

Service Manual

42 inch Class 1080p LCD HDTV

Model No. **TC-L42ET60H**

LA41 Chassis



Please file and use this manual together with the service manual for Model No. TC-L42ET60, ORDER NO. MTNC130103CE.

⚠ 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.	Part No.		Part Name & Description	Pcs	Remarks
	TC-L42ET60	TC-L42ET60H			
4	N2QAYB000837	N2QAYB000838	REMOTE CONTROL	1	PAVCA
49	TXFKU0813SER	TXFKU2813SER	BACK COVER	1	PAVCA Δ
	TQB2AA0710-1	TQB2AA0699	OIB(EN/ES)	1	PAVCA
43	TTP5ZA0009	TTP5ZA0011	LED PANEL ASSY	1	PAVCA

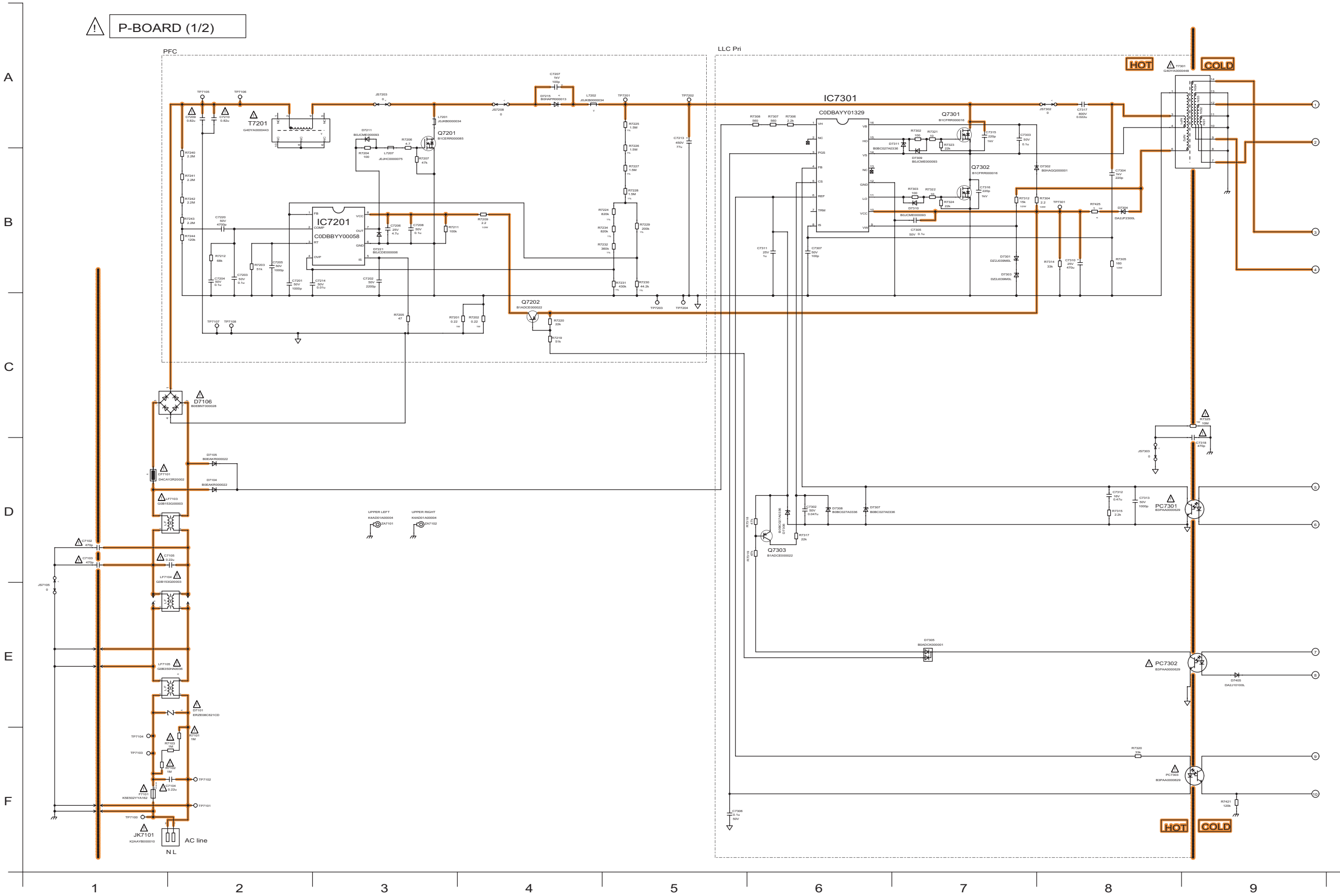
1.2. Electrical Replacement Parts List

Ref.No.	Part No.		Part Name & Description	Pcs	Remarks
	TC-L42ET60	TC-L42ET60H			
PCB	TXN/A1VFUUS	TXN/A1RTUHS	CIRCUIT BOARD A	1	(RTL) PAVCA Δ
PCB	TXN/P1VFUU	TXN/P1PRUL	CIRCUIT BOARD P	1	(RTL) PAVCA Δ
C4702	F1G1H101A834	-----	C 100PF 50V	0	
C4704	F1G1H101A834	-----	C 100PF 50V	0	
C5703	-----	F1G1A105A047	C 1UF 10V	1	PAVCA
C5704	-----	F1G1A105A047	C 1UF 10V	1	PAVCA
C6726	-----	F1G1H220A834	C 22PF, 50V	1	PAVCA
C6727	-----	F1G1H220A834	C 22PF, 50V	1	PAVCA
C6803	-----	F1H1C105A167	C 1UF, 16V	1	PAVCA
C6804	-----	F1G1C104A077	C 0.1UF 16V	1	PAVCA
C6805	-----	F1J1A106A087	C 10UF, 10V	1	PAVCA
C6806	-----	F1J1A106A087	C 10UF, 10V	1	PAVCA
C6809	-----	F1G1C104A077	C 0.1UF 16V	1	PAVCA
C6820	-----	F1G1C104A077	C 0.1UF 16V	1	PAVCA
C6822	-----	F1G1C104A077	C 0.1UF 16V	1	PAVCA
C6830	-----	F1G1C104A077	C 0.1UF 16V	1	PAVCA
C6832	-----	F1J1A106A087	C 10UF, 10V	1	PAVCA
