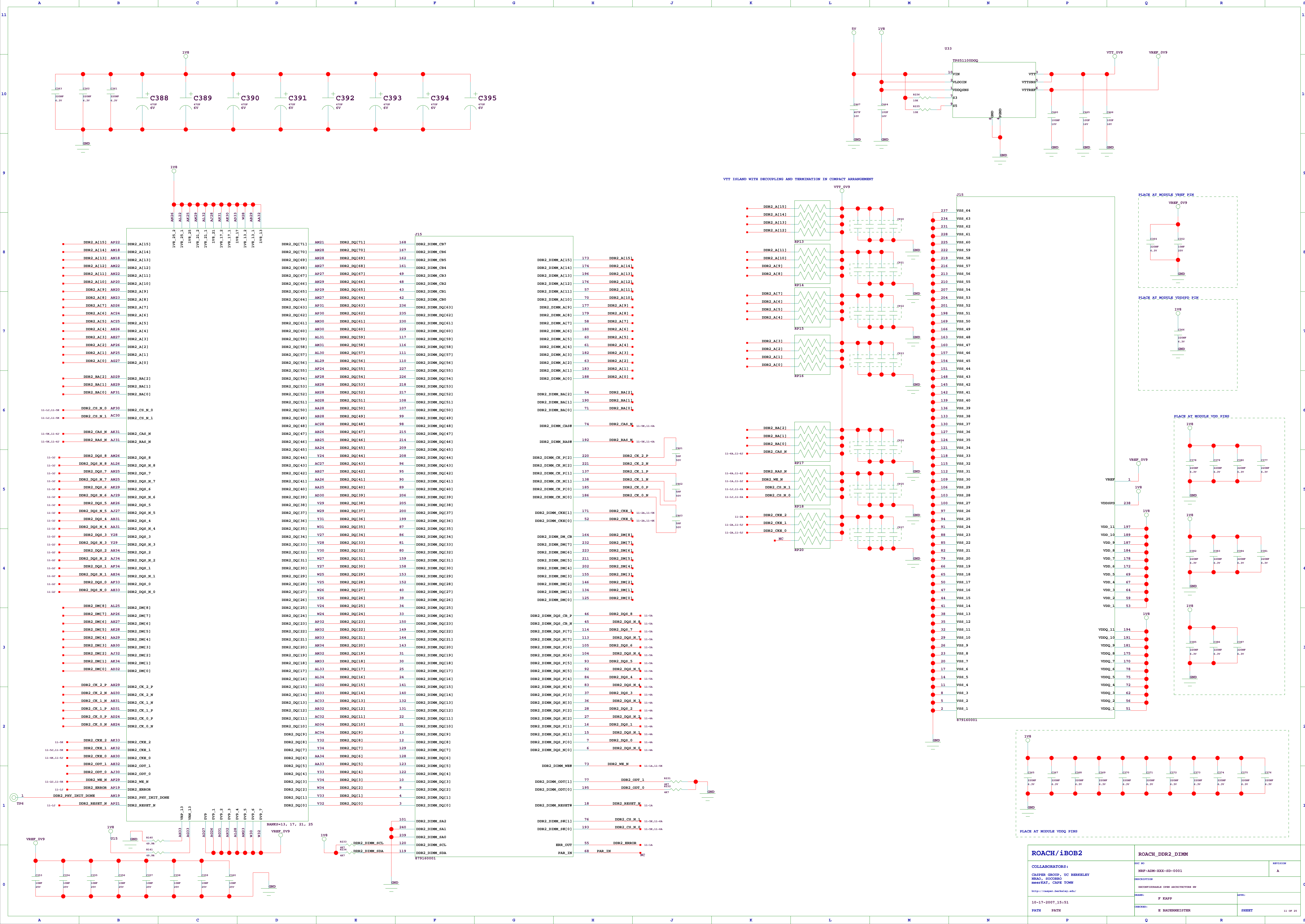


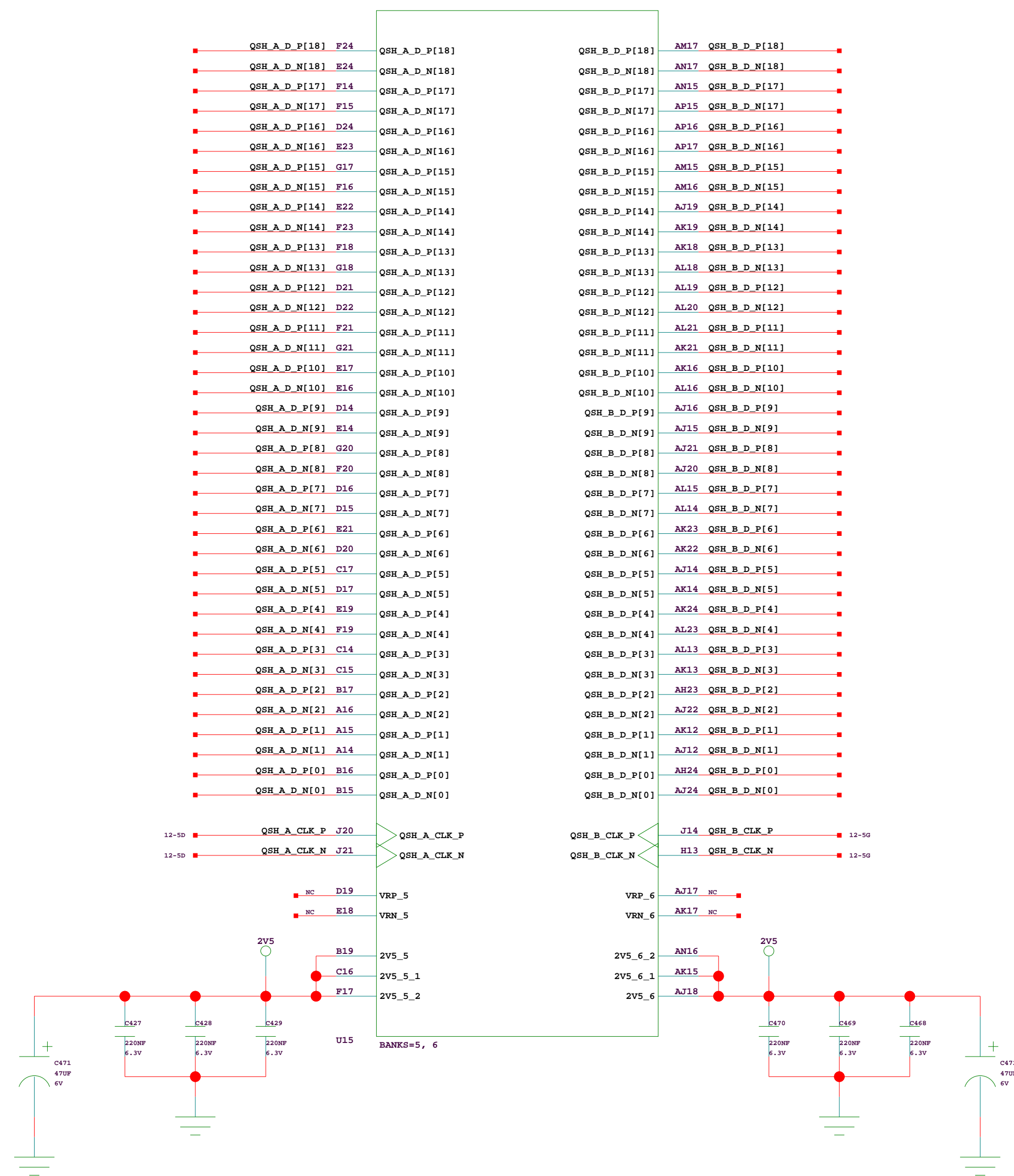
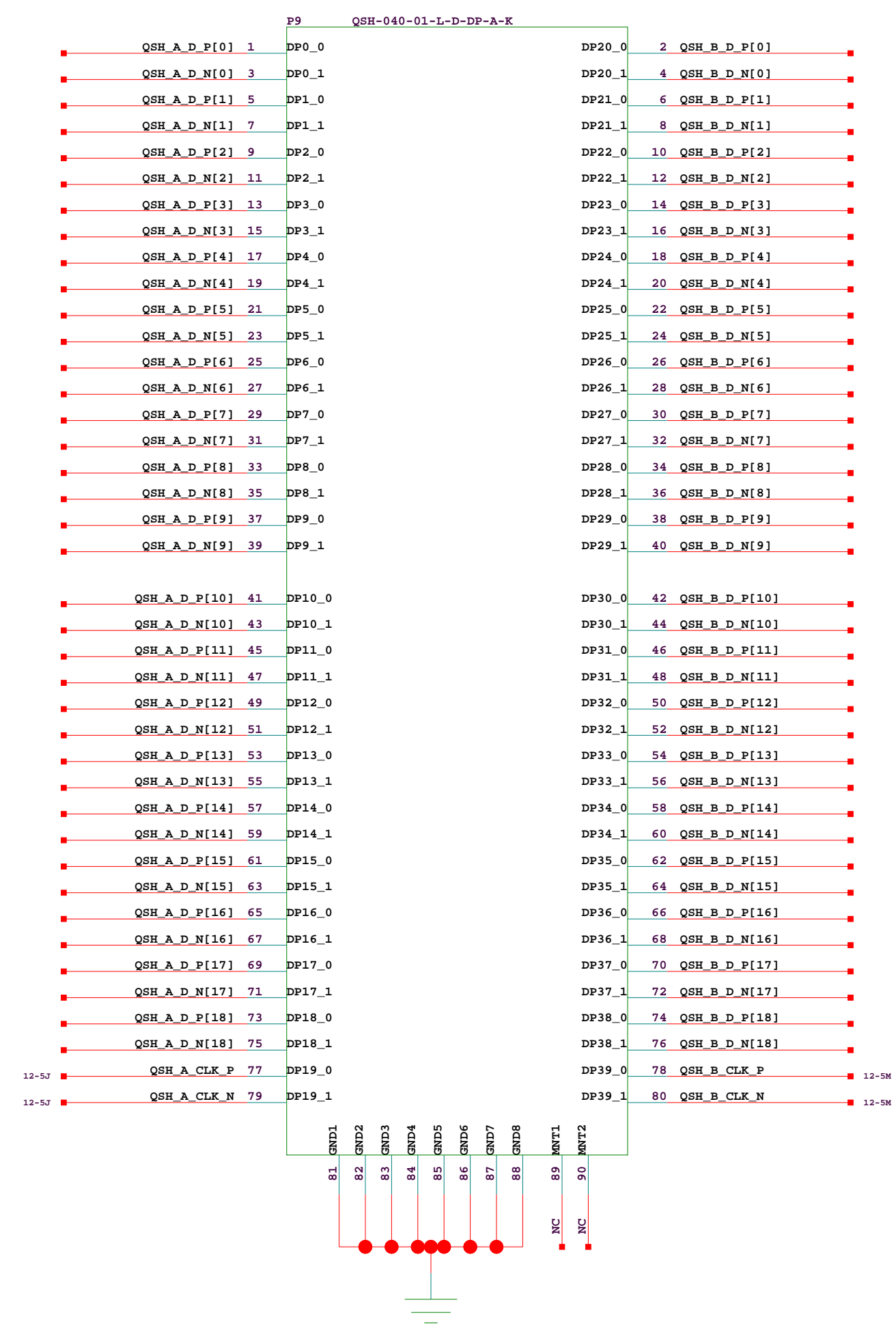
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COLLABORATORS:		DOC NO:	REV/ISSN:
CASPER GROUP, UC BERKELEY		NRP-ADM-XXX-BD-0001	A
NRAD, SOCOBRO		DESCRIPTION:	
BARRAT, CAPE TOWN		RECONFIGURABLE OPEN ARCHITECTURE HW	
http://casper.berkeley.edu/		ISSN:	ISSN:
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		R BAUERMEISTER	



