

MANUAL DE SERVIÇO

DVD VIDEO PLAYER

SD RX33D



ESPECIFICAÇÕES TÉCNICAS

GERAIS

Alimentação 100 ~ 240V AC, 50 ~ 60Hz
Consumo 3W (stand by)/20W (médio)
Dimensões aprox. (LxAxP) 360x49x296mm
Peso aprox. 2,9kg

SISTEMA

Laser Laser a semicondutor,
comprimento de onda
650/780nm
Sistema de sinal de cor NTSC/PAL-M
Faixa de frequências de áudio 20Hz a 20kHz
Relação Sinal/Ruído >80dB (Saídas analógicas)
Distorção harmônica <0,1%
Faixa dinâmica >80dB
Canais Recebidos TV: 2~69,
CATV: 1~125

ENTRADAS

Terminal de Antena Conector F, 75ohm, VHF/UHF
Entrada de Vídeo: 1,0V (p-p), 75ohm,
sincronismo negativo, 1 tomada

Entrada de S-VÍDEO (Y) 1,0V (p-p), 75ohm,
sincronismo negativo, (C) 0,286V (p-p),
75ohm, 1 tomada Mini DIN de 4 pinos
Entrada de Áudio (áudio analógico) 2,0V (rms),
47 kohm, 2 tomadas TCA
(L - esquerda, R - direita)

SAÍDAS

Terminal de Antena Conector F, 75ohm, VHF/UHF
Saída de Vídeo 1,0V (p-p), 75ohm,
sincronismo negativo, 1 tomada RCA
Saída de S-VÍDEO (Y) 1,0V (p-p), 75ohm, sincronismo
negativo,
(C) 0,286V (p-p), 75ohm 1 tomada Mini DIN
de 4 pinos
Saída de Vídeo Componente/Progressive (Y) 1,0V (p-p),
75ohm,
sincronismo negativo,
(CR/PR)/(CB/PB) 0,7 (p-p), 75ohm
Saída de Áudio (digital coaxial) 0,5V (p-p), 75ohm,
1 tomada RCA
Saída de Áudio (áudio analógico) 2,0V (rms), 10 kohm,
2 tomadas RCA (L - esquerda, R - direita)

- Projeto e especificações estão sujeitos a alterações sem aviso prévio.
- Aviso: a cópia não autorizada de materiais áudio visuais para uso doméstico pode infringir os direitos de terceiros.

SEMP

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CUIDADO ! COMPONENTES SENSÍVEIS A DESCARGAS ELETROSTÁTICAS

Alguns semicondutores (estado sólido) podem ser facilmente danificados pela eletricidade estática. Tais componentes são comumente chamados de "componentes sensíveis eletrostaticamente" (*Electrostatically Sensitive Devices - ESD*). Exemplos típicos de *ESD*'s são os circuitos integrados, transistores de efeito de campo e *chips* semicondutores. As técnicas a seguir devem ser utilizadas para ajudar a reduzir a incidência de danos aos componentes causados por eletricidade estática.

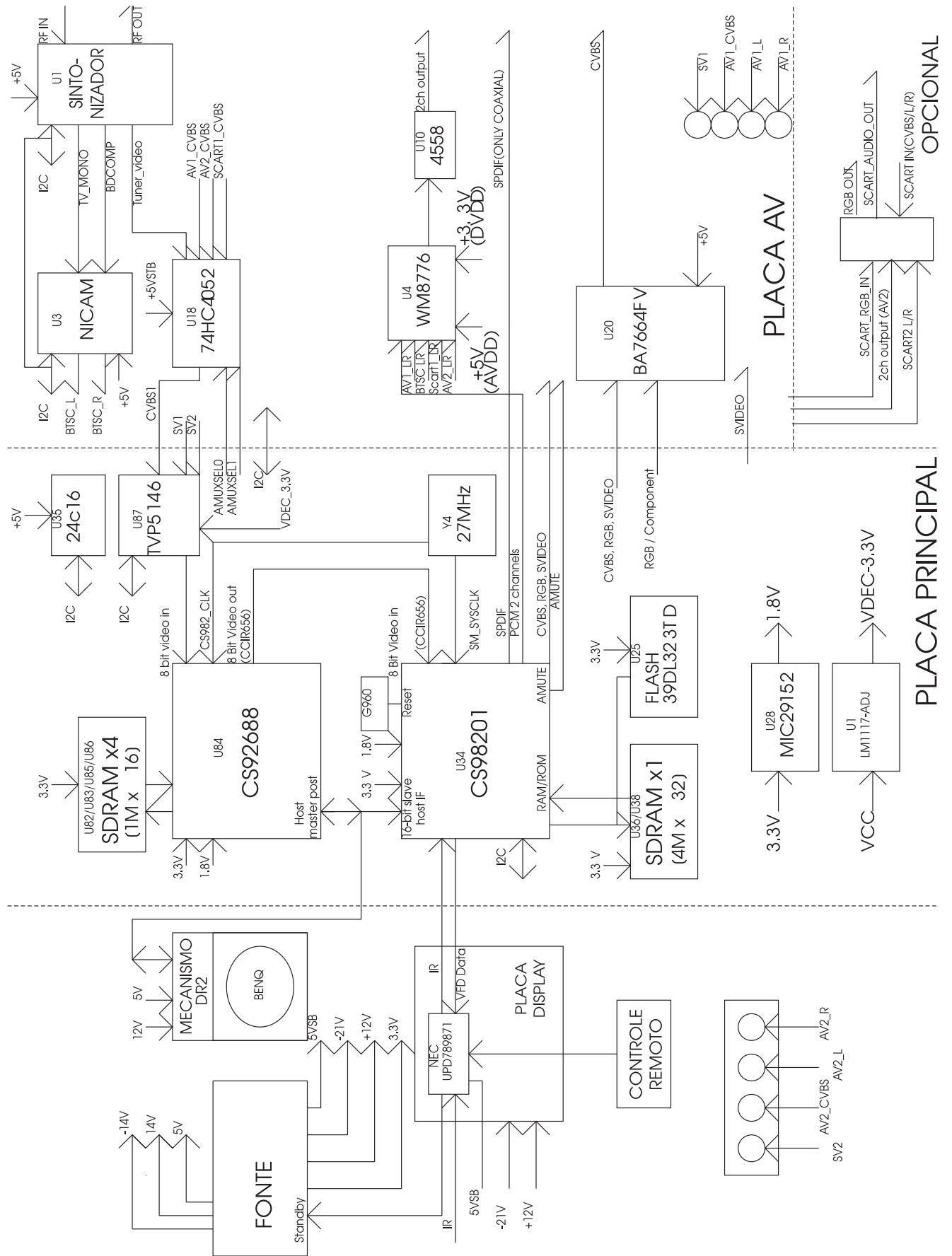
1. Mantenha o componente em sua embalagem original até o momento de sua utilização. Se necessário armazená-lo de outro modo, acondicione-o exclusivamente em material anti-estático.
2. Prepare uma estação de trabalho anti-estática para manuseio da placa montada e/ou componente *ESD*:
 - 2.1. Disponha de uma manta dissipativa sobre a bancada/mesa de trabalho.
 - 2.2. Providencie uma pulseira para descarga de eletricidade estática disponível no comércio. Efetue diariamente a aferição da pulseira.
 - 2.3. Aterre ambos, manta e pulseira, a uma malha reconhecidamente aterrada.
 - 2.4. Disponha todo o material necessário ao trabalho sobre a manta; minimize os movimentos. No momento em que for manusear a placa/componente, coloque a pulseira.

IMPORTANTE !

Assegure-se de que não haja qualquer potencial que seja aplicado ao chassi ou circuito bem como retire a pulseira antes de energizar a unidade sob teste/reparo a fim de evitar riscos de choque elétrico.

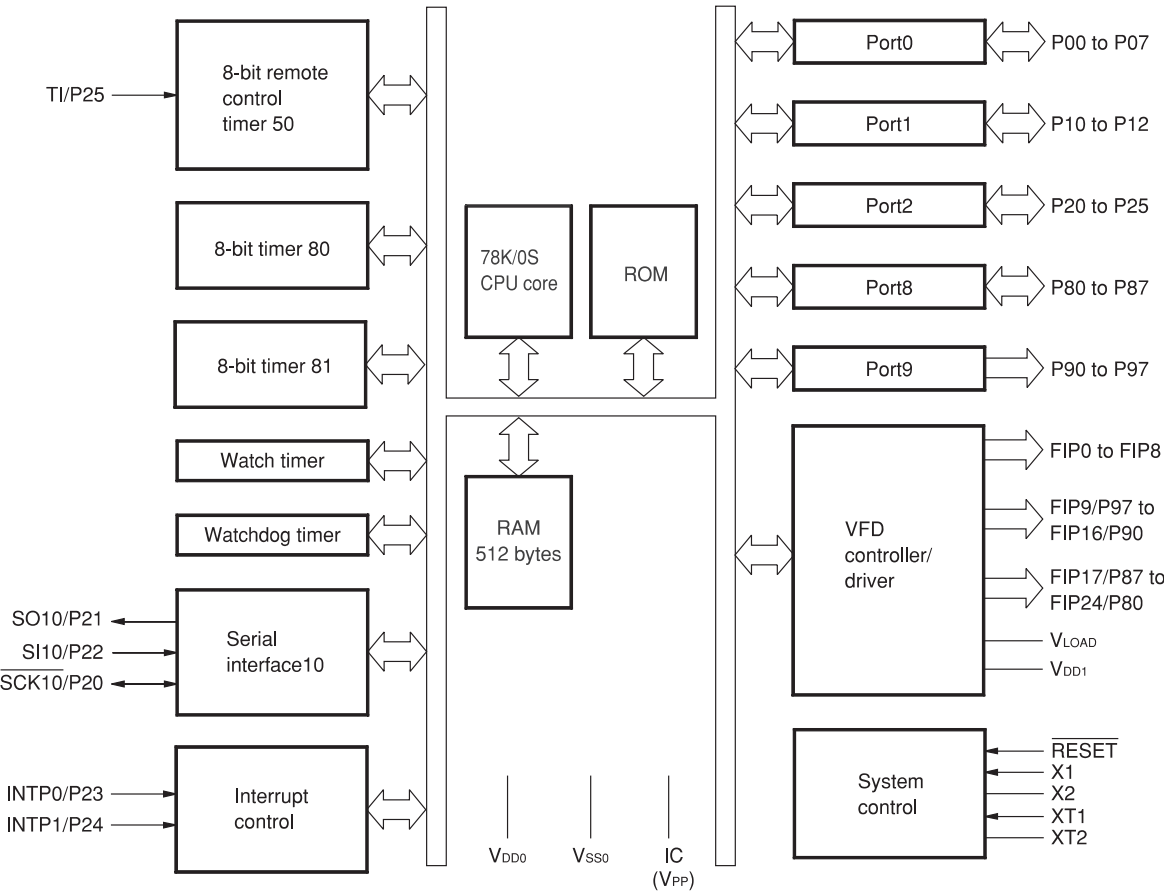
3. Use somente ferros-de-soldar com a ponta aterrada para soldar ou retirar componentes sensíveis à eletrostática.
4. Não utilize produtos químicos cujo proPÉlente usado seja freon. Eles podem gerar cargas elétricas suficientes para danificar componentes *ESD*.

