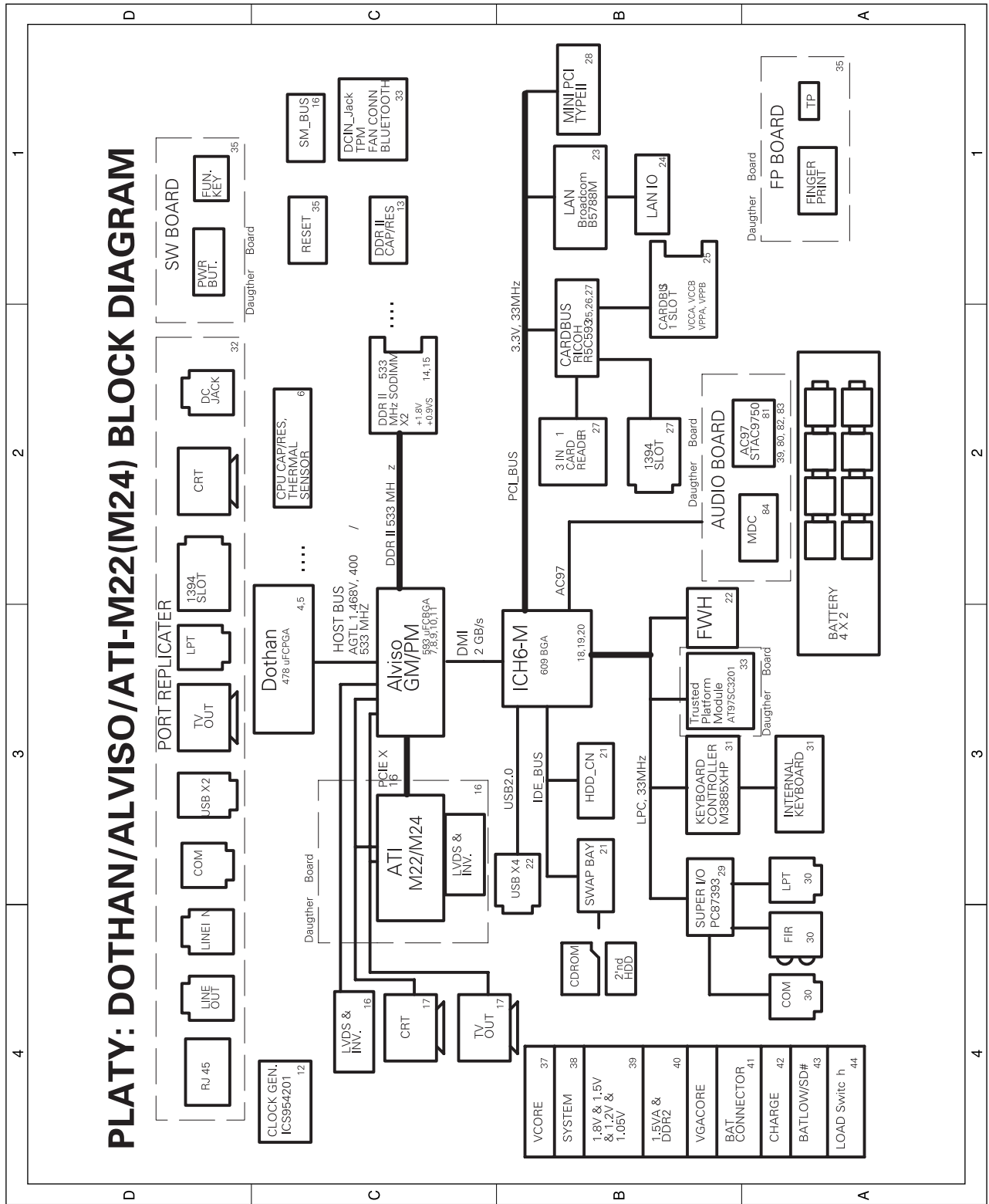


9 Schematic Diagrams

9-1 MAIN BOARD

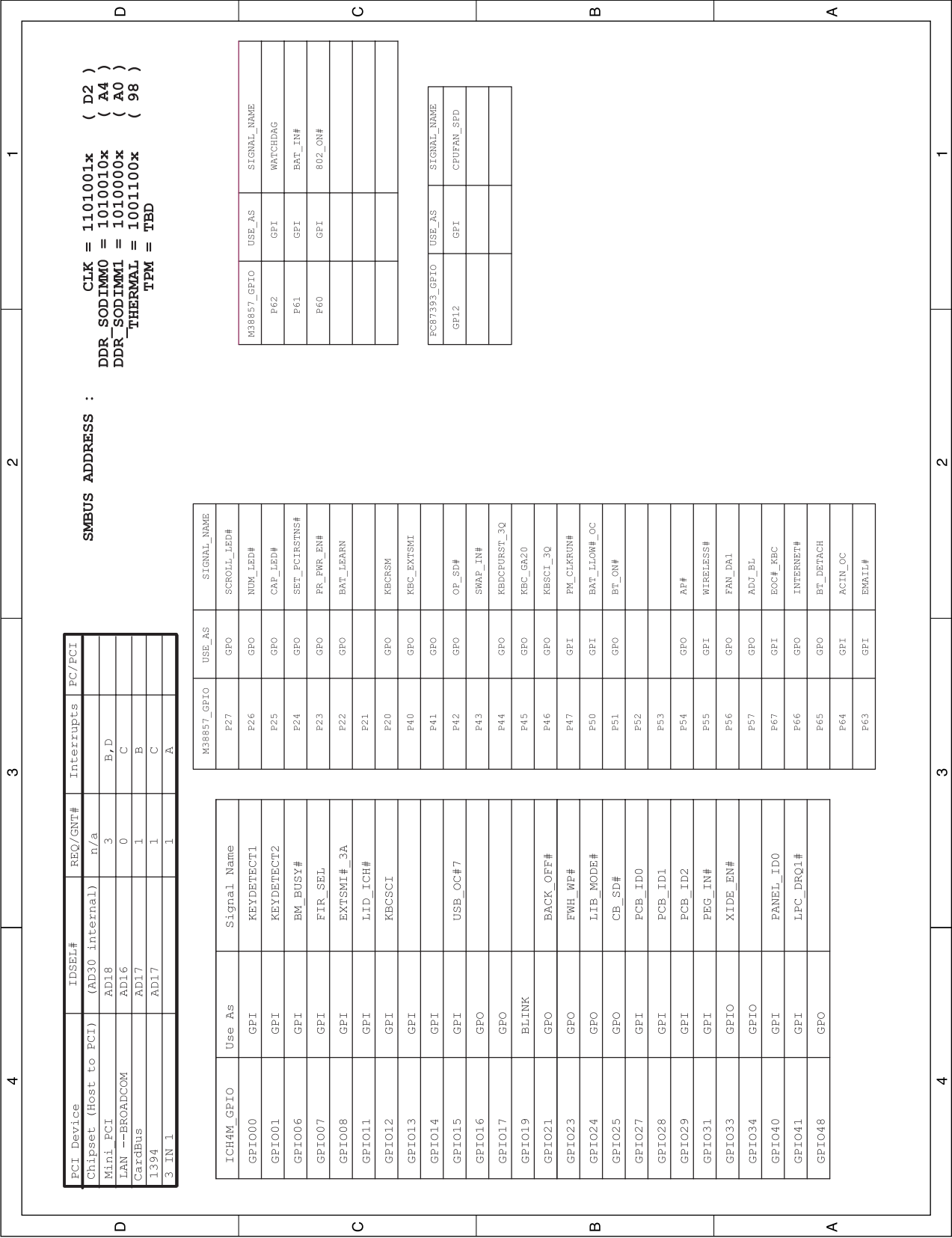
9-1-1 Schematic Diagrams



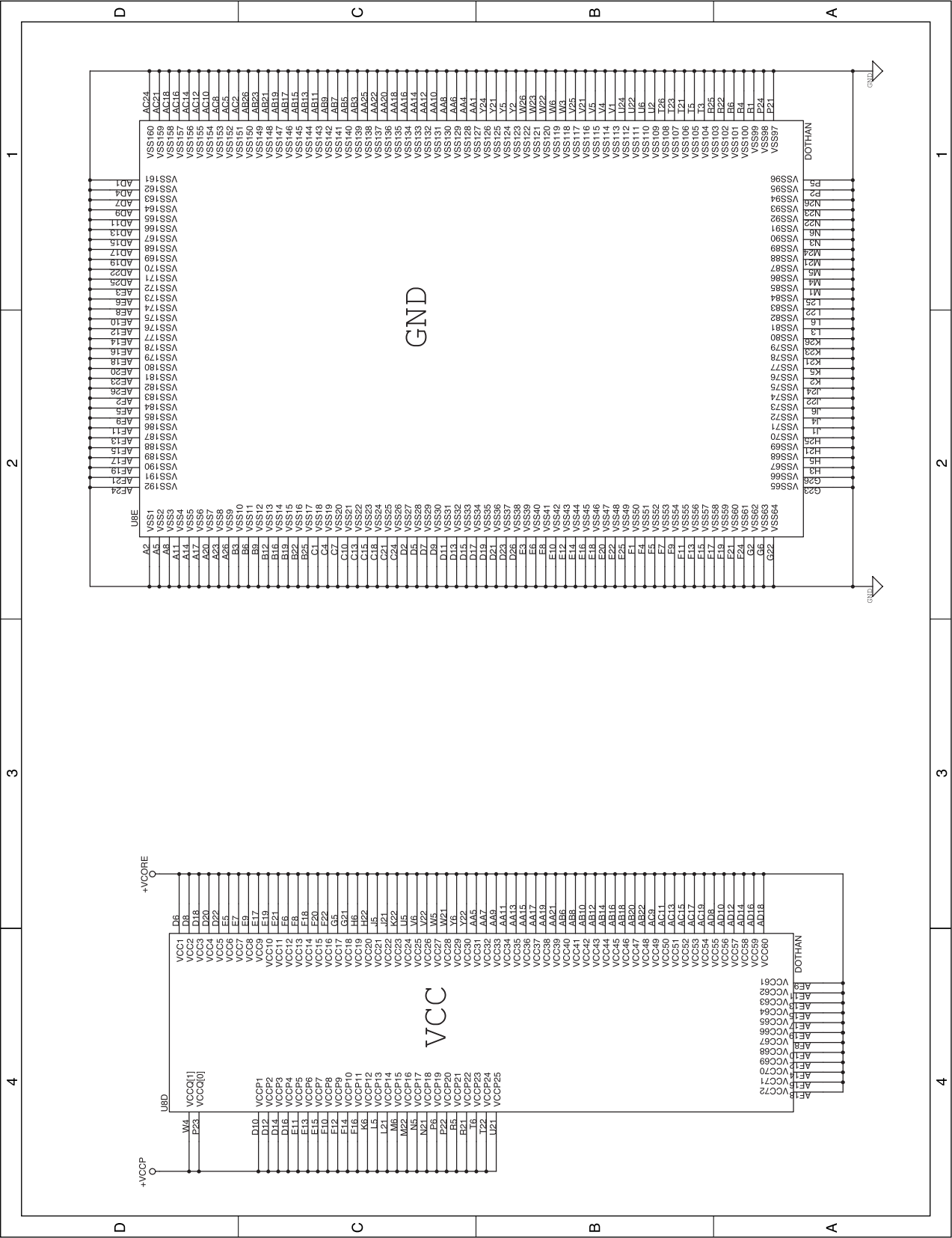
9-1-1(a) Main Board Schematic Sheet 2 of 51

4				3				2				1			
D				C				B				A			
D				C				B				A			
PAGE				PAGE				PAGE				PAGE			
SYSTEM PAGE REF.				POWER PAGE REF.											
4	DOTHAN CPU (1)			37	VCORE_MAX1987										
5	DOTHAN CPU (2)			38	PWR_SYSTEM										
6	CPU CAP & THERMAL SENSOR			39	PWR_BRD: 1.2, 1.5, 1.8, 1.05V										
7	ALVISO (1)-HOST			40	0.9VS, 1.05VS, 1.5VSUS										
8	ALVISO (2)-GMCH, PCIE			41	PIC16C54, BATCON, PWROK										
9	ALVISO (3)-DDRII			42	CHARGER										
10	ALVISO (4)-POWER			43	BATLOW/SD#										
11	ALVISO (5)-GND			44	LOAD_SWITCH										
12	CLOCK GEN			45	POWER_FLOW_CHART										
13	DDR2 ADDRESS TERMINATION			46	POWER_ON_SEQUENCE_CHART										
14	DDR2 SO-DIMM 0 & Caps			51	AUDIO_AUDIO_BOARD_CONN										
15	DDR2 SO-DIMM 1 & Caps			52	AUDIO_AC97_STAC9750										
16	LVDS & INVERTER CONNECTOR			53	AUDIO_AMP(TPA0212)										
17	CRT & TV OUT CONNECTOR			54	AUDIO_MIC_AMP										
18	ICH6M (1)-SATA, LPC, IDE			55	AUDIO_USB										
19	ICH6M (2) -USB, PCI/E, PMIO														
20	ICH6M (3) -PWR, GND														
21	HDD & BAY CONNECTOR														
22	FWH, USB														
23	GLAN_BROADCOM B5788M														
24	RJ11+45, TRANSFORMER														
25	RICOH R5C841 (1) CARDBUS														
26	RICOH R5C841 (2), PCI														
27	RICOH R5C841 (3), 1394, 3IN1														
28	MINIPCI CONNECTOR														
29	SIO: PC87393														
30	IR & COM & LPT														
31	KBC: M38857														
32	SAMSUNG PORT REPLICATOR														
33	FAN, BLUETOOTH, DC IN, TPM														
34	POWER ON_SEQUENCE														
35	IO, AUDIO, TP, SW_CONN.														
36	DISCHARGE, HOLES														

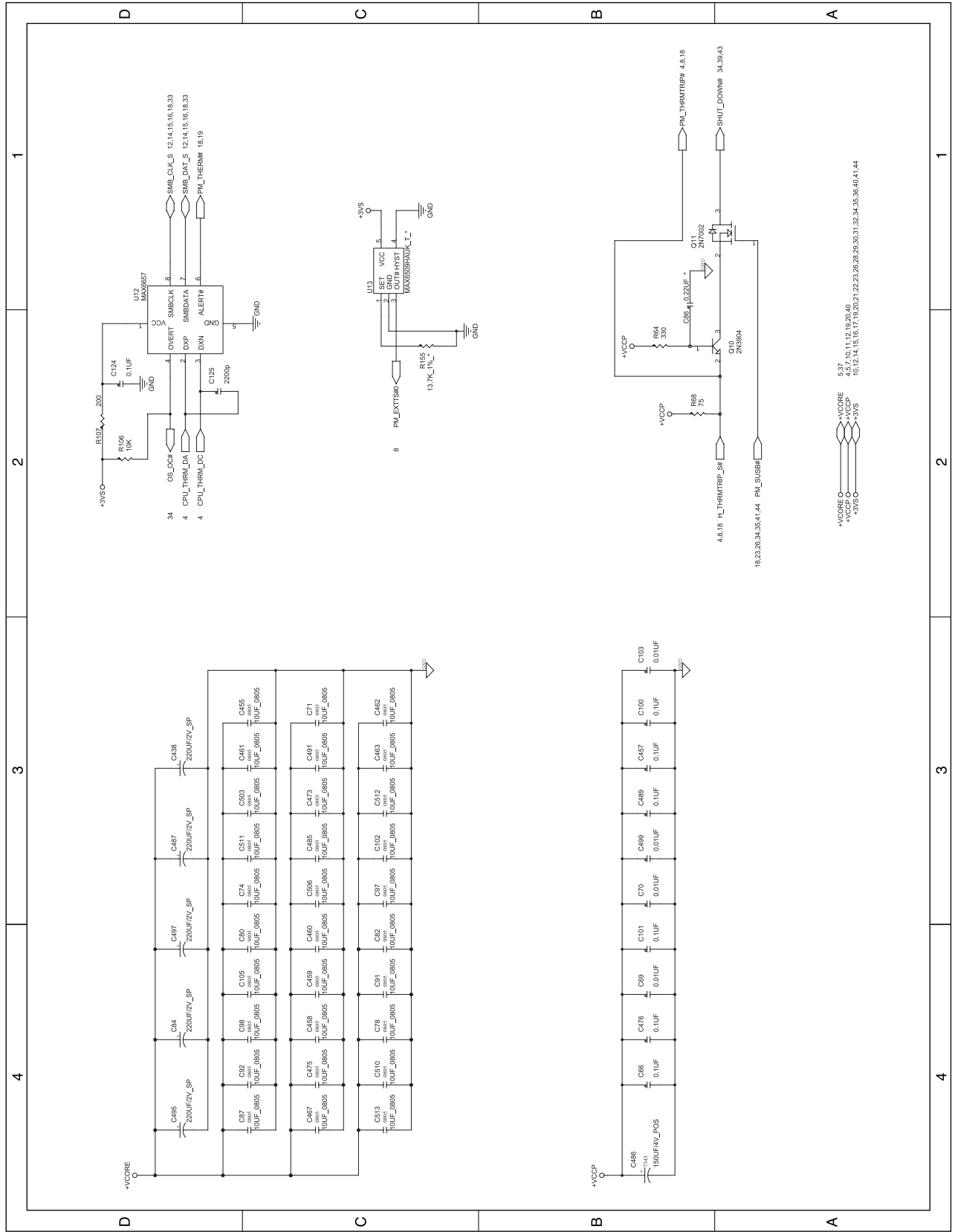
9-1-1(b) Main Board Schematic Sheet 3 of 51