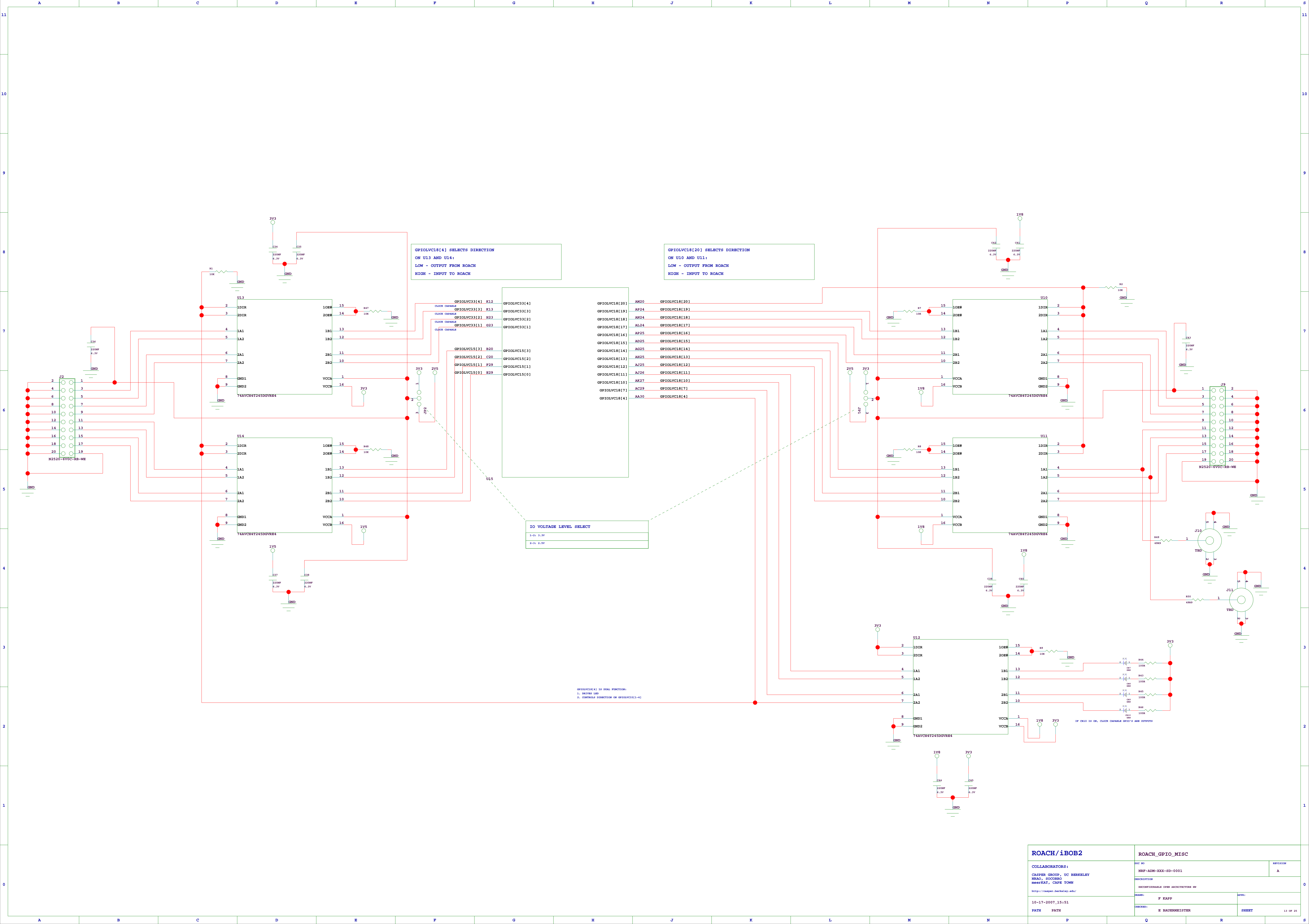


ROACH/iBOE2		ROACH_TRANSCEIVERS_PSU	
COLLABORATORS:		DOC NO	REVISION
CASPER GROUP, UC BERKELEY		NRF-ADM-XXX-BD-0001	A
NRAU, SCOCORO		DESCRIPTION	
BOERAT, CAPE TOWN		RECONFIGURABLE OPEN ARCHITECTURE HW	
http://casper.berkeley.edu/		DRN:	APP:
10-17-2007_15:51		F KAPP	
PATH	PATH	CHECKED: E BAUERMEISTER	SHEET 10 OF 2

