

Service Manual

50 inch Class 1080p Plasma HDTV

Model No. **TC-P50UT50W**

GPF15DU Chassis

Simplified

Please file and use this manual together with the service manual for Model No. TC-P50UT50, ORDER NO. MTNC120205CE.

WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 Different points

1.1. Mechanical Replacement Parts List

Ref. No.	Parts No.		Parts name & Description	Pcs	Remarks
	TC-P50UT50	TC-P50UT50W			
42	J0KG00000036	-----	FERRITE CORE	0	
43	J0KG00000121	-----	FERRITE CORE	0	
44	K2CG3YY00132	K2CG3YY00134	AC CORD(A2 Shielded)	1	PAVCA Δ
44	-----	K2CS3YY00022	AC CORD(C2 Shielded)	1	PAVCA Δ
2	MD50F15C3A	MD50F15CAJ	PLASMA DISPLAY PANEL	1	
45	N2QAYB000704	N2QAYB000708	REMOTE CONTROL	1	PAVCA
3	N5HZZ0000111	TXNBT1RFUUS	BLUETOOTH MODULE(DONGLE)	1	PAVCA Δ
8	TKZ5ZX50011A	TKZ5ZX50011B	STAND BRACKET PLATE	1	PAVCA
12	TMXX073	TMXX073	AC CORD CLAMPER	2	PAVCA 1 → 2
46	TQB2AA0638	TQB2AC0090	INSTRUCTION BOOK(ENG/SPA)	1	PAVCA Δ
26	TXFKP0212SER	TXFKP0512SER	SIDE TERMINAL COVER	1	PAVCA Δ
27	TXFKU0312SER	TXFKU6812SER	REAR COVER	1	PAVCA Δ