1- DIAGRAMA DE BLOCOS

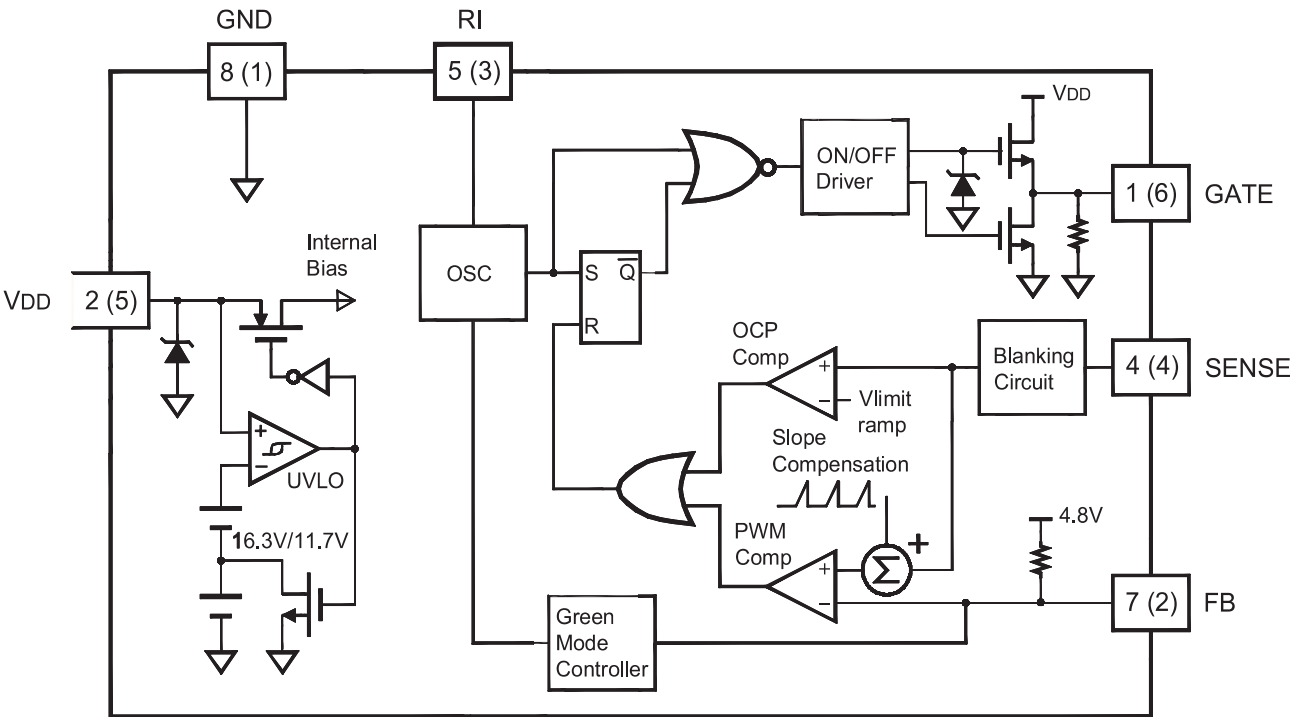


1.1- Diagrama de blocos dos circuitos integrados

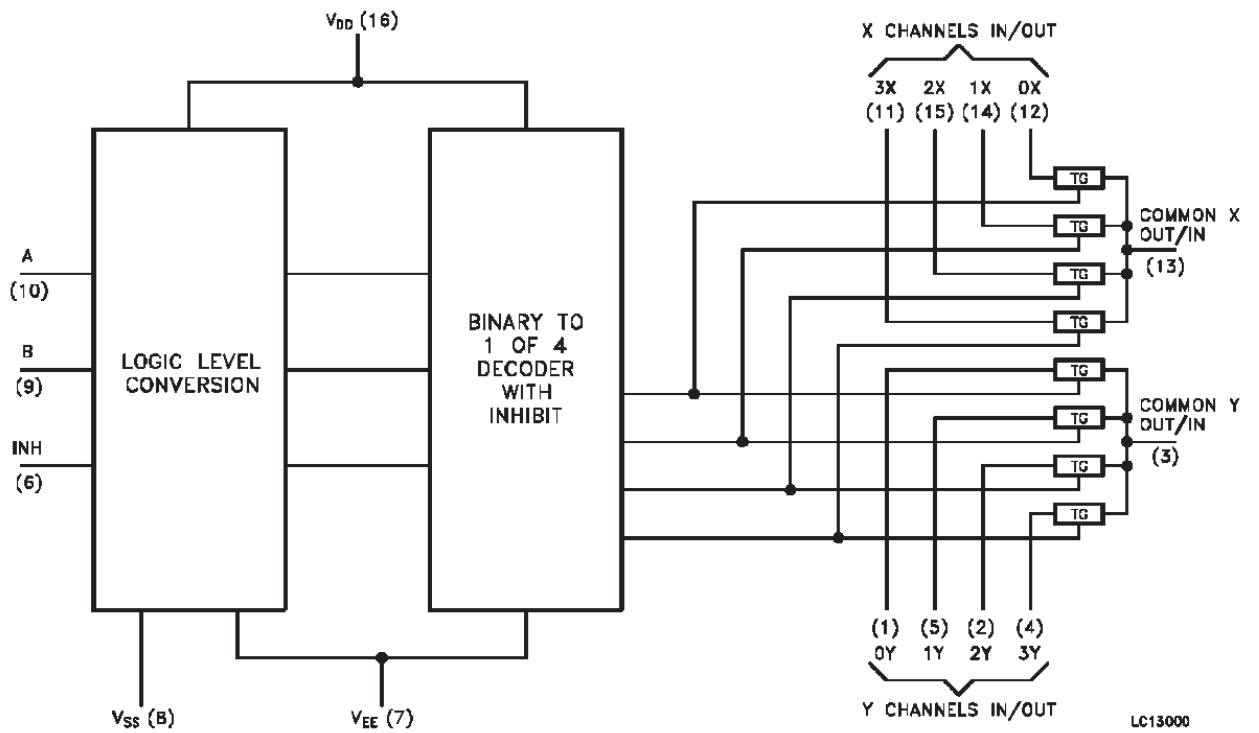
IC,UPD789871



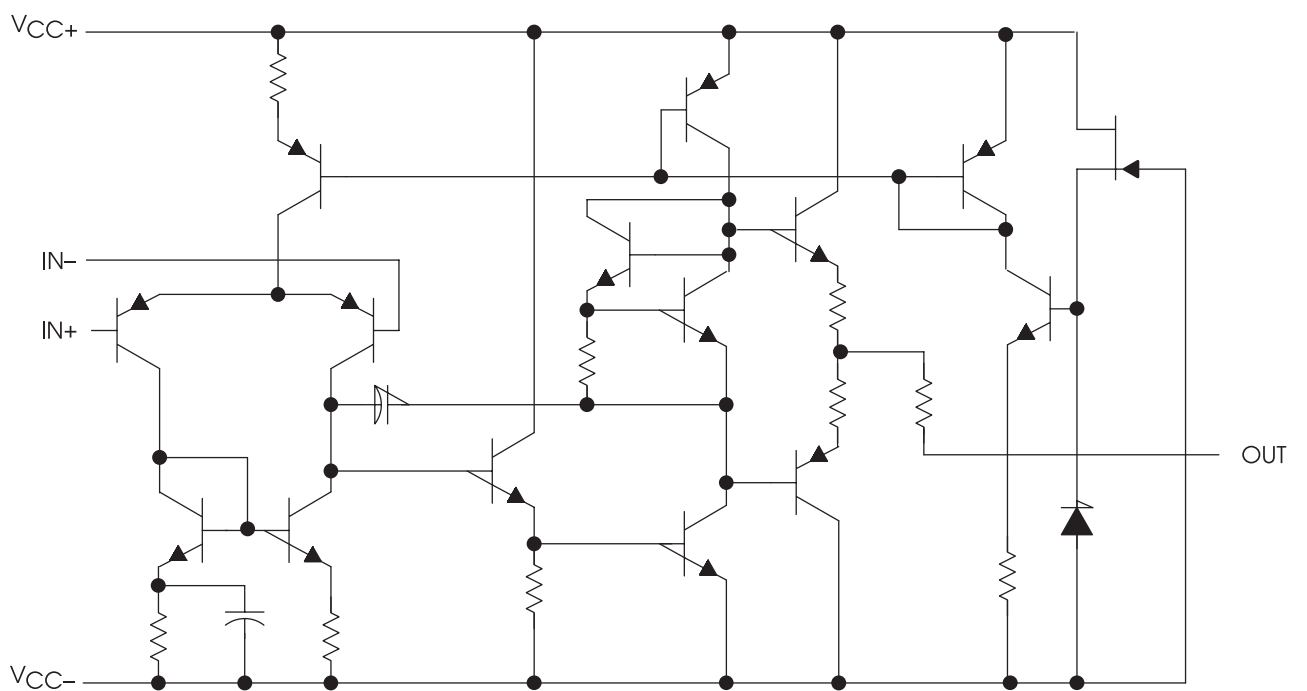
CI,SG6848



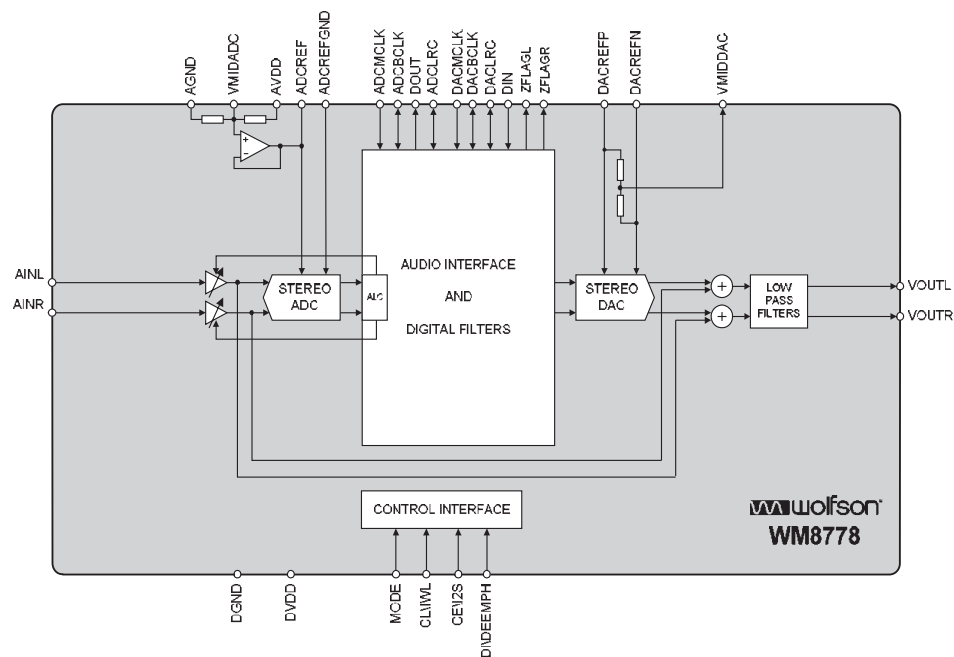
CI,M74HC4052



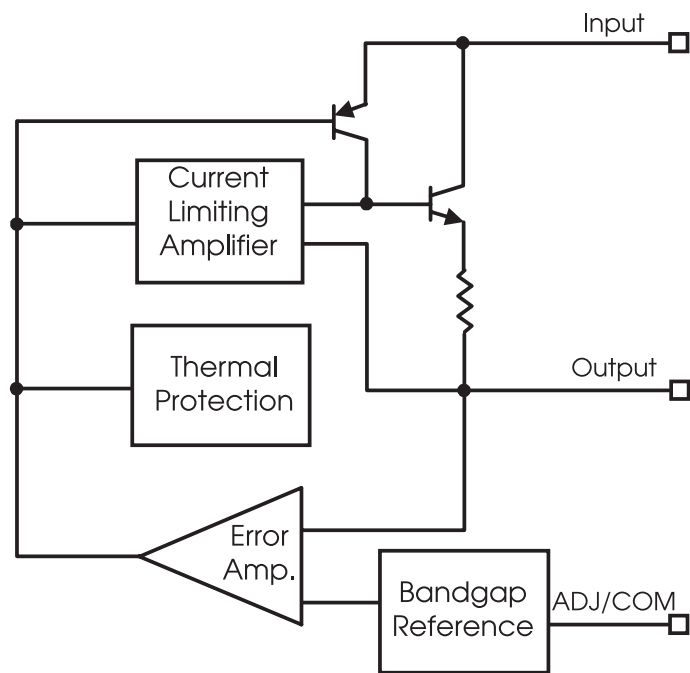
CI,RC4558



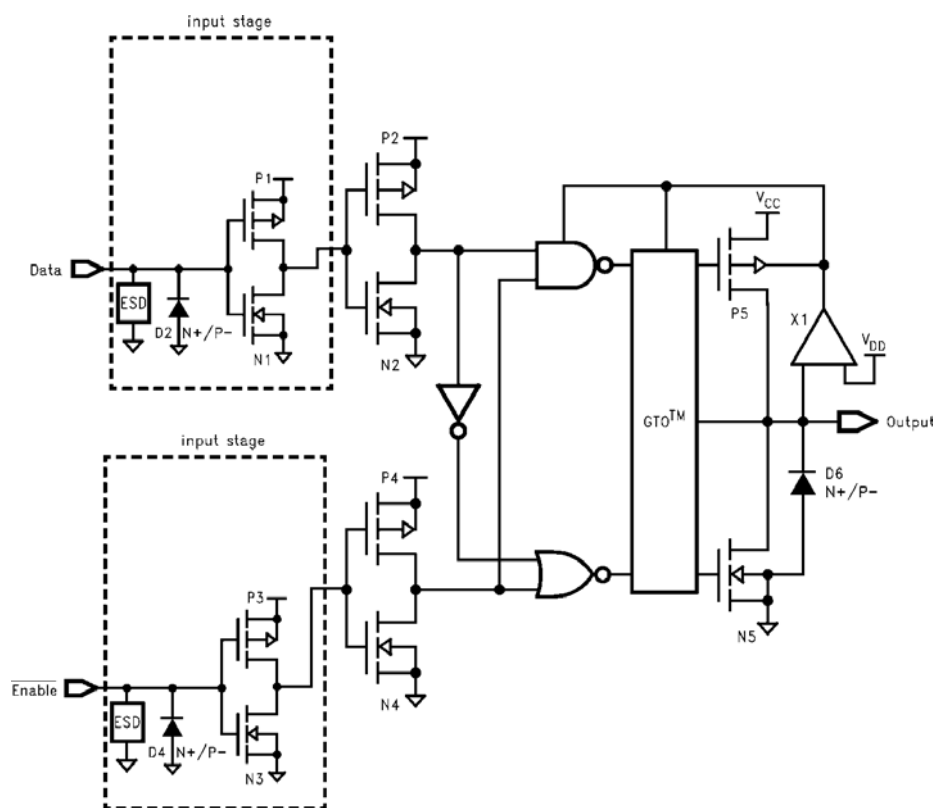
CI,WM8776



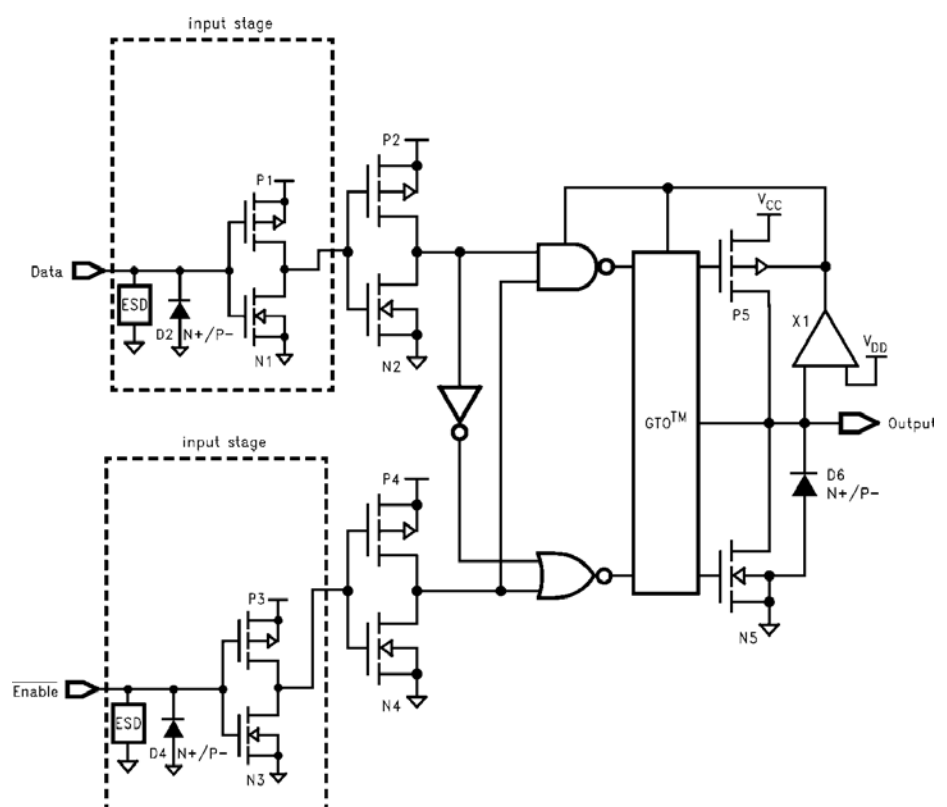
CI,AME1117