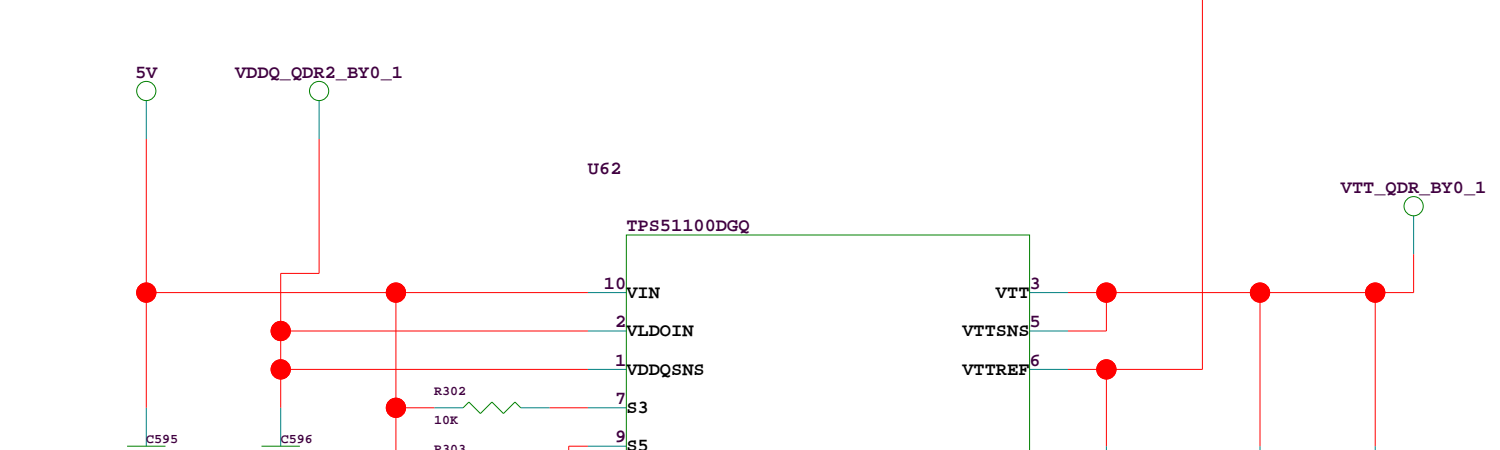
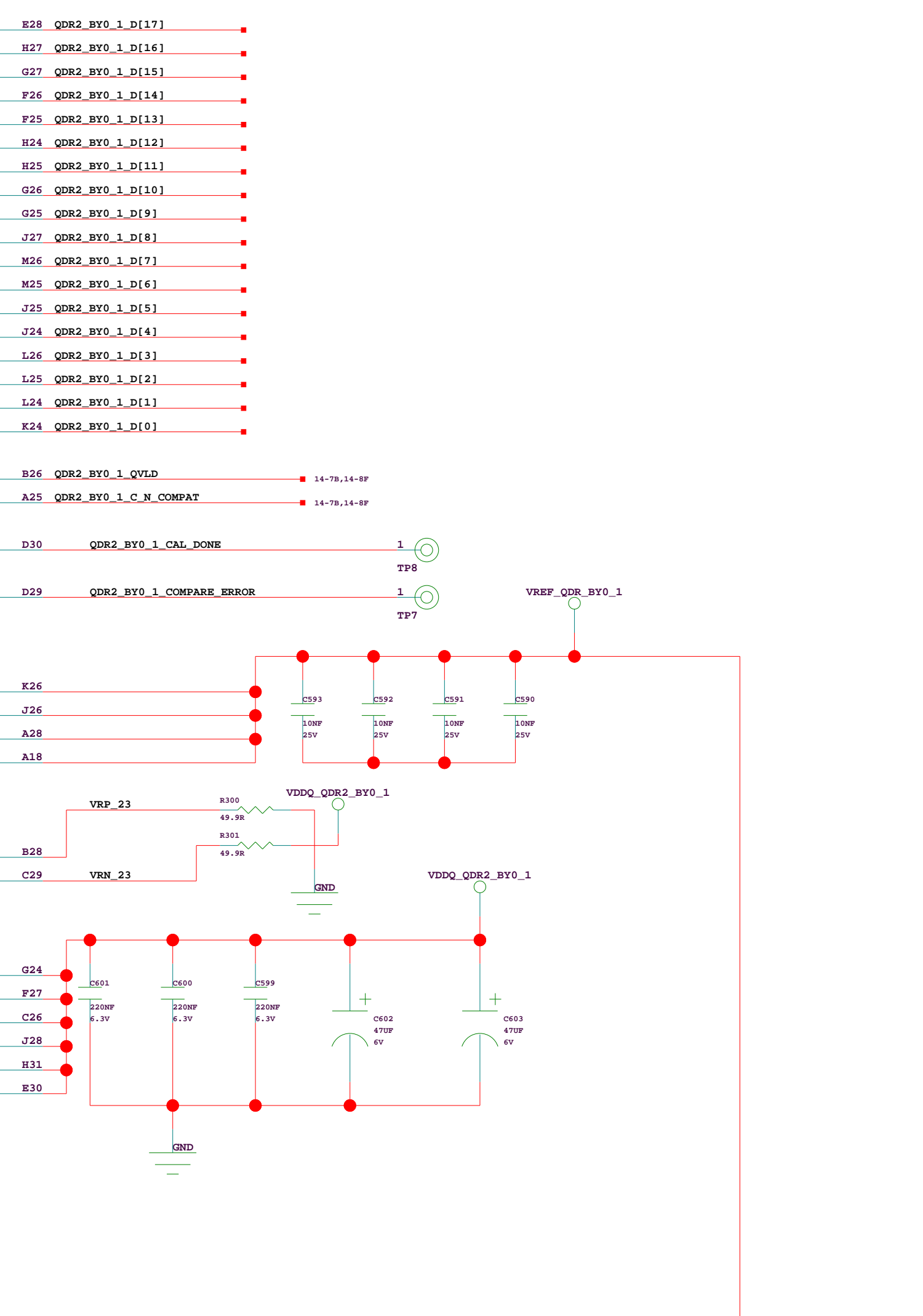
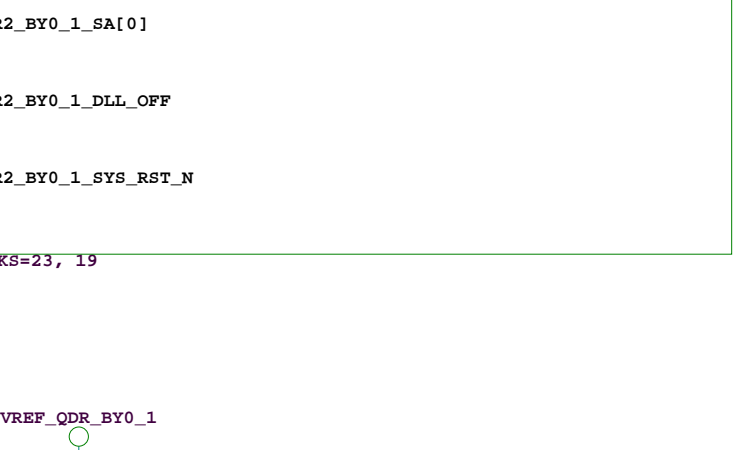
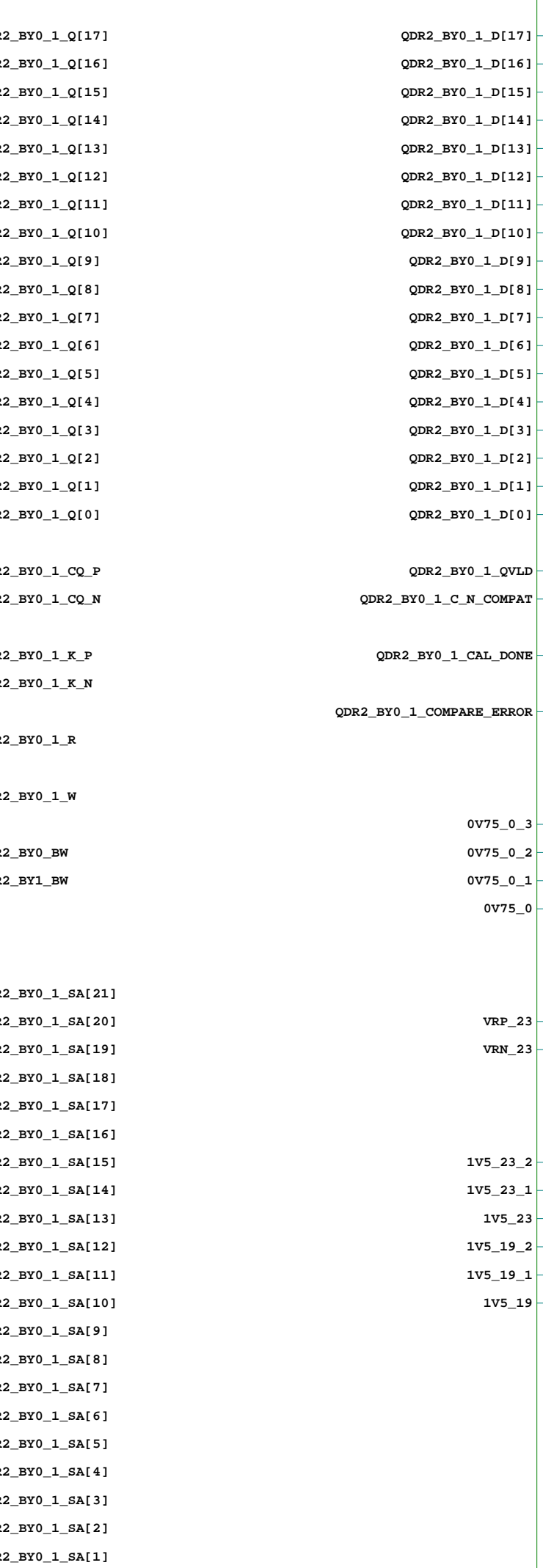
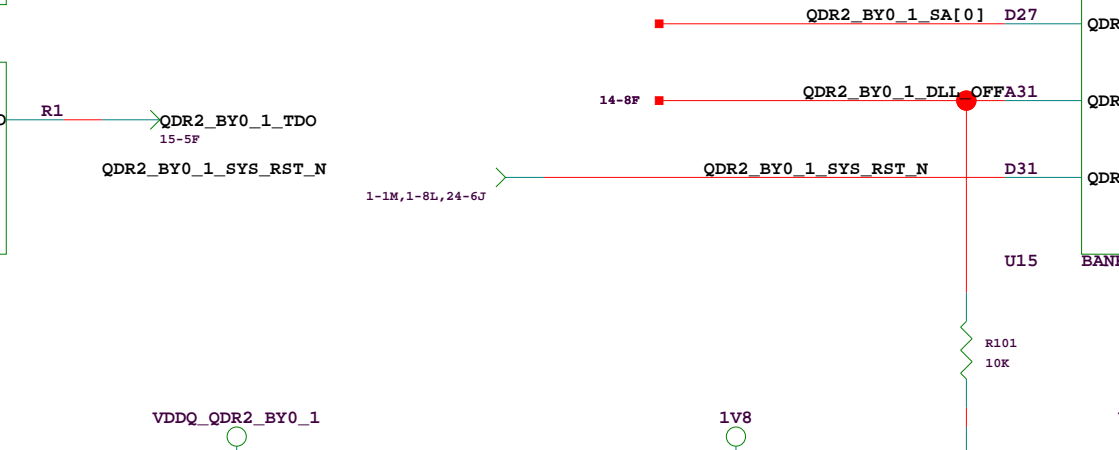
