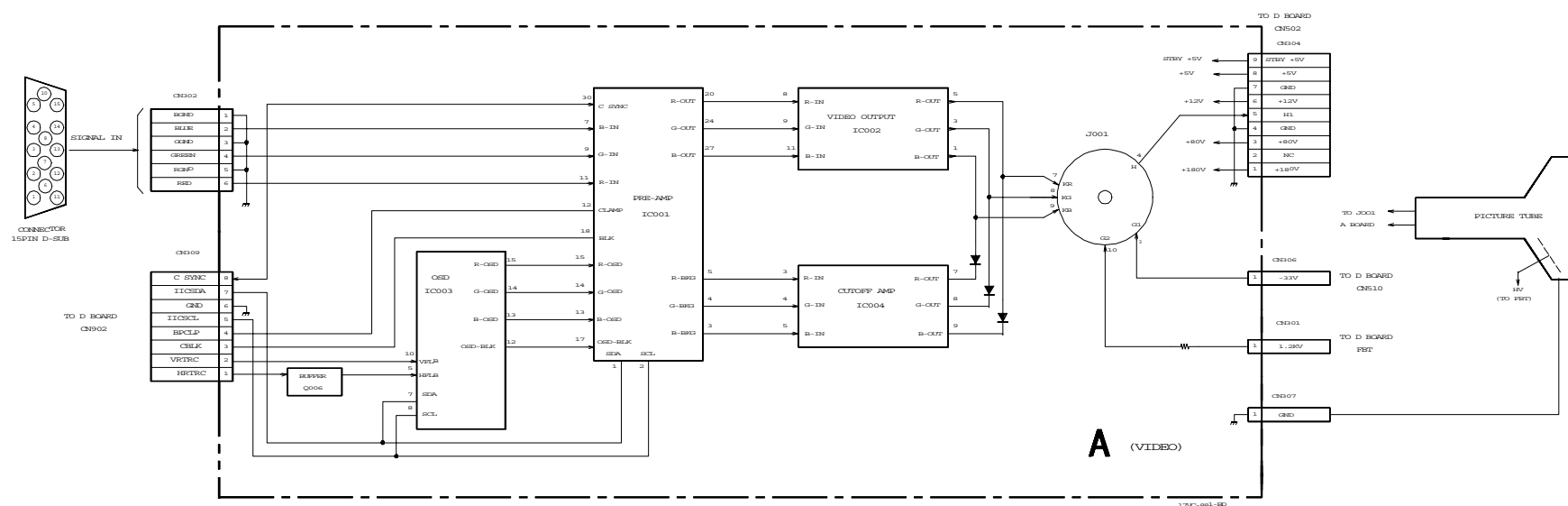
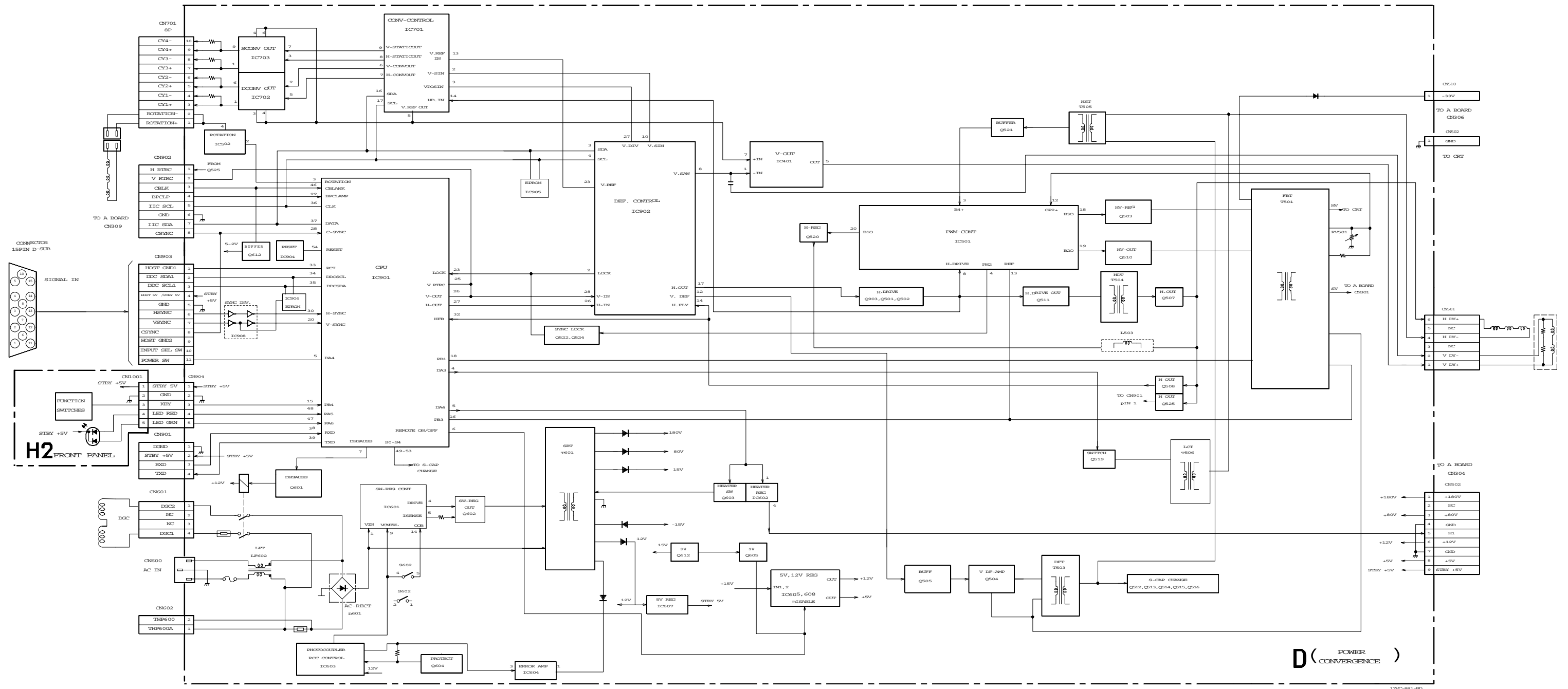