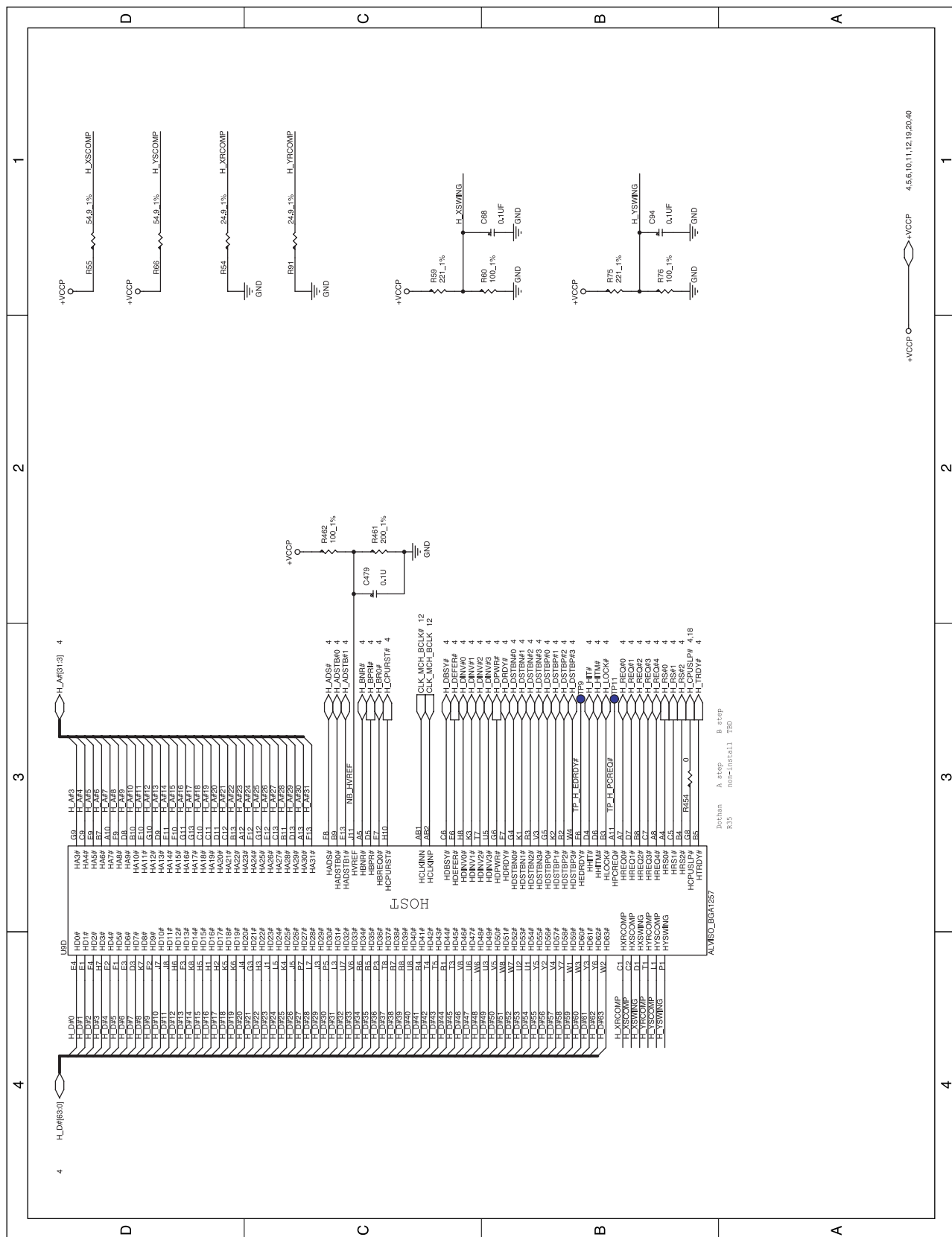
9-1-1(d) Main Board Schematic Sheet 5 of 51



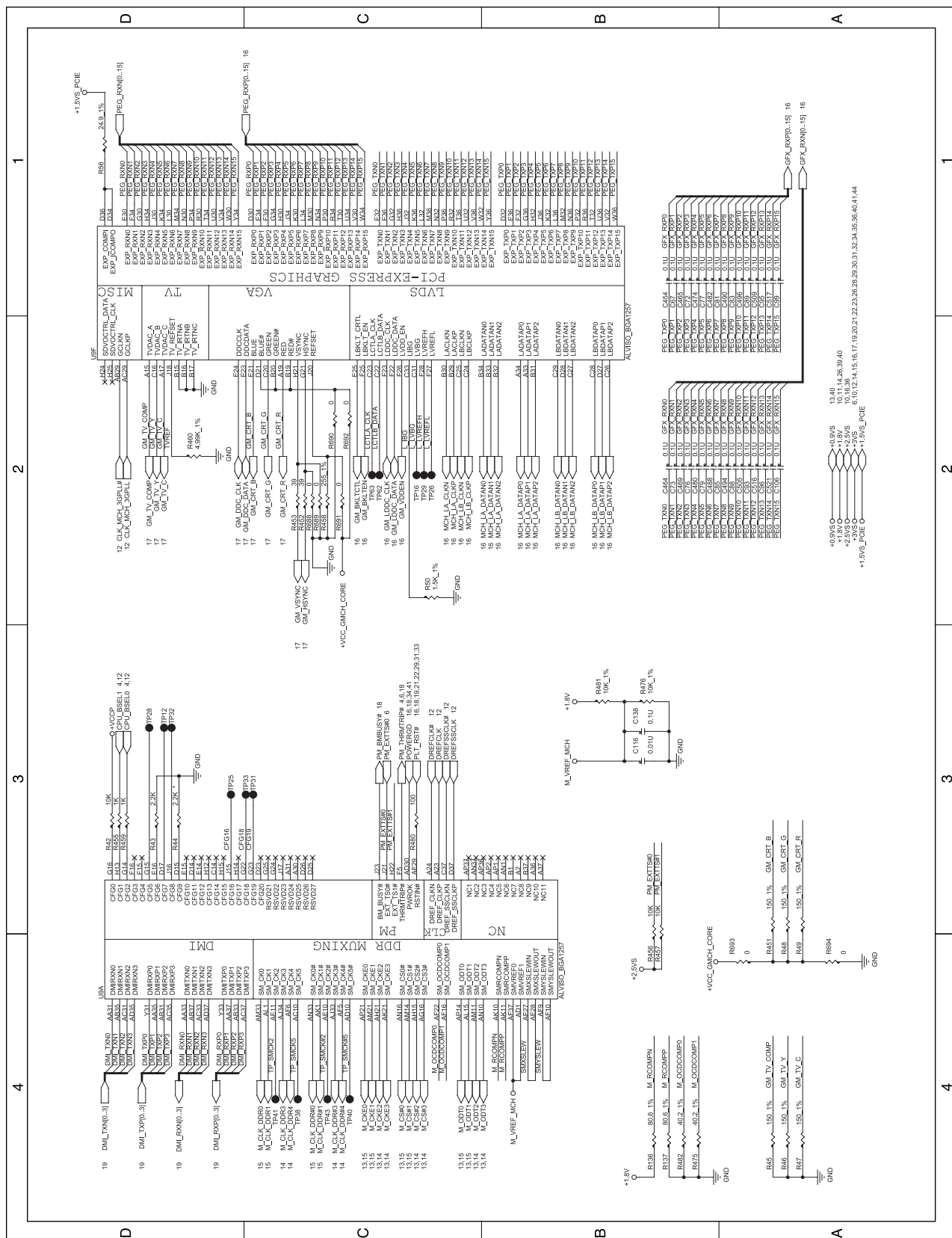
9-1-1(e) Main Board Schematic Sheet 6 of 51



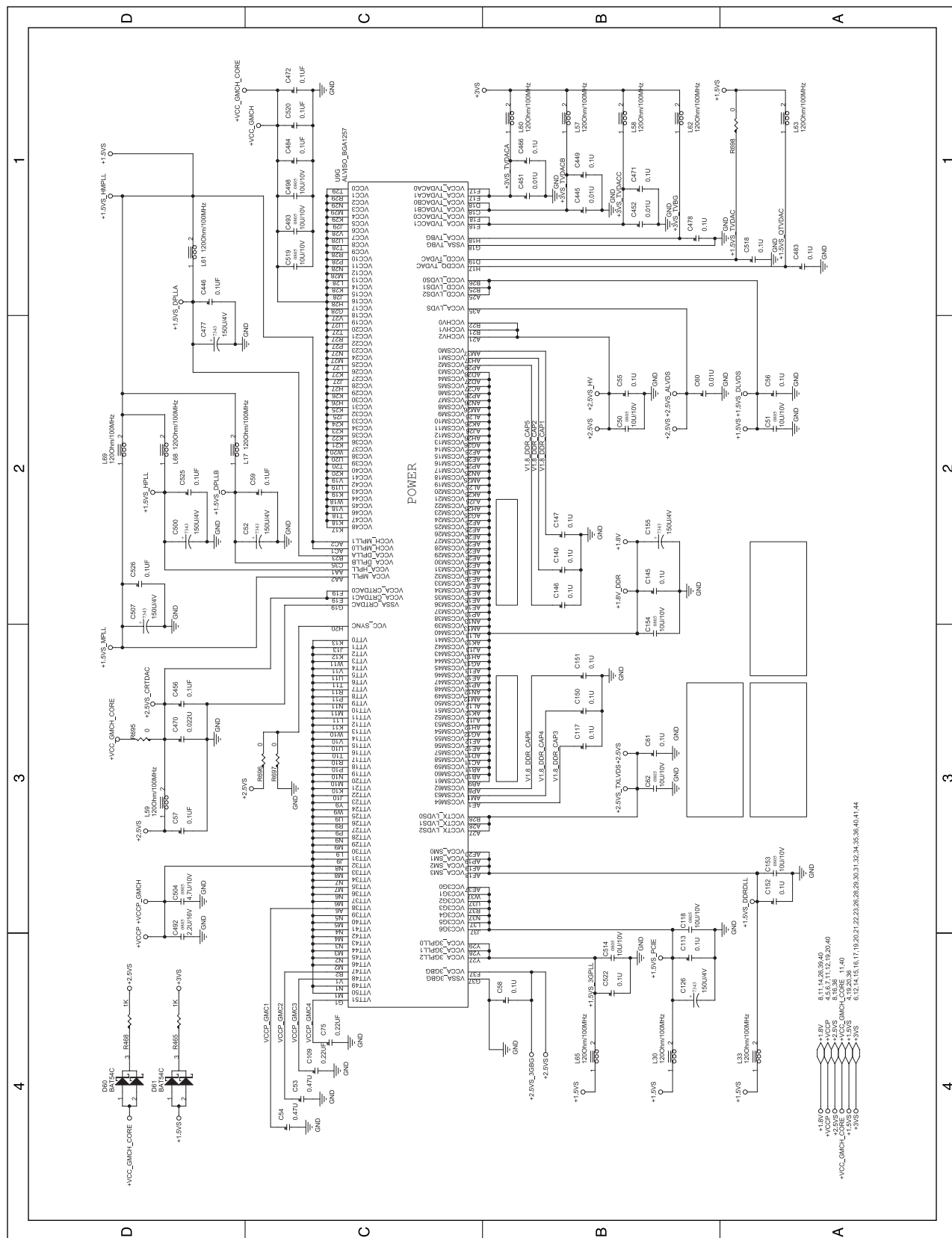
9-1-1(f) Main Board Schematic Sheet 7 of 51



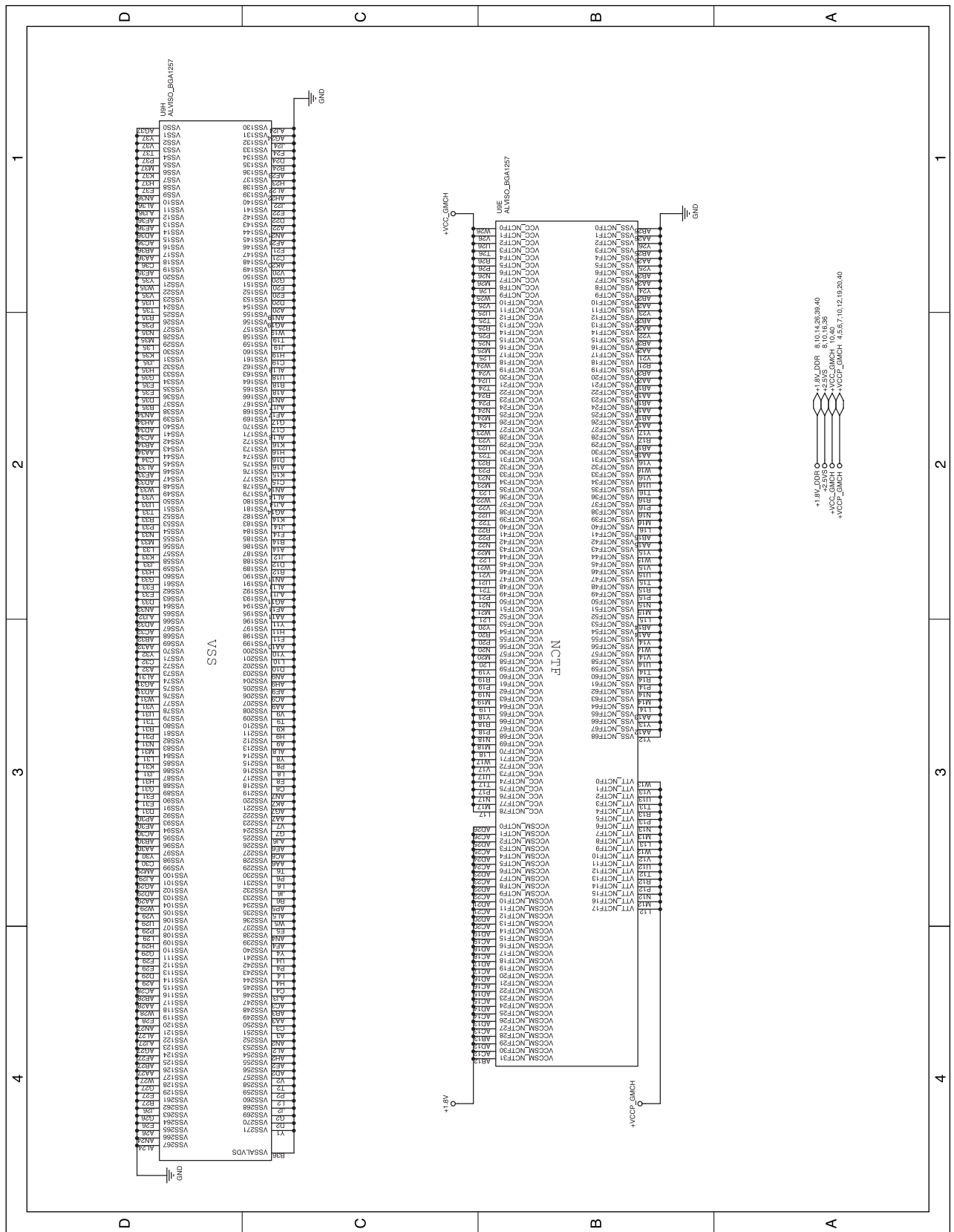
9-1-1(g) Main Board Schematic Sheet 8 of 51



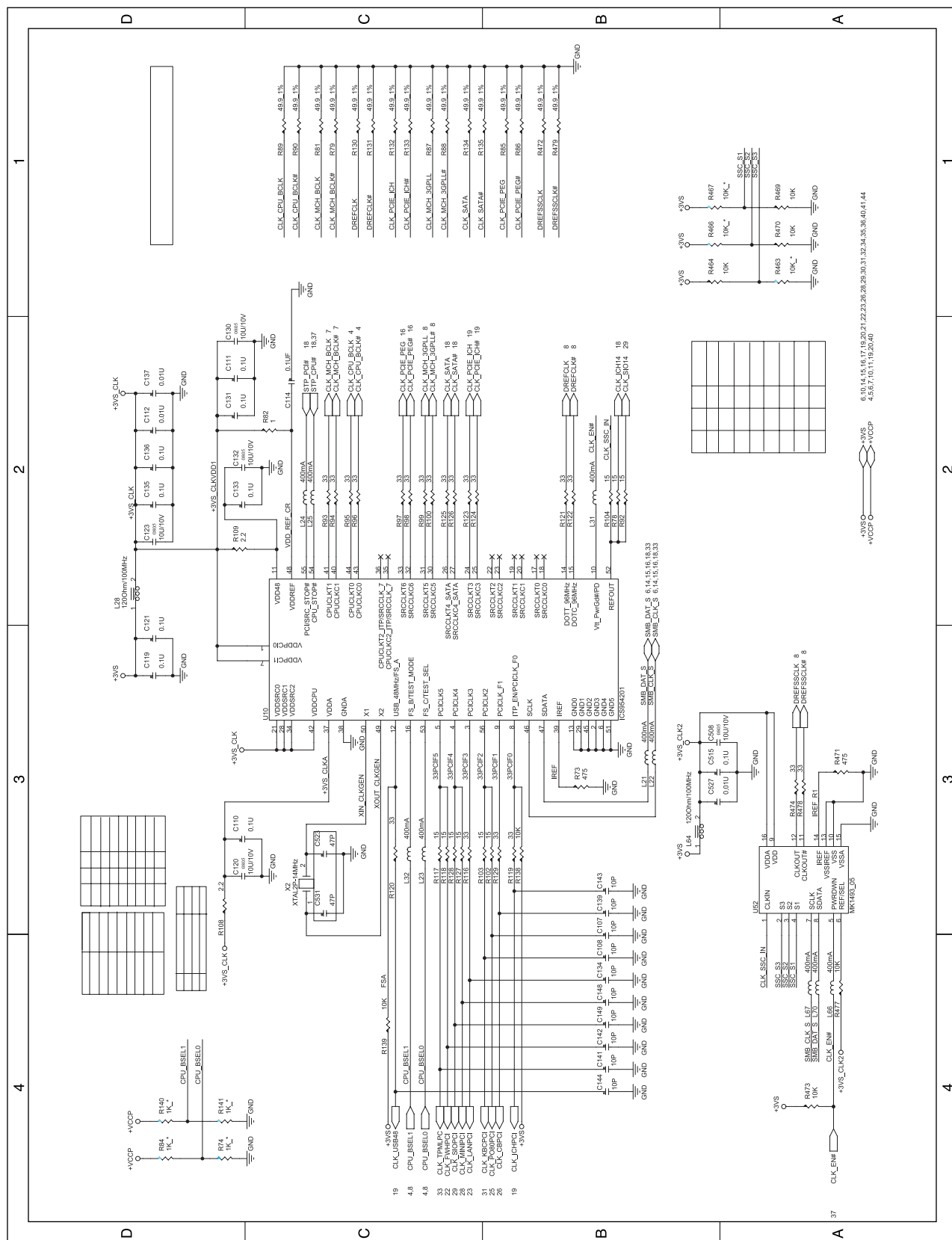
9-1-1(i) Main Board Schematic Sheet 10 of 51