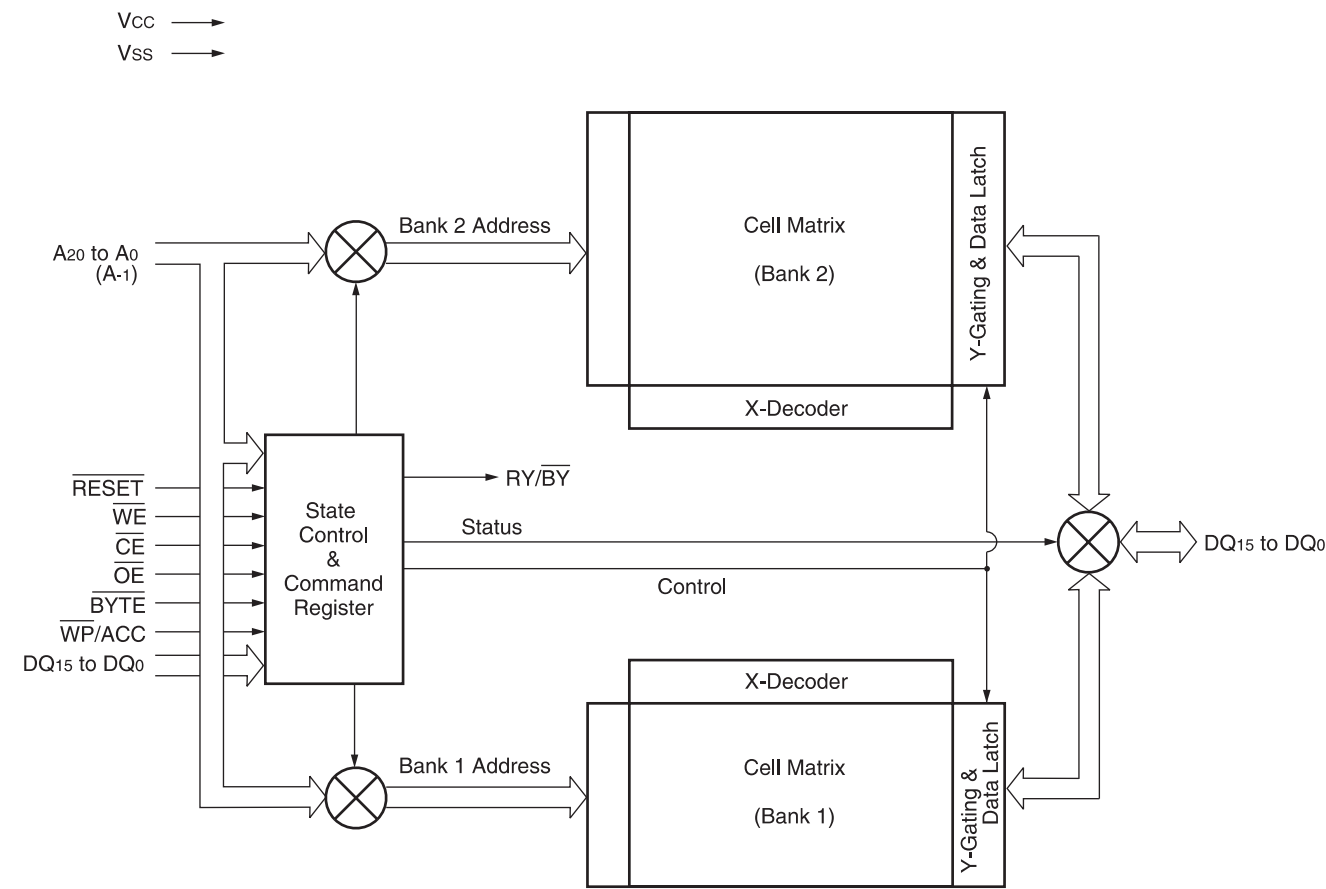
CI,74LCX257MTC



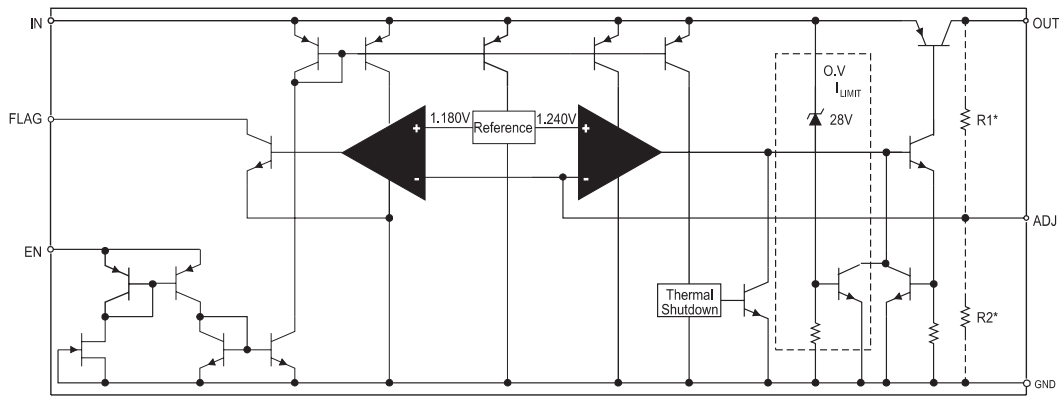
CI,74LCX125MTC

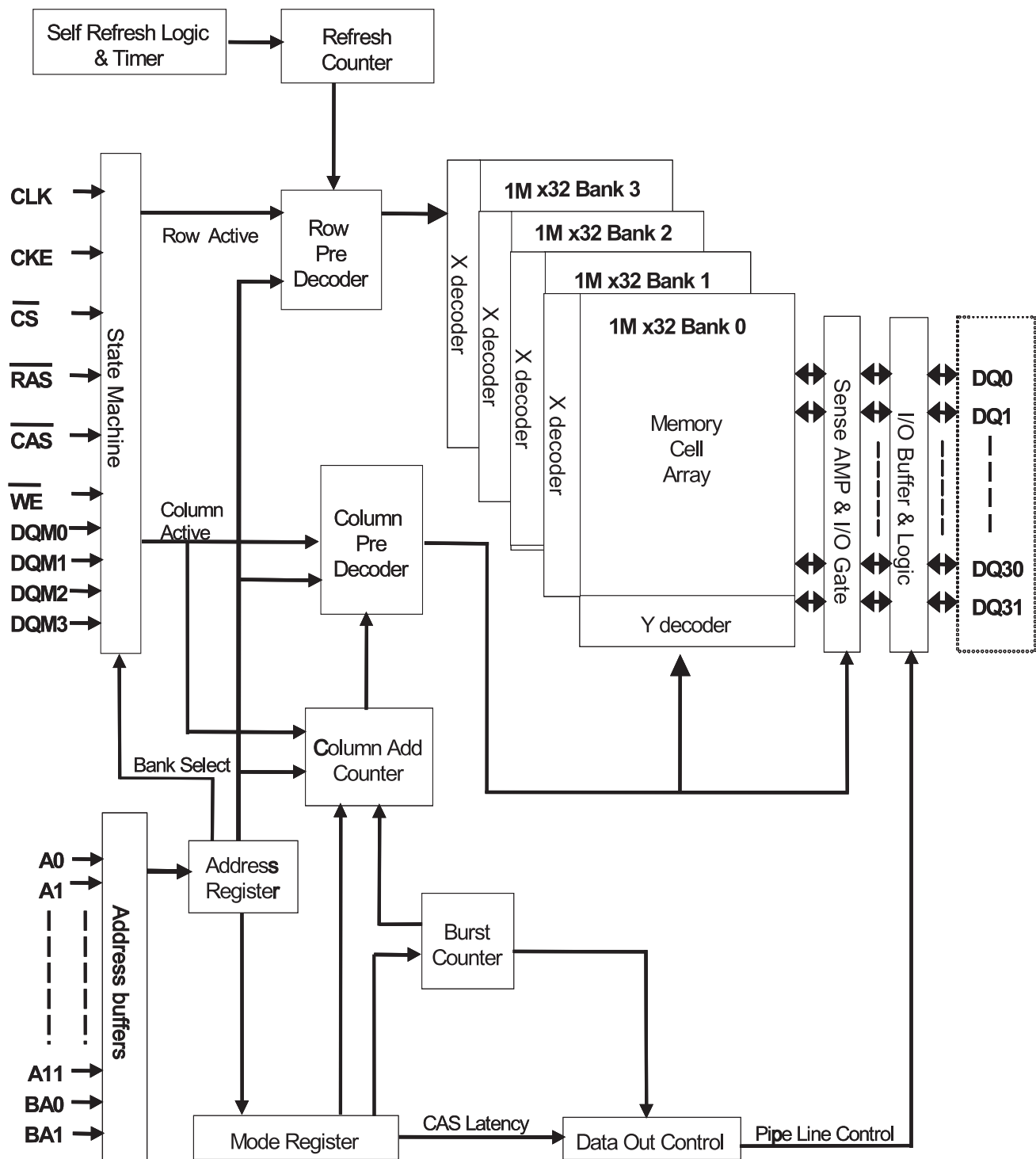


CI,MBM29DL323TE

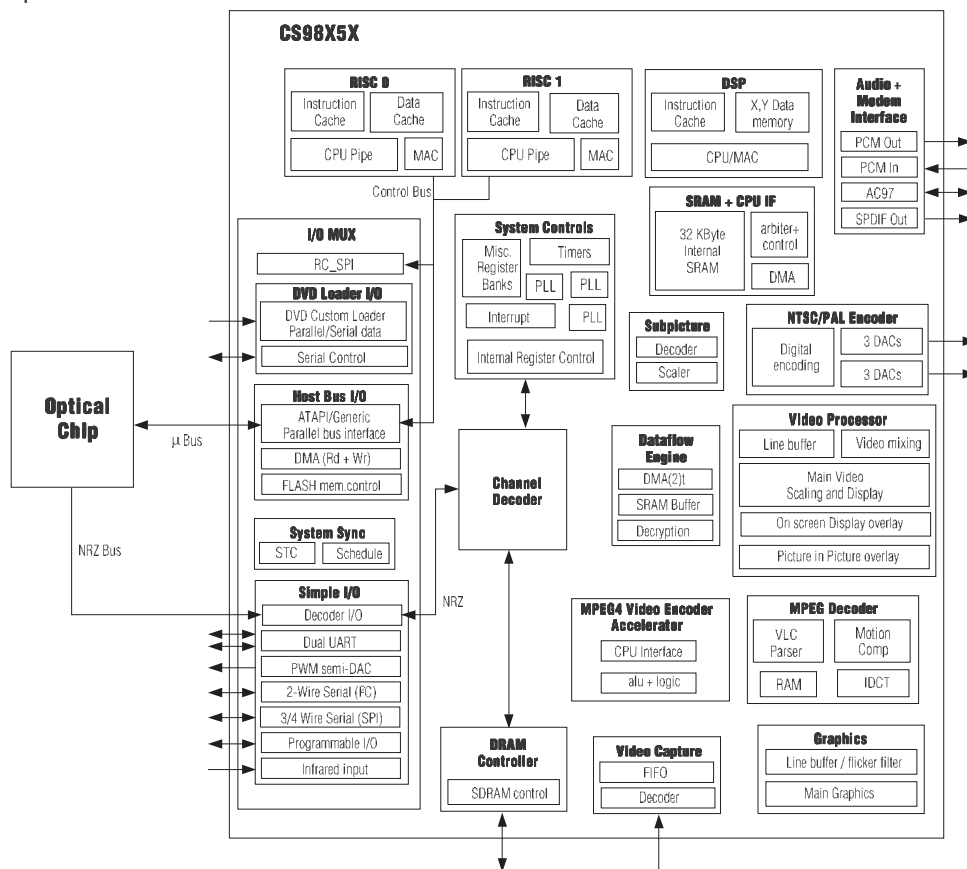


CI,SPX29152T5

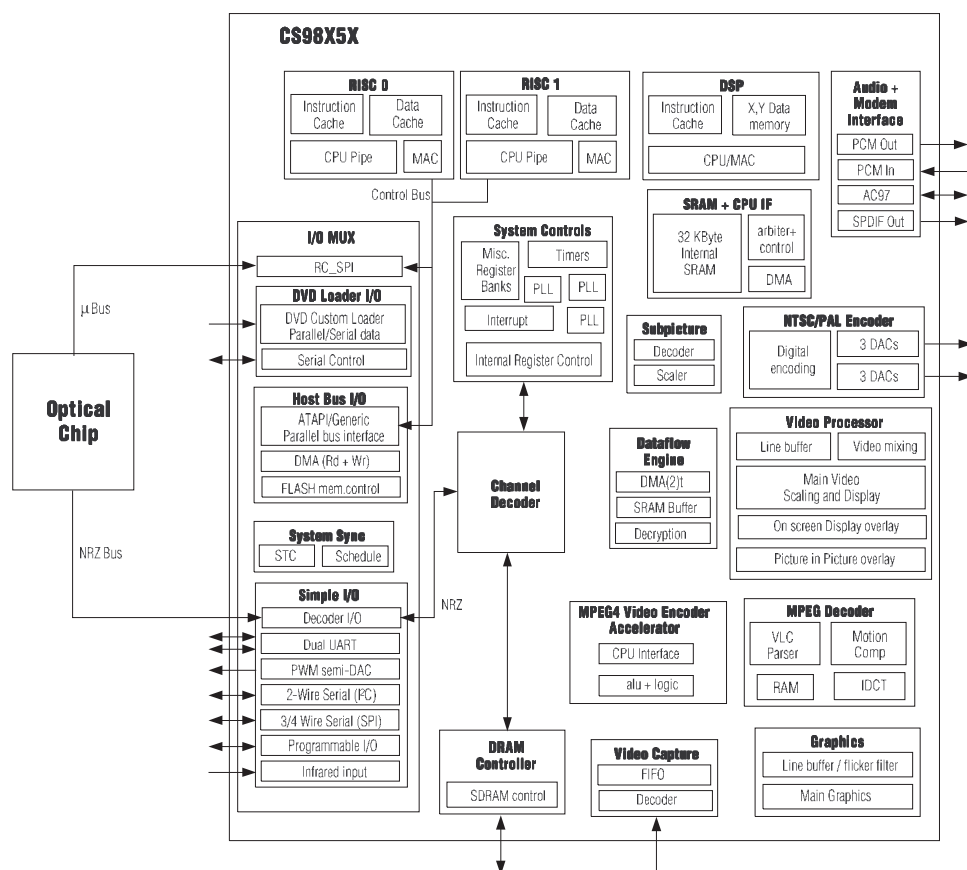




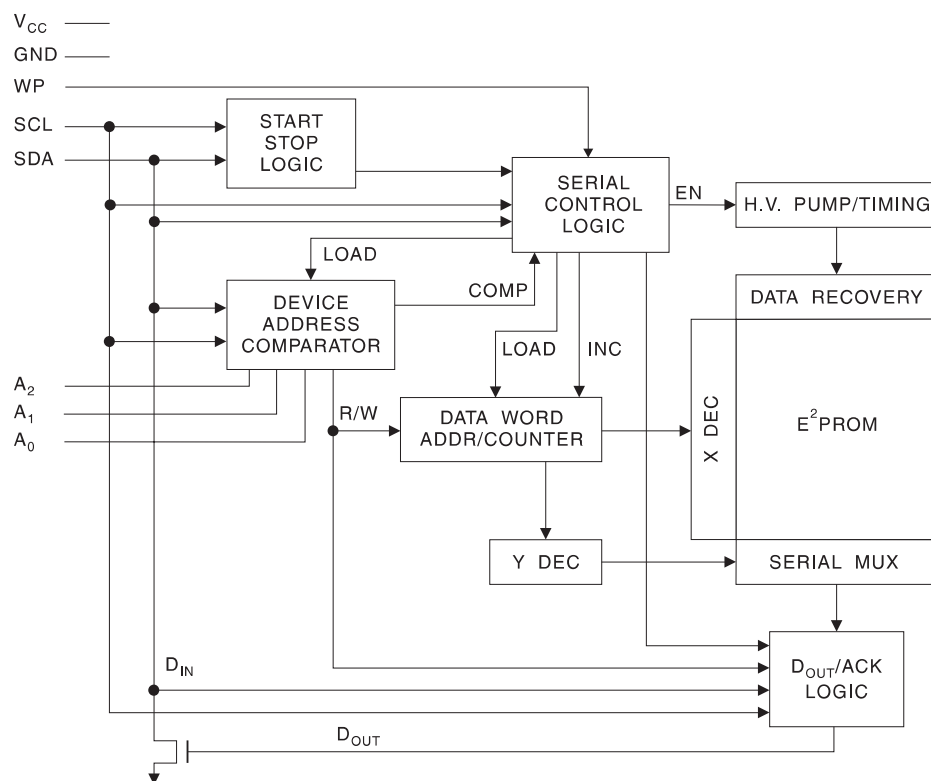
IC,CS98201 parallel version



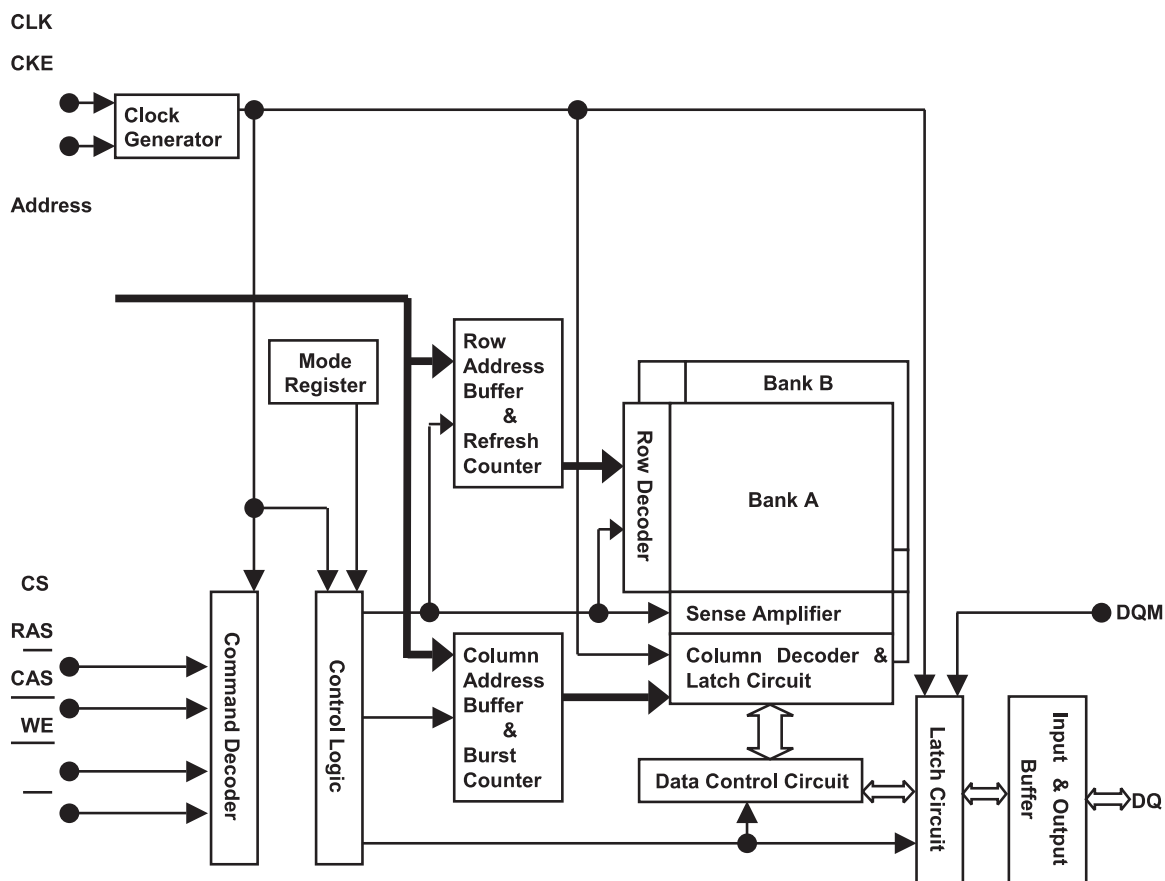
serial version



IC,AT24C16AN



IC,VT361716T



