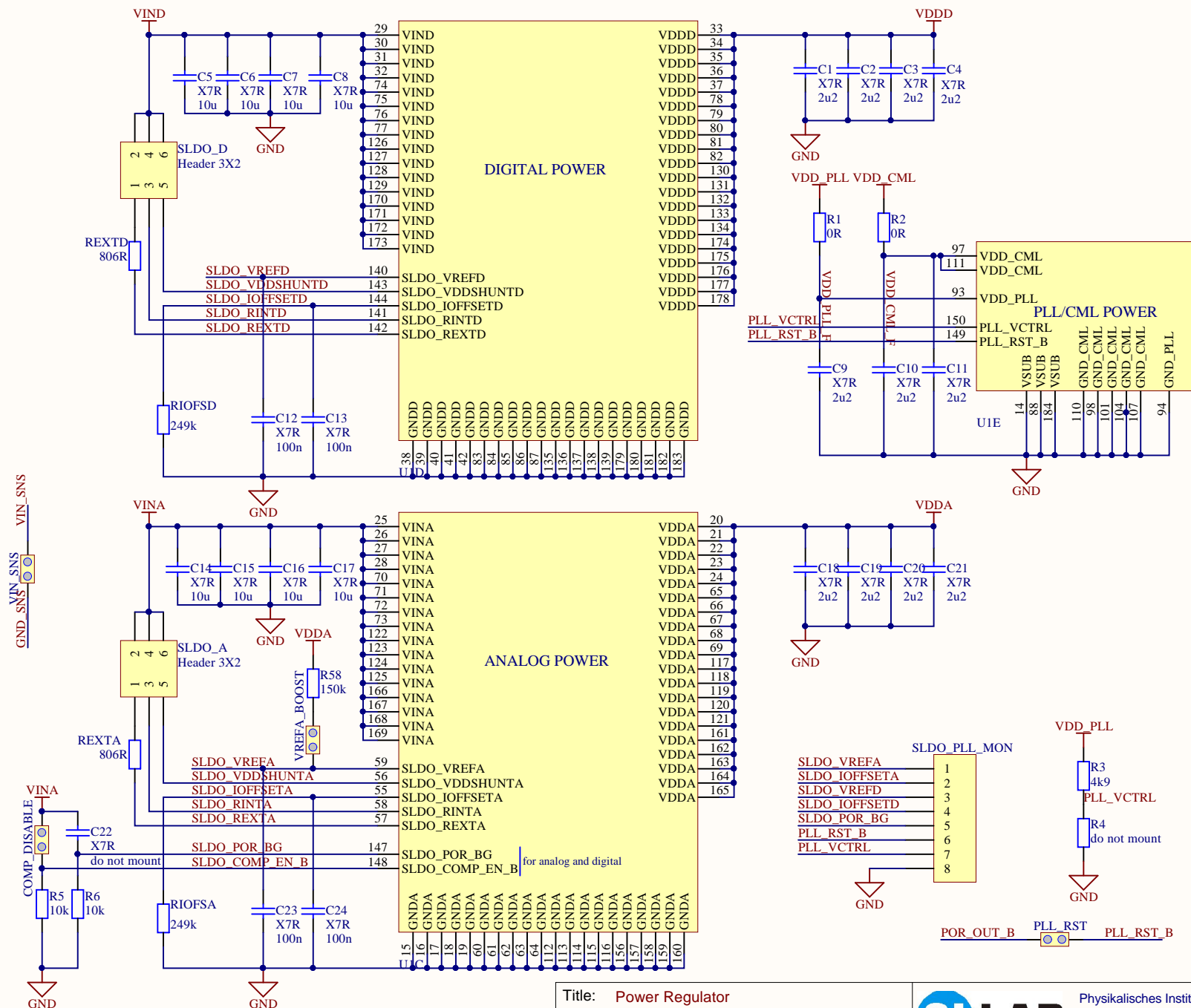

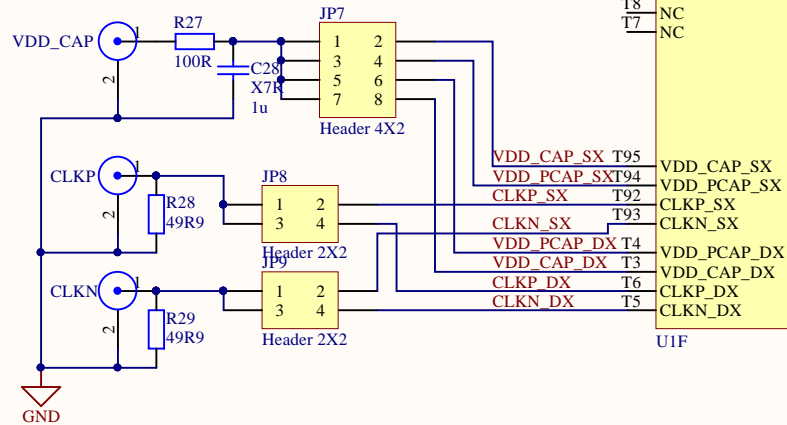
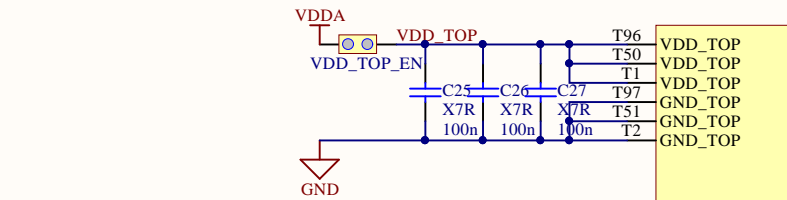


Power configuration options

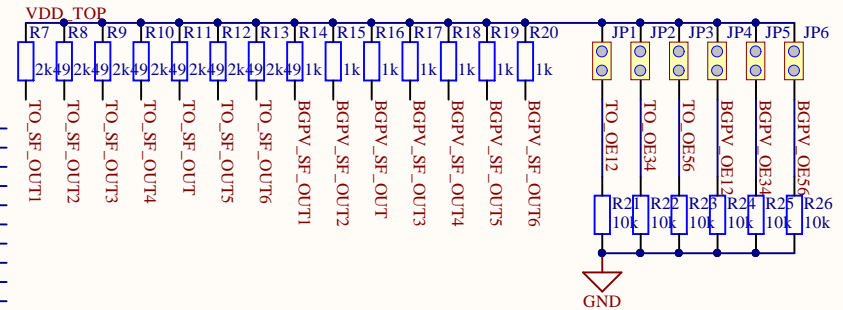
1. LDO/single-chip shunt
 - PWR_x: VINx
 - VIND/VINA: closed (or open for separate current measurement)
 - PWR1/PWR2: closed (or open for separate current measurement)
2. Direct
 - PWR_x: VDDx
 - VIND/VINA: open
 - PWR1/PWR2: open
3. Serial
 - PWR_x: open
 - VIND/VINA: closed
 - PWR1/PWR2: closed



Title: Power Regulator		
Project: RD53A	Drawn by: HK	
	Revision: 1.0	
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File: D:\redmine svn\RD53A SCC\RD53A SCC\Power.SchDoc		