C6838	-----	F1G1C104A077	C 0.1UF 16V	1	PAVCA
C6840	-----	F1G1C104A077	C 0.1UF 16V	1	PAVCA
C6844	-----	F1G1C104A077	C 0.1UF 16V	1	PAVCA
C6847	-----	F1G1H8R0A833	C 8 PF, 50V	1	PAVCA
C6848	-----	F1G1H8R0A833	C 8 PF, 50V	1	PAVCA
C6864	-----	F1G1C104A077	C 0.1UF 16V	1	PAVCA
C6872	-----	F1G1C104A077	C 0.1UF 16V	1	PAVCA
C6873	-----	F1G1C104A077	C 0.1UF 16V	1	PAVCA
C7529	F1J1H103A900	F1J1H104A902	C 0.1UF, 50V	1	PAVCA
D7101	-----	ERZE08C621CD	VARISTOR	1	PAVCA Δ
D7107	ERZVA7V471	-----	VARISTOR	0	
IC5701	-----	C0DBEYY00226	IC	1	PAVCA
IC6800	-----	C1AB00004028	IC	1	PAVCA
IC8200	C3ABUY000028	C3ABUY000020	IC	1	PAVCA
IC8201	C3ABUY000028	C3ABUY000020	IC	1	PAVCA
IC8202	C3ABTY000076	C3ABTY000091	IC	1	PAVCA
IC8900	TVRT135S	TVRT278ABS	IC	1	PAVCA
JS0041	-----	D0GAR00J0005	M 0 OHM, 1/16W	1	PAVCA
JS0050	D0GAR00J0005	-----	M 0 OHM, 1/16W	0	
L6800	-----	J0JYC0000464	FILTER	1	PAVCA
L6801	-----	J0JYC0000464	FILTER	1	PAVCA
L6802	-----	J0JYC0000464	FILTER	1	PAVCA
L8615	J0ZZB0000142	-----	FILTER	1	PAVCA
L8616	J0ZZB0000142	-----	FILTER	1	PAVCA
LF7103	G0B183G00006	G0B153G00003	CHOKE COIL	1	PAVCA Δ
LF7104	G0B183G00006	G0B153G00003	CHOKE COIL	1	PAVCA Δ
R0930	D0GAR00J0005	-----	M 0 OHM, 1/16W	0	
R0931	D0GAR00J0005	-----	M 0 OHM, 1/16W	0	
R3325	D0GA473JA039	-----	M 47KOHM, J,1/16W	0	
R2011	D0GAR00J0005	D0GA102JA039	M1KOHM, J,1/16 W	1	PAVCA
R5709	-----	D1BA1201A023	M 1.2 KOHM,F,1/16 W	1	PAVCA
R5710	-----	D1BA3001A023	M 3KOHM,F,1/16W	1	
R5736	-----	D0GA103JA039	M10KOHM, J,1/16 W	1	PAVCA