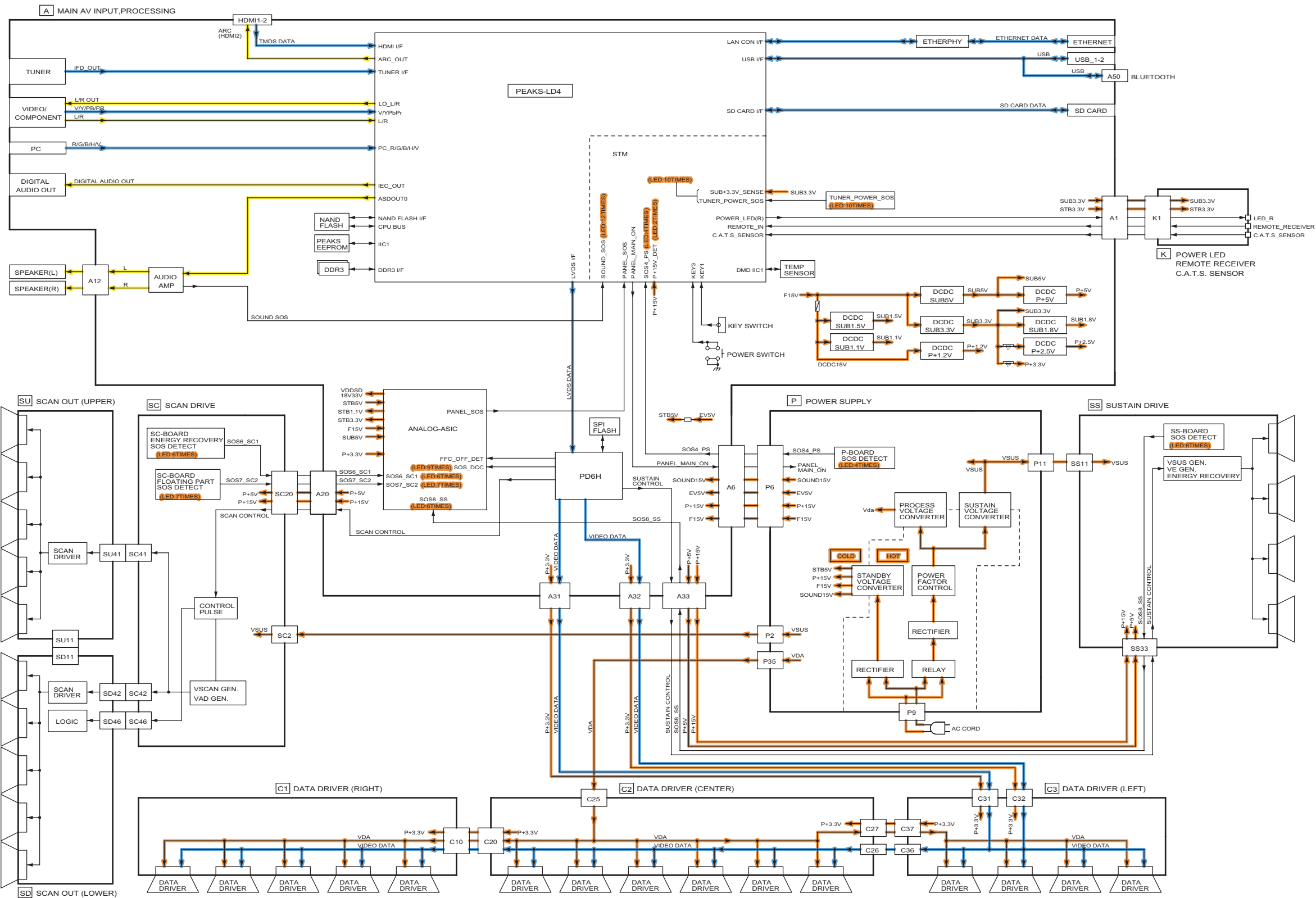
1.2. Electrical Replacement Parts List

Ref. No.	Parts No.		Parts name & Description	Pcs	Remarks
	TC-P50UT50	TC-P50UT50W			
PCB	TXN/A1SDUUS	TXN/A1SJUXS	CIRCUIT BOARD A	1	(RTL) PAVCA Δ
C3040	-----	F1J1A106A087	C 10UF, 10V	1	
C3042	-----	F1J1A106A087	C 10UF, 10V	1	
C3045	-----	F1J1A106A110	C 10UF, 10V	1	PAVCA
C3046	-----	F1G1A105A047	C 1UF 10V	1	
C3047	-----	F1G1A105A047	C 1UF 10V	1	
C3050	-----	F1K1E106A134	C 10UF, 10V	1	
C3182	-----	F1G1A105A047	C 1UF 10V	1	
C3183	-----	F1G1A105A047	C 1UF 10V	1	
C3184	-----	F1G1A105A047	C 1UF 10V	1	
C6705	-----	F1J1A106A110	C 10UF, 10V	1	
C6706	-----	F1G1C104A077	C 0.1UF 16V	1	
C6734	F1G1C104A077	-----	C 0.1UF 16V	0	
C6735	F1G1C104A077	-----	C 0.1UF 16V	0	
C8018	F1G1H101A834	-----	C 100PF 50V	0	
D4711	J0ZZB0000175	-----	FILTER	0	
D4740	J0ZZB0000175	-----	FILTER	0	
D4741	J0ZZB0000175	-----	FILTER	0	
D4742	J0ZZB0000175	-----	FILTER	0	