4-3. BLOCK DIAGRAM AND SCHEMATICS

BLOCK DIAGRAM (1 OF 2)

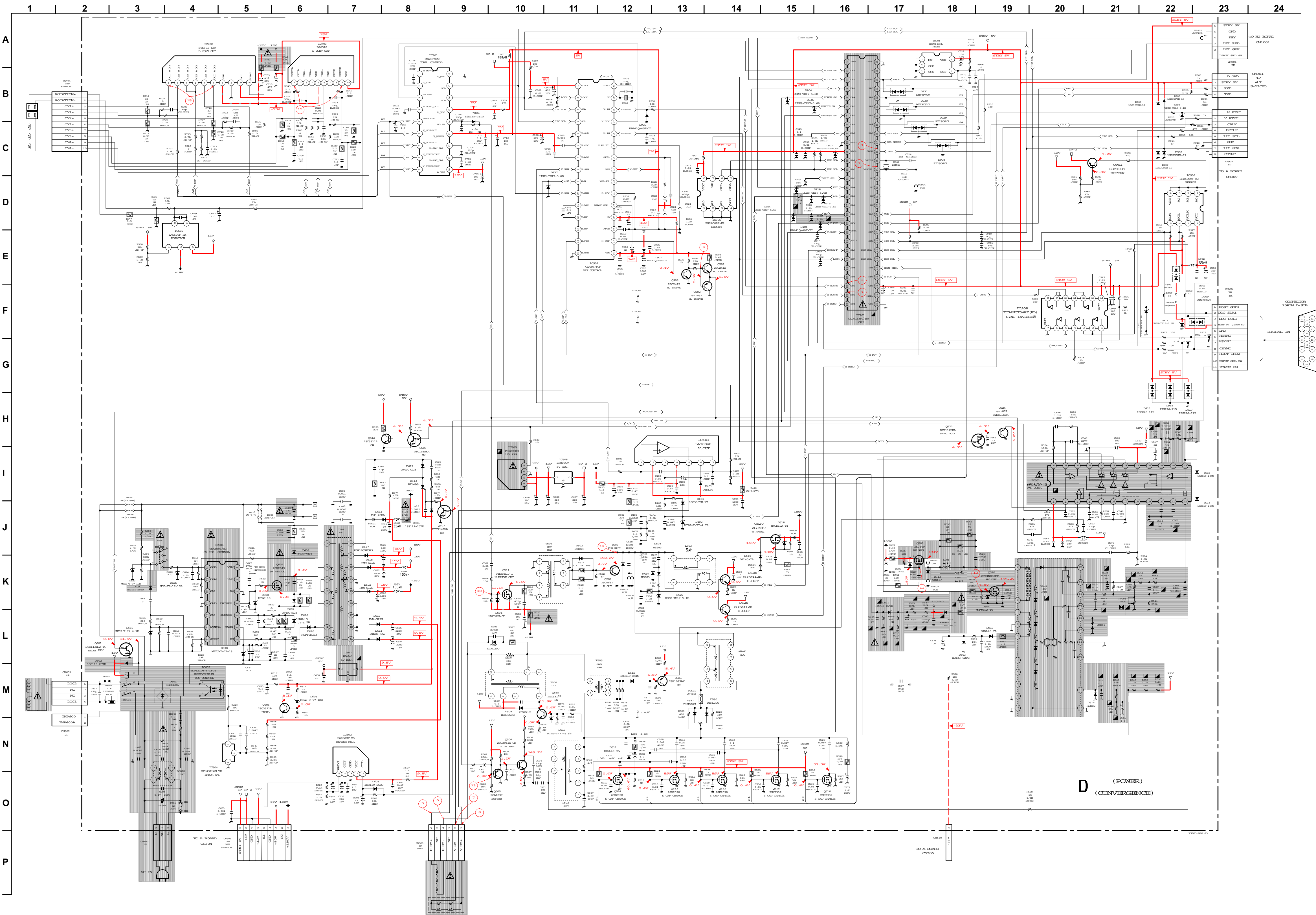


BLOCK DIAGRAM (2 OF 2)