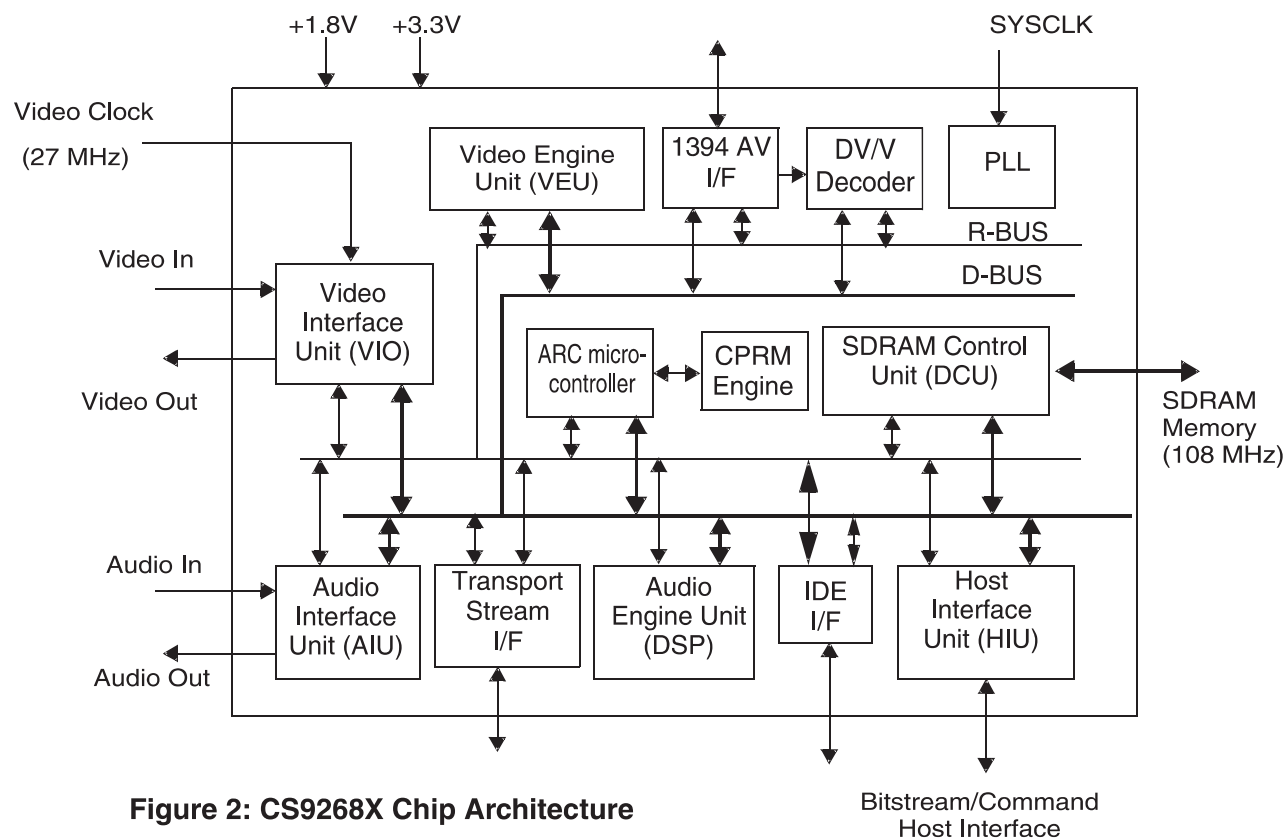
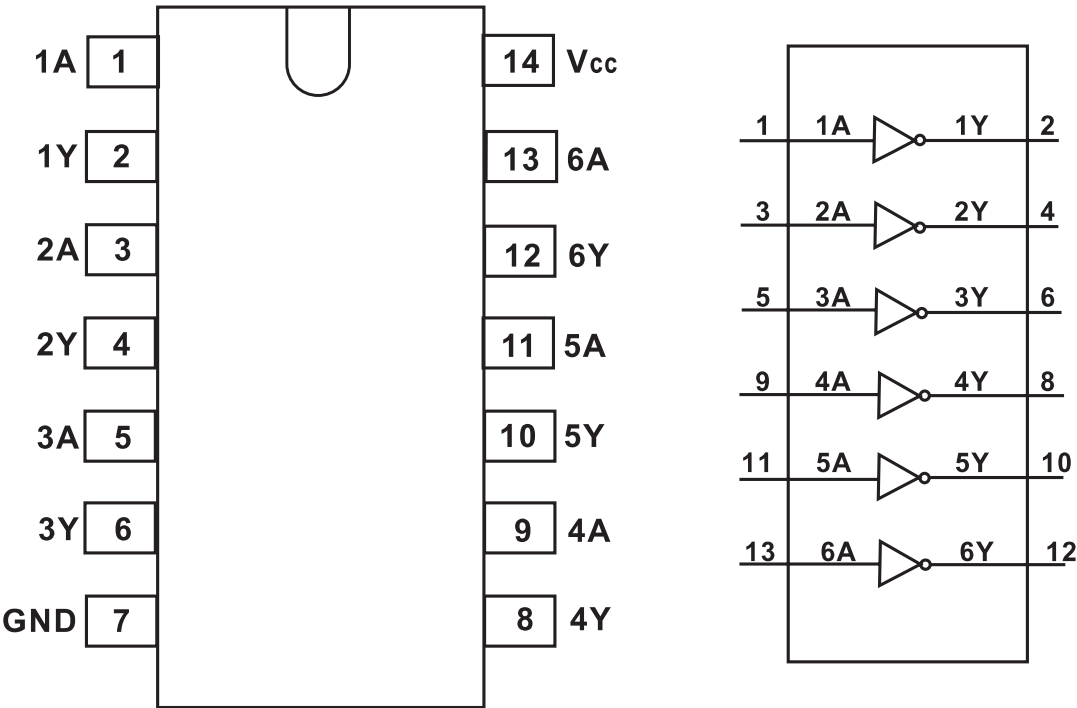
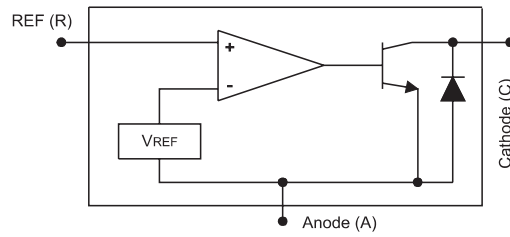


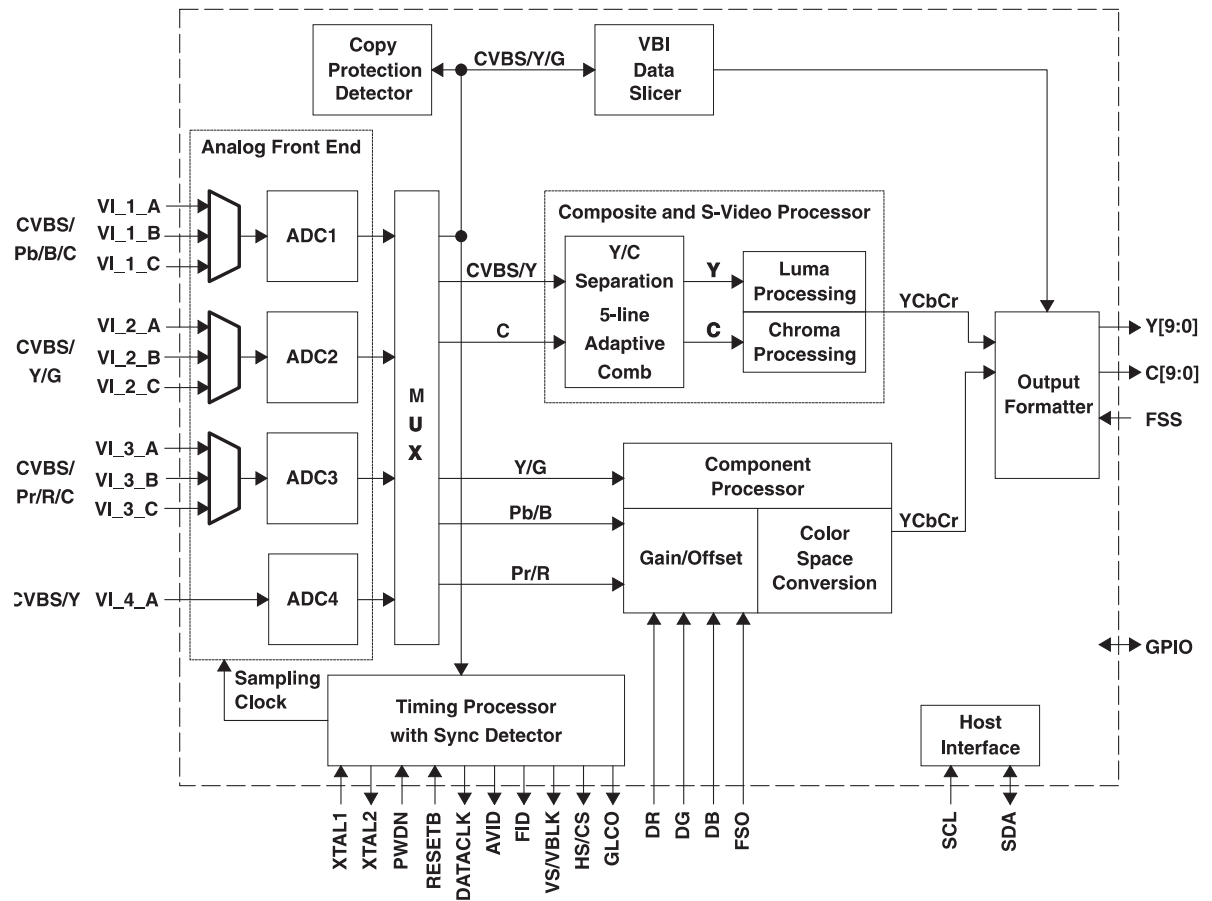
Figure 2: CS9268X Chip Architecture



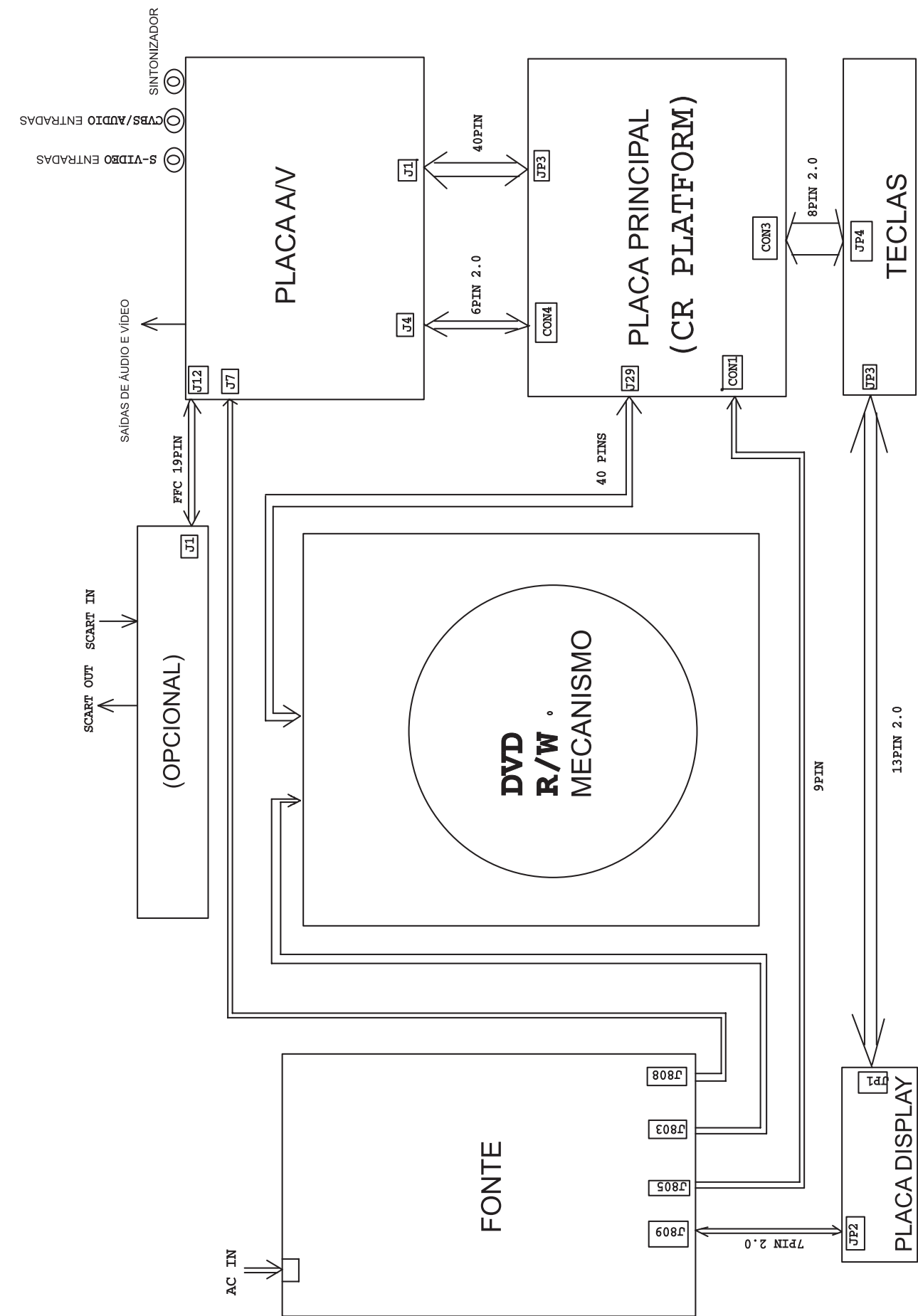
CI,AP431



IC,TVP5146PFP



2- DIAGRAMA DE FIAÇÃO



3.1- Diagrama de circuito da Fonte de Alimentação



WARNING: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH THE SAME TYPE AND RATING OF FUSE.