D4743	J0ZZB0000175	-----	FILTER	0	
D4744	J0ZZB0000175	-----	FILTER	0	
D4745	J0ZZB0000175	-----	FILTER	0	
D4746	J0ZZB0000175	-----	FILTER	0	
D4747	J0ZZB0000175	-----	FILTER	0	
D4748	J0ZZB0000175	-----	FILTER	0	
D4749	J0ZZB0000175	-----	FILTER	0	
IC3051	-----	C0ABBB000179	IC	1	
IC8000	MN2WS0250B	MN2WS0250E	IC	1	PAVCA
IC8900	TVRS825S	TVRS815ACS	IC	1	PAVCA
IC8902	TVRS829S	TVRS884AAS	IC	1	PAVCA
IC9304	TVRS826S	TVRS826AES	IC	1	PAVCA
JK3001	-----	K1FY315A0014	CONNECTOR	1	PAVCA
JK3100	K1U510A00006	-----	CONNECTOR	0	PAVCA
JK3100A	-----	K1U714A00004	CONNECTOR	1	PAVCA
JK4700	K1FY119D0027	K1FY119D0025	CONNECTOR	1	PAVCA
JK4701	K1FY119D0027	K1FY119D0025	CONNECTOR	1	PAVCA
JK8601	K1FY208B0013	K1FY208B0012	CONNECTOR	1	PAVCA
JK8602	K2LC1YYA0018	K2LC1YYA0017	JACK	1	PAVCA
Q3008	-----	B1ADCF000194	TRANSISTOR	1	
Q3102	-----	B1ABKE000001	TRANSISTOR	1	
Q3103	-----	B1ABKE000001	TRANSISTOR	1	
R059	-----	D0GAR00J0005	M 0 OHM, 1/16W	1	