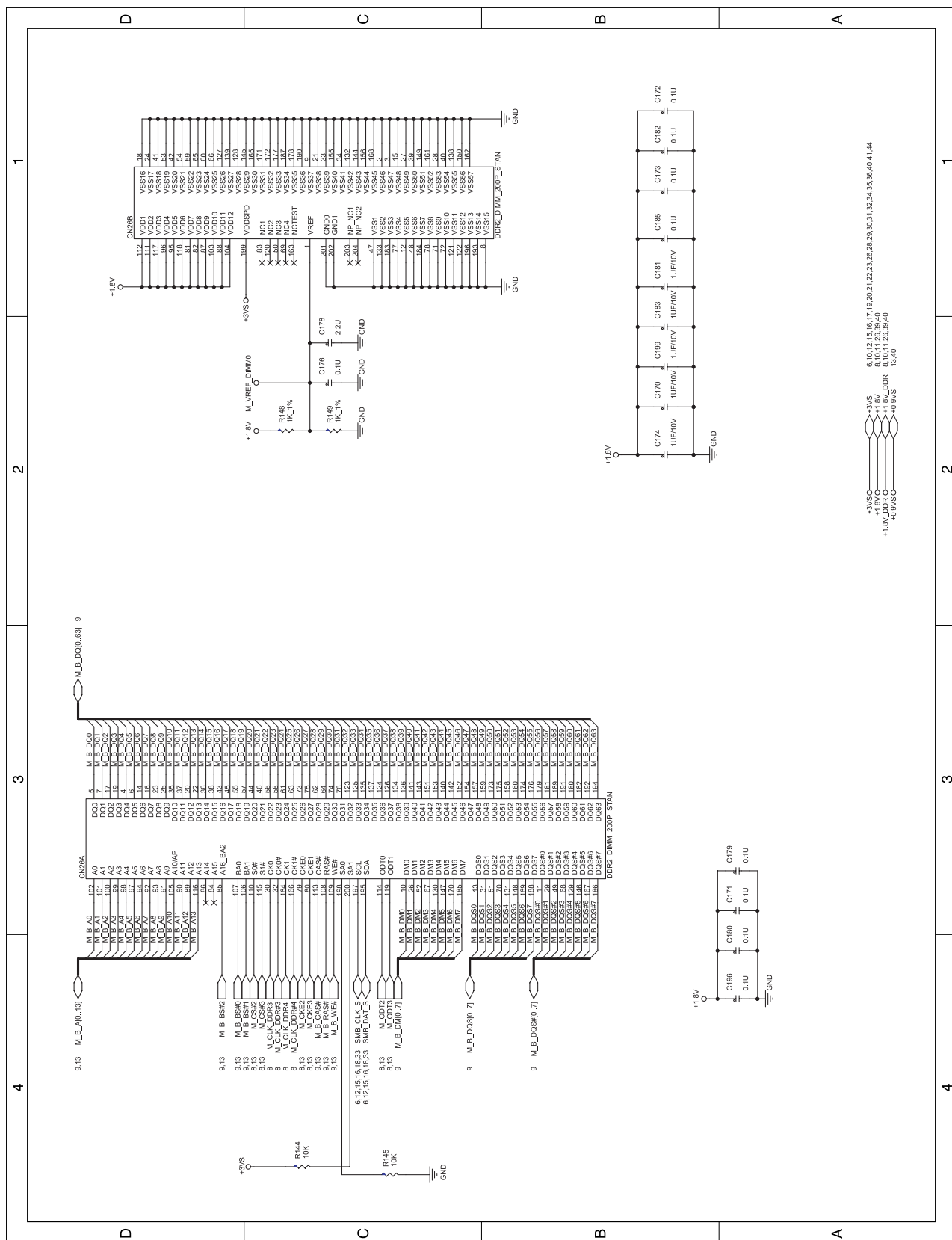
9-1-1(j) Main Board Schematic Sheet 11 of 51



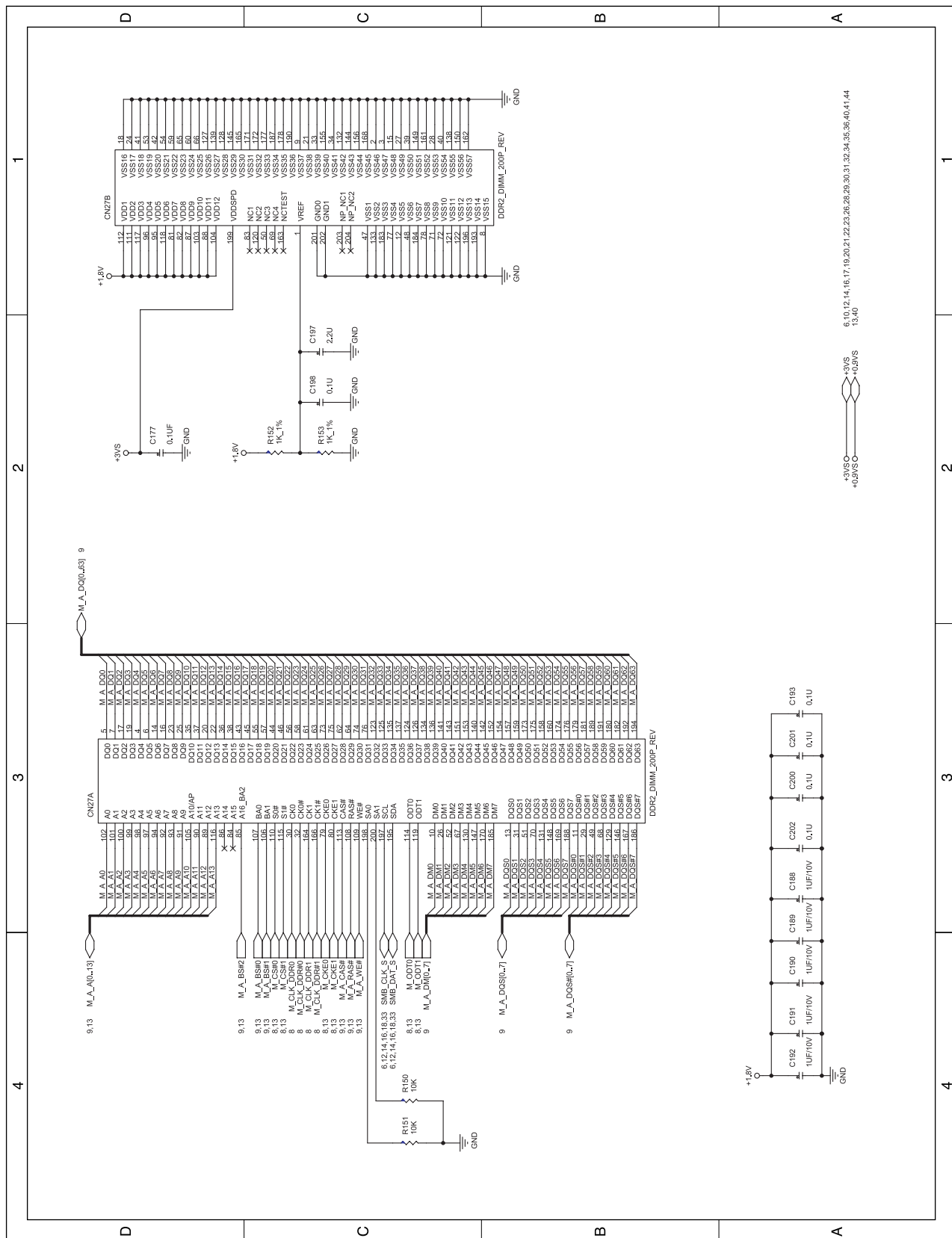
9-1-1(k) Main Board Schematic Sheet 12 of 51



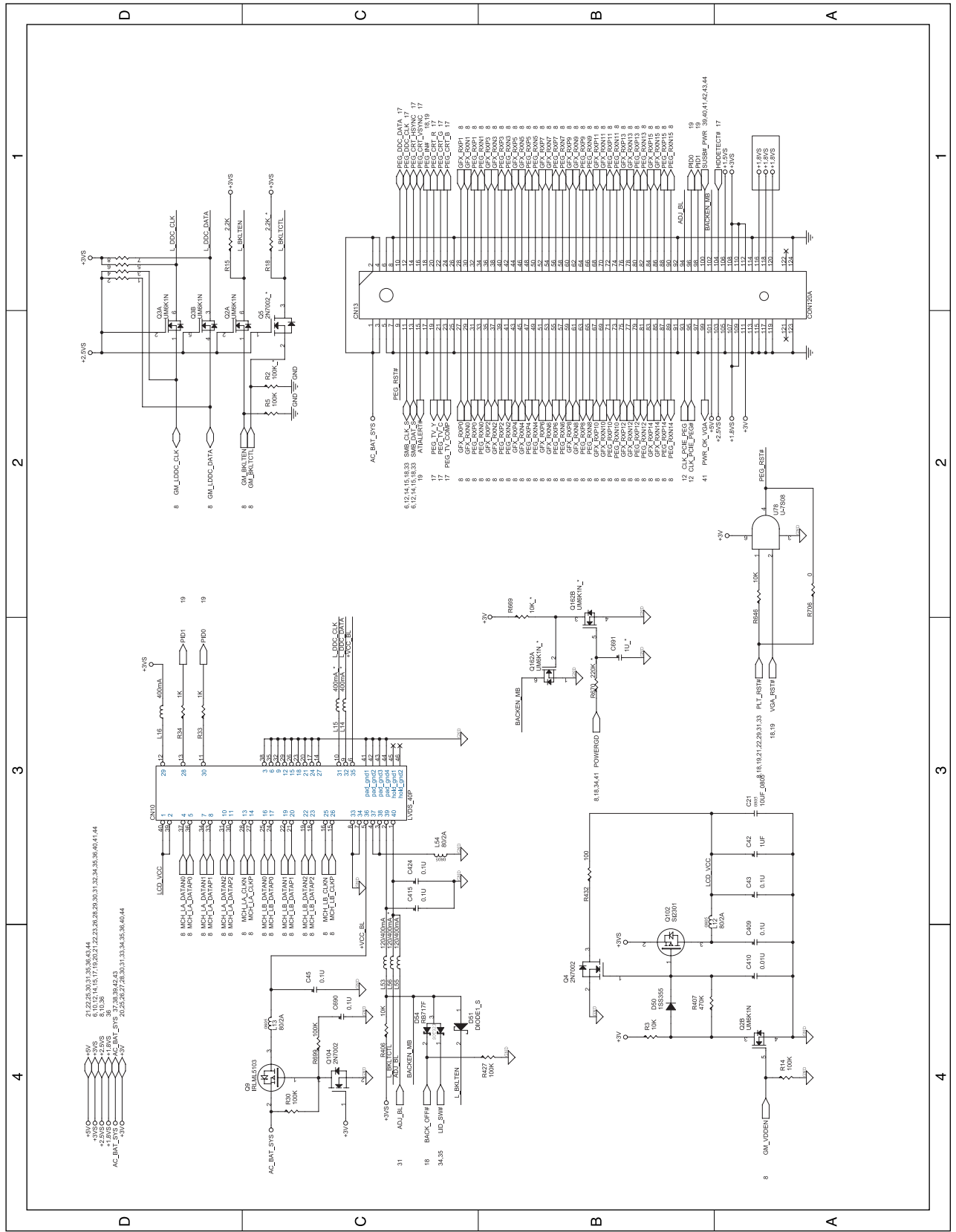
9-1-1(m) Main Board Schematic Sheet 14 of 51



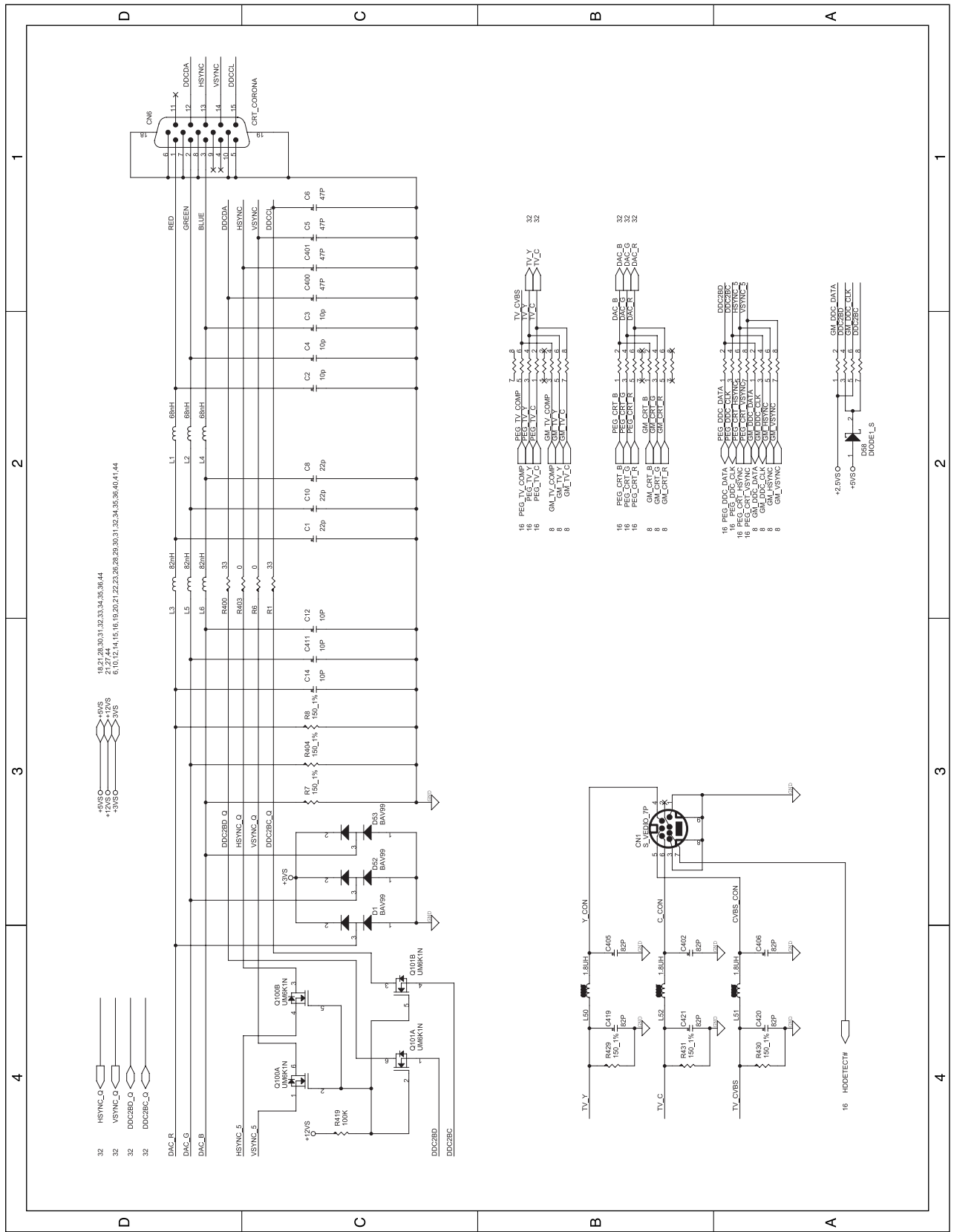
9-1-1(n) Main Board Schematic Sheet 15 of 51