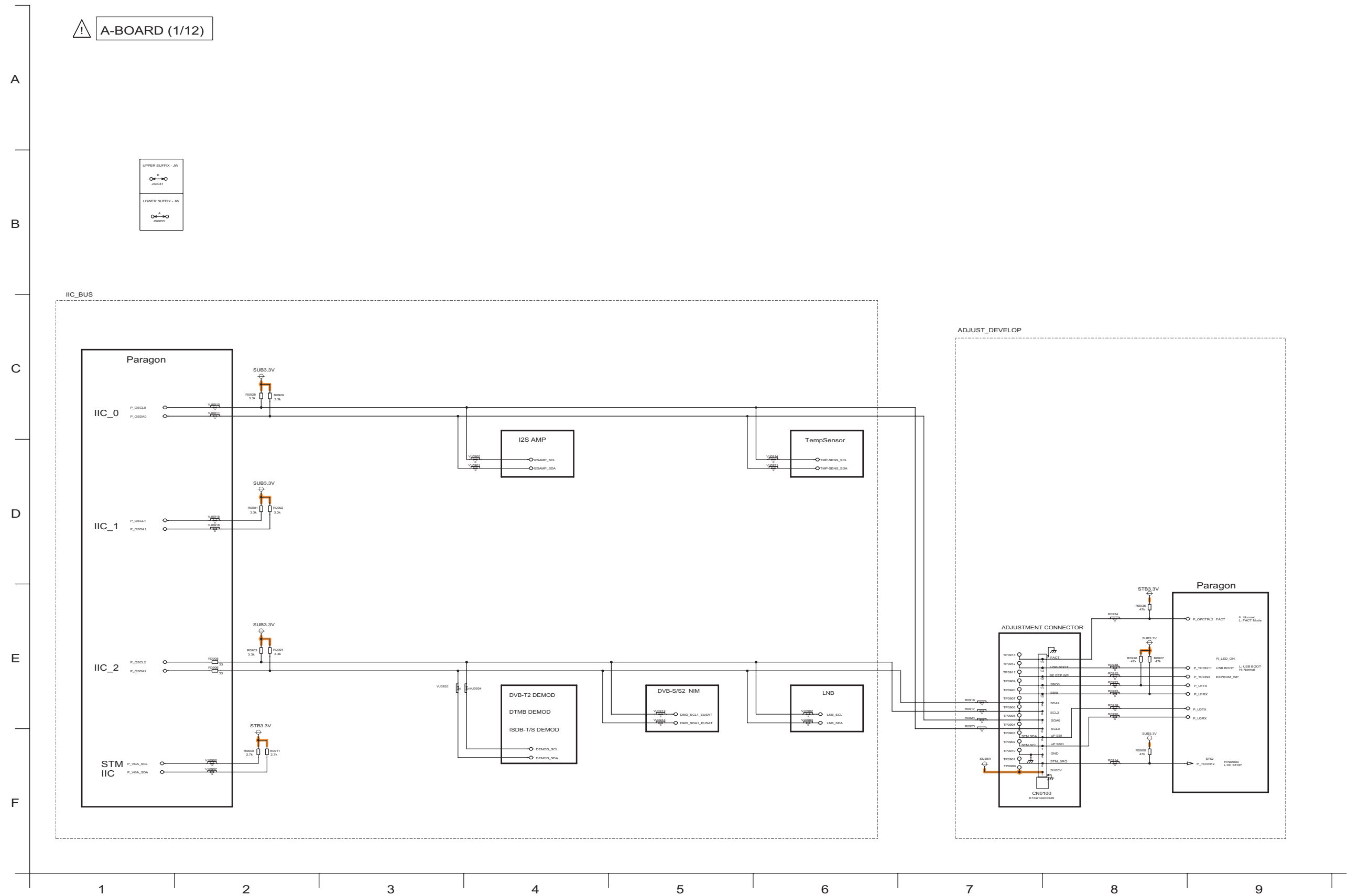
Ref.No.	Part No.		Part Name & Description	Pcs	Remarks
	TC-L42ET60	TC-L42ET60H			
R6726	-----	D0GAR00J0005	M 0 OHM, 1/16W	1	PAVCA
R6727	-----	D0GAR00J0005	M 0 OHM, 1/16W	1	PAVCA
R6728	D0GAR00J0005	-----	M 0 OHM, 1/16W	0	
R6729	D0GAR00J0005	-----	M 0 OHM, 1/16W	0	
R6804	-----	D0GA681JA023	M680 OHM, J,1/16W	1	PAVCA
R6805	-----	D0GA681JA023	M680 OHM, J,1/16W	1	PAVCA
R6810	-----	D0GA332JA023	M 3.3KOHM, J,1/16W	1	PAVCA
R6812	-----	D0GA680JA023	M 68 OHM, J,1/16W	1	PAVCA
R6813	-----	D0GA680JA023	M 68 OHM, J,1/16W	1	PAVCA
R6818	-----	D0GA680JA023	M 68 OHM, J,1/16W	1	PAVCA
R6819	-----	D0GAR00J0005	M 0 OHM, 1/16W	1	PAVCA
R6820	-----	D0GAR00J0005	M 0 OHM, 1/16W	1	PAVCA
R6821	-----	D0GAR00J0005	M 0 OHM, 1/16W	1	PAVCA
R6840	-----	D0GA471JA023	M 470OHM, J,1/16W	1	
R6846	-----	D0GA680JA023	M 68 OHM, J,1/16W	1	PAVCA