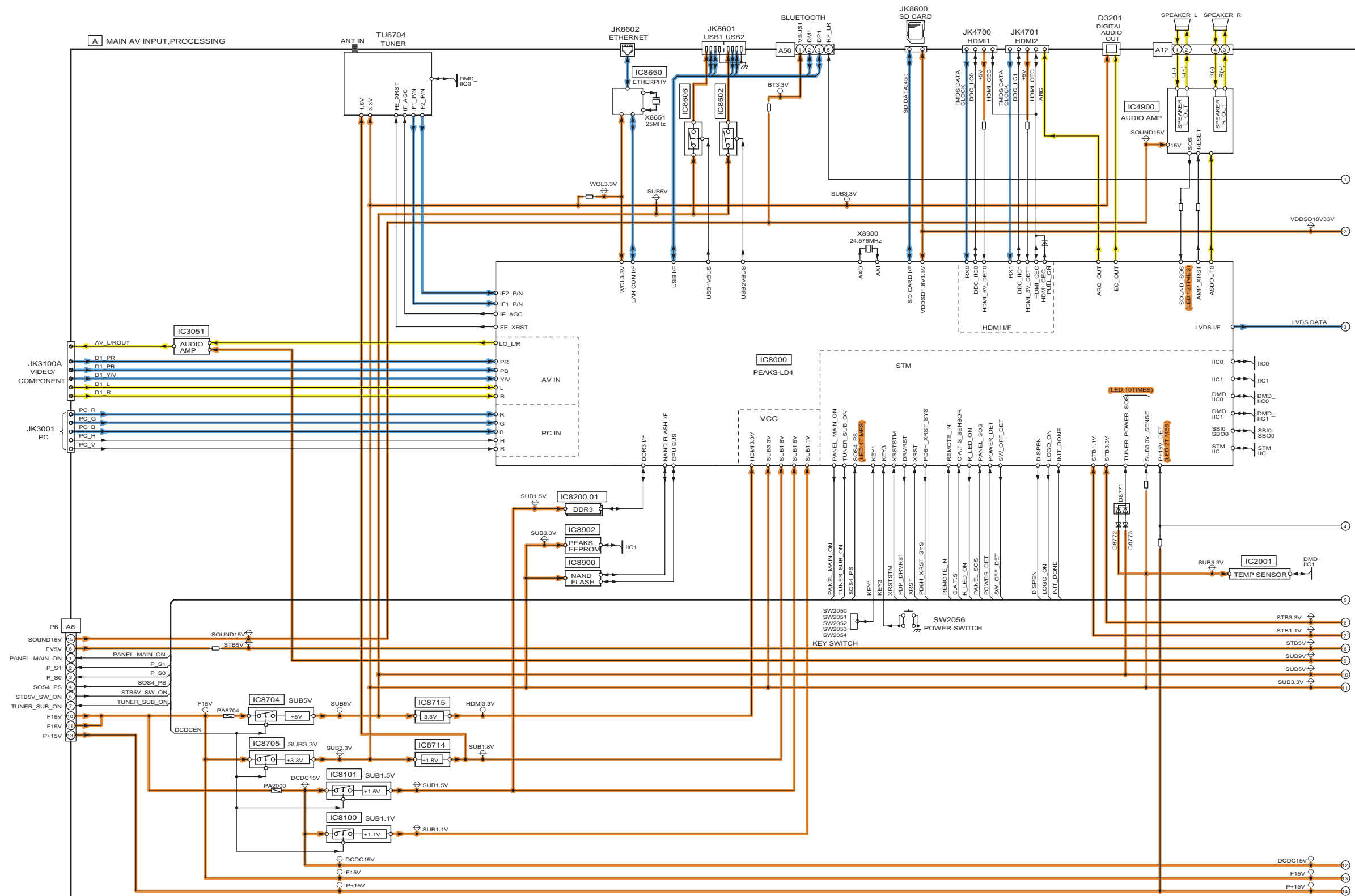
Ref. No.	Parts No.		Parts name & Description	Pcs	Remarks
	TC-P50UT50	TC-P50UT50W			
R068	D0GAR00J0005	-----	M 0 OHM, 1/16W	0	
R3001	-----	D0GA103JA023	M10KOHM, J.1/16 W	1	
R3002	-----	D0GA103JA023	M10KOHM, J.1/16 W	1	
R3003	-----	D0GA103JA023	M10KOHM, J.1/16 W	1	
R3004	-----	D0GA103JA023	M10KOHM, J.1/16 W	1	
R3008	D1BA1403A023	D1BA1003A023	M 100 KOHM,F.1/16 W	1	
R3009	D1BA1403A023	D1BA1003A023	M 100 KOHM,F.1/16 W	1	
R3010	-----	D0GA203JA023	M 20K OHM J 1/16W	1	
R3011	-----	D0GA203JA023	M 20K OHM J 1/16W	1	
R3171	-----	D0GA272JA023	M 27K OHM J 1/16W	1	
R3172	-----	D0GA272JA023	M 27K OHM J 1/16W	1	
R3199	-----	D0GA104JA023	M100KOHM, J.1/16 W	1	
R3200	-----	D0GA104JA023	M100KOHM, J.1/16 W	1	
R3201	-----	D1BD75R0A066	M 75.0 OHM,F.1/8 W	1	
R3203	-----	D1BD75R0A066	M 75.0 OHM,F.1/8 W	1	
R3207	-----	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
R3209	-----	D0GA472JA023	M 4.7KOHM, J,1/16W	1	
R3210	-----	D1HY2204A012	NETWORK RESISTER	1	PAVCA
R3213	-----	D0GA220JA023	M22 OHM, J.1/16 W	1	
R3216	-----	D1BD75R0A066	M 75.0 OHM,F.1/8 W	1	
R3290	-----	D0GA473JA023	M 47KOHM, J,1/16W	1	
R3291	-----	D0GA473JA023	M 47KOHM, J,1/16W	1	
R3324	-----	D0GA102JA023	M1KOHM, J.1/16 W	1	
R3342	-----	D0GA331JA023	M 330 OHM, J,1/16W	1	
R3343	-----	D0GA331JA023	M 330 OHM, J,1/16W	1	
R6703	-----	D0GBR00J0004	M 0 OHM J 1/10W	1	
R8630	EXB2HV103JV	D1HY1038A012	NETWORK RESISTER	1	PAVCA
TU6704	-----	J3ACAAZ00004	TUNER	1	PAVCA △
TU6706	J3ACAAB00006	-----	TUNER	0	