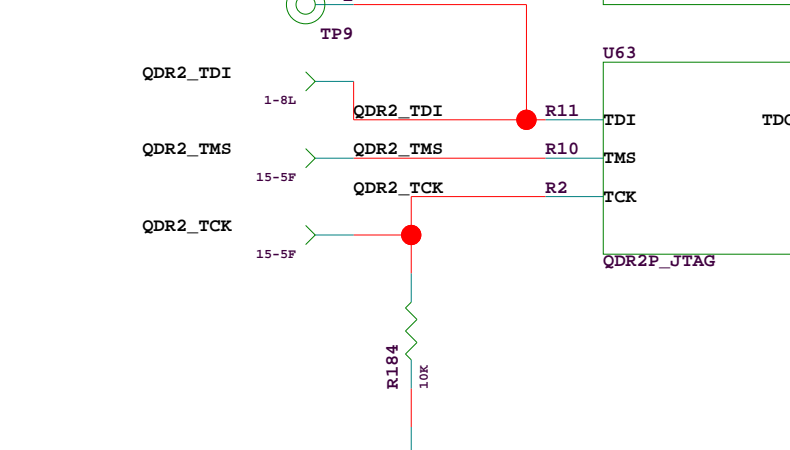
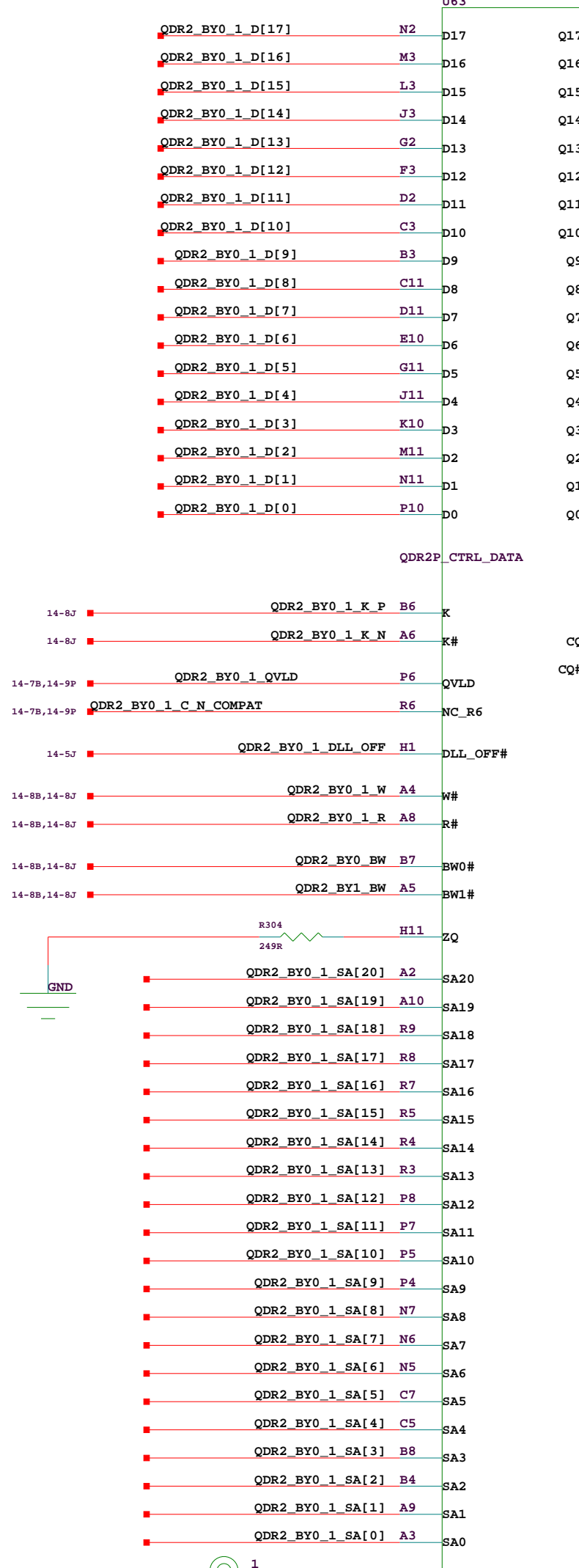
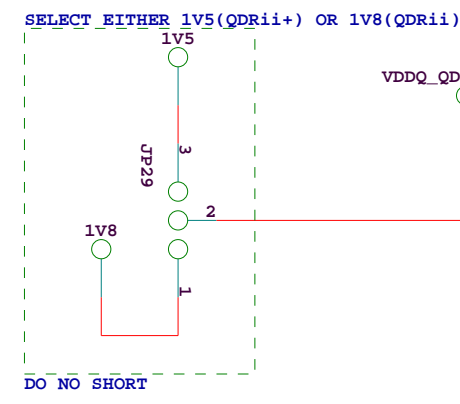
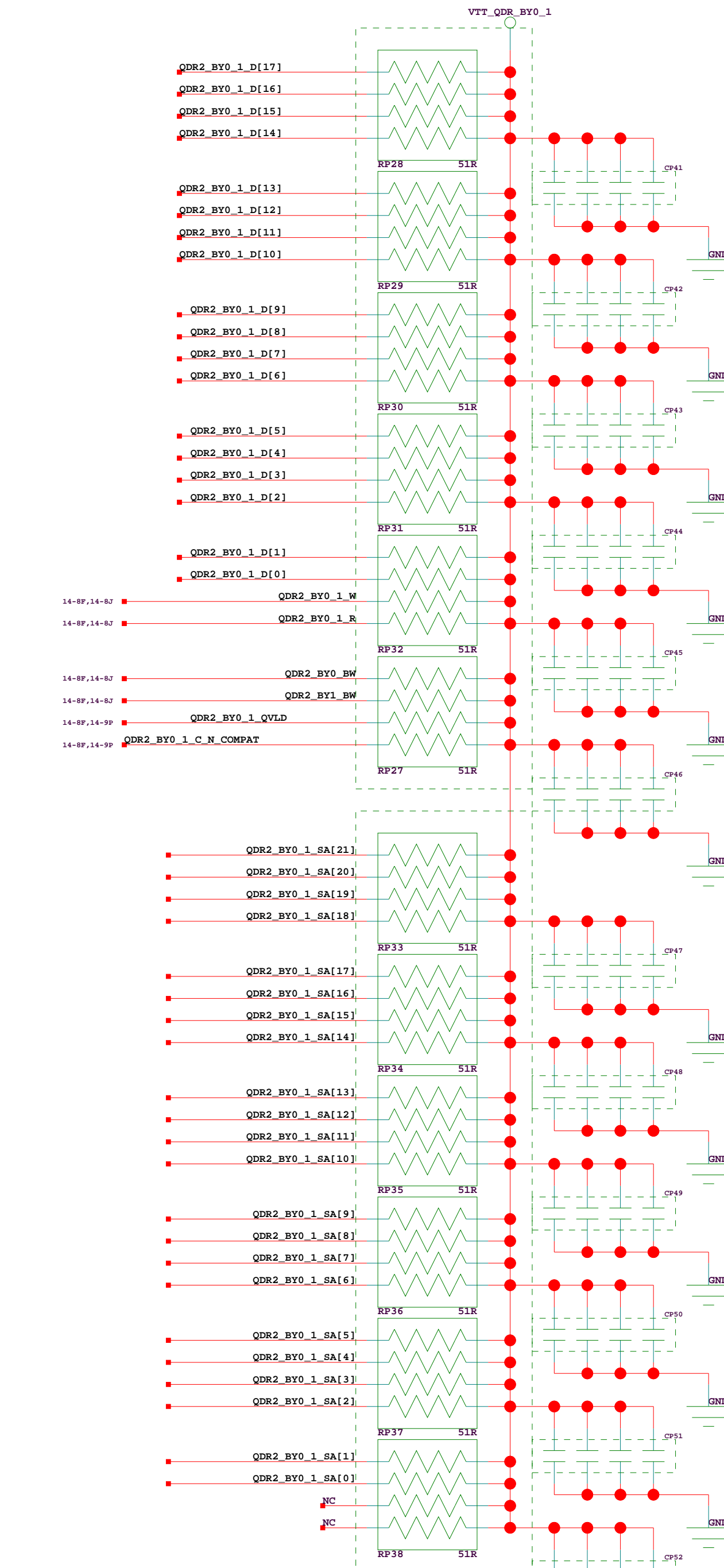