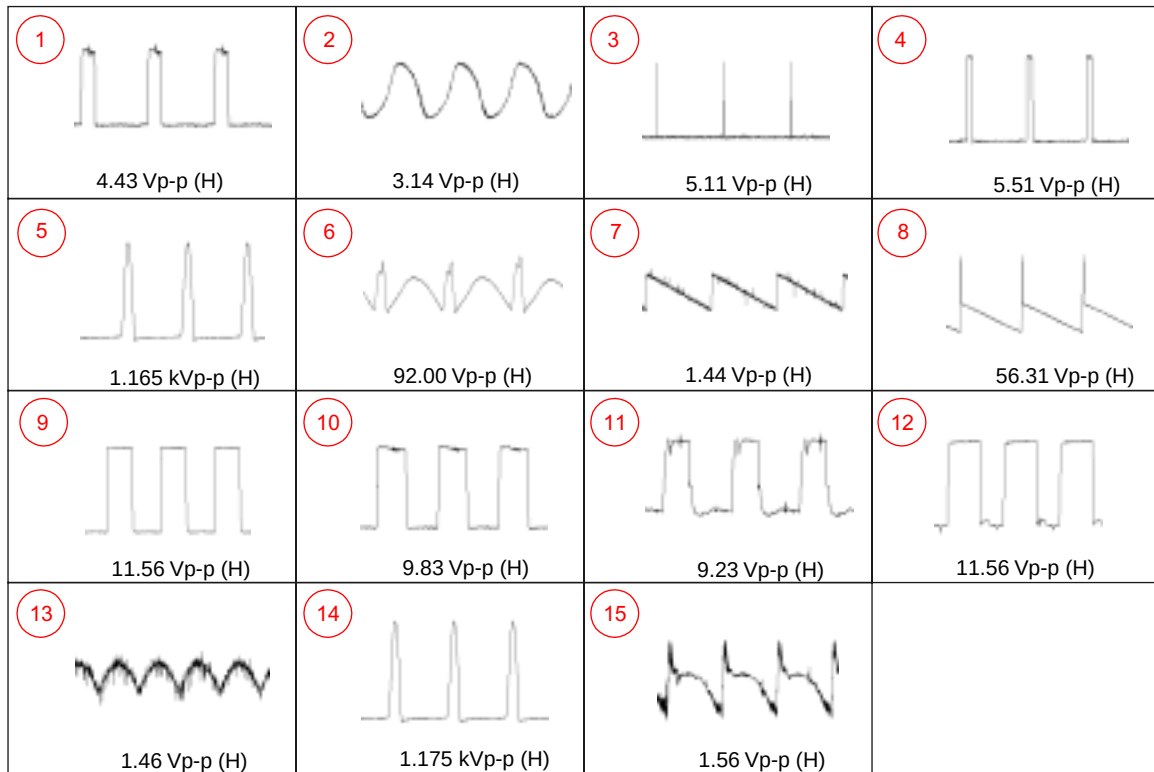
D BOARD SCHEMATIC DIAGRAM



D BOARD LOCATOR LIST

DIODE				COMP	COND		COMP	COND		COMP	COND		COMP	COND
	COMP	COND	D527	C-6	--	D902	--	G-2	IC601	I-7	--	Q513	--	G-9
D401	D-4	--	D530	A-7	--	D903	D-2	--	IC602	F-5	--	Q514	--	G-8
D402	D-5	--	D531	A-7	--	D904	--	H-3	IC603	I-5	--	Q515	--	F-9
D403	--	F-5	D601	G-10	--	D905	--	H-4	IC604	H-5	--	Q516	--	F-9
D404	B-2	--	D602	E-11	--	D906	--	H-3	IC605	F-4	--	Q519	--	F-6
D501	B-5	--	D603	F-5	--	D907	--	H-3	IC607	F-5	--	Q520	C-5	--
D502	A-5	--	D605	--	B-5	D908	--	H-4	IC608	F-4	--	Q521	--	F-6
D503	D-10	--	D606	H-7	--	D909	--	I-4	IC701	F-1	--	Q522	--	E-2
D504	E-10	--	D607	--	B-6	D911	--	H-4	IC702	G-2	--	Q524	--	D-2
D505	C-6	--	D608	H-7	--	D912	--	I-3	IC703	G-2	--	Q525	D-9	--
D506	A-7	--	D609	I-5	--	D914	--	H-4	IC901	--	G-2	Q601	--	E-10
D507	--	I-4	D610	I-6	--	D917	--	H-4	IC902	D-1	--	Q602	--	B-7
D508	--	F-10	D611	F-8	--	D918	--	H-2	IC904	--	F-2	Q603	--	E-9
D509	D-11	--	D612	F-8	--	D919	--	G-2	IC905	D-1	--	Q604	--	B-5
D510	D-11	--	D613	F-9	--	D920	D-1	--	IC906	--	I-3	Q605	--	D-5
D511	C-8	--	D614	F-6	--	D924	--	H-2	IC908	--	I-2	Q612	H-7	--
D512	D-7	--	D616	H-7	--	D928	--	G-2	TRANSISTOR			Q901	--	G-4
D513	D-12	--	D617	F-7	--	D929	--	G-3		COMP	COND	Q903	--	F-2
D514	C-11	--	D618	F-7	--	D930	--	G-3	Q501	--	F-2	CRYSTAL		
D515	B-12	--	D619	F-6	--	D931	--	G-3	Q502	--	F-2		COMP	COND
D516	C-5	--	D620	H-6	--	D936	--	H-2	Q503	--	E-11	X901	--	F-2
D517	A-11	--	D621	F-9	--	D937	--	F-1	Q504	A-11	--	X902	--	F-1
D518	C-4	--	D622	F-6	--	D943	--	H-3	Q505	--	F-3			
D519	F-6	--	D623	I-7	--	IC			Q507	--	I-6			
D522	E-3	--	D625	I-7	--		COMP	COND	Q508	--	G-5			
D523	E-3	--	D638	H-6	--	IC401	D-5	--	Q510	--	E-10			
D524	C-5	--	D704	F-2	--	IC501	E-2	--	Q511	--	H-5			
D525	C-5	--	D901	--	I-3	IC502	G-3	--	Q512	--	F-9			