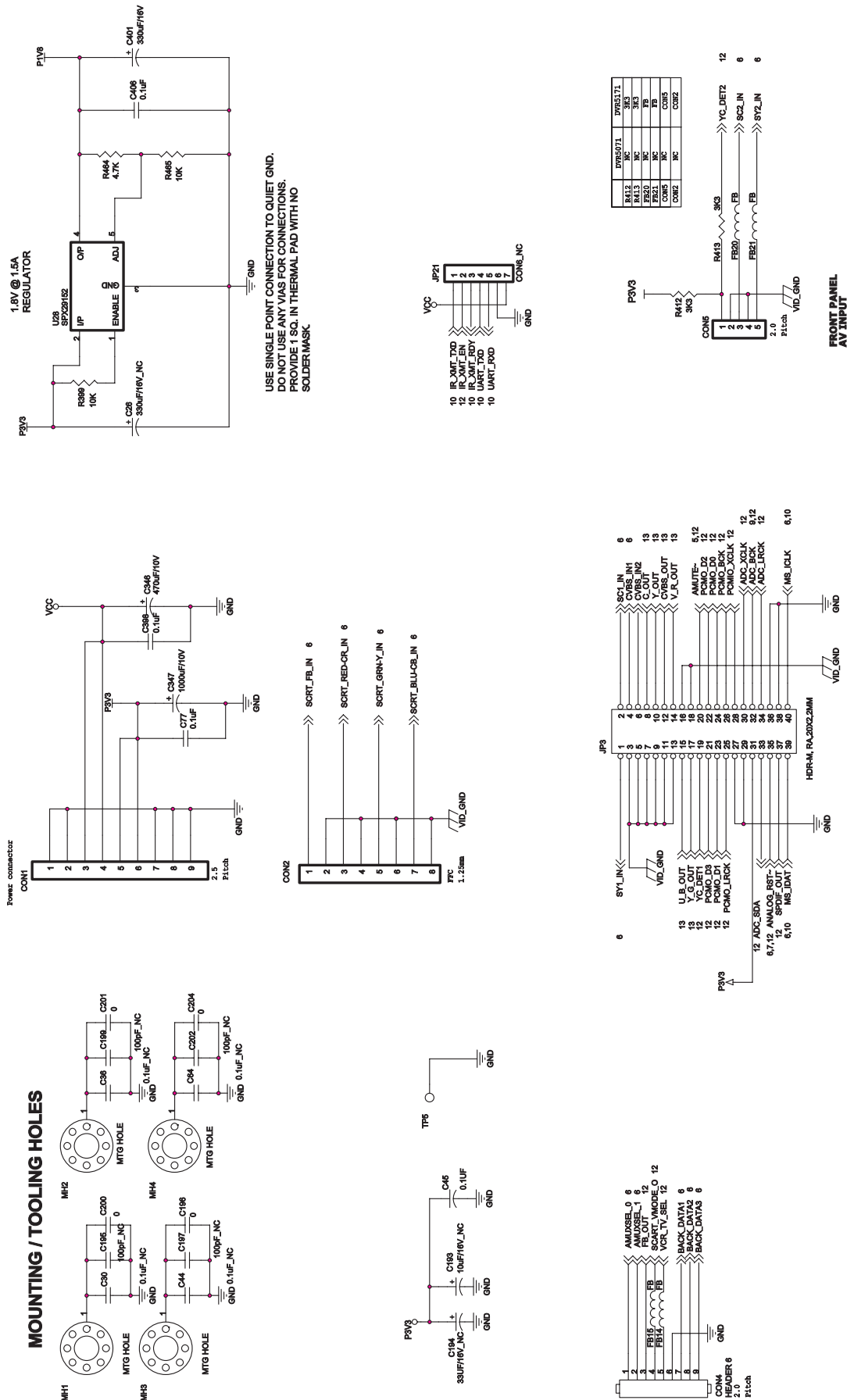
NOTE:

THE UNIT OF RESISTANCE "OHM" IS OMITTED.

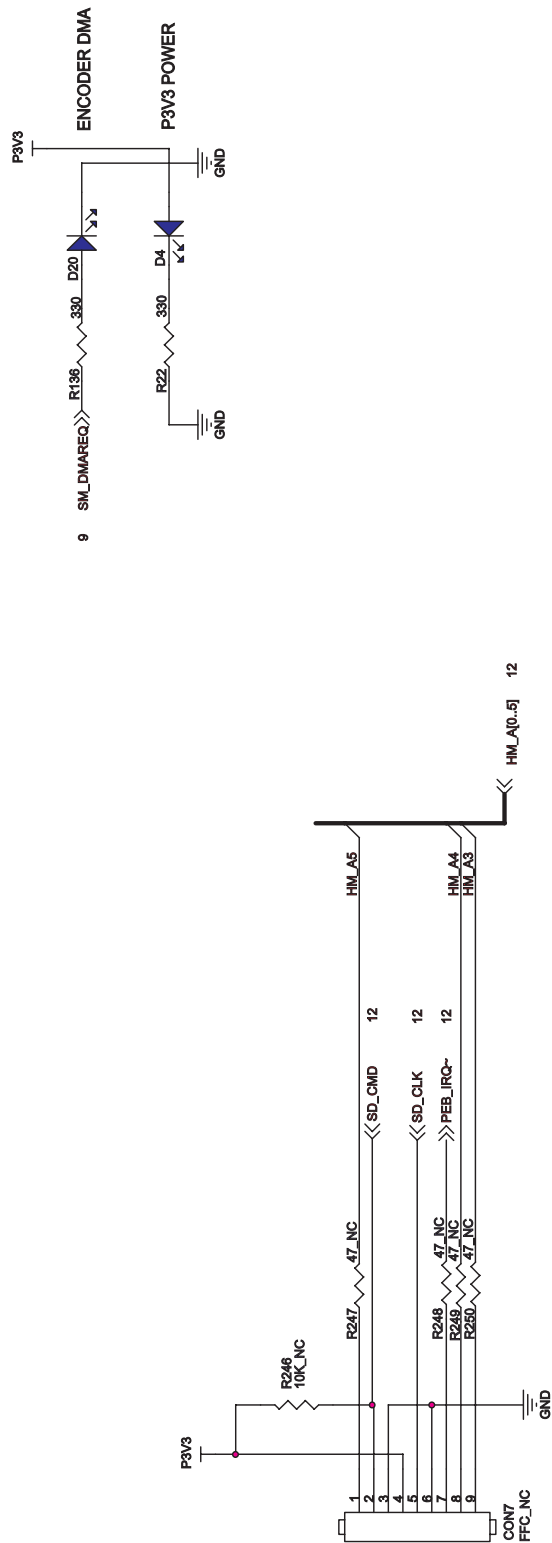
2. ALL RESISTORS ARE " 1/8W, 5% " UNLESS OTHERWISE NOTED.

3. THE TEMPERATURE OF CAPACITOR IS " 85 DEGREE " UNLESS OTHERWISE NOTED.

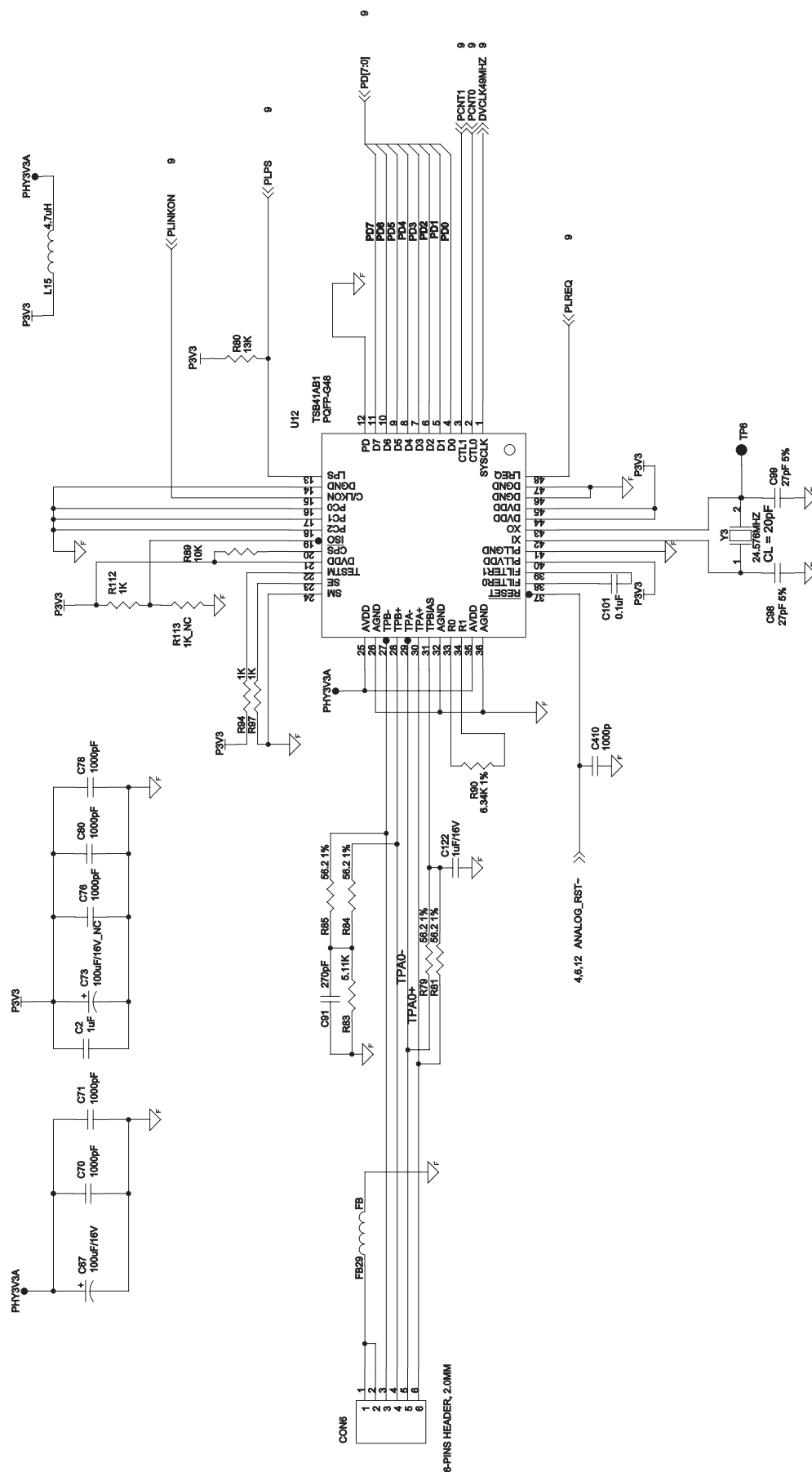
3.2- Diagrama de circuito da placa Principal 2/11



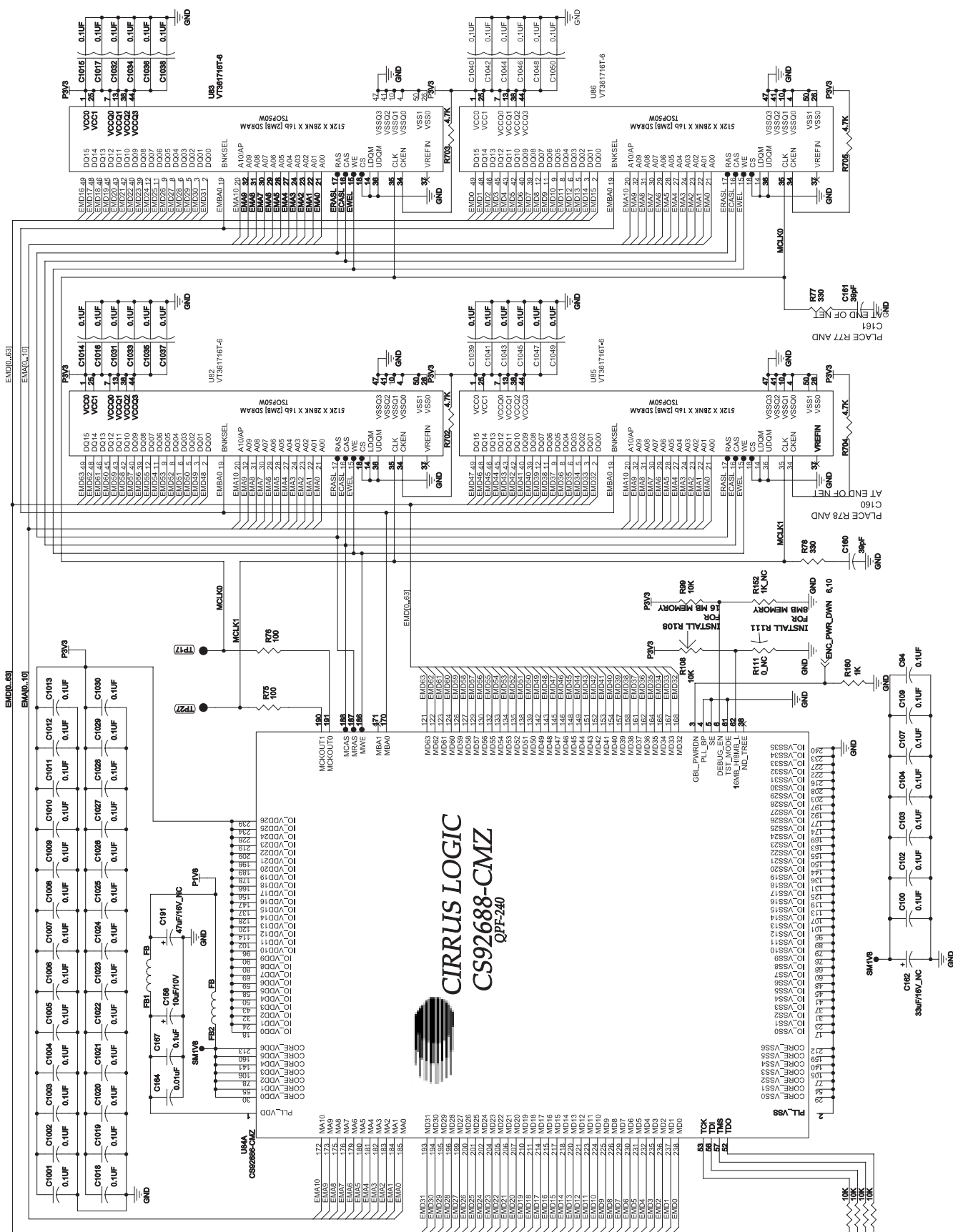
3.2- Diagrama de circuito da placa Principal 3/11



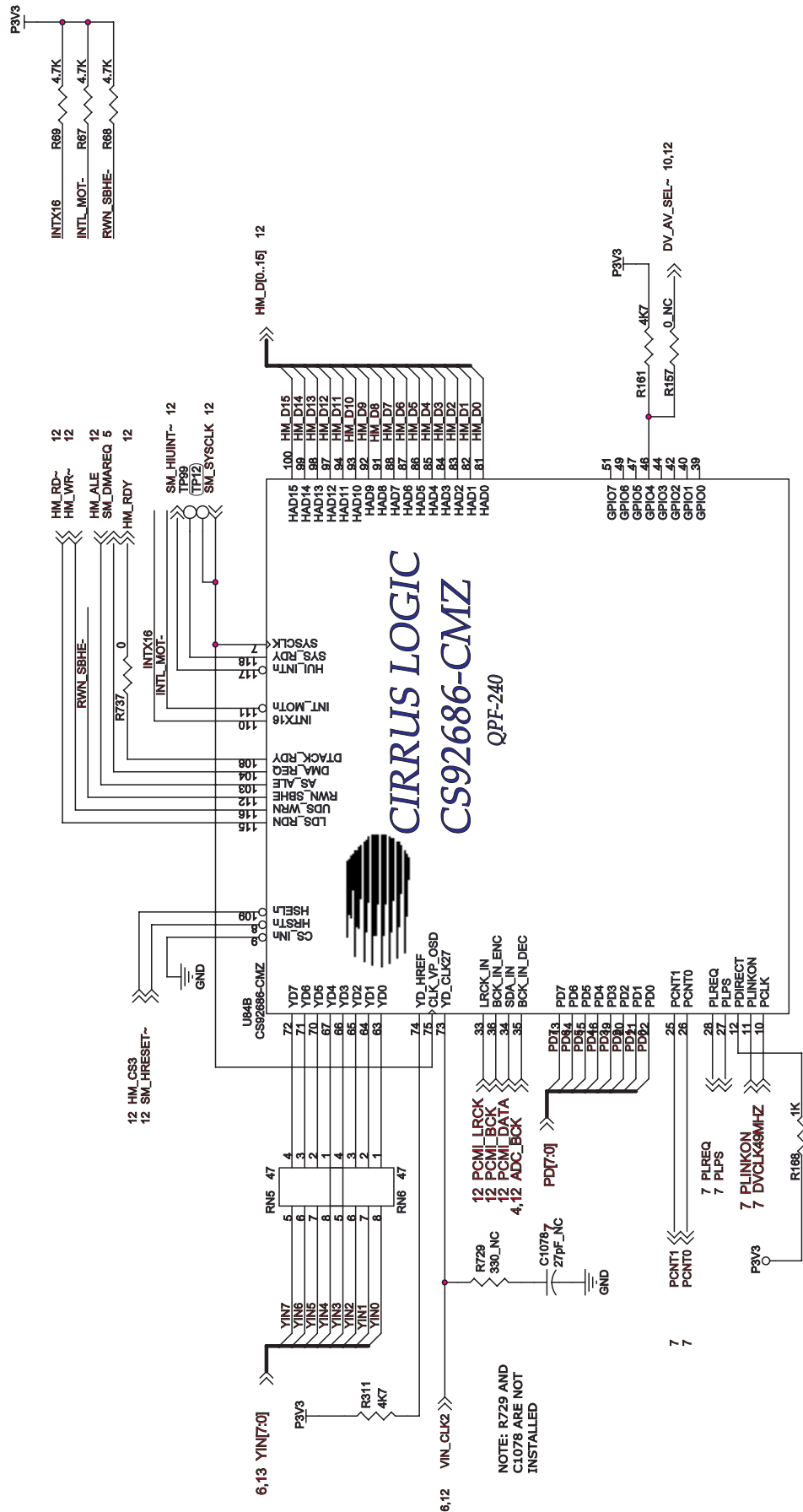
3.2- Diagrama de circuito da placa Principal 5/11