ROACH/iBOB2		ROACH_DIFF_GPIO	
COLLABORATORS:		DOC NO	REVISION
CASPER GROUP, UC BERKELEY MRSO, ACCORDO MRS&T, CAPE TOWN		RMF-ADM-XXX-ID-0001	A
DESCRIPTION		RECONFIGURABLE OPEN ARCHITECTURE HW	
http://casper.berkeley.edu/		ISSUE:	APP:
10-17-2007-15:51		F KAPP	
CHECKIN:		E BAUERMEISTER	SHEET
PATH	PATH		12 OF 2

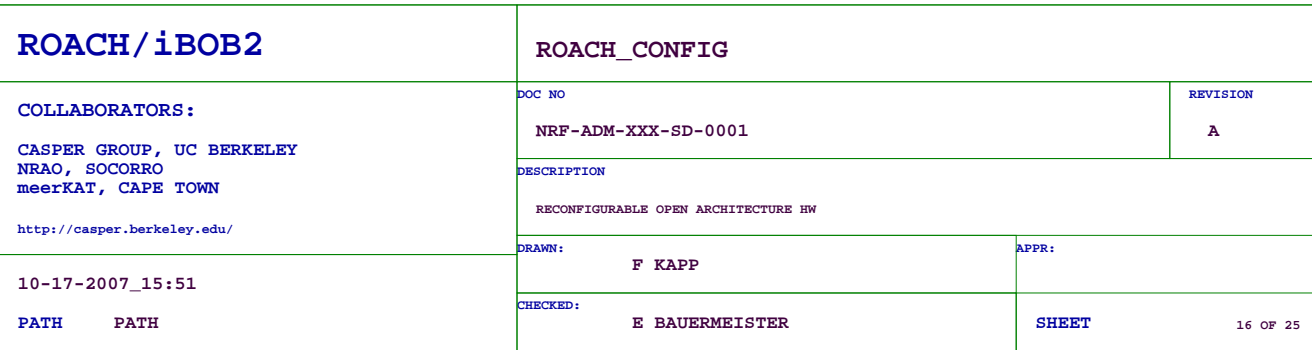


ROACH/iBOE2		ROACH_GPIO_MISC	
COLLABORATORS:		DOC NO	REVISION
CASPER GROUP, UC BERKELEY		NRF-ADM-XXX-BD-0001	A
DESCRIPTION			
NRAO, SOONERO			
MAREKAT, CAPE TOWN			
RECONFIGURABLE OPEN ARCHITECTURE HW			
http://casper.berkeley.edu/		DESIGNER	APPR.
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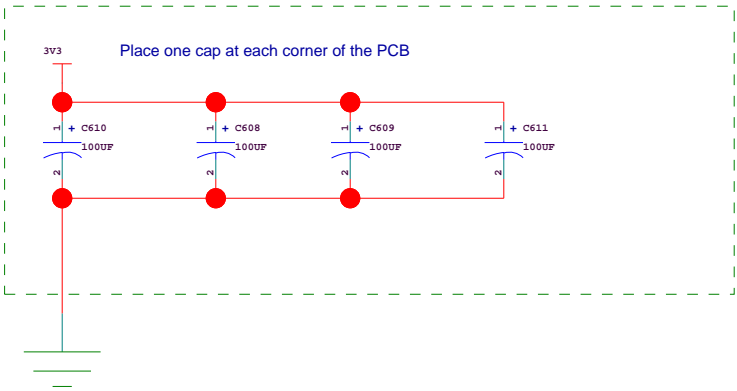


ROACH/iBOE2		ROACH_QDR2P_BY0_1	
COLLABORATORS:		DOC NO	REVISION
CASPER GROUP, UC BERKELEY		NRF-ADM-XXX-SD-0001	A
DESCRIPTION		RECONFIGURABLE OPEN ARCHITECTURE HW	
http://casper.berkeley.edu/		NAME:	APP:
10-17-2007_15:51		F KAPP	
PATH		R BAUERMEISTER	
		CHECKED:	SHEET

VALID CONFIGURATION MODES			
Configuration Mode	M[2:0]	Bus Width	CLK 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
Master JTAG	101	1	Input (TCK)
Slave SelectMAP	110	8, 16, 32	Input
Slave Serial	111	1	Input

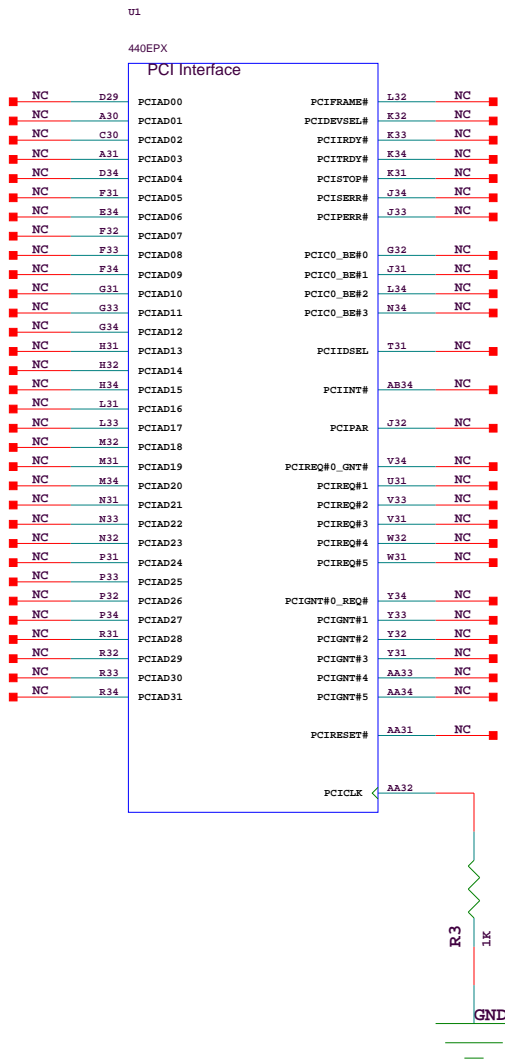


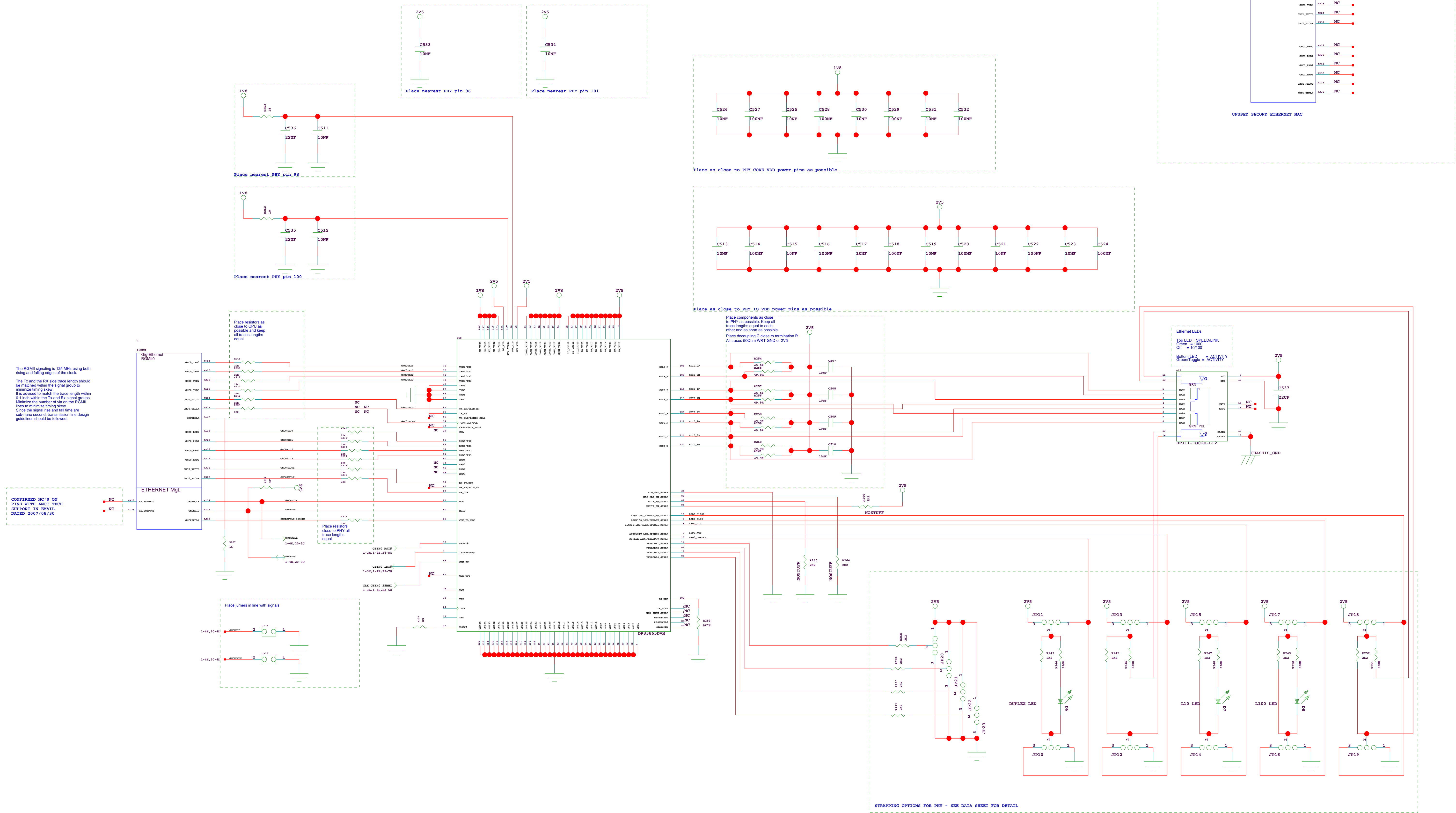
	A	B	C	D	E	F	G	H	J	K	L	M
7												
6			REMOVED 3V3 GENERATION									
5												
4		REMOVED +12V GENERATION		REMOVED -12V GENERATION								
3												
2												
1		REMOVED +1V GENERATION		REMOVED +2V5 GENERATION								
0												
	A	B	C	D	E	F	G	H	J	K	L	M