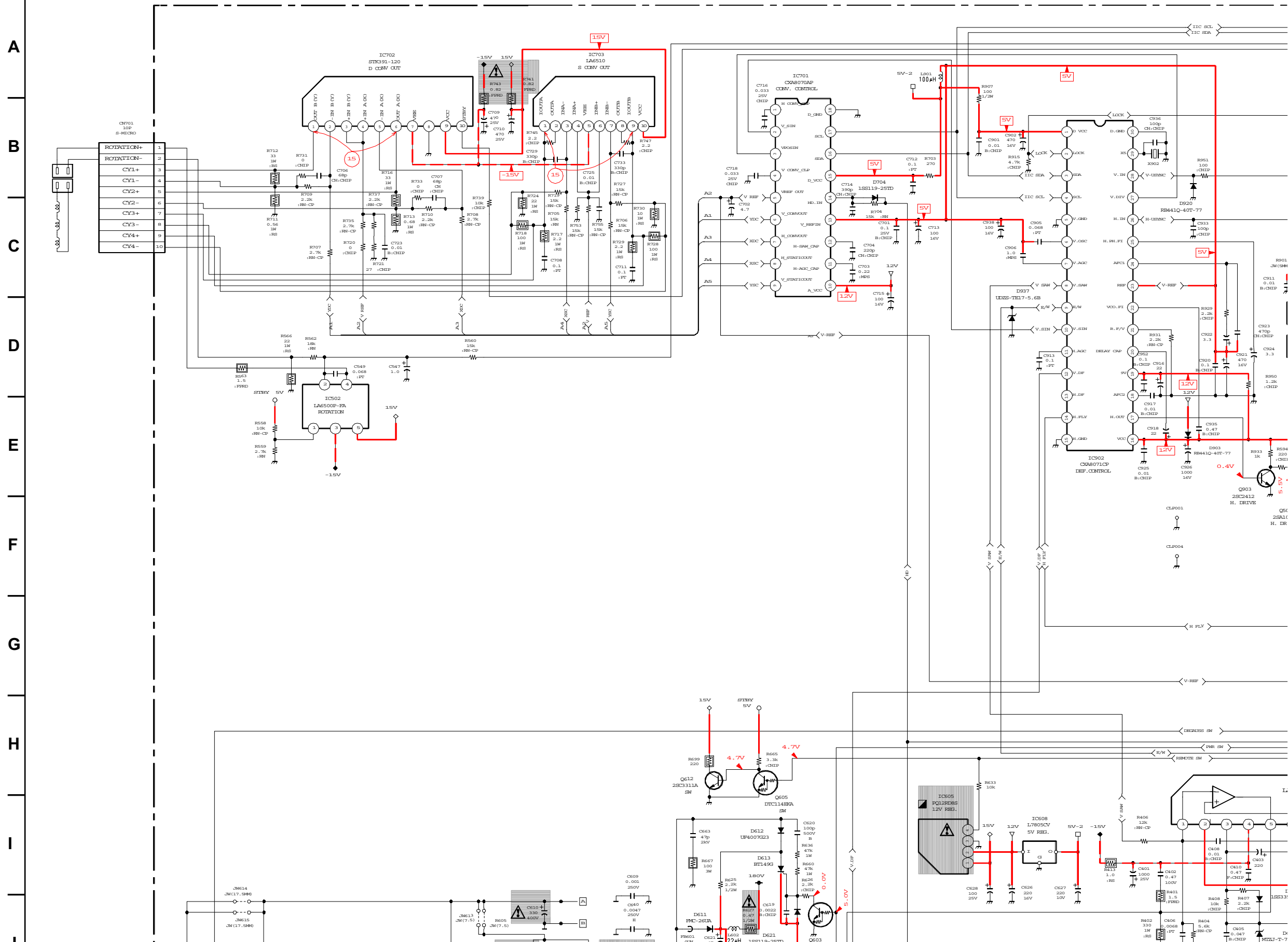
D BOARD WAVEFORMS

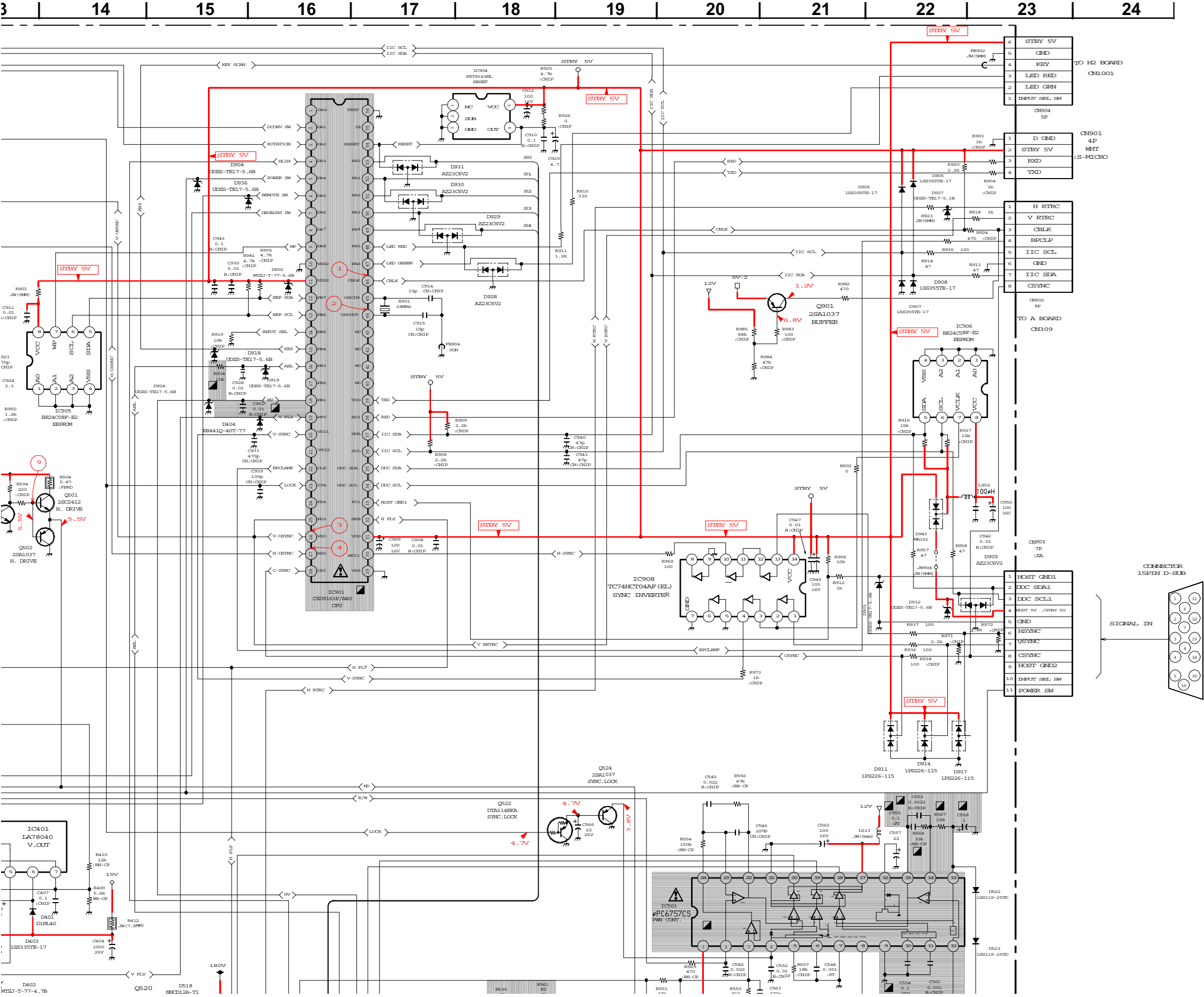


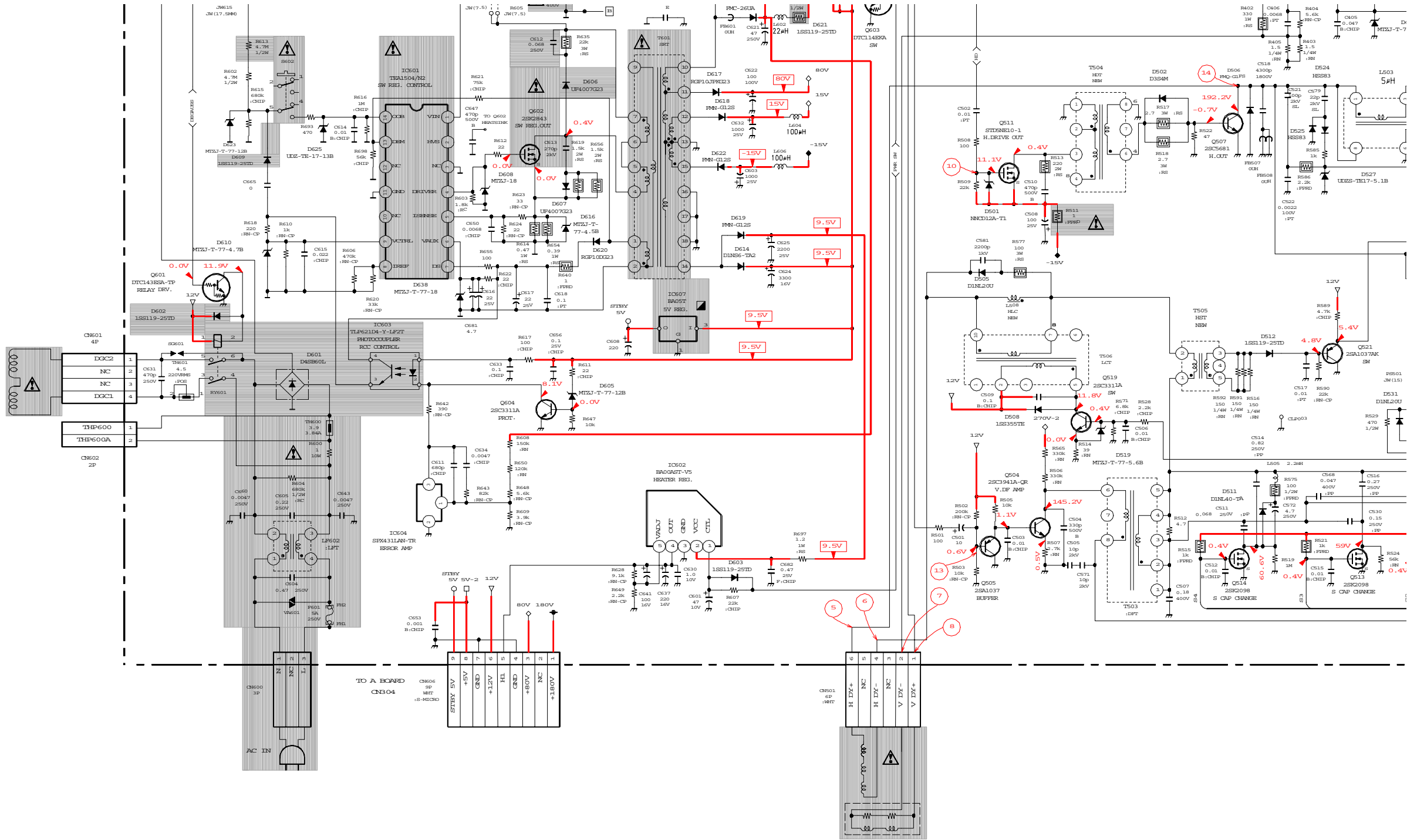
D BOARD IC VOLTAGE LIST

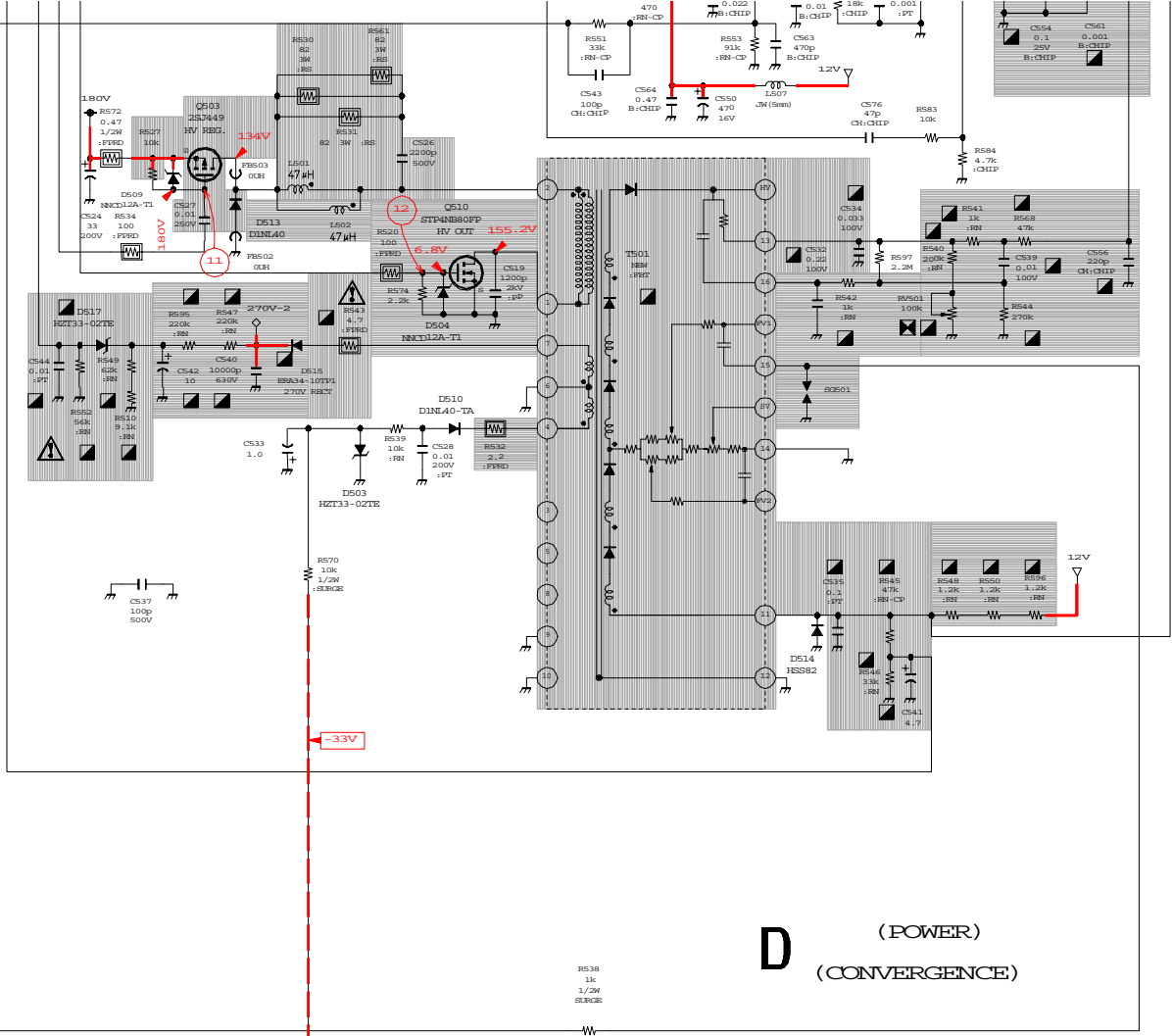
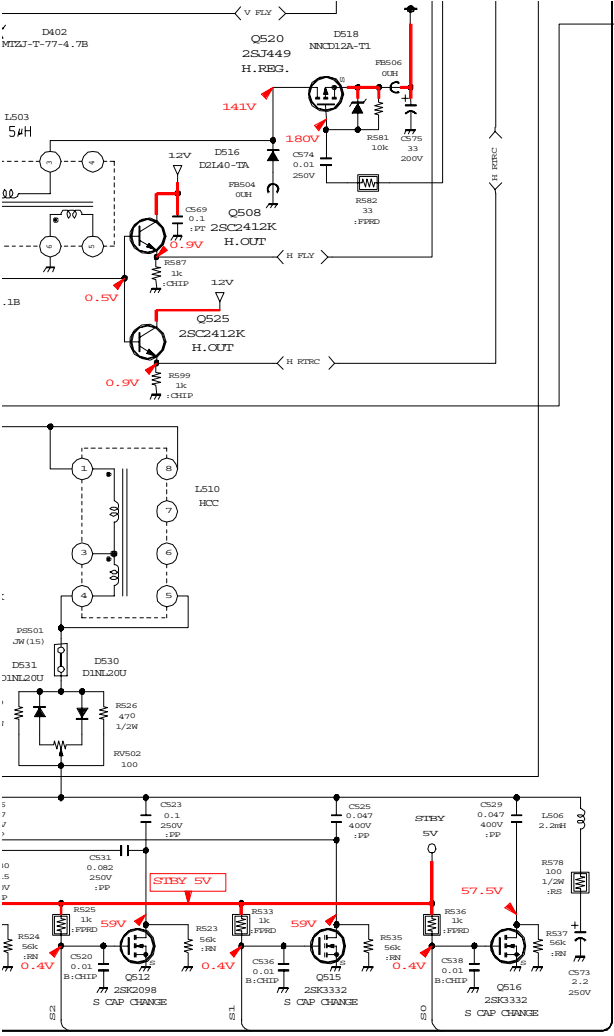
IC401		4	-75.7	IC701		2	4.9	49	5.0	IC905	
PIN	VOLT	5	0.0	PIN	VOLT	3	2.7	50	0.3	PIN	VOLT
1	1.6	6	-65.7	1	4.8	4	1.6	51	5.0	1	GND
2	14.3	7	-66.1	2	4.9	5	4.8	52	5.0	2	GND
3	-13.3	8	-75.1	3	4.9	6	4.8	53	5.0	3	GND