R6847	-----	D0GA680JA023	M 68 OHM, J,1/16W	1	PAVCA
R6848	-----	D0GA680JA023	M 68 OHM, J,1/16W	1	PAVCA
R6849	-----	D0GA680JA023	M 68 OHM, J,1/16W	1	PAVCA
R6850	-----	D0GA680JA023	M 68 OHM, J,1/16W	1	PAVCA
R6861	-----	D0GA680JA023	M 68 OHM, J,1/16W	1	PAVCA
R6862	-----	D0GA680JA023	M 68 OHM, J,1/16W	1	PAVCA
R6863	-----	D0GA680JA023	M 68 OHM, J,1/16W	1	PAVCA
R6871	-----	D0GA332JA023	M 3.3KOHM, J,1/16W	1	PAVCA
R6872	-----	D0GA332JA023	M 3.3KOHM, J,1/16W	1	PAVCA
R6880	-----	D0GAR00J0005	M 0 OHM, 1/16W	1	PAVCA
R6881	-----	D0GAR00J0005	M 0 OHM, 1/16W	1	PAVCA
R6882	-----	D0GBR00J0004	M 0 OHM J 1/10W	1	PAVCA
R6884	-----	D0GA103JA039	M10KOHM, J,1/16 W	1	PAVCA
R7208	ERX1SJR22V	-----	M0.22 OHM, J, 1W	0	
R8616	-----	D1H8R0040016	NETWORK RESISTER	1	PAVCA
R8617	-----	D1H8R0040016	NETWORK RESISTER	1	PAVCA
X6800	-----	H0J410500001	CRYSTAL	1	