T96	VDD_TOP	T91	GNDA_TO_MON	T91	GNDA_TO_MON
T50	VDD_TOP	T90	TO_SF_OUT1	T90	TO_SF_OUT1
T1	VDD_TOP	T89	TO_SF_OUT2	T89	TO_SF_OUT2
T97	VDD_TOP	T88	TO_OE12	T88	TO_OE12
T51	GND_TOP	T87	VDDA_TO_MON	T87	VDDA_TO_MON
T2	GND_TOP	T85	TO_SF_OUT3	T85	TO_SF_OUT3
		T84	TO_SF_OUT4	T84	TO_SF_OUT4
		T83	TO_OE34	T83	TO_OE34
		T82	VDDD_TO_MON	T82	VDDD_TO_MON
		T80	GNDA_WC_TO_MON	T80	GNDA_WC_TO_MON
		T79	GNDD_TO_MON	T79	GNDD_TO_MON
		T78	VDDA_WC_TO_MON	T78	VDDA_WC_TO_MON
		T76	TO_SF_IN	T76	TO_SF_IN
		T75	TO_SF_OUT	T75	TO_SF_OUT
		T74	TO_OE56	T74	TO_OE56
		T73	TO_SF_OUT5	T73	TO_SF_OUT5
		T72	TO_SF_OUT6	T72	TO_SF_OUT6
		T71	VDDD_WC_TO_MON	T71	VDDD_WC_TO_MON
		T69	GNDD_WC_TO_MON	T69	GNDD_WC_TO_MON
		T67	BGPV_SF_OUT1	T67	BGPV_SF_OUT1
		T66	BGPV_SF_OUT2	T66	BGPV_SF_OUT2
		T65	BGPV_OE12	T65	BGPV_OE12
		T64	BGPV_SF_IN	T64	BGPV_SF_IN
		T63	BGPV_SF_OUT	T63	BGPV_SF_OUT
		T60	VDD_BGPV_MON	T60	VDD_BGPV_MON
		T57	GNDD_BGPV_MON	T57	GNDD_BGPV_MON
		T55	GNDA_WC_BGPV_MON	T55	GNDA_WC_BGPV_MON
		T53	VDDA_WC_BGPV_MON	T53	VDDA_WC_BGPV_MON
		T49	BGPV_SF_OUT3	T49	BGPV_SF_OUT3
		T48	BGPV_SF_OUT4	T48	BGPV_SF_OUT4
		T47	BGPV_OE34	T47	BGPV_OE34
		T46	VDDD_WC_BGPV_MON	T46	VDDD_WC_BGPV_MON
		T44	GNDD_WC_BGPV_MON	T44	GNDD_WC_BGPV_MON
		T42	GNDA_BGPV_MON	T42	GNDA_BGPV_MON
		T40	VDDA_BGPV_MON	T40	VDDA_BGPV_MON
		T36	BGPV_OE56	T36	BGPV_OE56
		T35	BGPV_SF_OUT5	T35	BGPV_SF_OUT5
		T34	BGPV_SF_OUT6	T34	BGPV_SF_OUT6
		T33	LBNL_SF_OUT2_10	T33	LBNL_SF_OUT2_10
		T32	LBNL_SF_OUT2B_10	T32	LBNL_SF_OUT2B_10
		T31	LBNL_SF_OUT1_10	T31	LBNL_SF_OUT1_10
		T30	GNDA_WC_LBNL_MON	T30	GNDA_WC_LBNL_MON
		T29	VDDA_WC_LBNL_MON	T29	VDDA_WC_LBNL_MON
		T25	VDDD_WC_LBNL_MON	T25	VDDD_WC_LBNL_MON
		T24	LBNL_SF_OUT2_20	T24	LBNL_SF_OUT2_20
		T23	LBNL_SF_OUT2B_20	T23	LBNL_SF_OUT2B_20
		T22	LBNL_SF_OUT1_20	T22	LBNL_SF_OUT1_20
		T21	GNDA_LBNL_MON	T21	GNDA_LBNL_MON
		T20	GNDD_WC_LBNL_MON	T20	GNDD_WC_LBNL_MON
		T18	VDDA_LBNL_MON	T18	VDDA_LBNL_MON
		T14	LBNL_SF_OUT2_30	T14	LBNL_SF_OUT2_30
		T13	LBNL_SF_OUT2B_30	T13	LBNL_SF_OUT2B_30
		T12	LBNL_SF_OUT1_30	T12	LBNL_SF_OUT1_30
		T11	VDDD_LBNL_MON	T11	VDDD_LBNL_MON
		T9	GNDD_LBNL_MON	T9	GNDD_LBNL_MON



GNDA_TO_MON	1	2	TO_SF_OUT1
TO_SF_OUT2	3	4	VDDA_TO_MON
TO_SF_OUT3	5	6	TO_SF_OUT4
VDDD_TO_MON	7	8	GNDA_WC_TO_MON
GNDD_TO_MON	9	10	VDDA_WC_TO_MON
TO_SF_IN	11	12	TO_SF_OUT
TO_SF_OUT5	13	14	TO_SF_OUT6
VDDD_WC_TO_MON	15	16	GNDD_WC_TO_MON
GND	17	18	BGPV_SF_OUT1
BGPV_SF_OUT2	19	20	BGPV_SF_IN
BGPV_SF_OUT	21	22	VDD_BGPV_MON
GNDD_BGPV_MON	23	24	GNDA_WC_BGPV_MON
VDDA_WC_BGPV_MON	25	26	BGPV_SF_OUT3
BGPV_SF_OUT4	27	28	VDDD_WC_BGPV_MON
GNDD_WC_BGPV_MON	29	30	GNDA_BGPV_MON
VDDA_BGPV_MON	31	32	BGPV_SF_OUT5
BGPV_SF_OUT6	33	34	LBNL_SF_OUT2_10
LBNL_SF_OUT2B_10	35	36	LBNL_SF_OUT1_10
GNDA_WC_LBNL_MON	37	38	VDDA_WC_LBNL_MON
VDDD_WC_LBNL_MON	39	40	LBNL_SF_OUT2_20
LBNL_SF_OUT2B_20	41	42	LBNL_SF_OUT1_20
GNDA_LBNL_MON	43	44	GNDD_WC_LBNL_MON
VDDA_LBNL_MON	45	46	LBNL_SF_OUT2_30
LBNL_SF_OUT2B_30	47	48	LBNL_SF_OUT1_30
VDDD_LBNL_MON	49	50	GNDD_LBNL_MON