4	-14.4	9	-74.9	4	4.8	7	0.0	54	5.0	4	GND
5	0.3	10	N/C	5	4.9	8	N/C	55	N/C	5	5.0
6	13.8	11	GND	6	4.9	9	5.0	56	GND	6	5.0
7	1.6	12	N/C	7	4.9	10	GND	IC902		7	5.0
IC501		13	0.0	8	4.9	11	5.0	PIN	VOLT	8	5.0
PIN	VOLT	14	6.1	9	4.8	12	5.0	1	2.2	IC906	
1	12.1	IC602		10	12.1	13	5.0	2	4.9	PIN	VOLT
2	4.7	PIN	VOLT	11	4.1	14	0.5	3	4.7	1	GND
3	4.0	1	3.0	12	4.9	15	5.0	4	4.5	2	GND
4	6.3	2	8.7	13	4.9	16	4.3	5	GND	3	GND
5	8.8	3	GND	14	4.4	17	N/C	6	3.9	4	GND
6	6.2	4	6.3	15	1.1	18	4.0	7	6.0	5	5.0
7	GND	5	1.2	16	4.7	19	-0.2	8	4.9	6	5.0
8	0.2	IC603		17	4.4	20	0.1	9	4.0	7	5.0
9	GND	PIN	VOLT	18	GND	21	N/C	10	5.0	8	4.9
10	8.4	1	9.3	IC702		22	0.1	11	6.8	IC908	
11	4.6	2	8.2	PIN	VOLT	23	4.9	12	4.6	PIN	VOLT
12	5.8	3	-73.9	1	-0.1	24	N/C	13	N/C	1	0.0
13	5.8	4	-65.3	2	0.0	25	0.0	14	0.4	2	5.0
14	5.8	IC604		3	2.2	26	0.0	15	GND	3	5.0
15	7.1	PIN	VOLT	4	2.2	27	0.4	16	11.7	4	0.0
16	11.6	1	2.5	5	2.2	28	0.1	17	0.4	5	GND