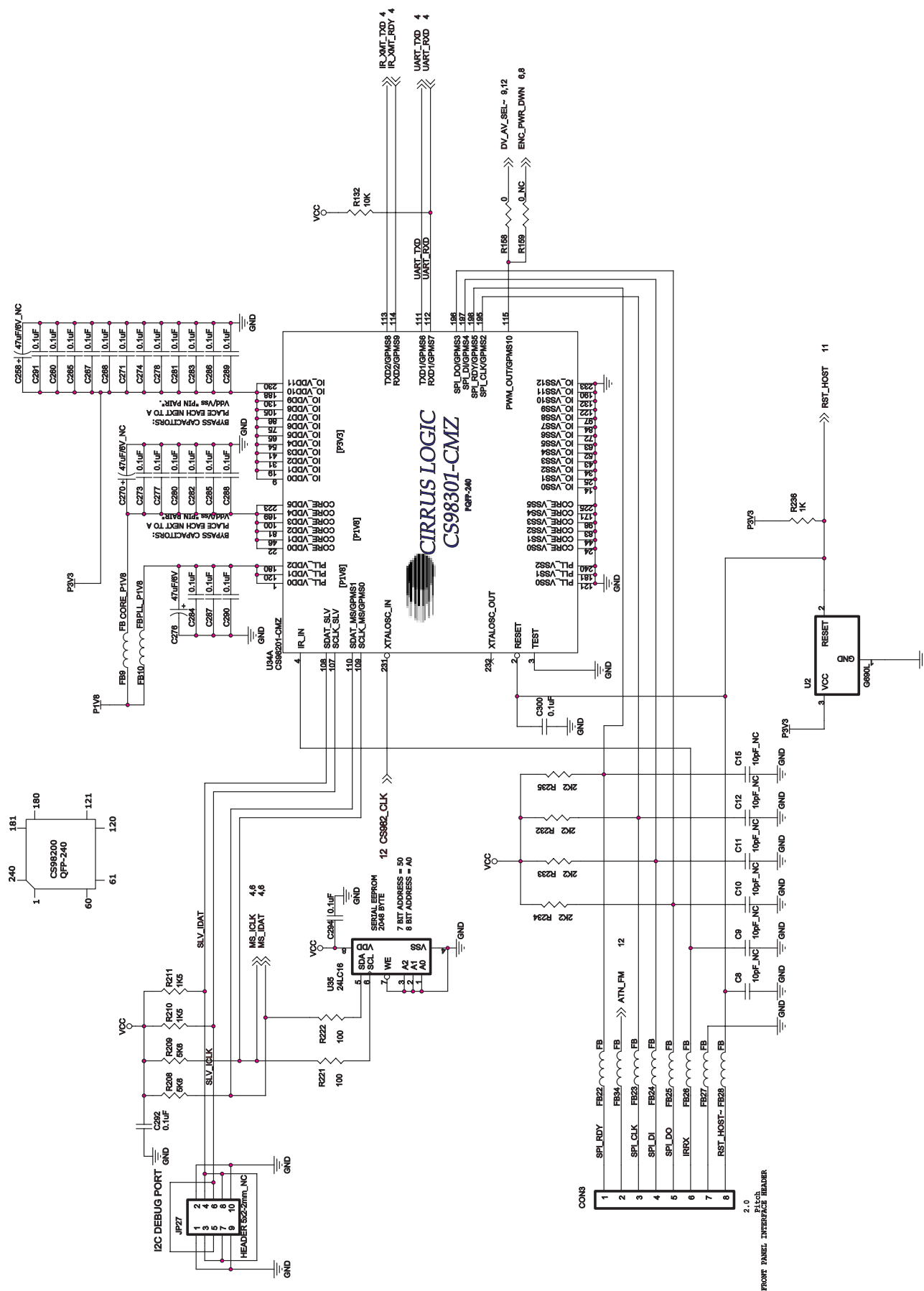
3.2- Diagrama de circuito da placa Principal 6/11



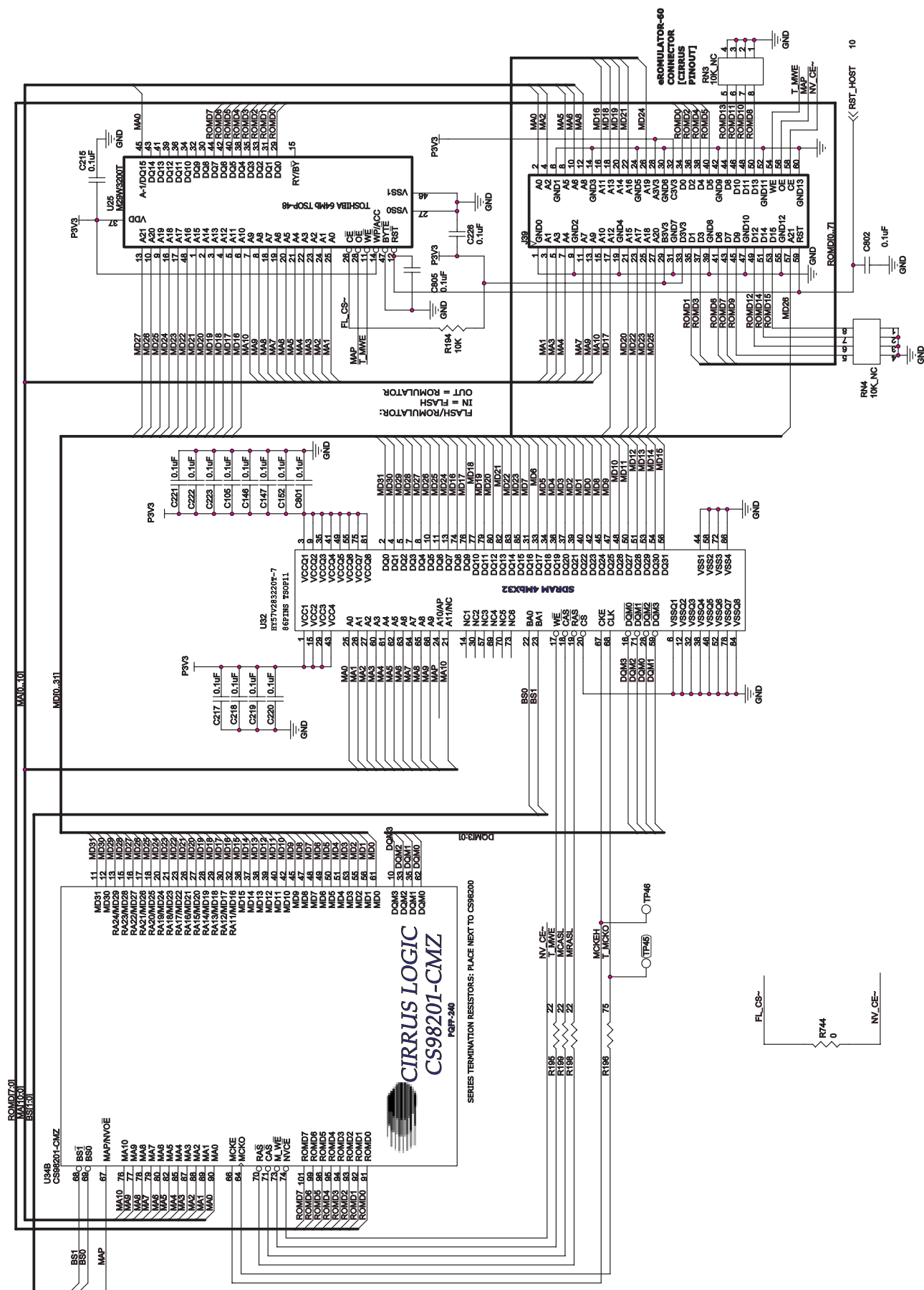
3.2- Diagrama de circuito da placa Principal 7/11



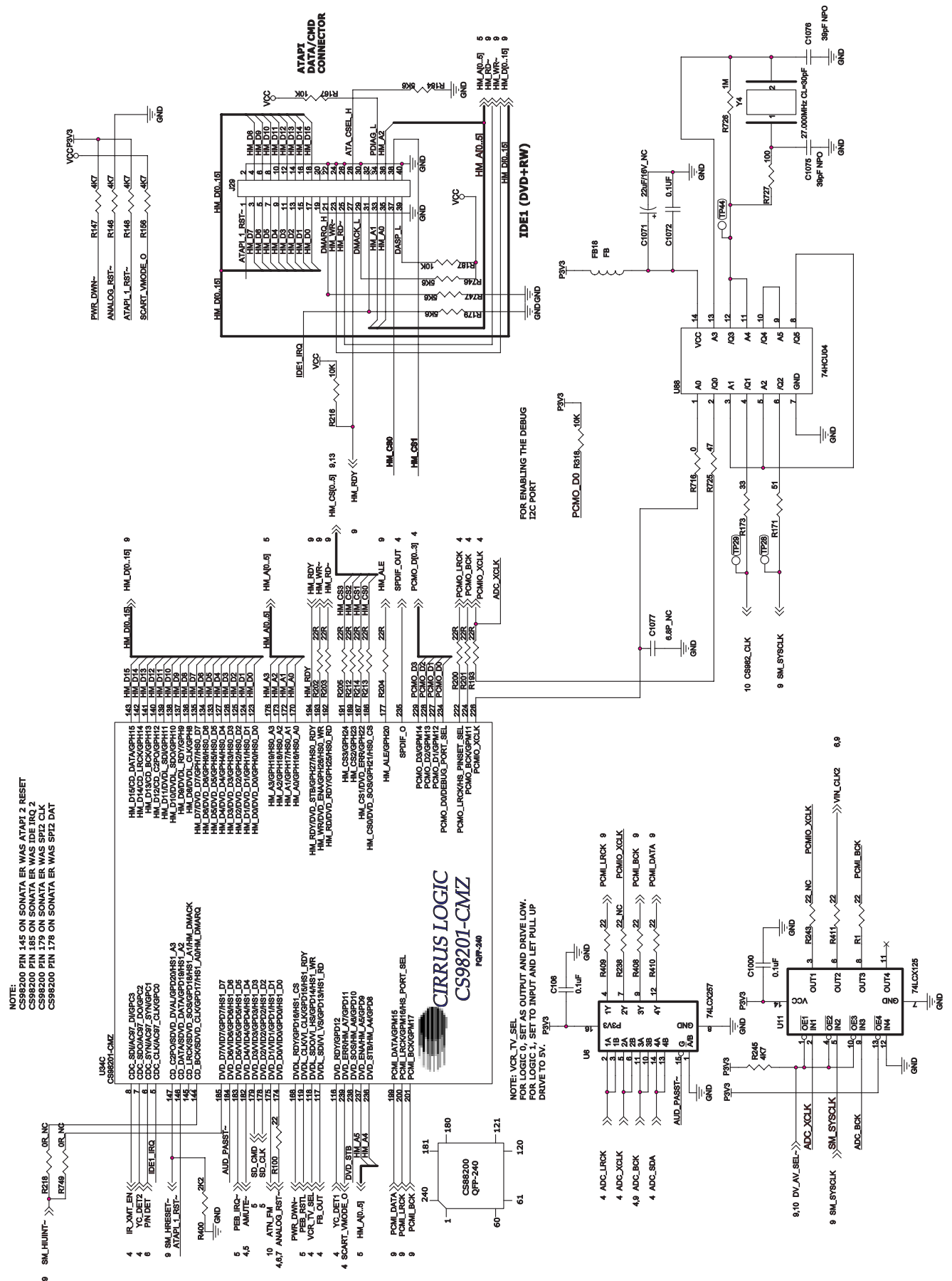
3.2- Diagrama de circuito da placa Principal 8/11



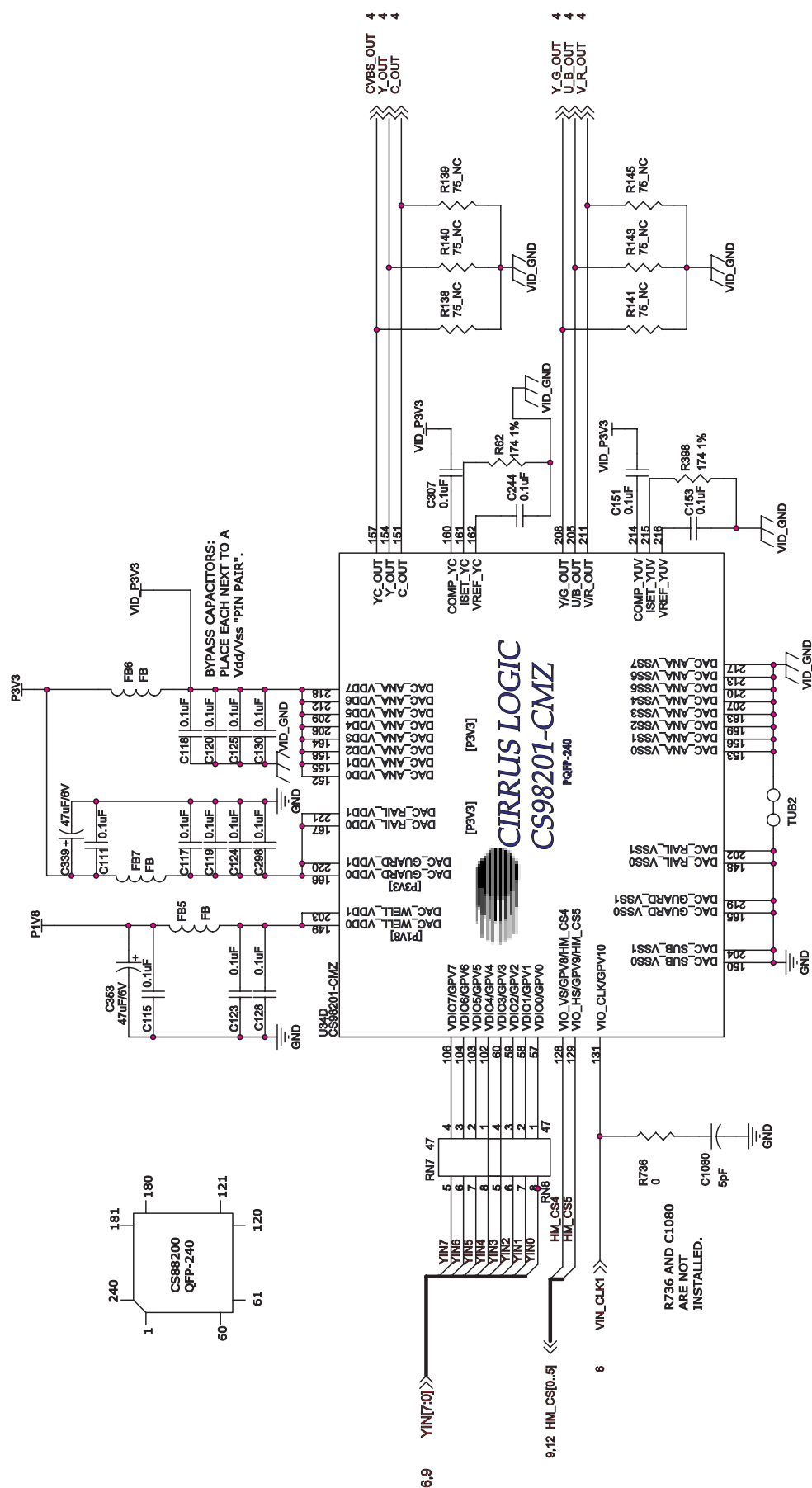
3.2- Diagrama de circuito da placa Principal 9/11