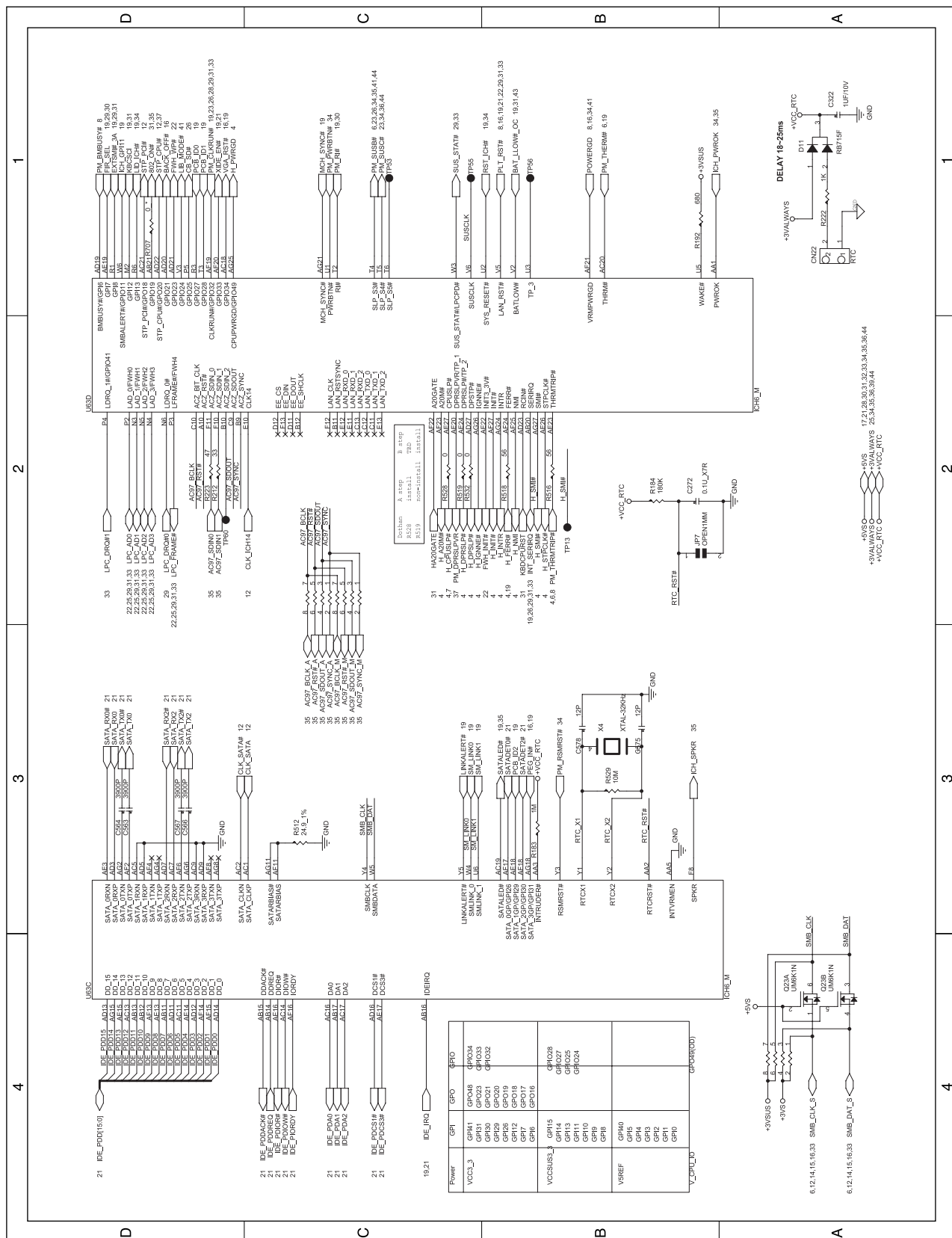
9-1-1(o) Main Board Schematic Sheet 16 of 51



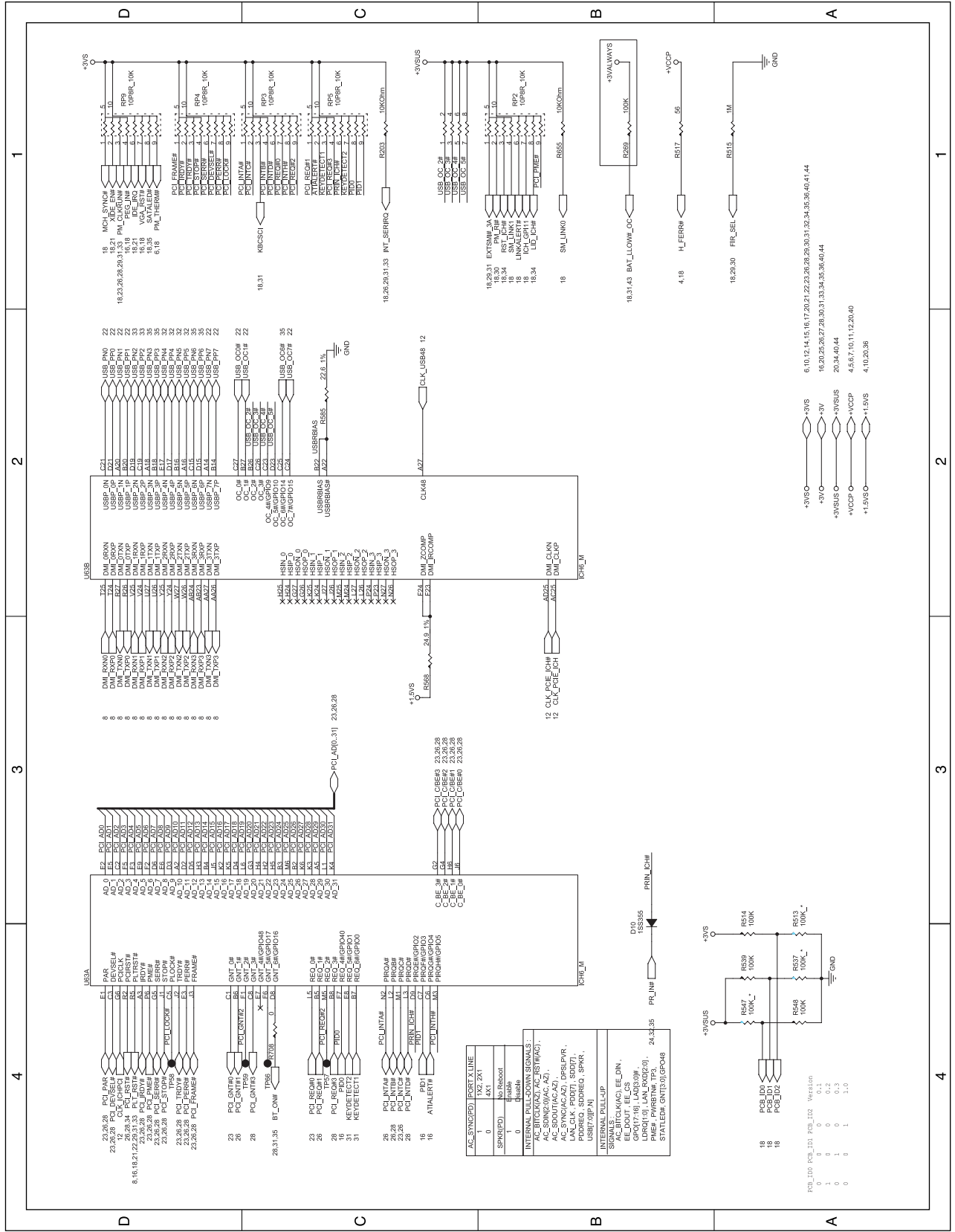
9-1-1(p) Main Board Schematic Sheet 17 of 51



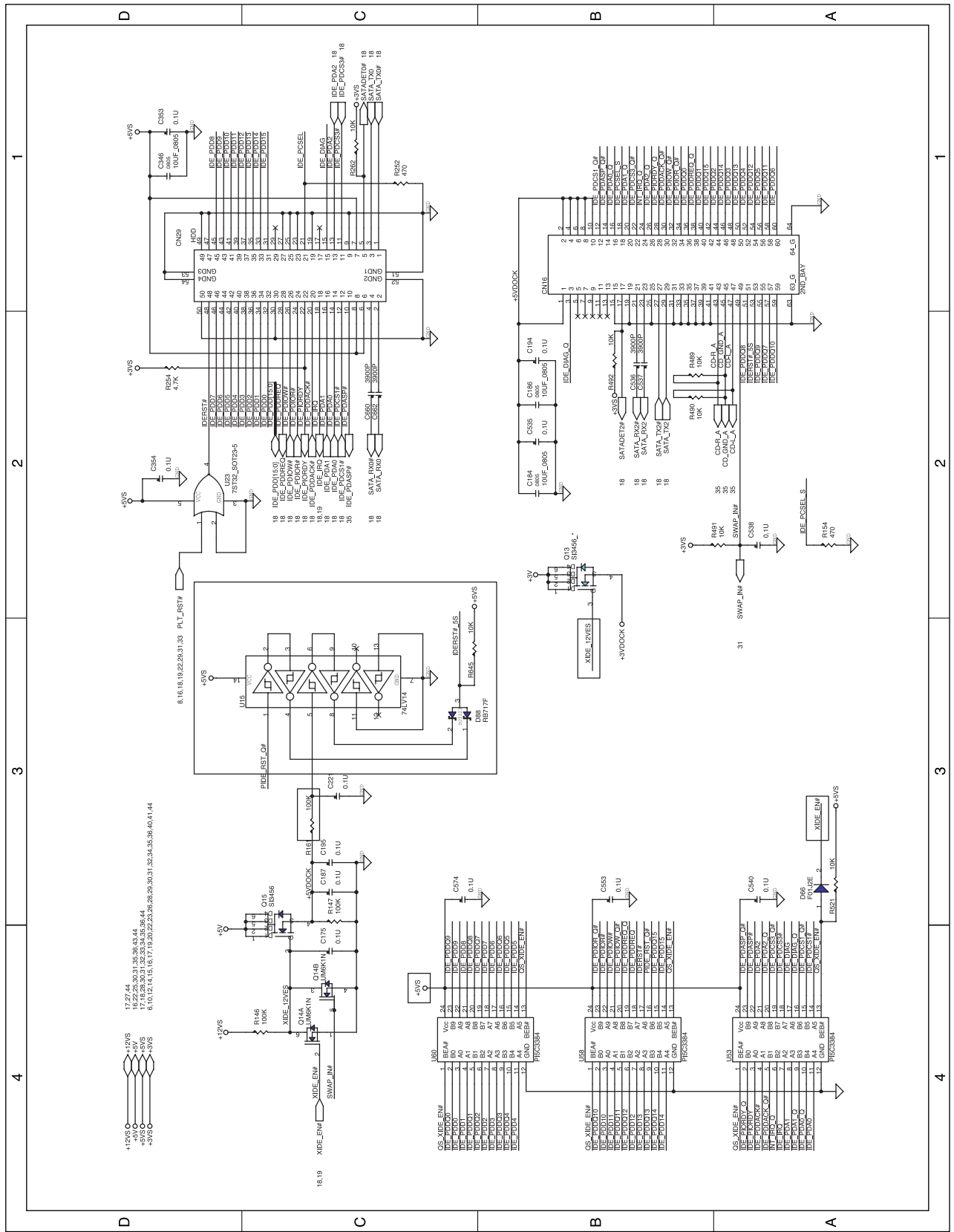
9-1-1(q) Main Board Schematic Sheet 18 of 51



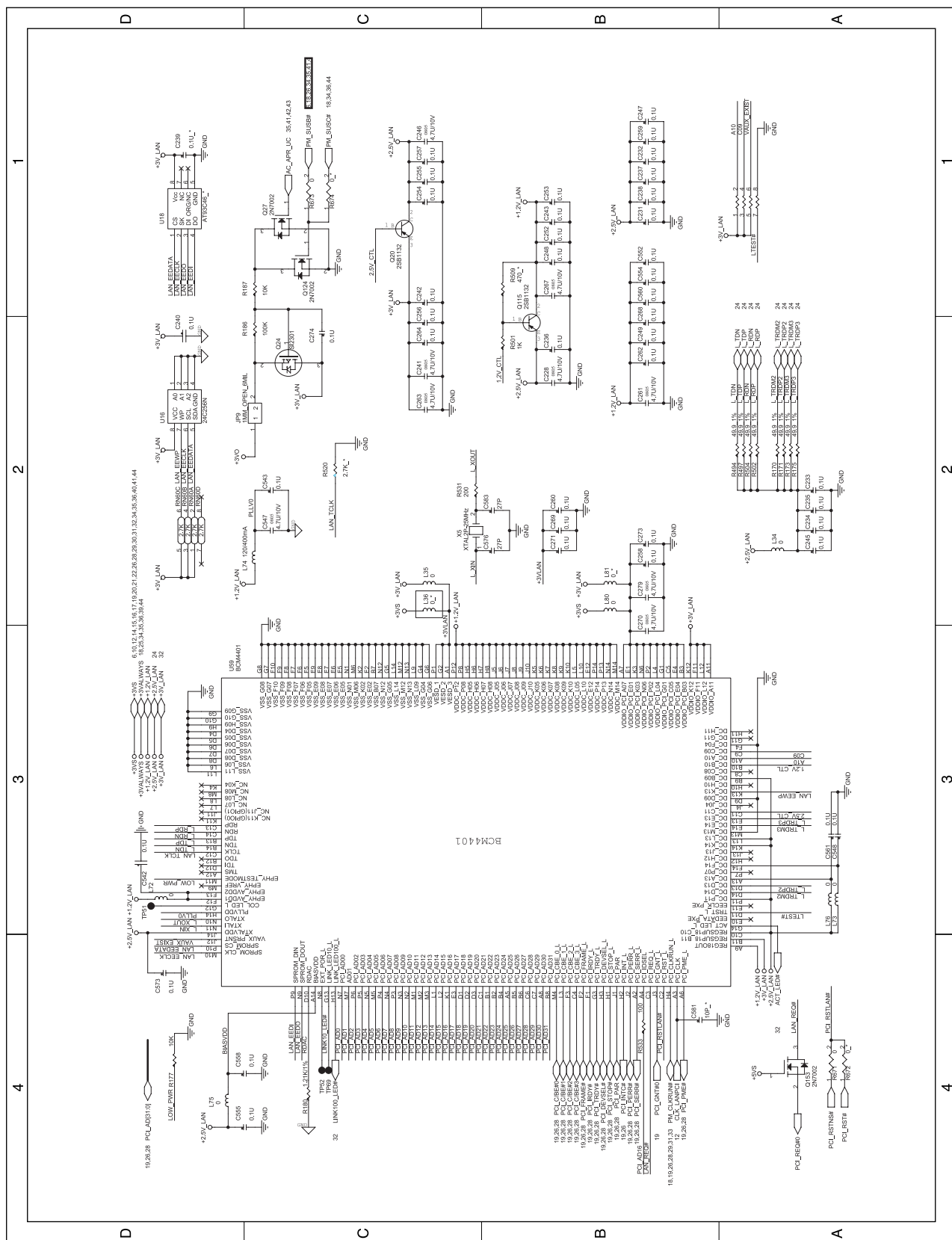
9-1-1(r) Main Board Schematic Sheet 19 of 51



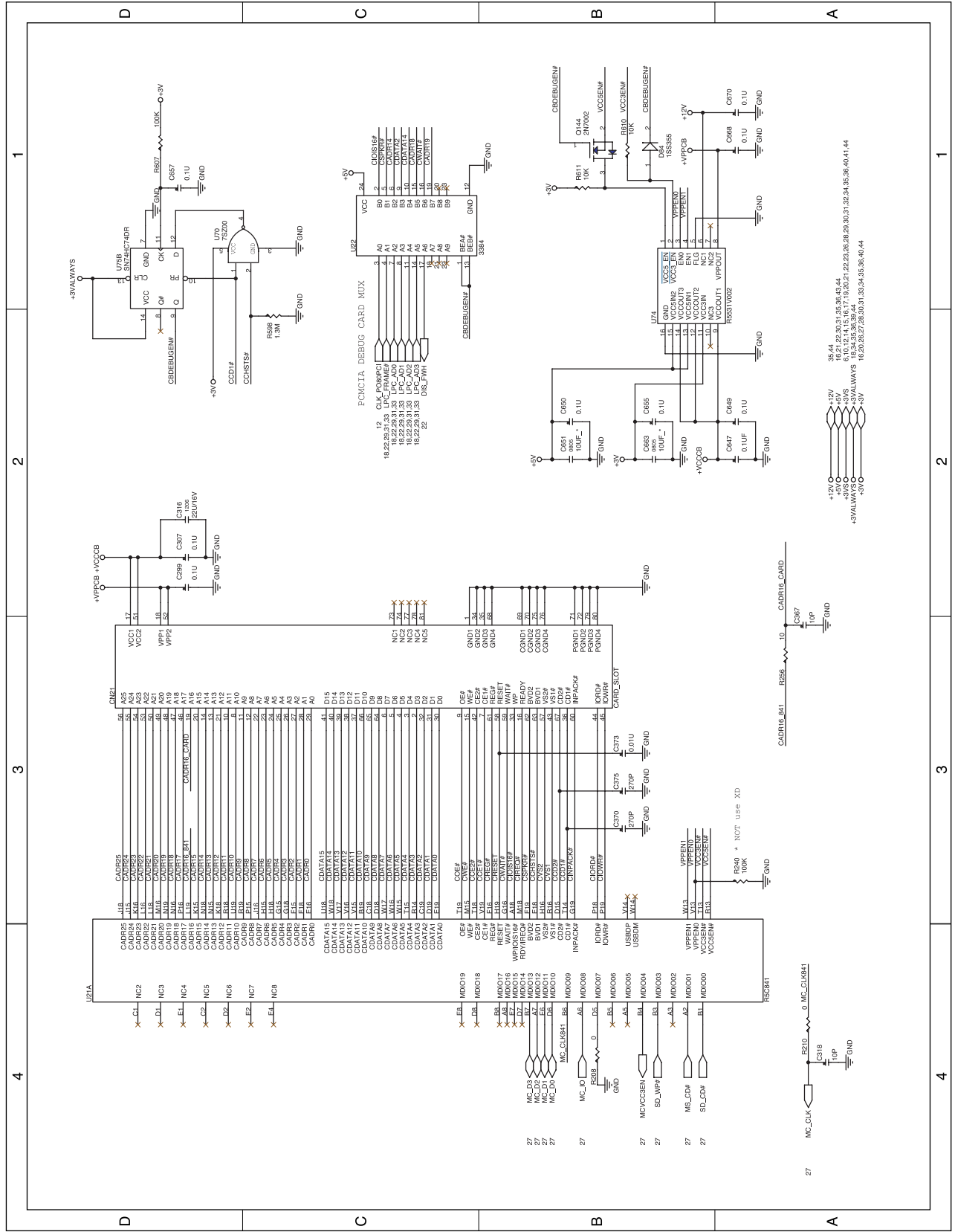
9-1-1(t) Main Board Schematic Sheet 21 of 51