17	12.1	2	GND	6	0.0	29	GND	18	4.9	6	N/C
18	8.8	3	6.9	7	-14.8	30	0.4	19	10.7	7	GND
19	9.4	IC605		8	GND	31	5.0	20	9.9	8	N/C
20	8.2	PIN	VOLT	9	14.7	32	0.4	21	1.5	9	GND
21	0.0	1	14.7	10	3.2	33	0.5	22	10.4	10	0.4
22	4.7	2	12.1	IC703		34	5.0	23	4.9	11	4.7
23	4.0	3	GND	PIN	VOLT	35	5.0	24	5.1	12	4.7
24	4.0	4	4.8	1	-0.1	36	4.4	25	4.0	13	0.0
IC502		IC607		2	0.0	37	4.7	26	0.4	14	5.0
PIN	VOLT	PIN	VOLT	3	2.5	38	5.0	27	4.9	All voltages are in V.	
1	1.1	I	9.5	4	2.5	39	5.0	28	0.0		
2	1.1	O	5.0	5	-14.8	40	N/C	29	0.4		
3	-14.9	G	GND	6	2.5	41	N/C	30	GND		
4	-2.8	IC608		7	2.5	42	N/C	IC904			
5	14.7	PIN	VOLT	8	0.2	43	N/C	PIN	VOLT		
IC601		I	12.1	9	0.2	44	0.1	1	GND		
PIN	VOLT	O	5.0	10	14.7	45	2.4	2	GND		
1	77.4	G	GND	IC901		46	0.5	3	GND		
2	N/C			PIN	VOLT	47	0.5	4	5.0		
3	GND			1	N/C	48	3.7	5	5.0		

A horizontal number line with tick marks labeled 1 through 13.









D (POWER)
(CONVERGENCE)

TO A BOARD
CN306

17VC-881-D