2 Schematic Diagram

2.1. P-Board (1/2)

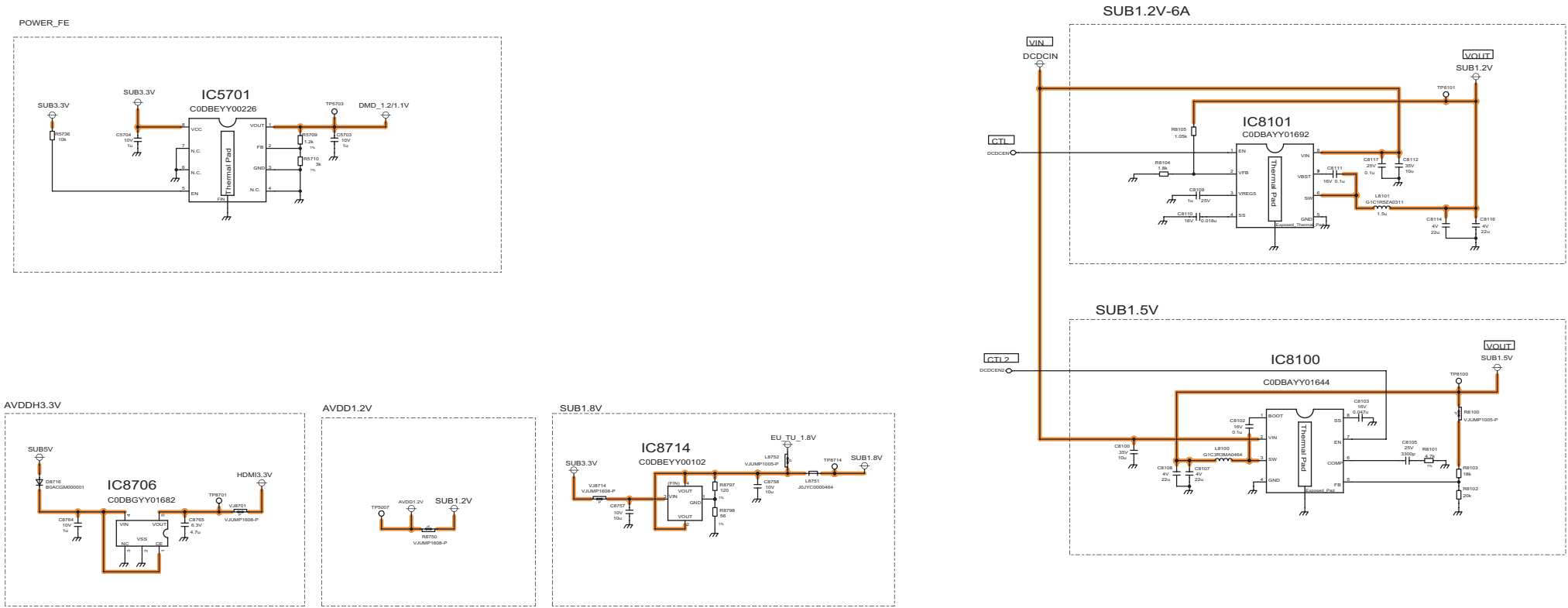