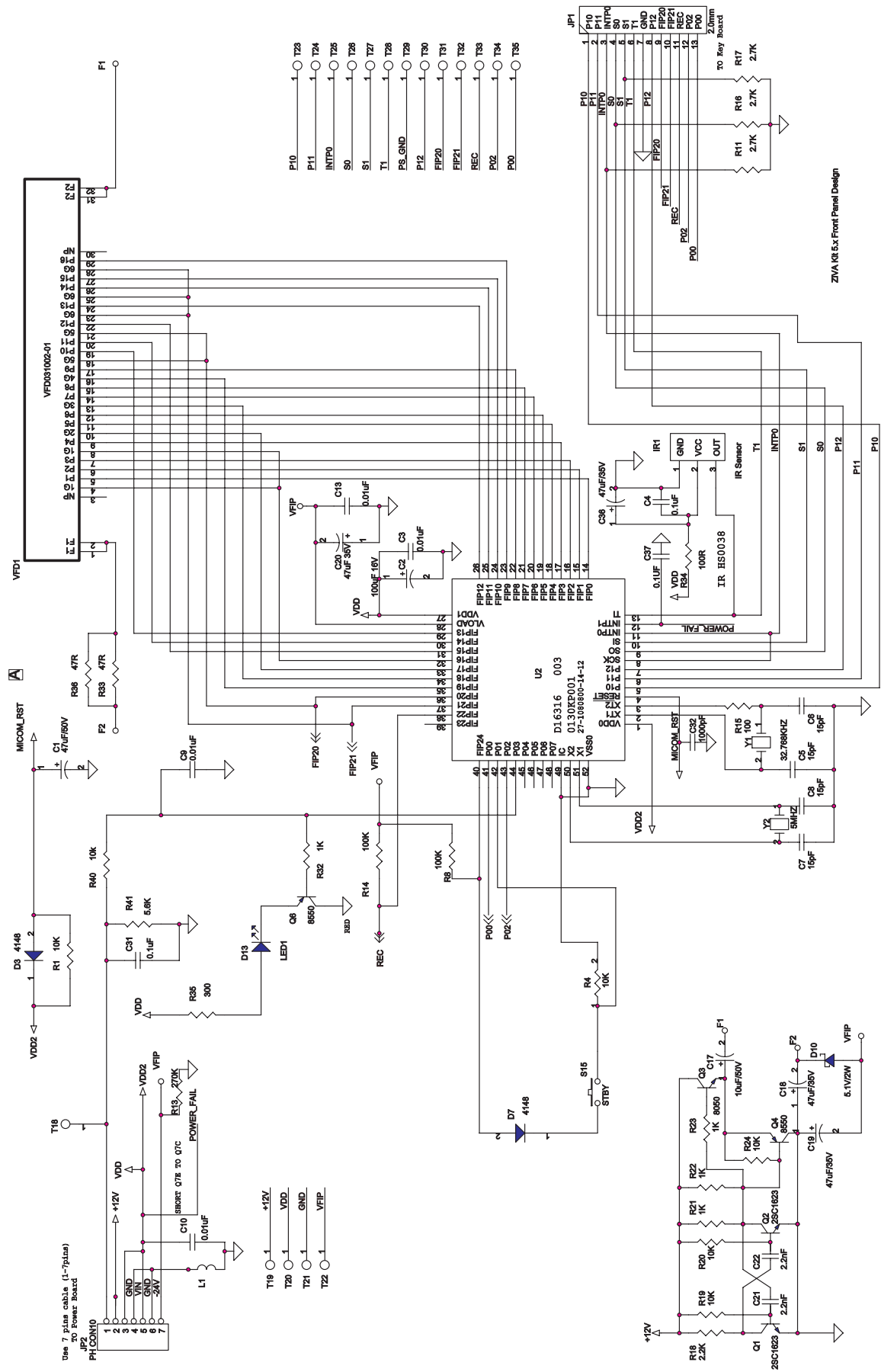
3.2- Diagrama de circuito da placa Principal 10/11



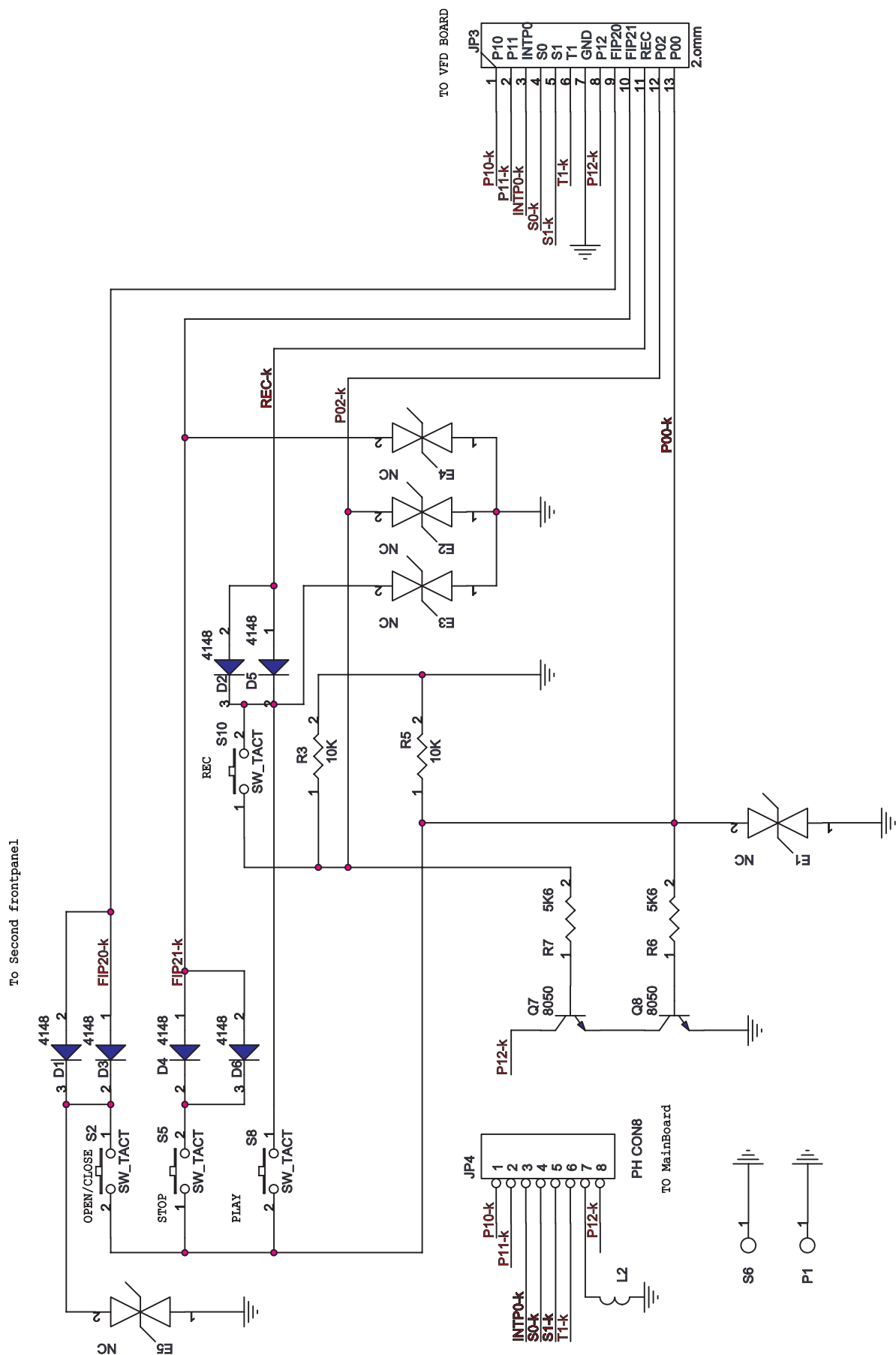
3.2- Diagrama de circuito da placa Principal 11/11



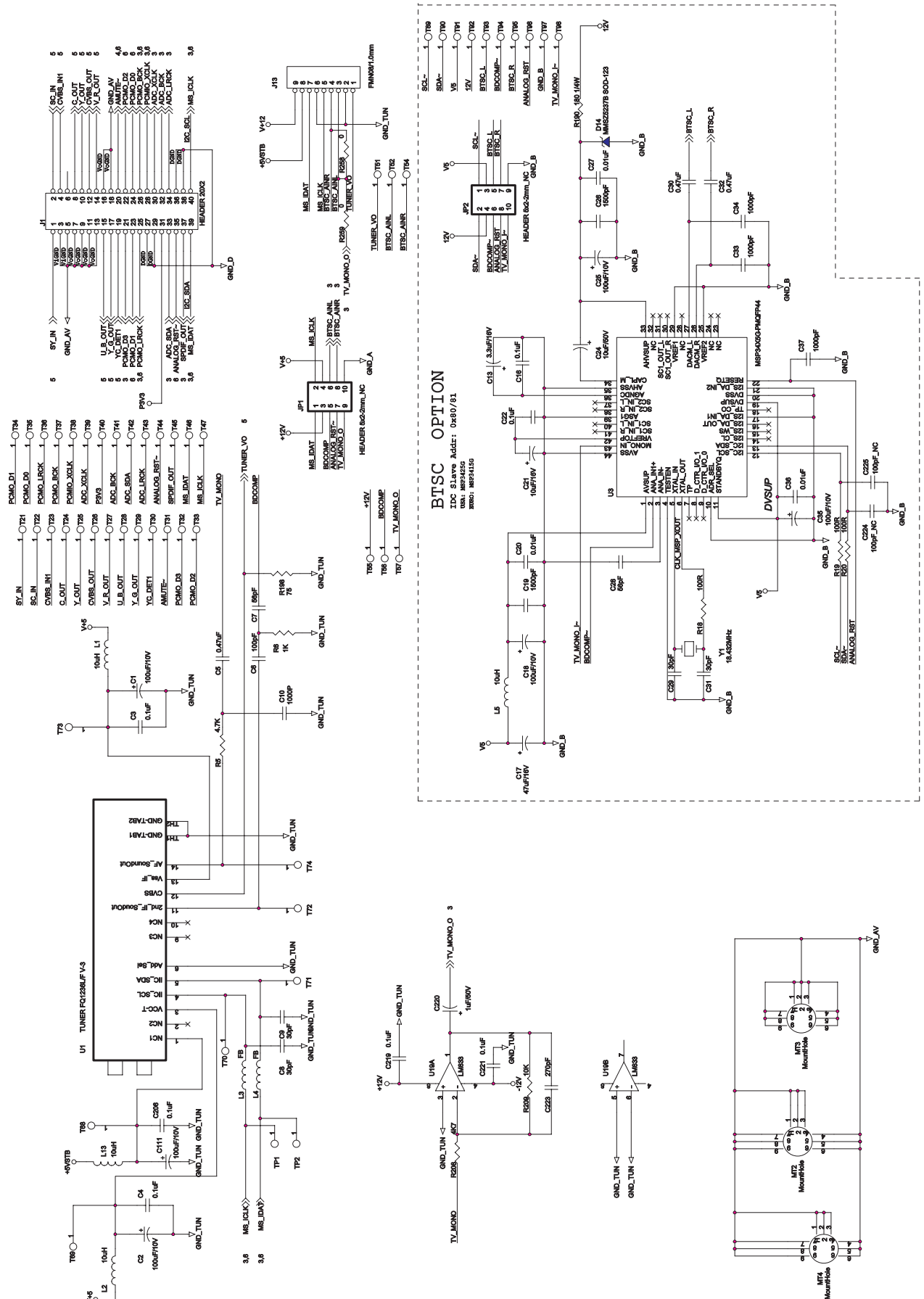
3.3- Diagrama de circuito da placa Display



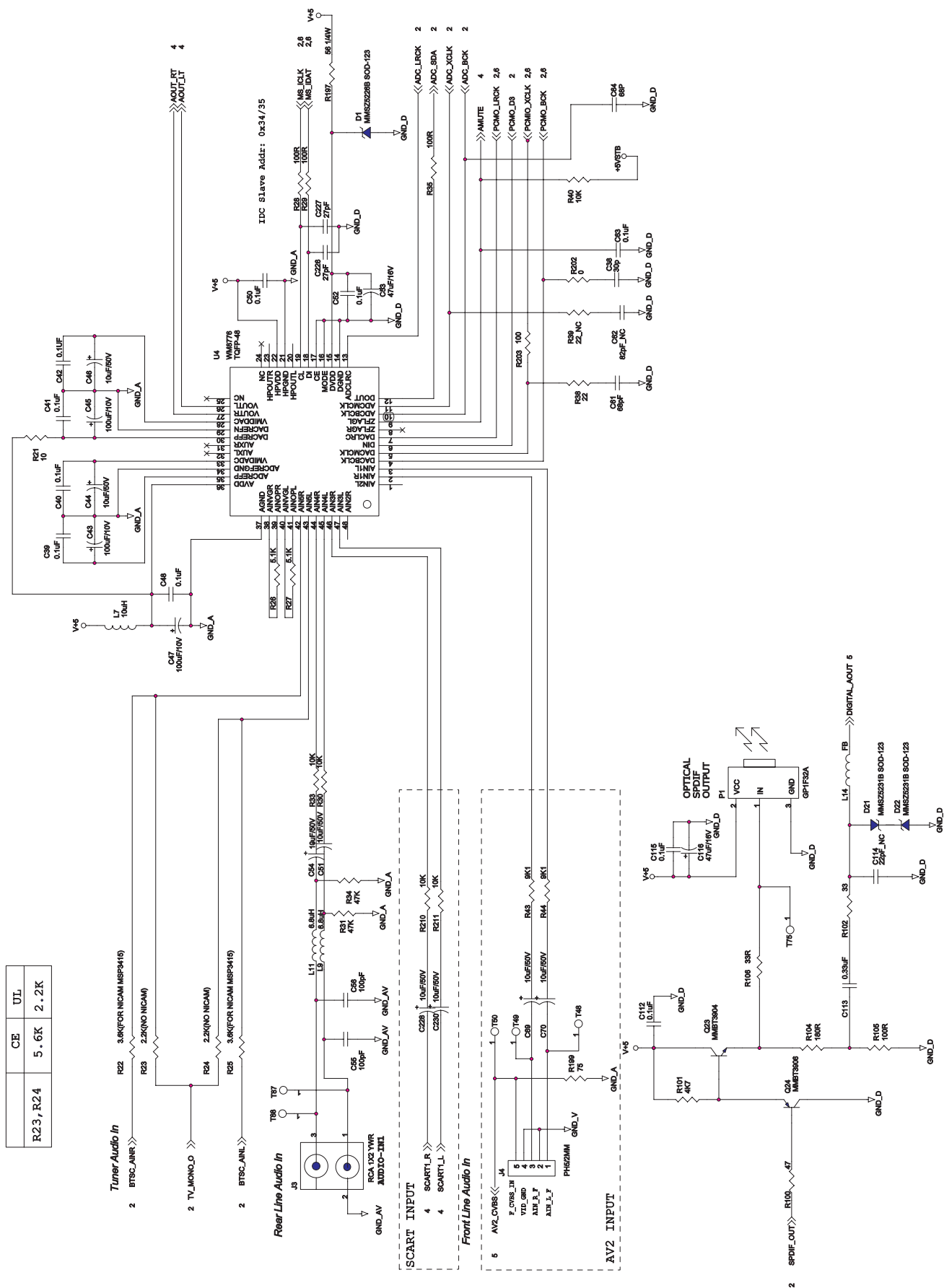
3.4- Diagrama de circuito da placa Teclas