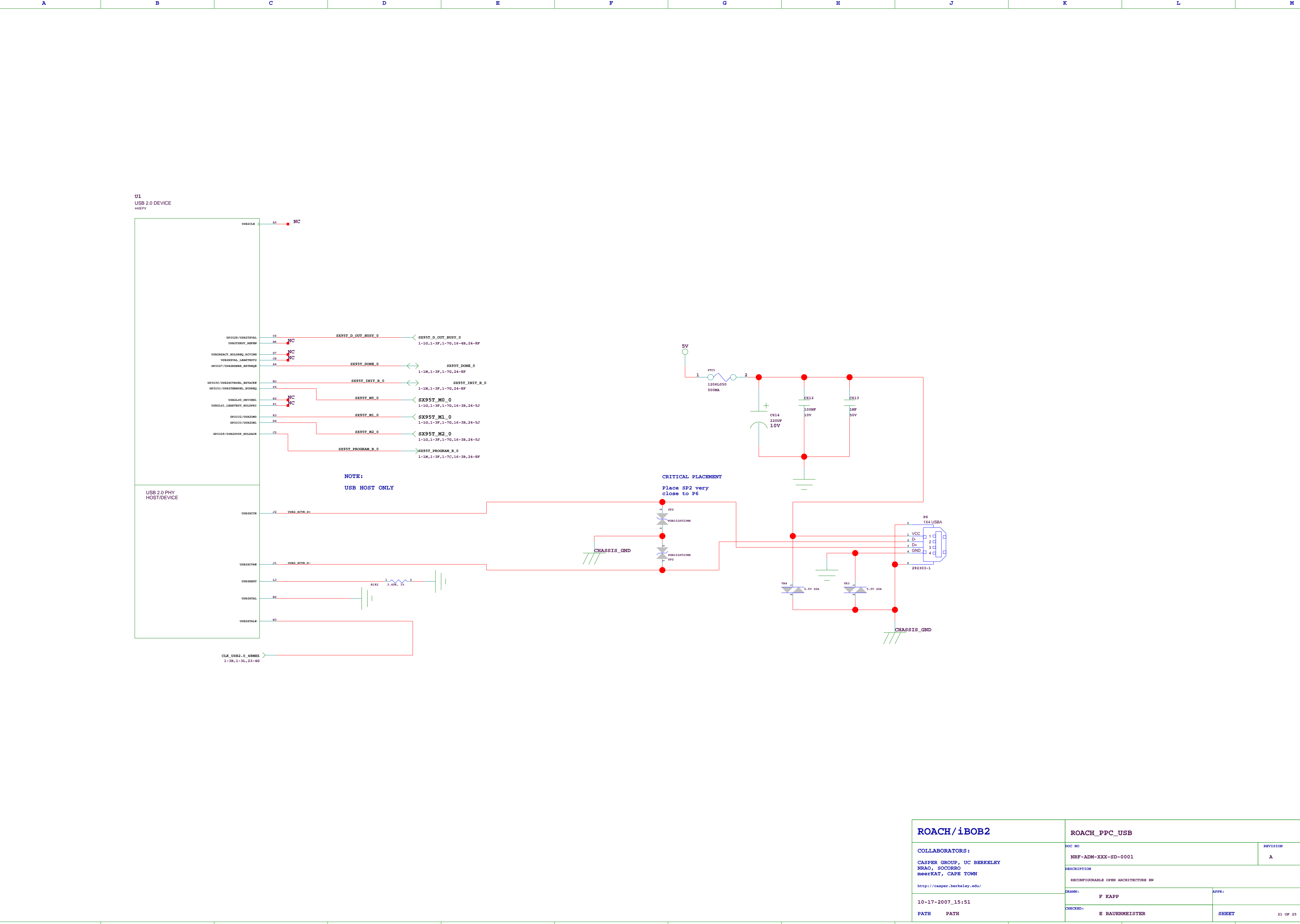
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COLLABORATORS: CASPER GROUP, UC BERKELEY NRAO, SOCORRO meerKAT, CAPE TOWN http://casper.berkeley.edu/	DOC NO NRF-ADM-XXX-SD-0001	REVISION A
	DESCRIPTION RECONFIGURABLE OPEN ARCHITECTURE HW	
	DRAWN: F KAPP	APPR:
10-17-2007_15:51	CHECKED: E BAUERMEISTER	SHEET 18 OF 25
PATH	PATH	