2.2. A-Board (1/12)

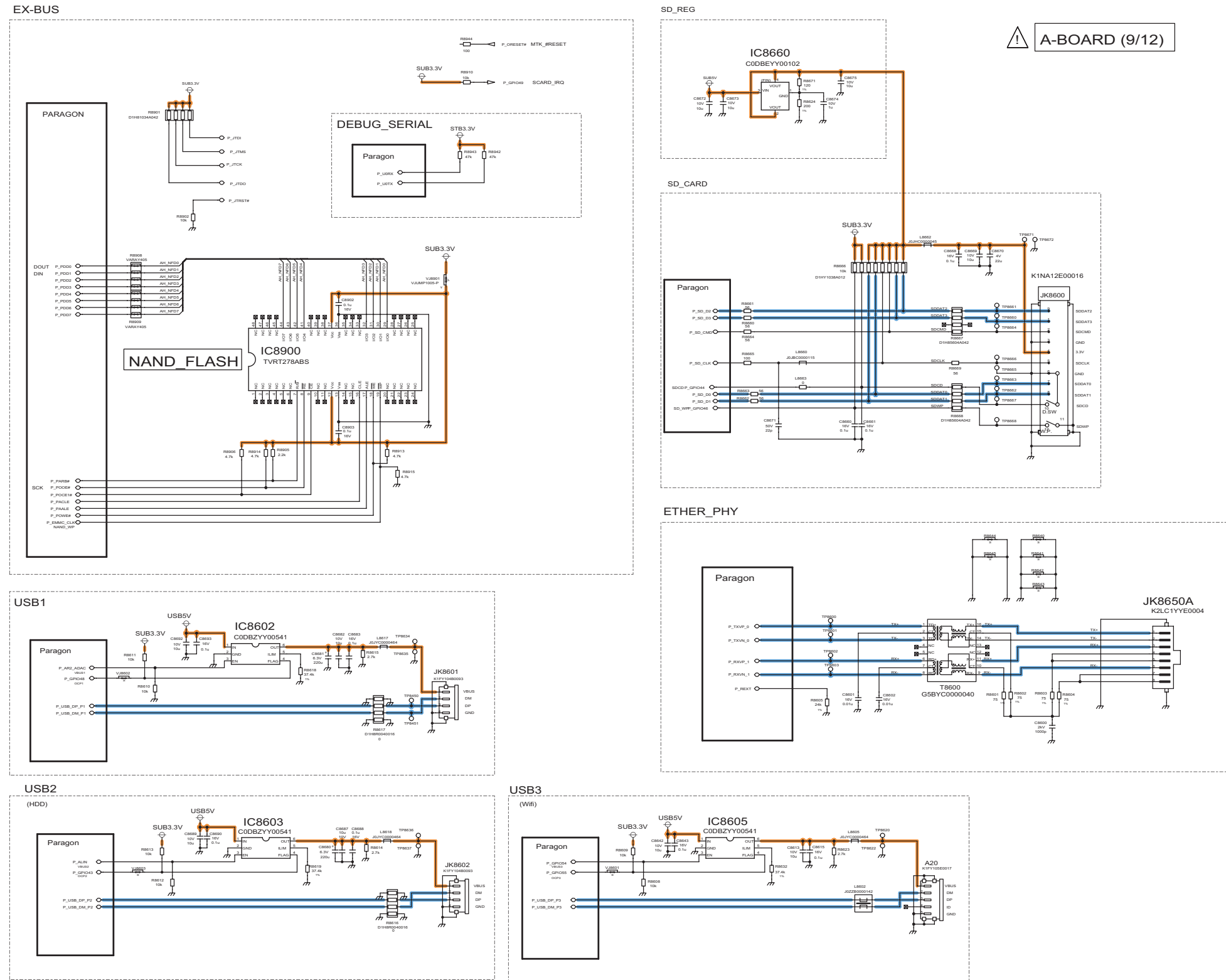


2.3. A-Board (8/12)

⚠ A-BOARD (8/12)