2 Block Diagram

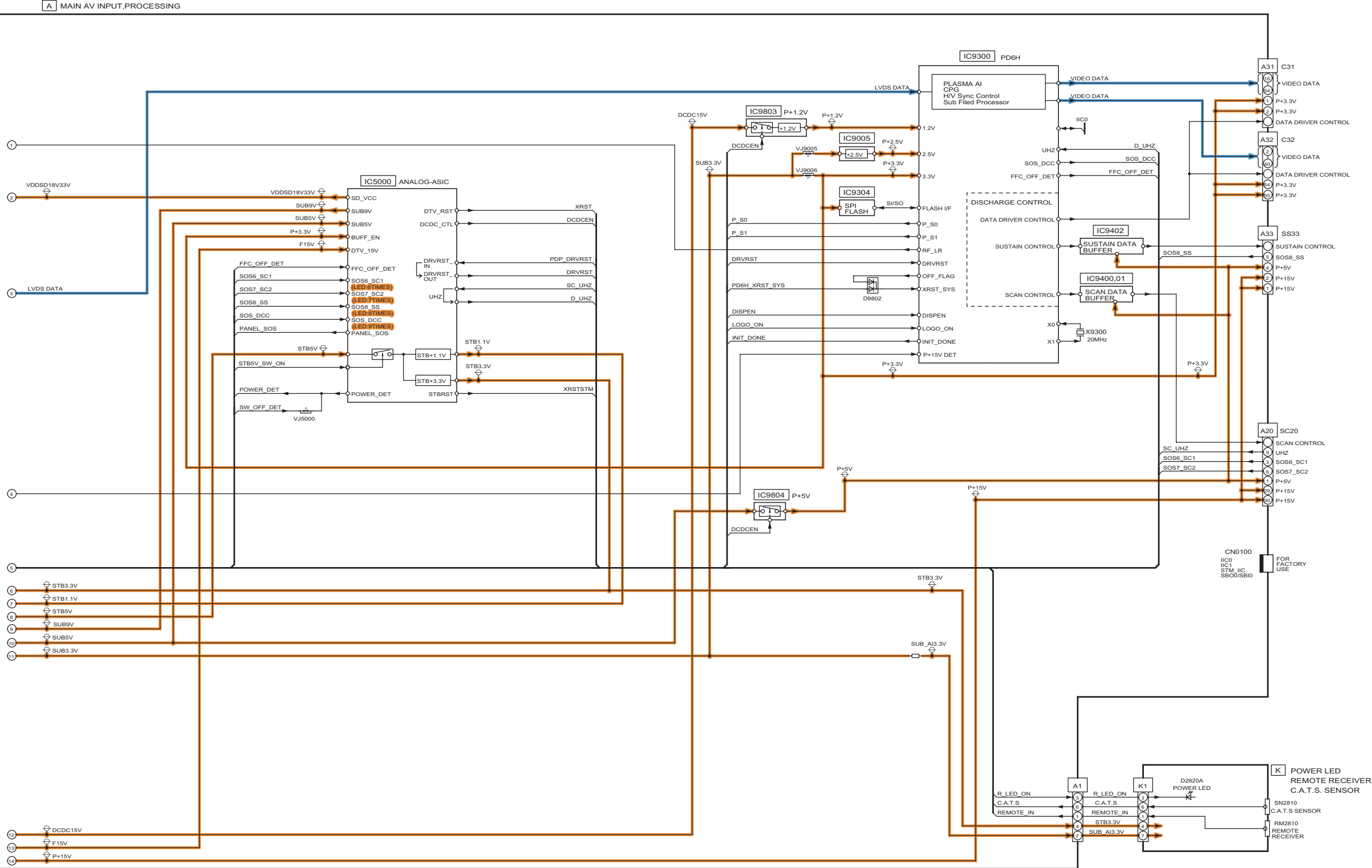
2.1. Main Block Diagram



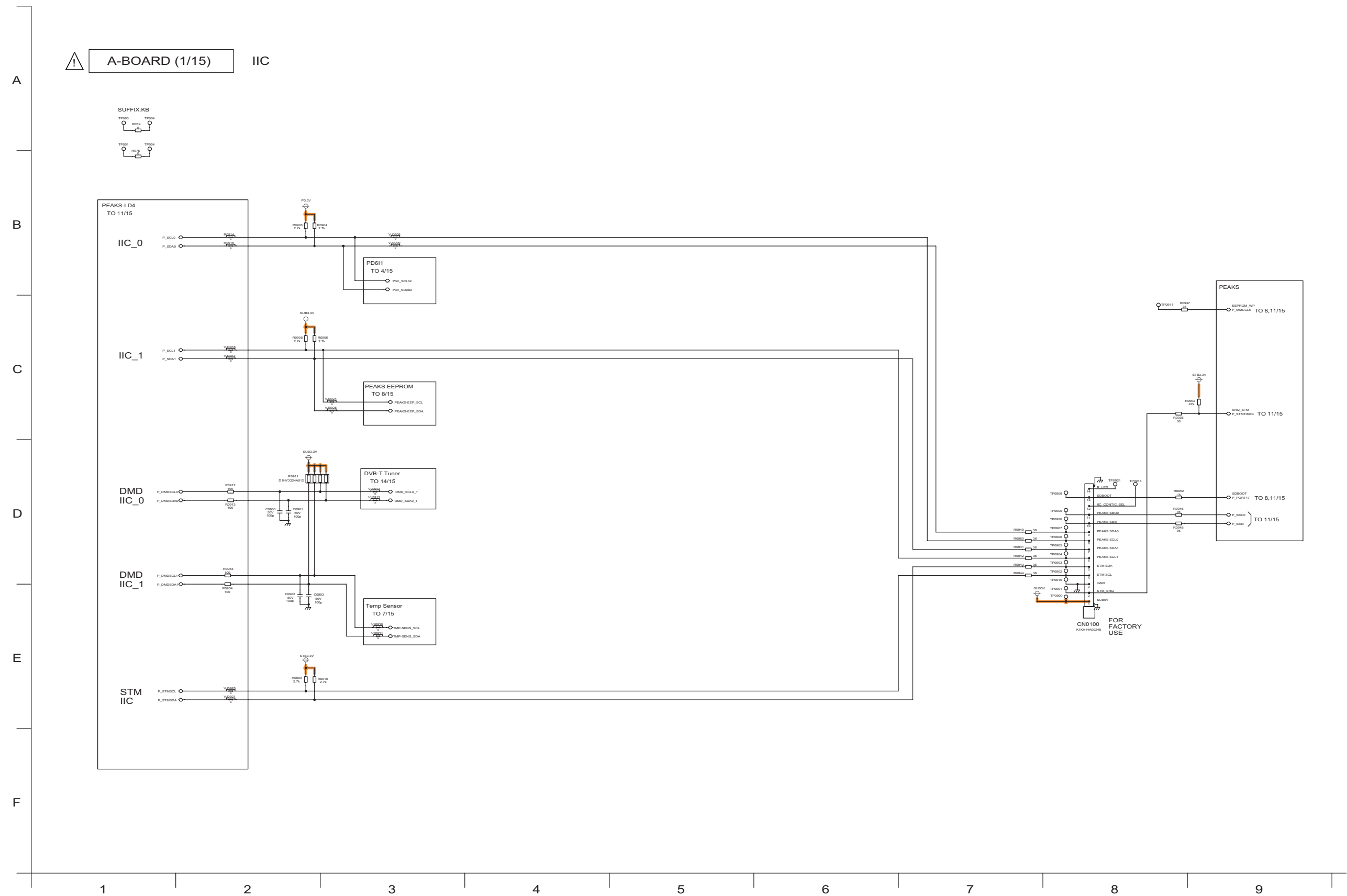
2.2. Block (1/4) Diagram



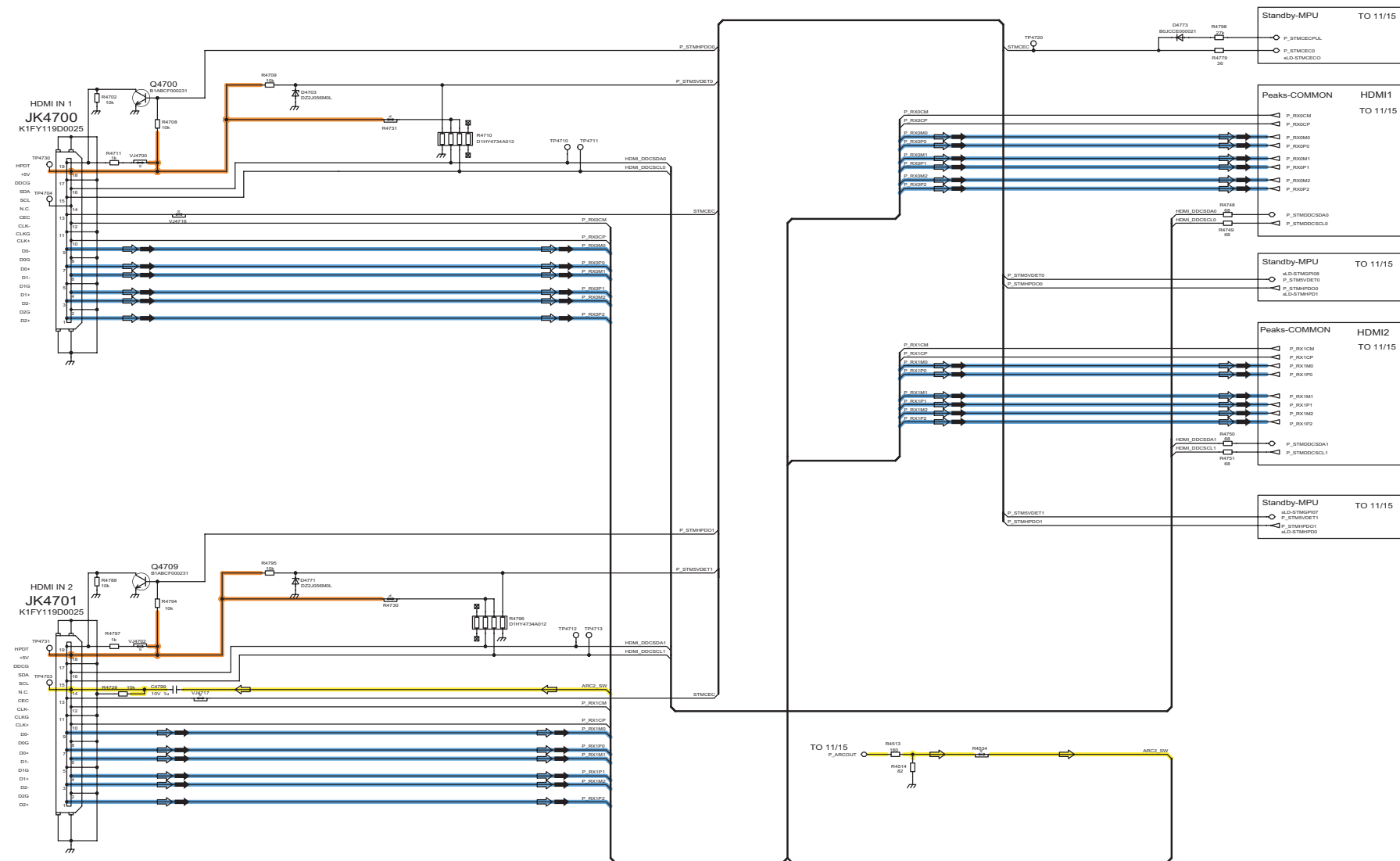
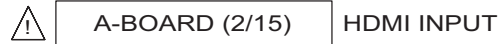
2.3. Block (2/4) Diagram



3.1. A-Board (1/15)



3.2. A-Board (2/15)



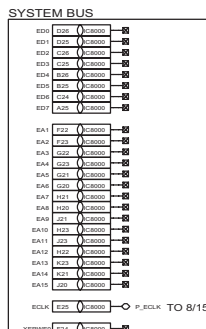
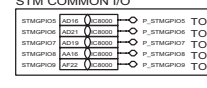
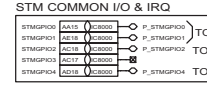
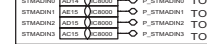
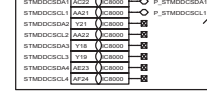
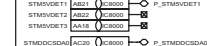
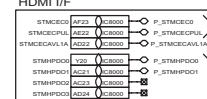
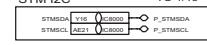
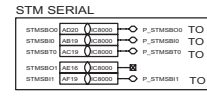
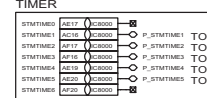
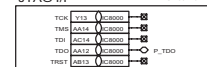
3.3. A-Board (11/15)