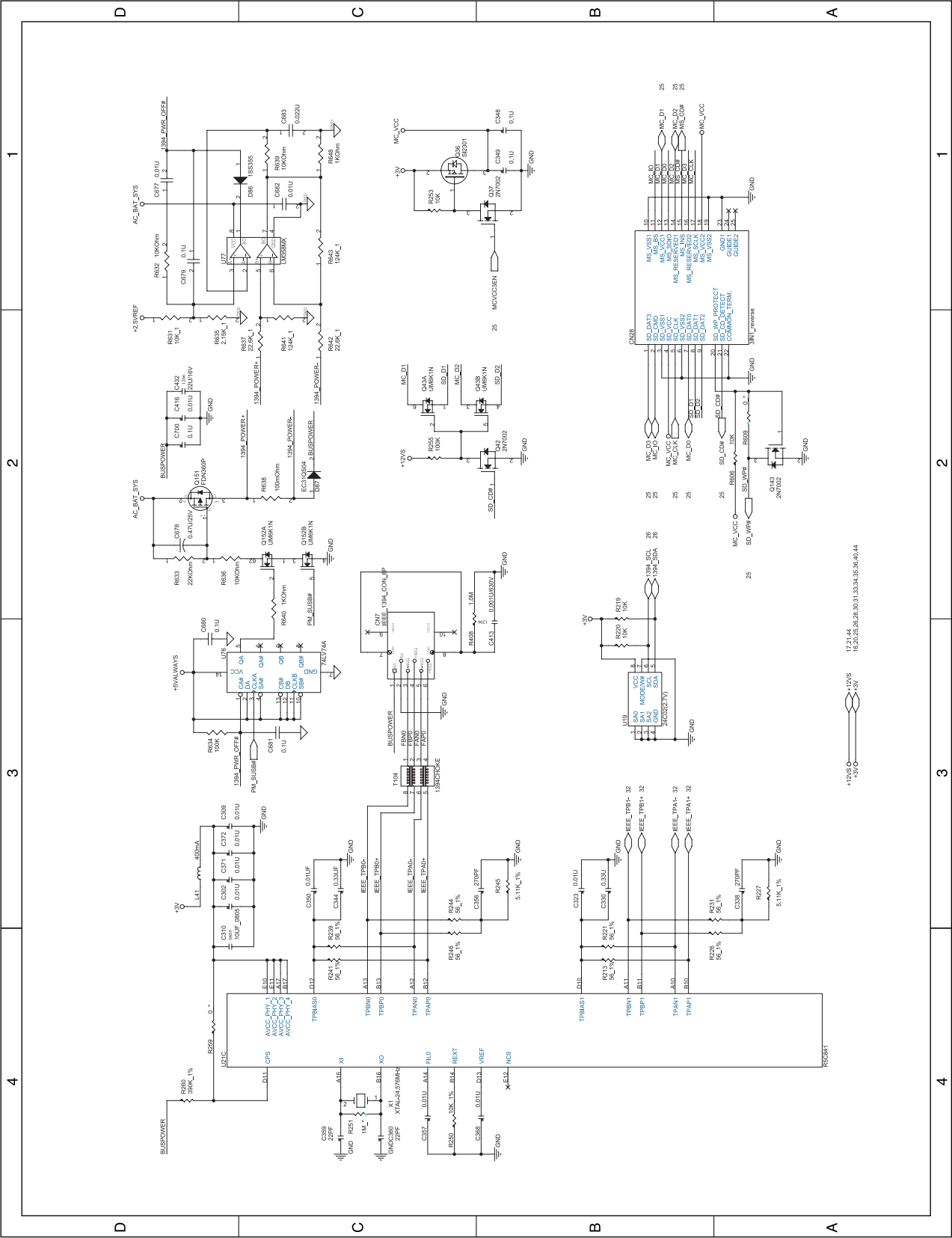
9-1-1(v) Main Board Schematic Sheet 23 of 51



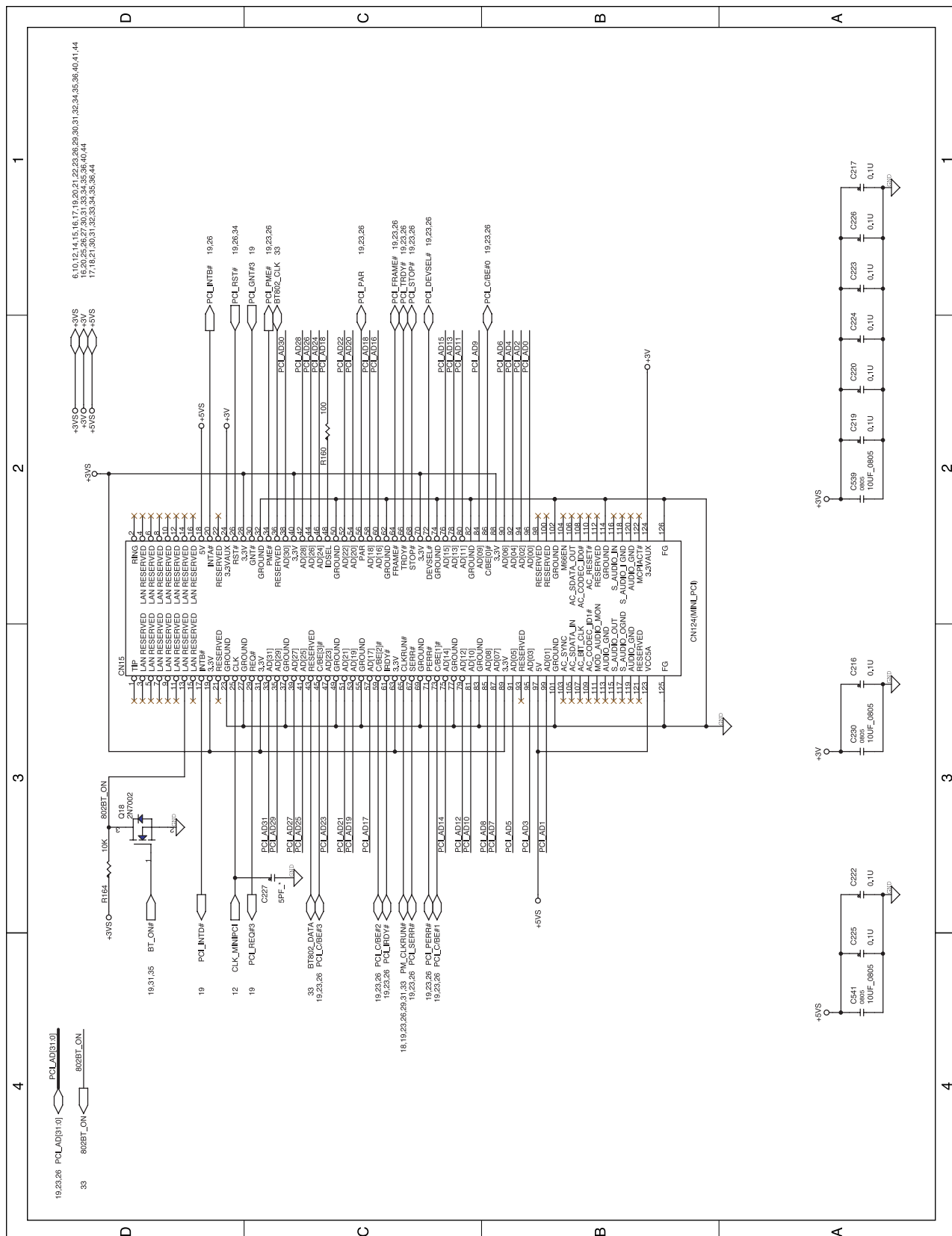
9-1-1(x) Main Board Schematic Sheet 25 of 51



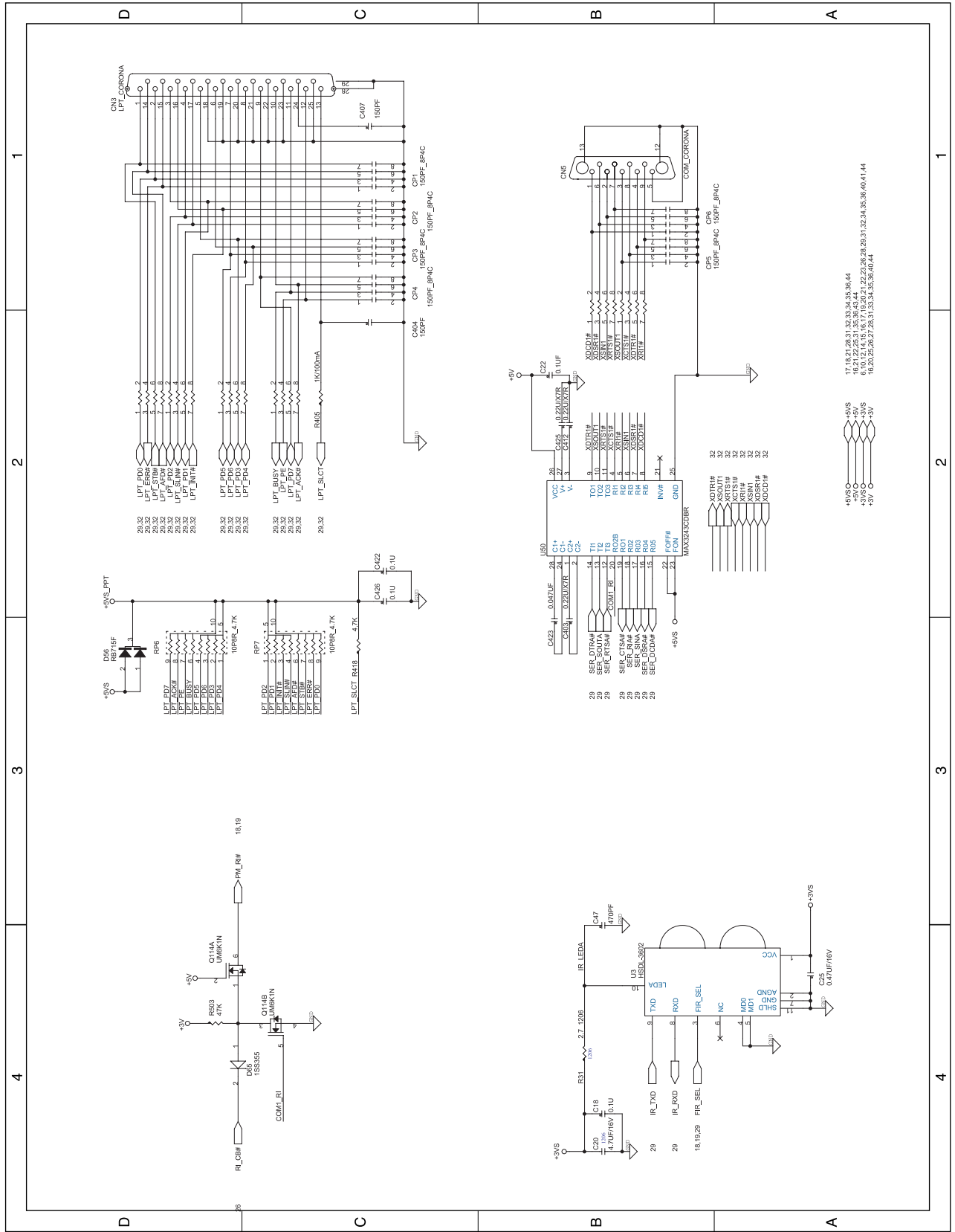
9-1-1(z) Main Board Schematic Sheet 27 of 51



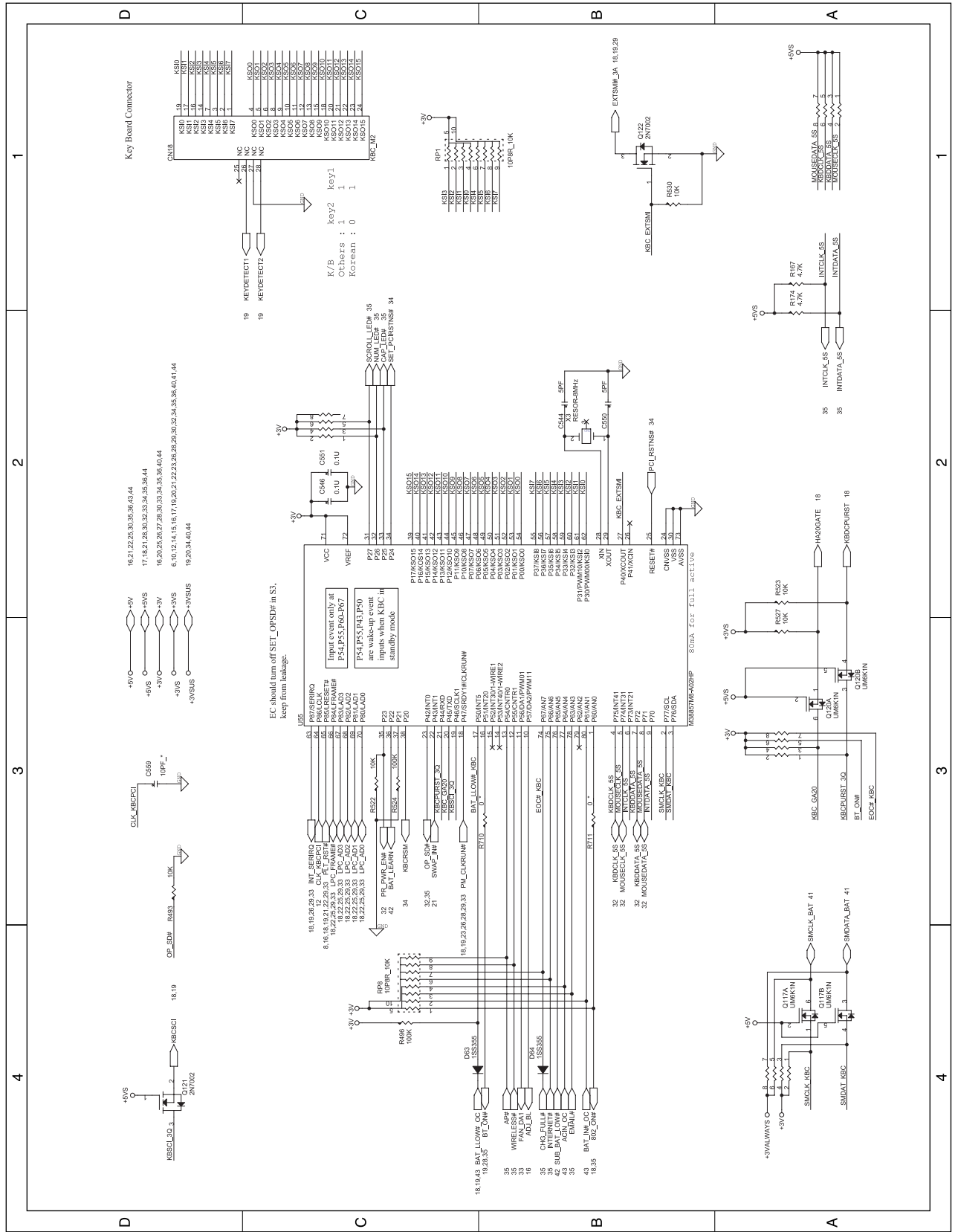
9-1-1(aa) Main Board Schematic Sheet 28 of 51