PCI BUS NOT IMPLEMENTED

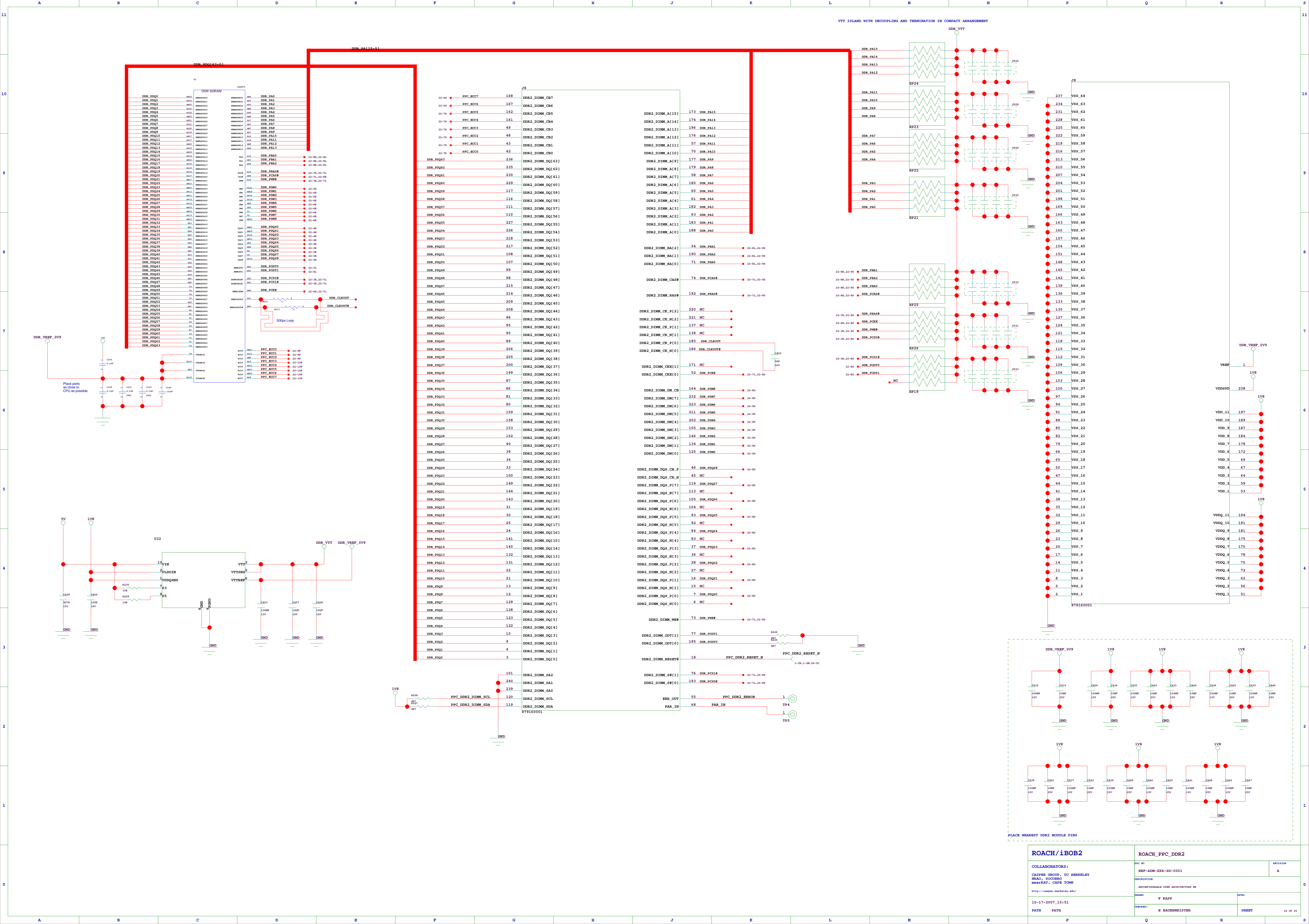


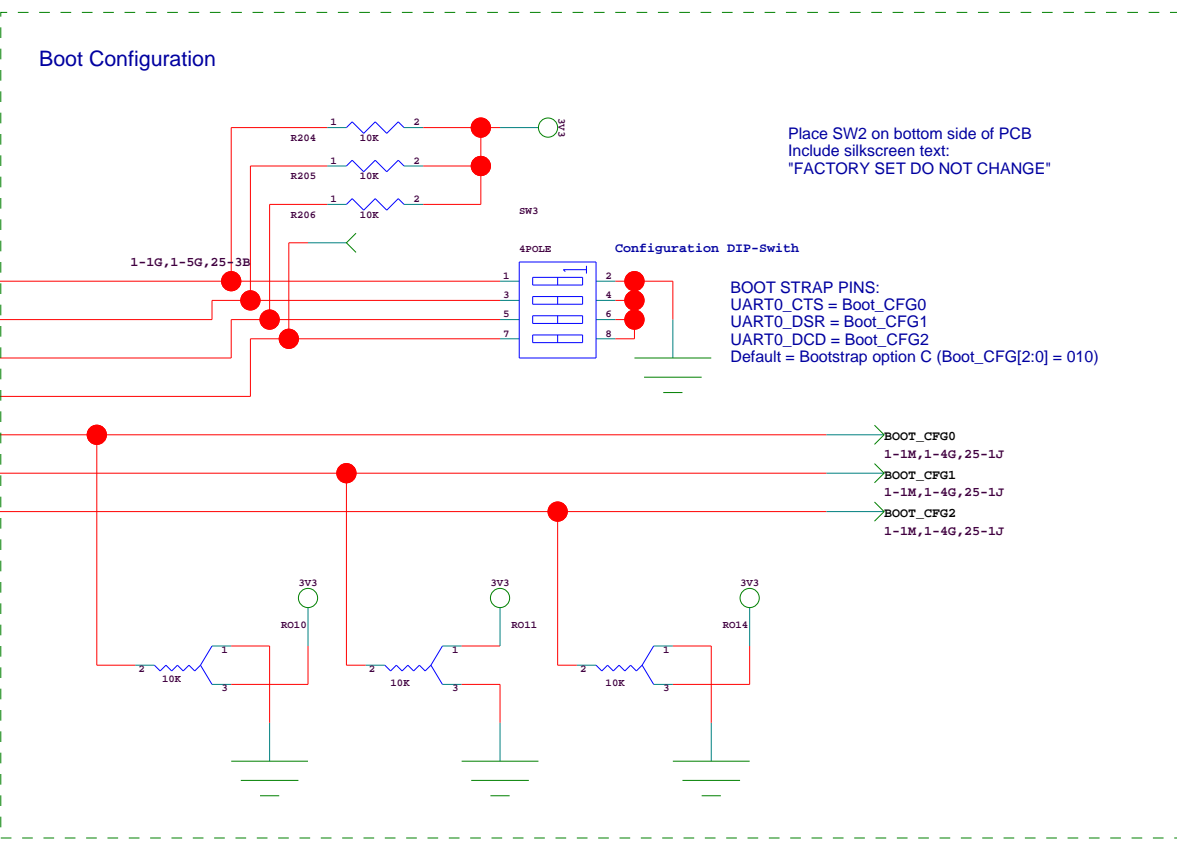
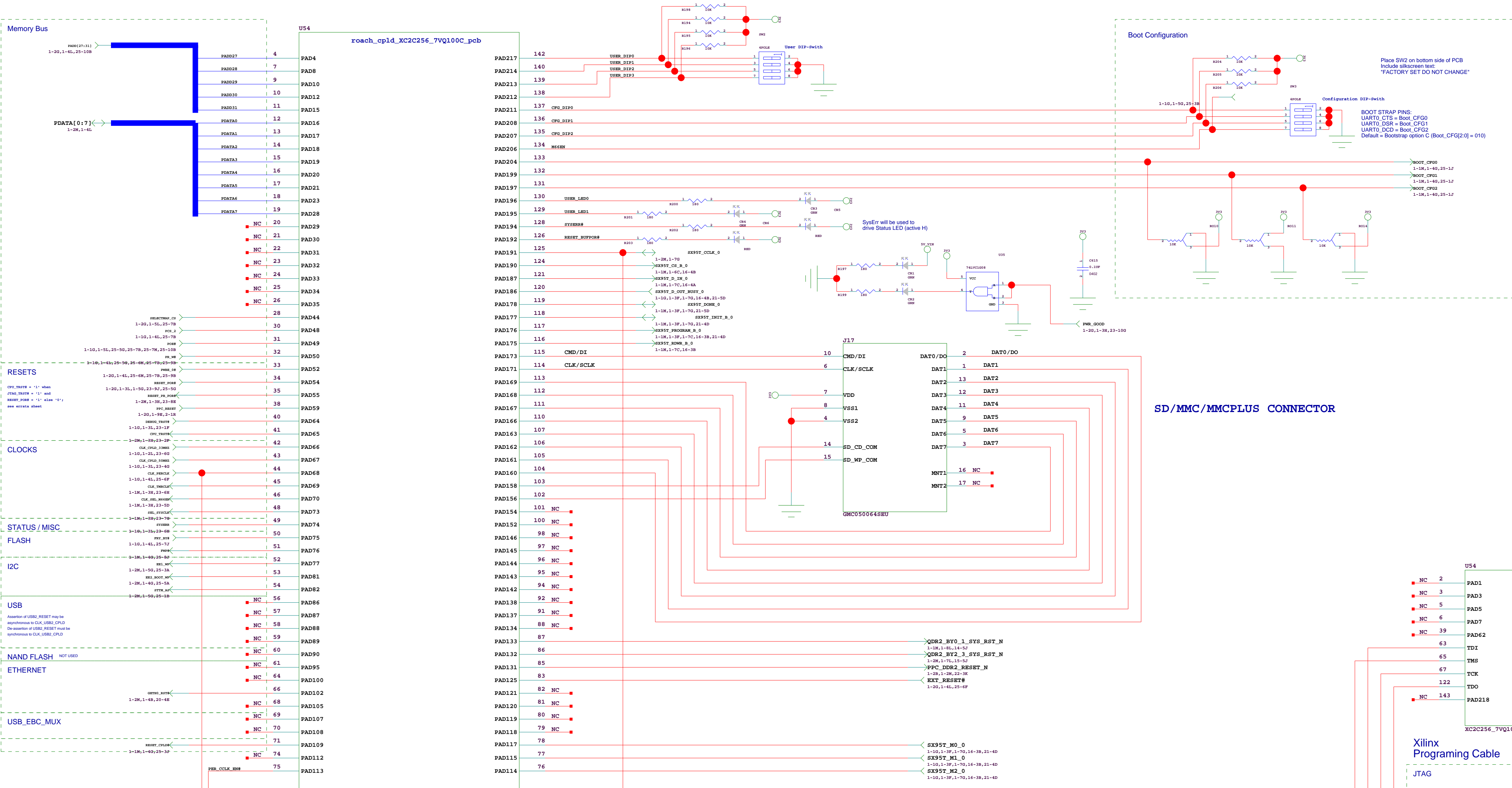


ROACH/iBOB2		ROACH_PPC_ETH1		REVISION	
COLLABORATORS:		DOC NO		A	
CAPSER GROUP, UC BERKELEY HEAD, FORDCROFT me@EAT, CAPS TOWN http://caps.berkeley.edu/		NRP-ADM-XXX-ED-0001 DESCRIPTION RECONFIGURABLE OPEN ARCHITECTURE SH			
10-17-2007.15:51		WARRANTY:		APPROVED:	
PATH PATH		F KAPP			
20 OF 2		CHECKED:		SHEET	
		R BAUMHEISTER			

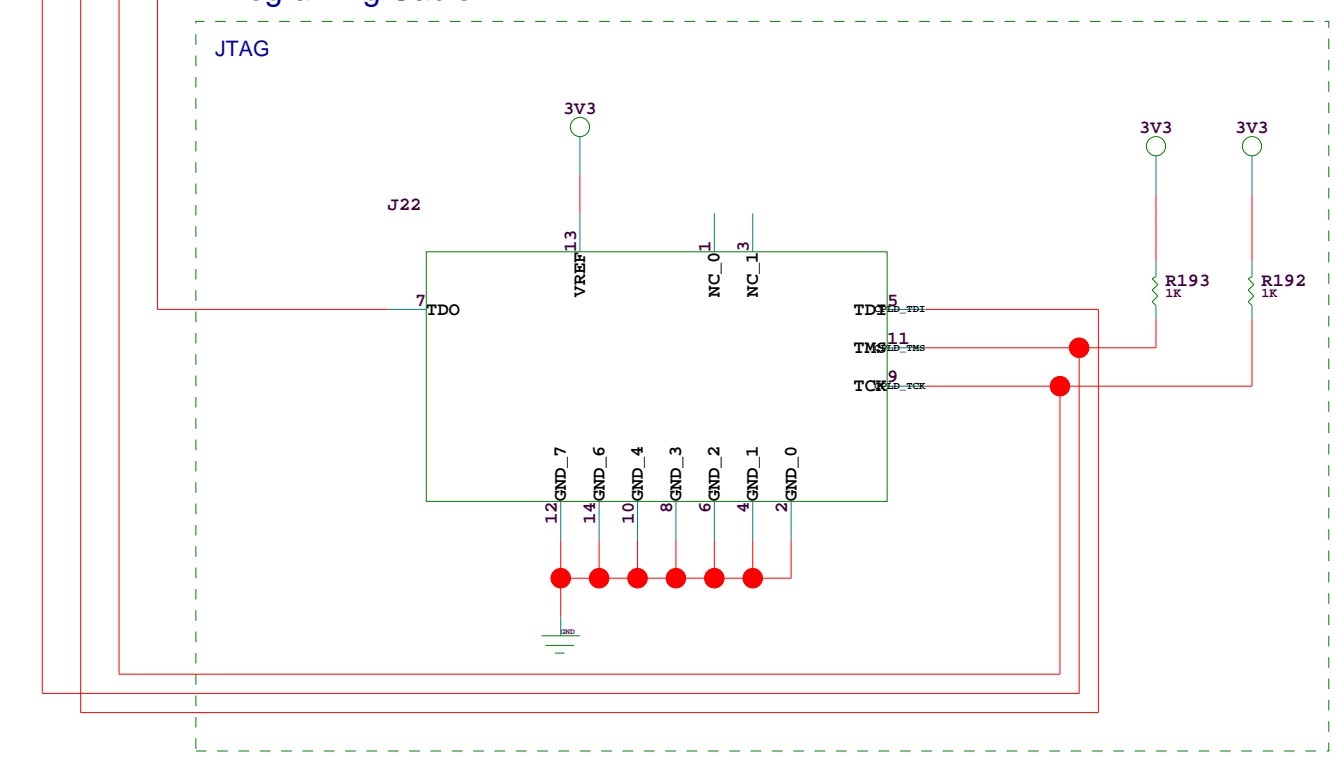
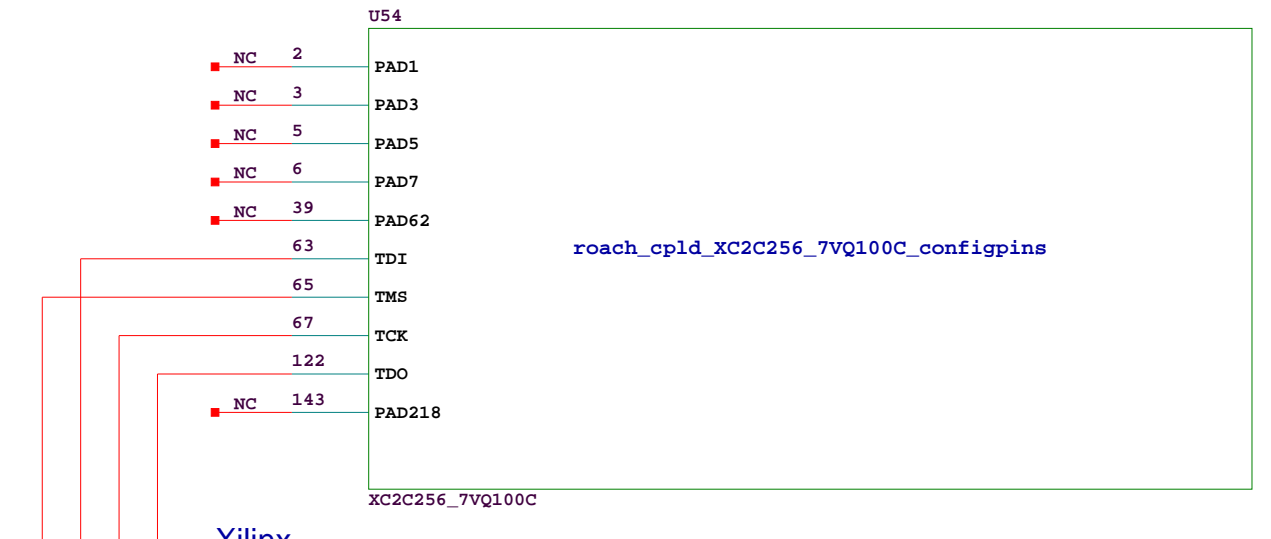