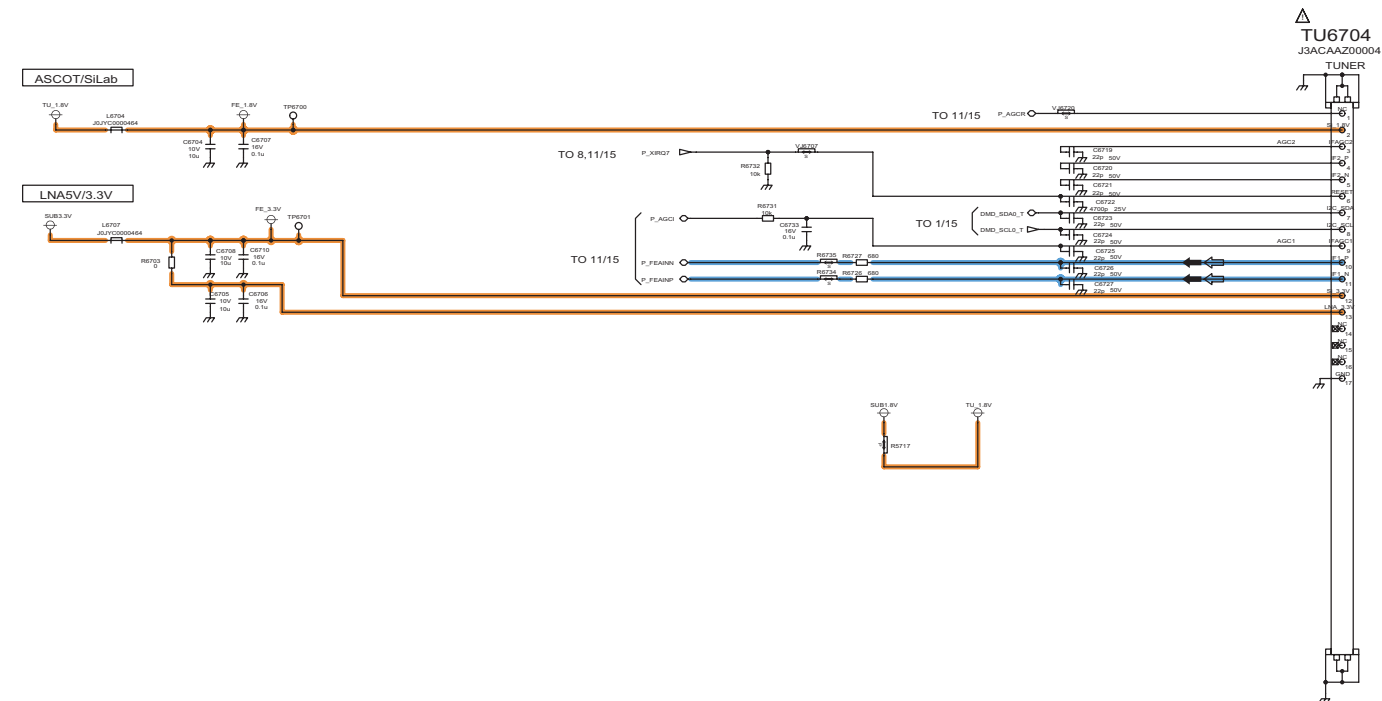
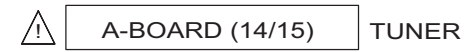
A-BOARD (11/15)

PEAKS

IC8000
MN2WS0250E
PEAKS-LD4



3.4. A-Board (14/15)



 A-BOARD (15/15) TERMINAL