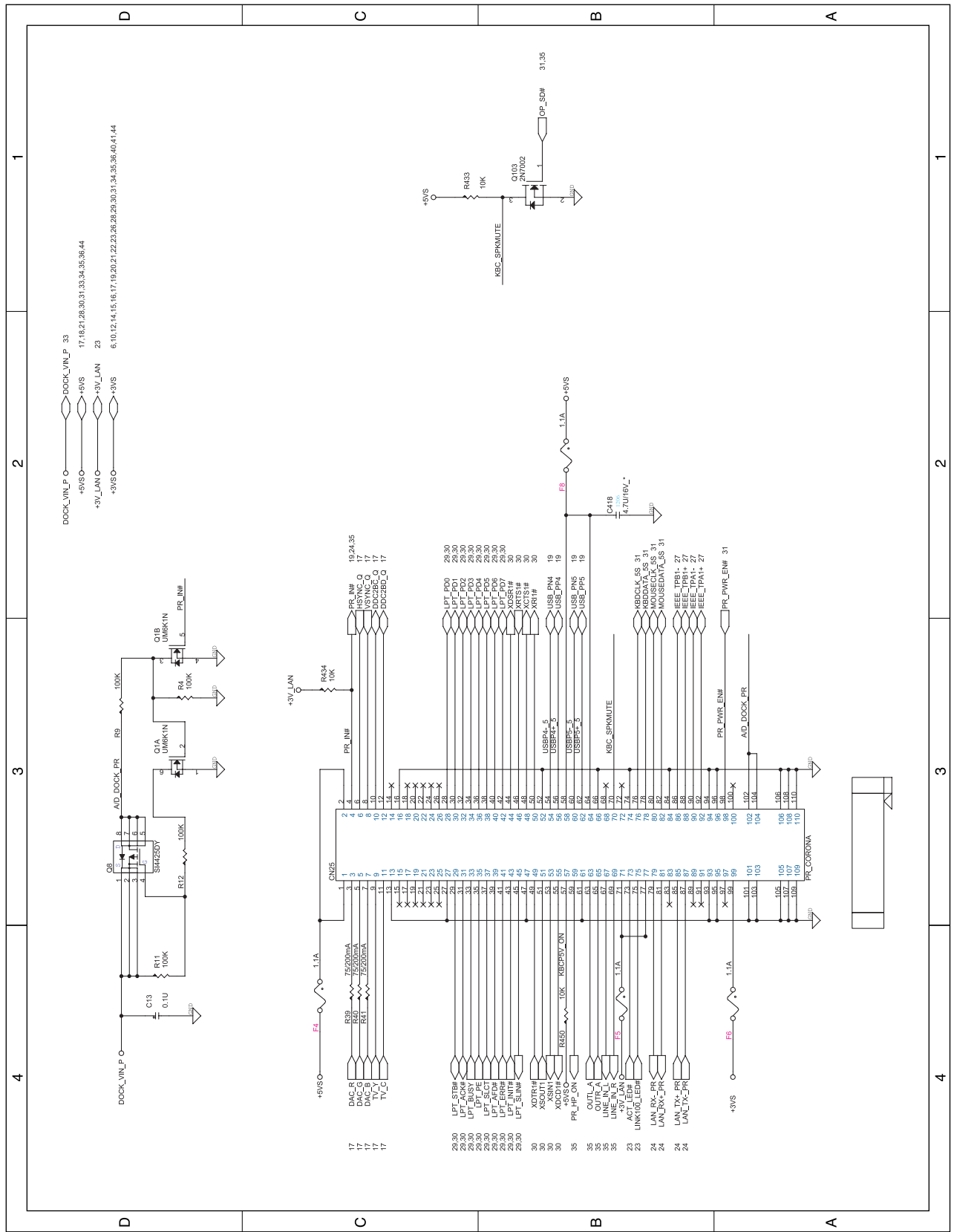
9-1-1(cc) Main Board Schematic Sheet 30 of 51



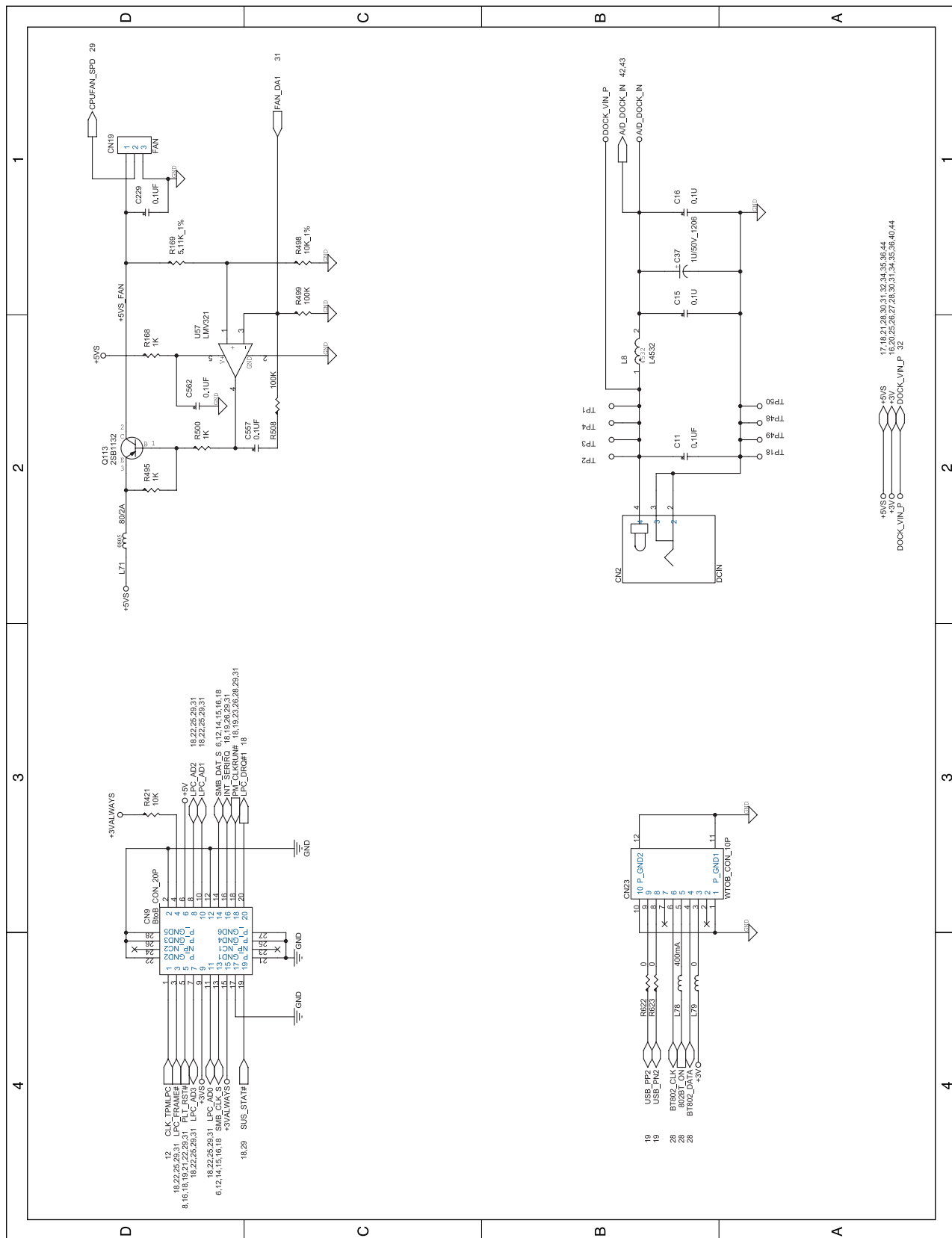
9-1-1(dd) Main Board Schematic Sheet 31 of 51



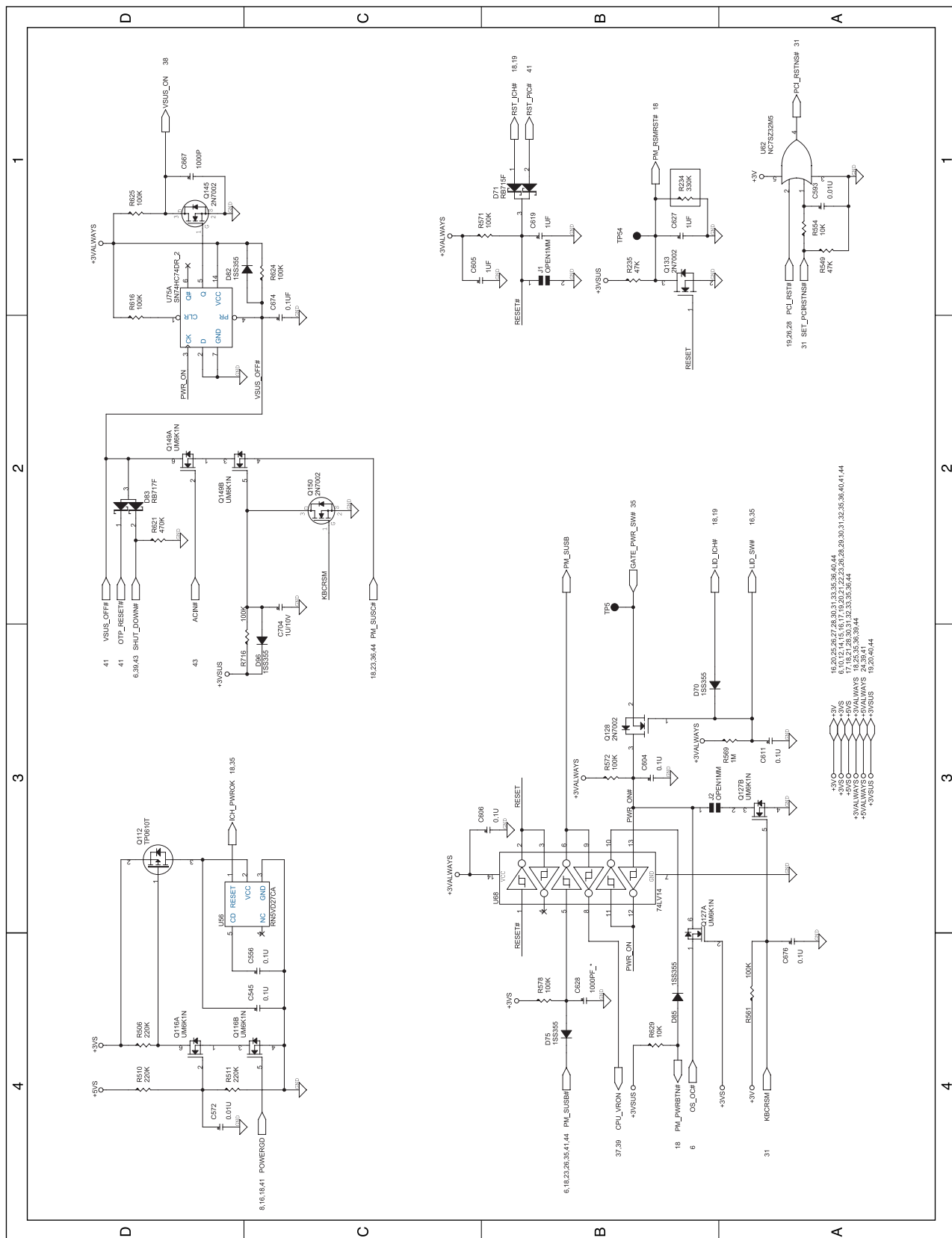
9-1-1(ee) Main Board Schematic Sheet 32 of 51



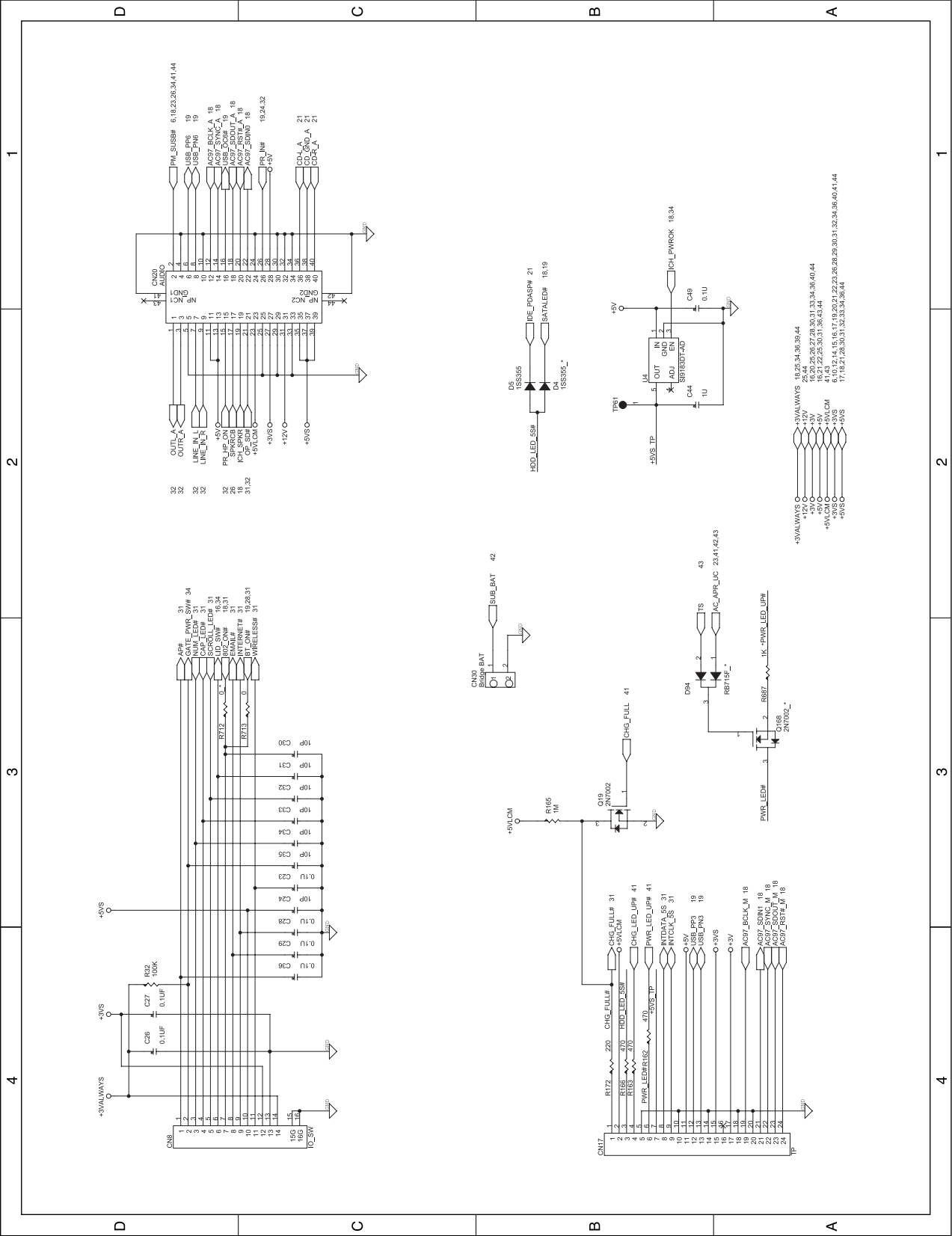
9-1-1(ff) Main Board Schematic Sheet 33 of 51



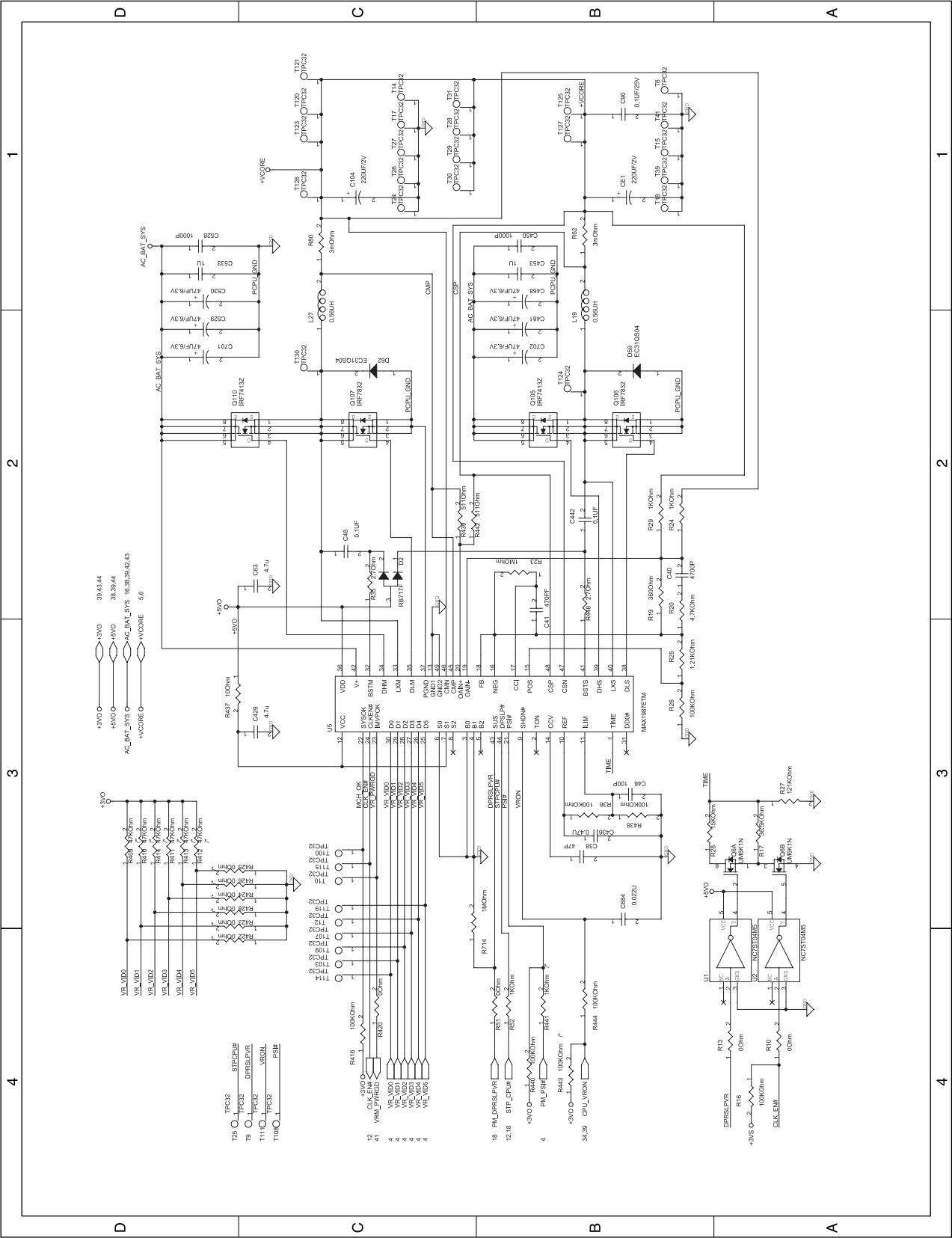
9-1-1(gg) Main Board Schematic Sheet 34 of 51