ROACH/iBOB2		ROACH_PPC_USB	
COLLABORATORS: CASPER GROUP, UC BERKELEY NRAO, SOCORRO meerKAT, CAPE TOWN http://casper.berkeley.edu/	DOC NO NRF-ADM-XXX-SD-0001		REVISION A
	DESCRIPTION RECONFIGURABLE OPEN ARCHITECTURE HW		
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10-17-2007_15:51	CHECKED: E BAUERMEISTER		SHEET
PATH	PATH		21 OF 25

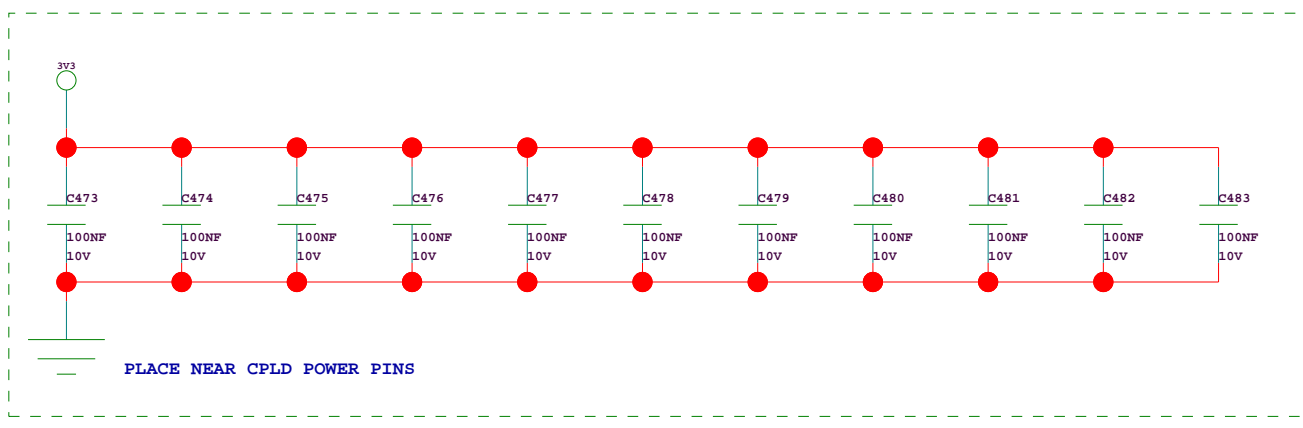
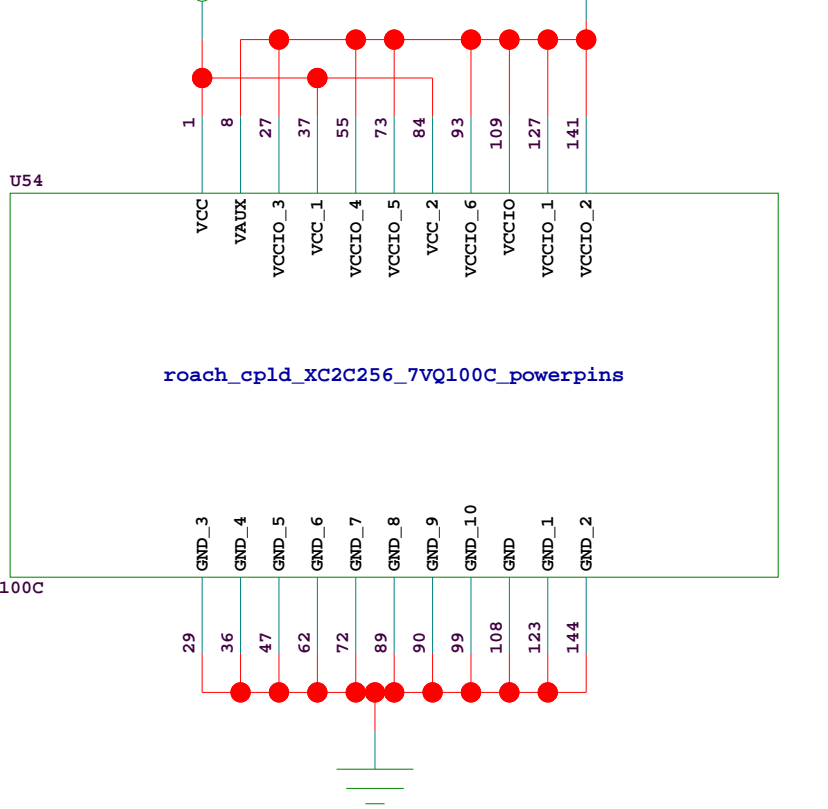
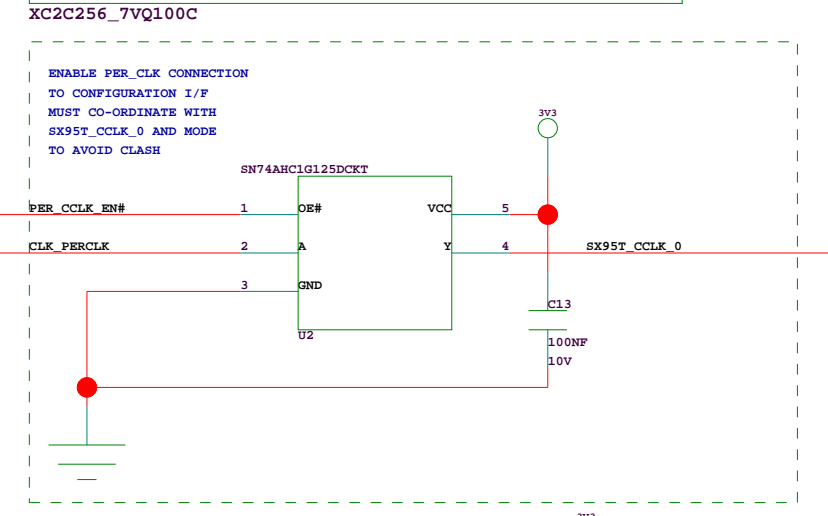




SD/MMC/MMCPLUS CONNECTOR



PLACE NEAR CPLD JTAG CONNECTOR



ROACH/iBOE2				ROACH_PPC_CPLD			
COLLABORATORS: CASPER GROUP, UC BERKELEY NRAD, SOCCORO BERKELEY, CALIF. TOWN				DOC NO		REVISION	
				NRF-ADM-XXX-SD-0001		A	
http://casper.berkeley.edu/				DESCRIPTION			
				RECONFIGURABLE OPEN ARCHITECTURE HW			
10-17-2007_15:51				NAME:		APP:	
				F KAPP			
PATH				CHECKED:		SHEET	
				E BAUERMEISTER		24 OF 25	