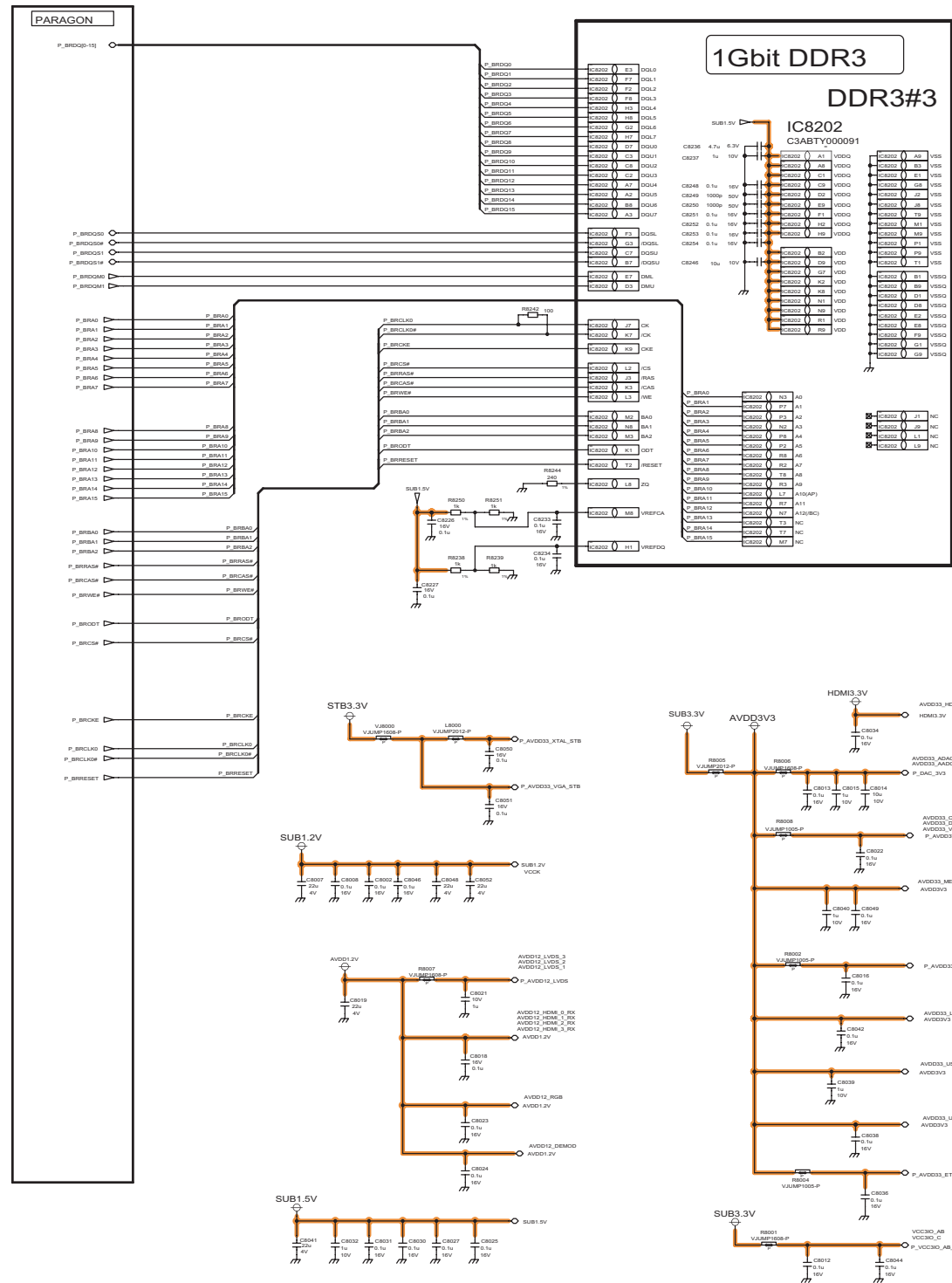
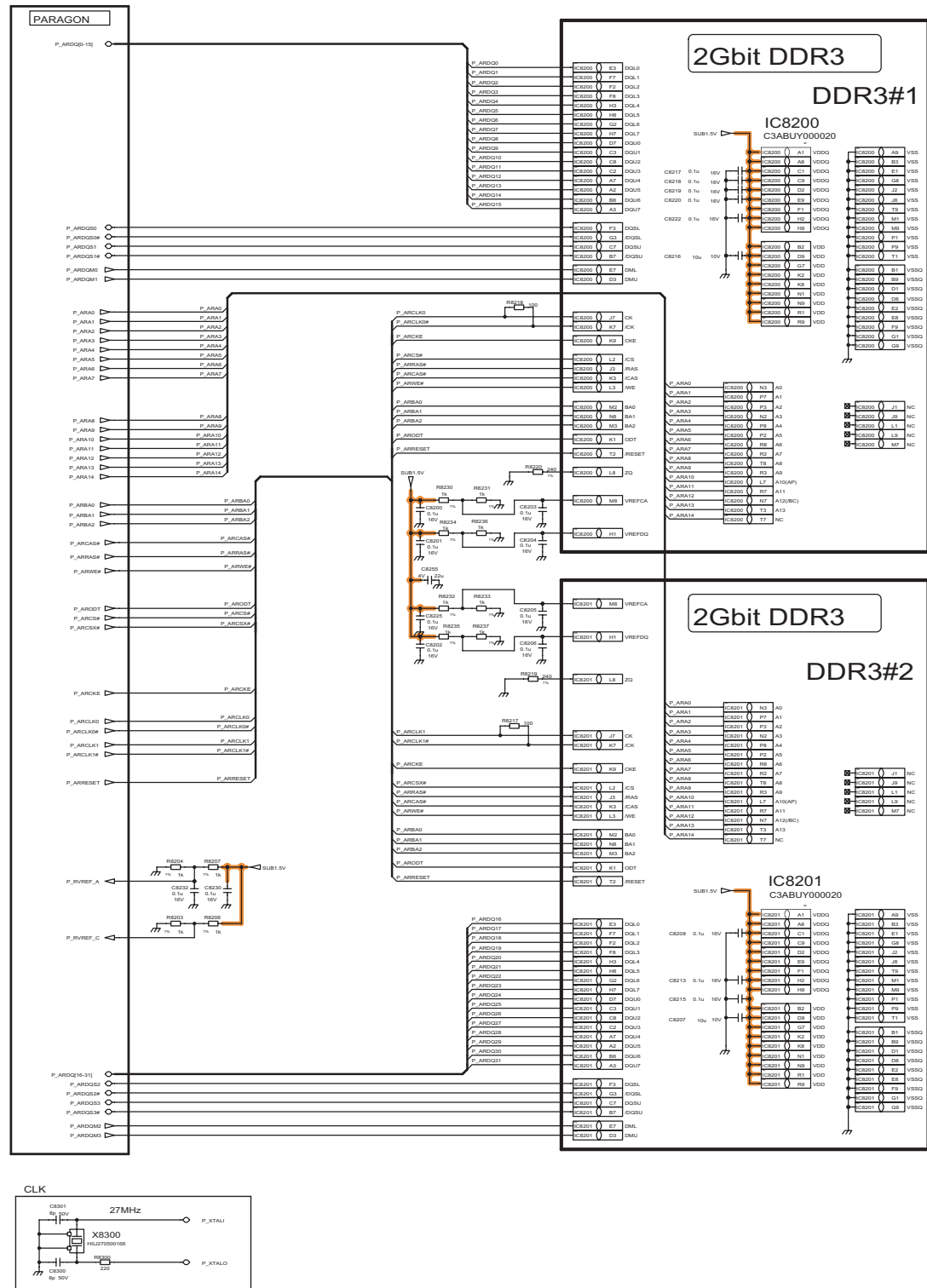


2.4. A-Board (9/12)



2.5. A-Board (11/12)

 A-BOARD (11/12)



2.6. A-Board (12/12)