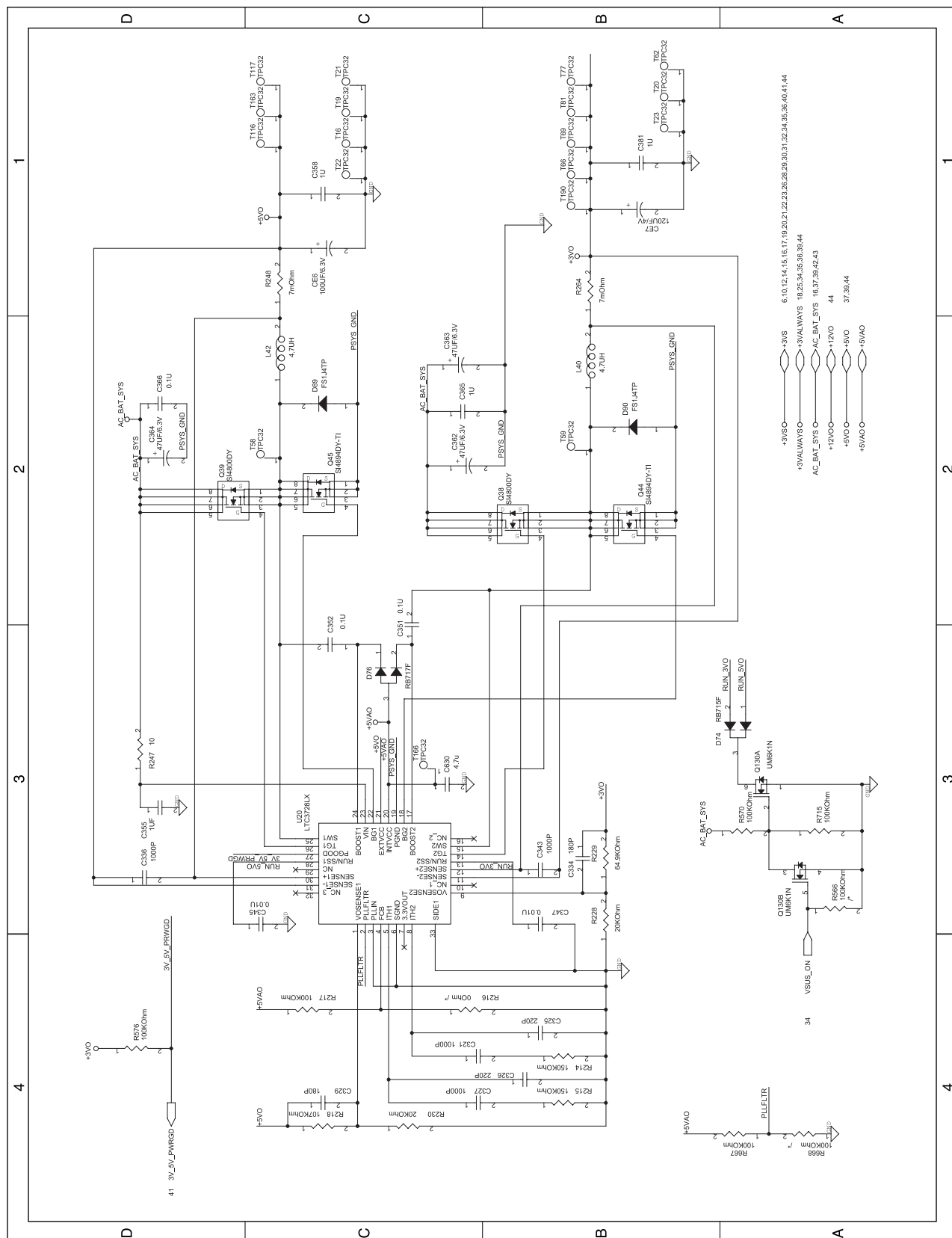
9-1-1(hh) Main Board Schematic Sheet 35 of 51



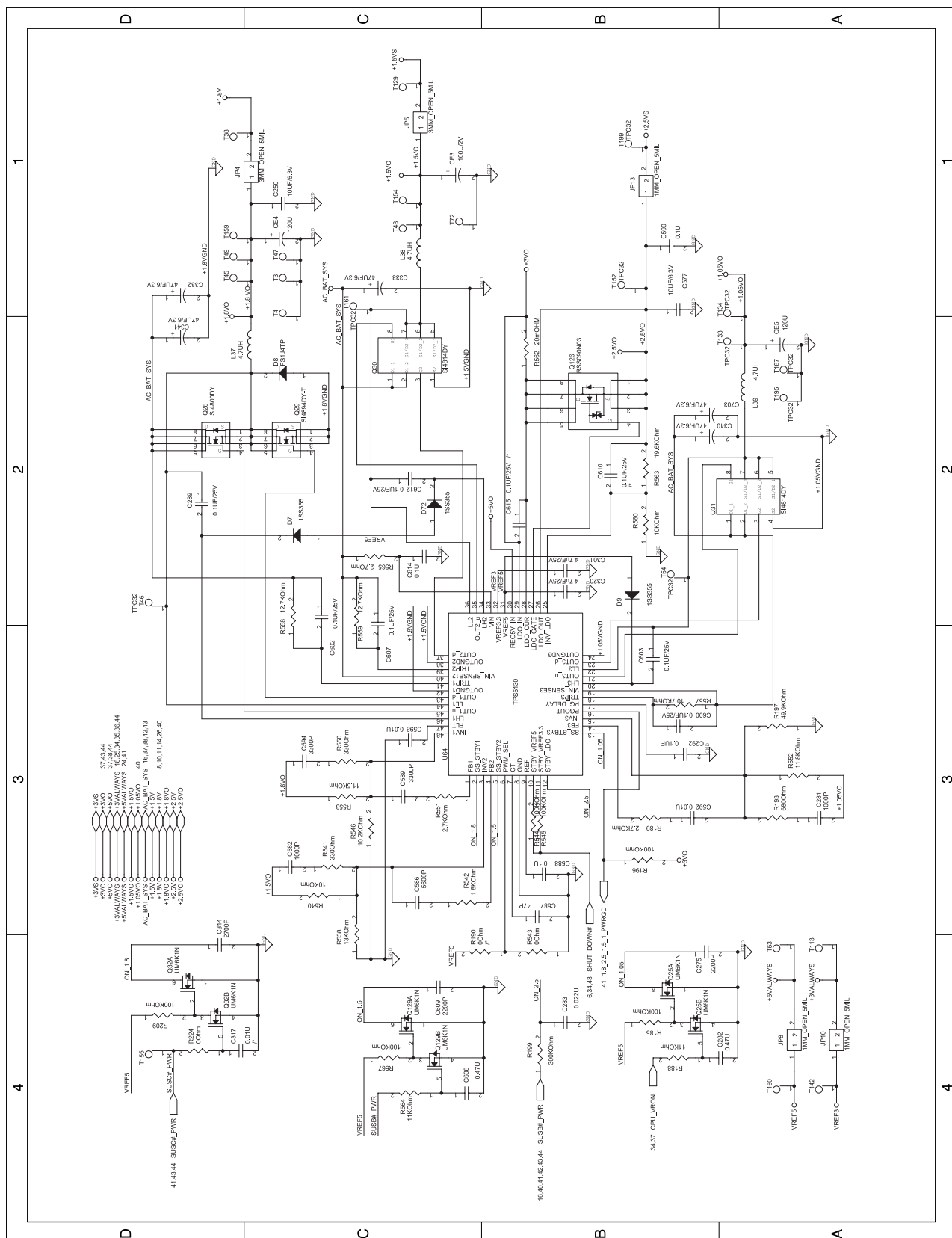
9-1-1(jj) Main Board Schematic Sheet 37 of 51



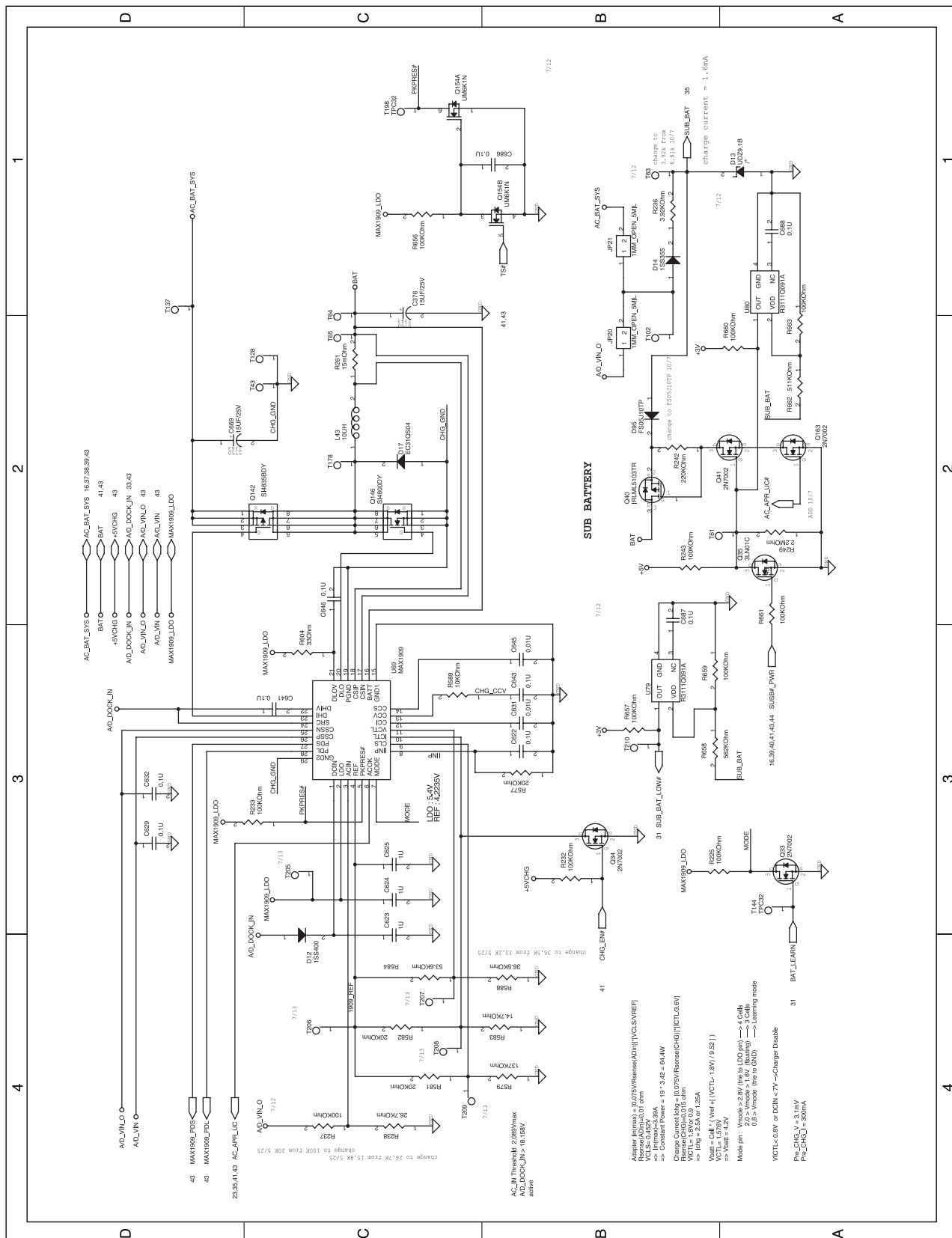
9-1-1(kk) Main Board Schematic Sheet 38 of 51



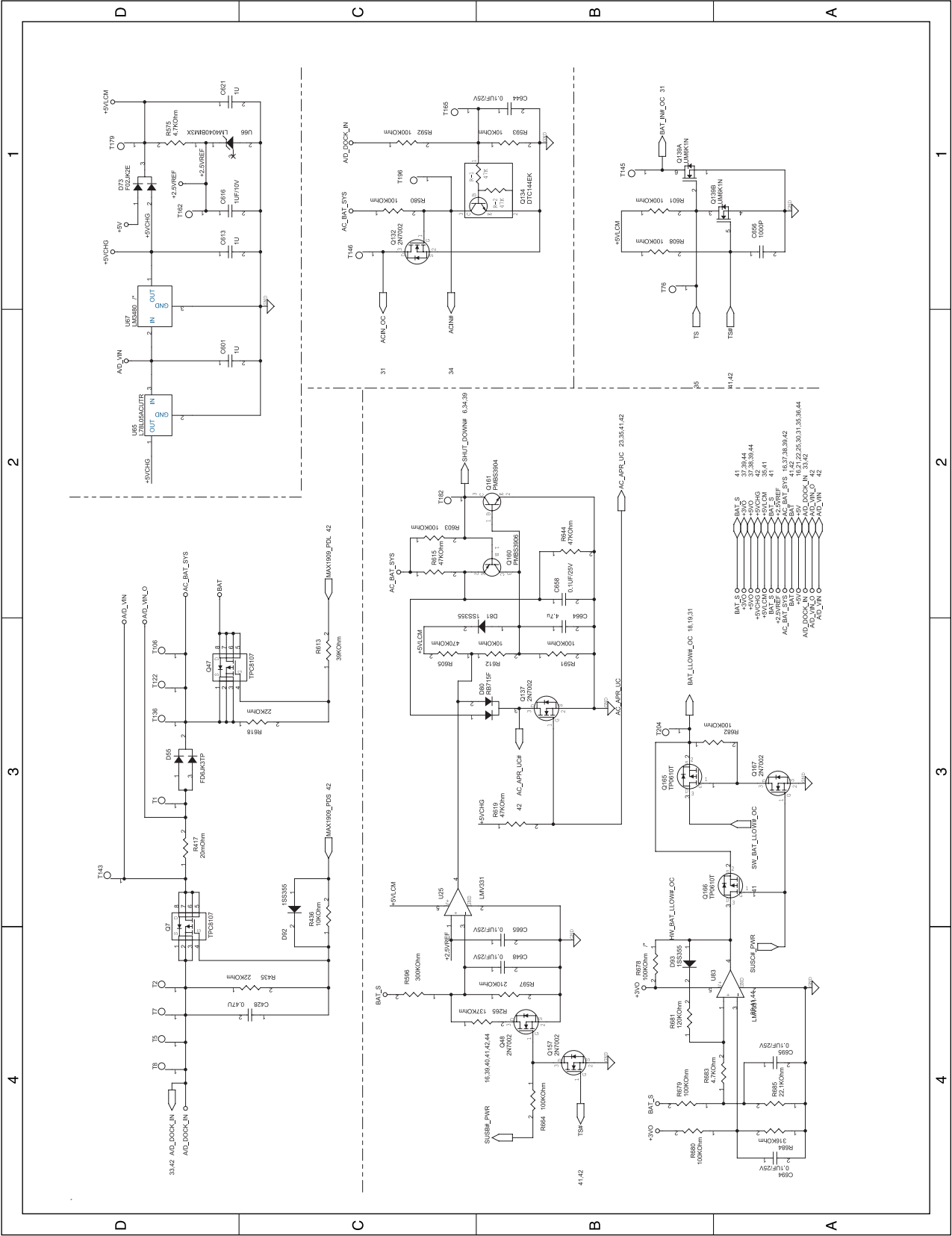
9-1-1(II) Main Board Schematic Sheet 39 of 51



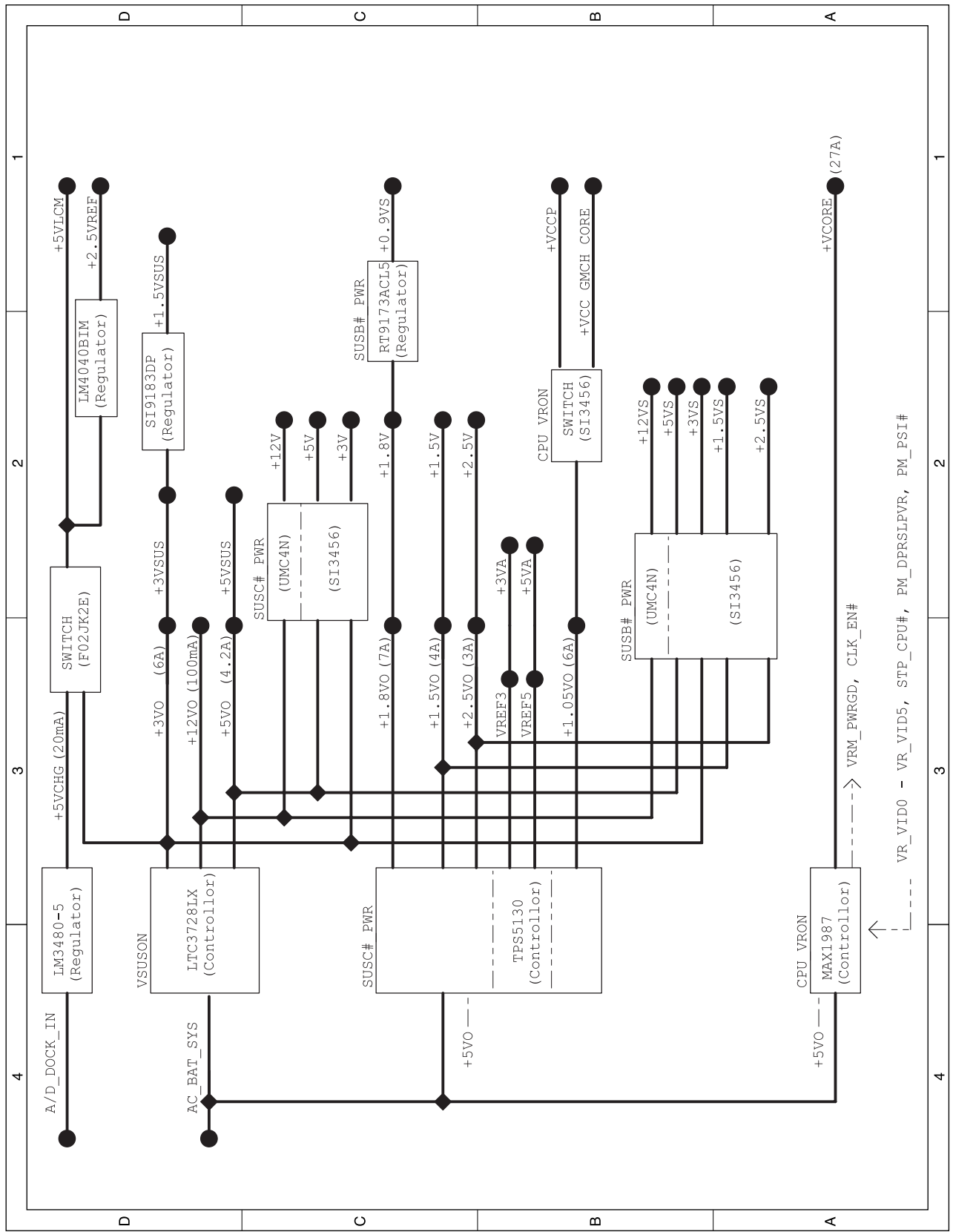
9-1-1(oo) Main Board Schematic Sheet 42 of 51



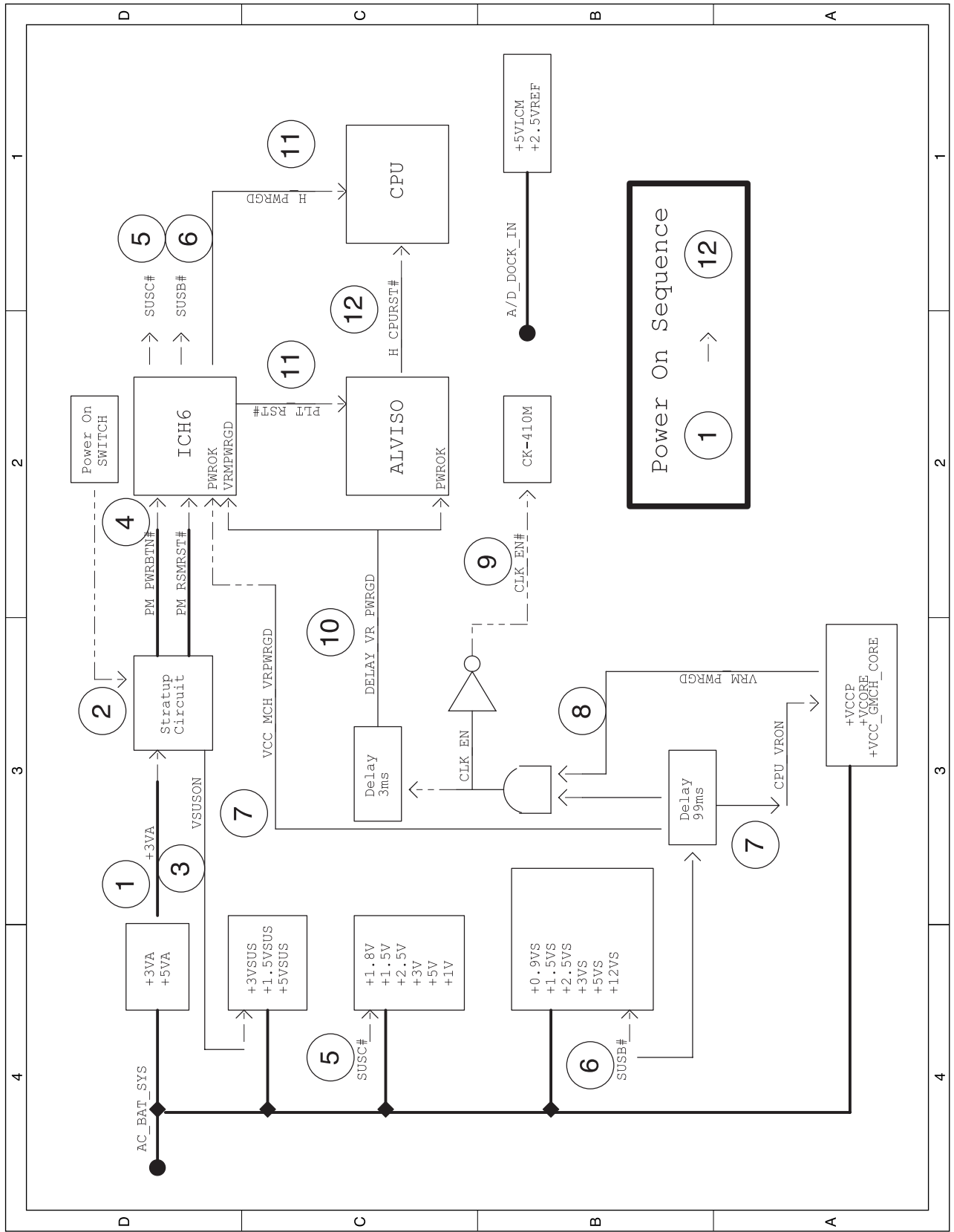
9-1-1(pp) Main Board Schematic Sheet 43 of 51



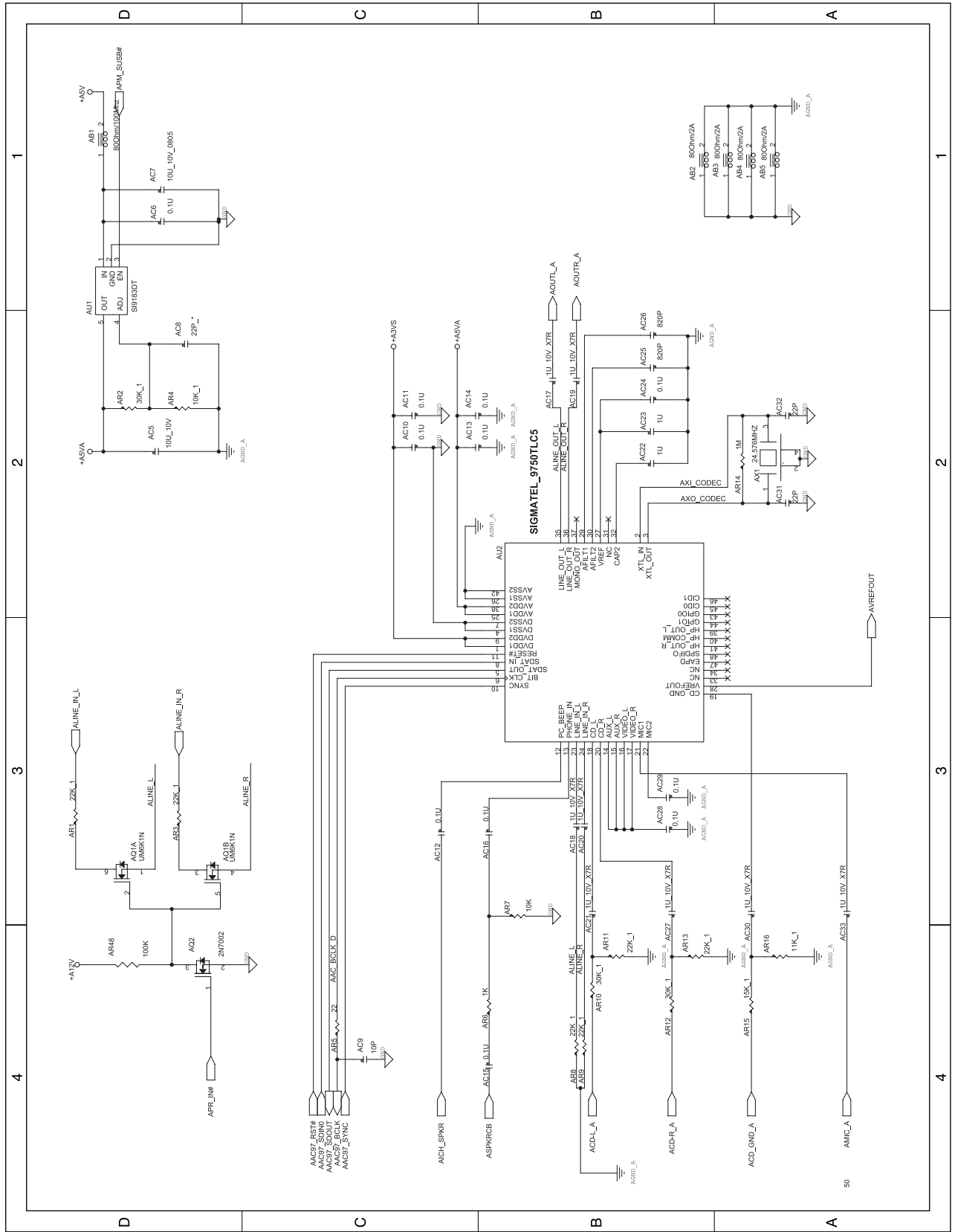
9-1-1(rr) Main Board Schematic Sheet 45 of 51



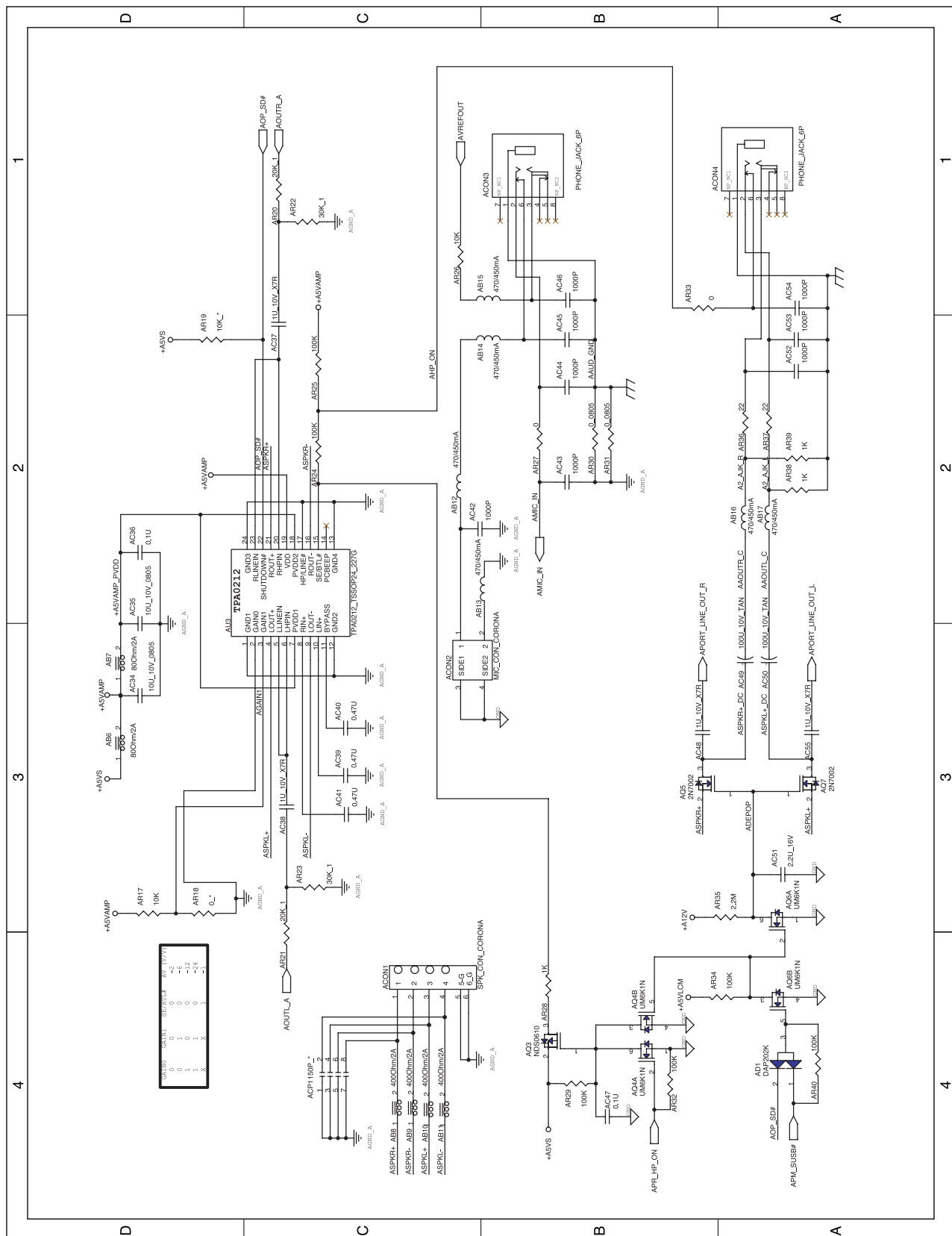
9-1-1(ss) Main Board Schematic Sheet 46 of 51



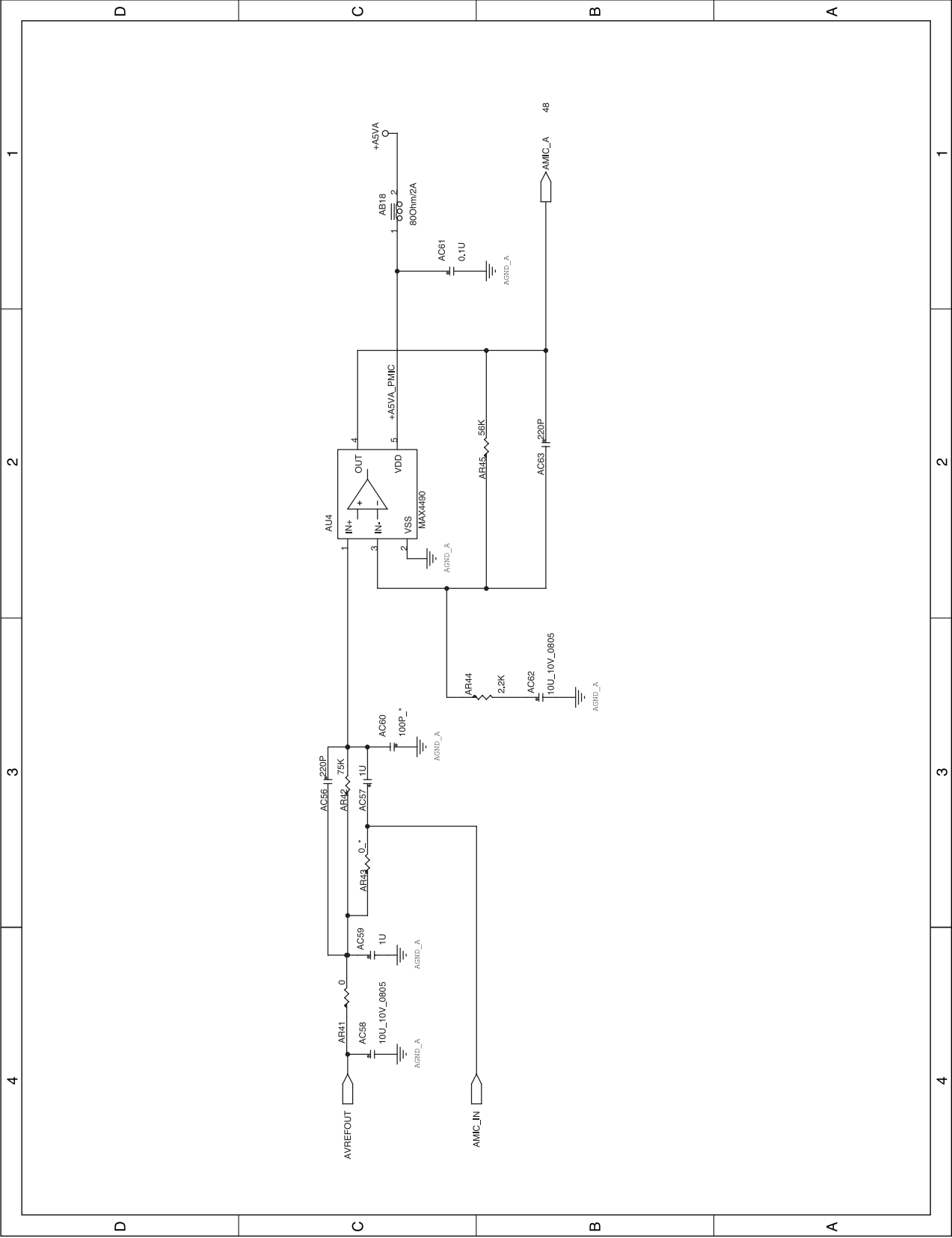
9-1-1(yy) Main Board Schematic Sheet 48 of 51



9-1-1(vv) Main Board Schematic Sheet 49 of 51



9-1-1(ww) Main Board Schematic Sheet 50 of 51



9-1-1(xx) Main Board Schematic Sheet 51 of 51