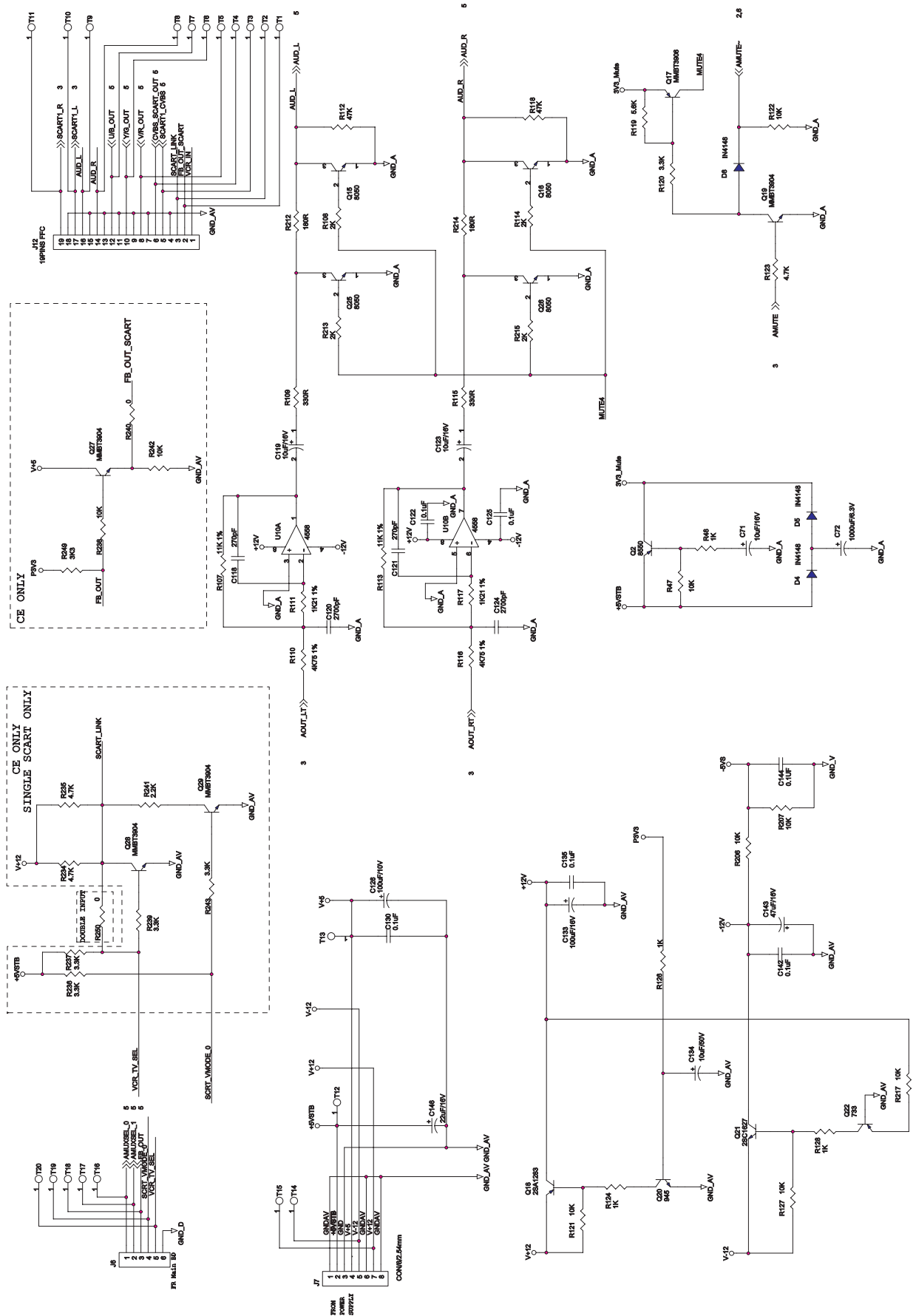
3.5- Diagrama de circuito da placa AV 1/5



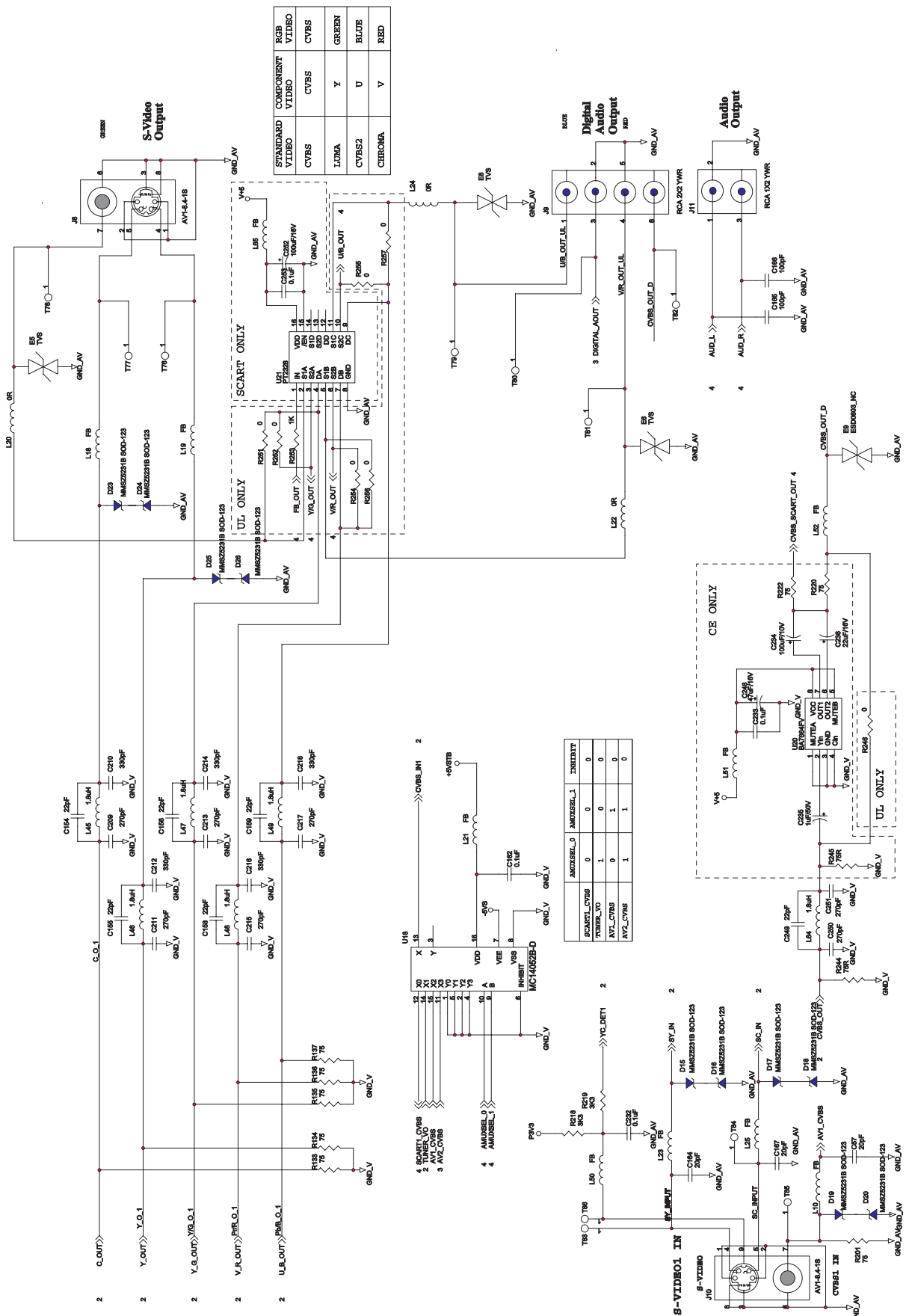
3.5- Diagrama de circuito da placa AV 2/5

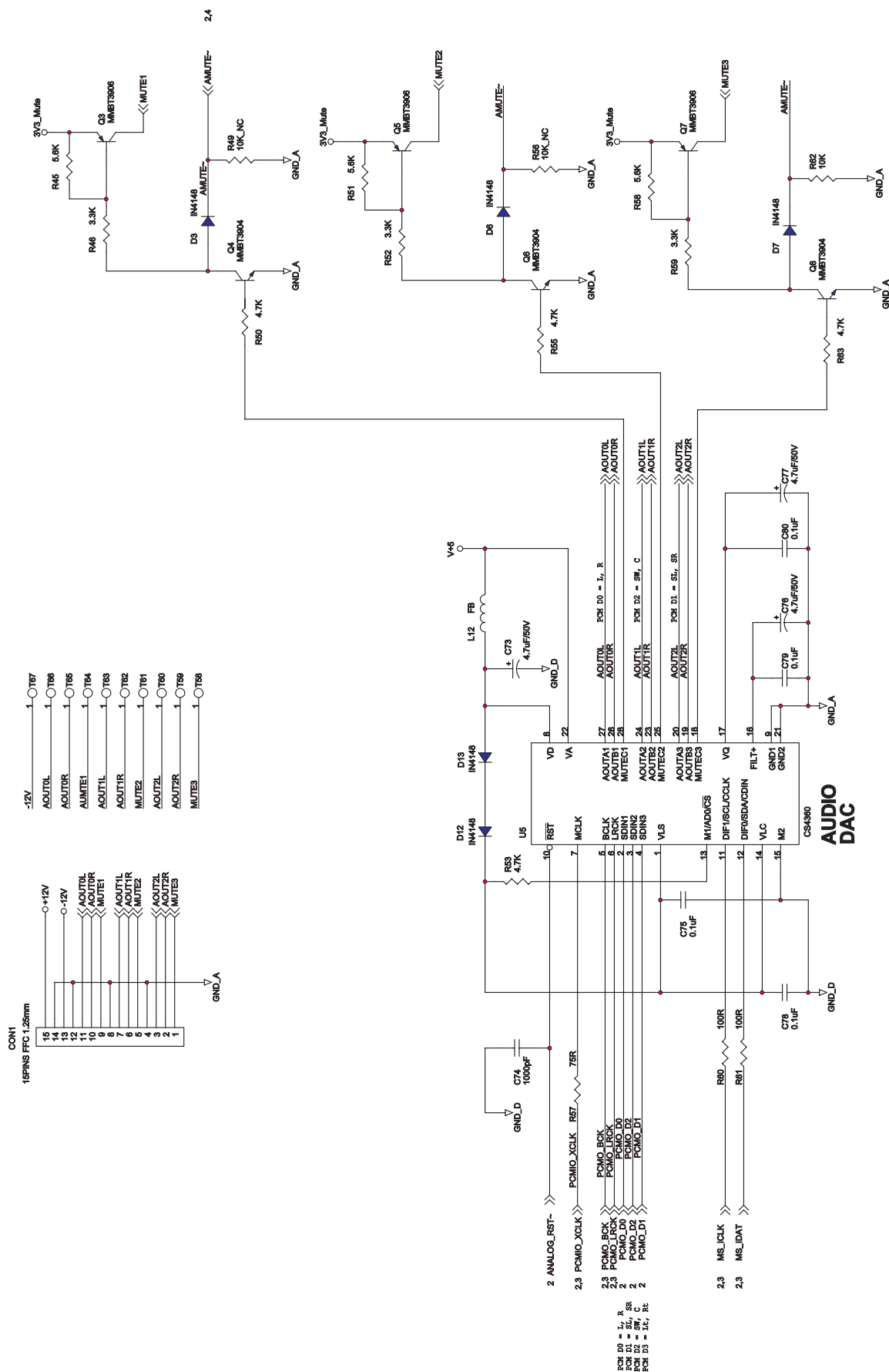


3.5- Diagrama de circuito da placa AV 3/5

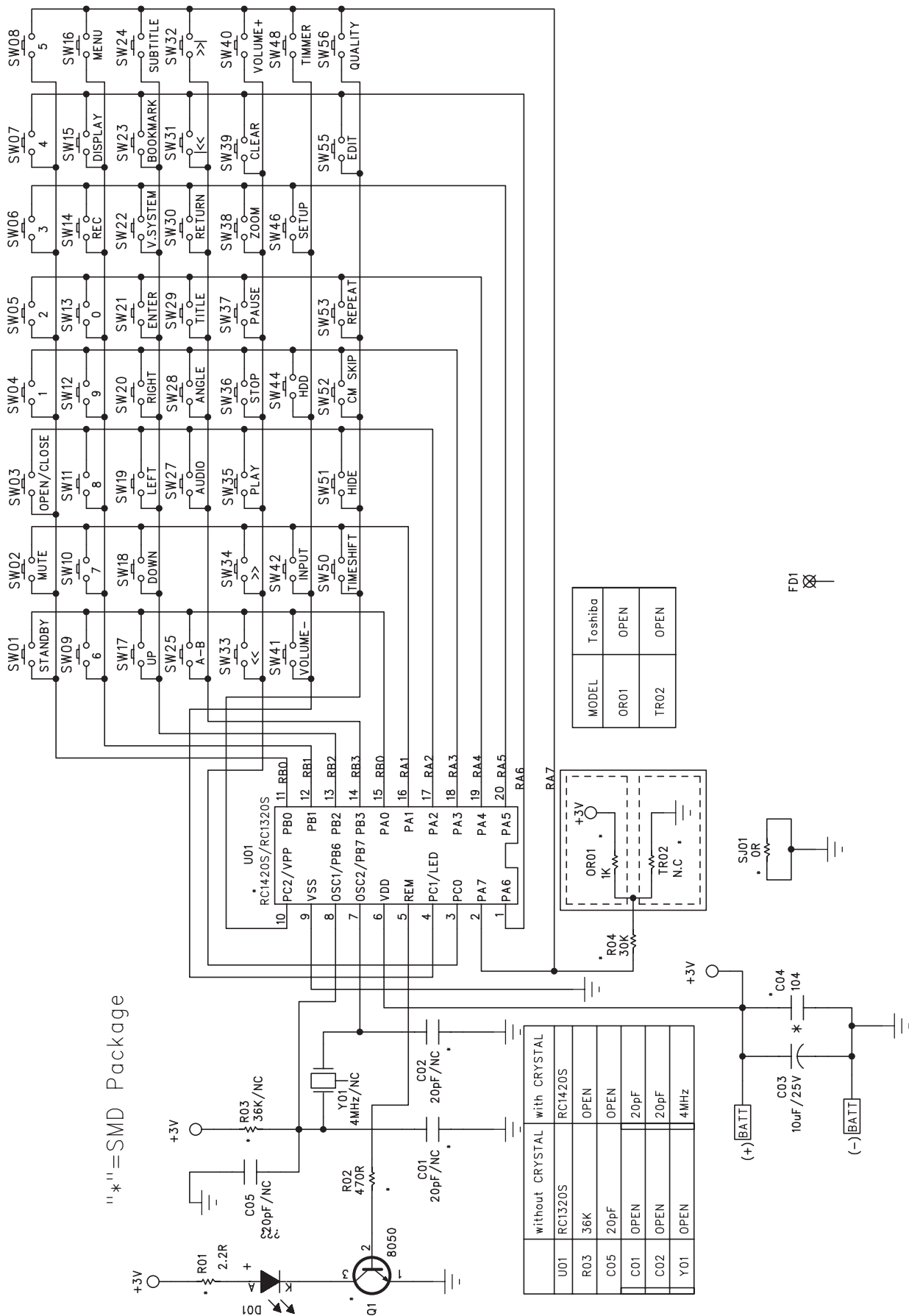


3.5- Diagrama de circuito da placa AV 4/5





3.6- Diagrama de circuito da placa Controle Remoto



4- NÍVEIS DE TENSÃO

Placa Principal

U34(CS98201)

PIN NO.	DVD PB	PIN NO.	DVD PB	PIN NO.	DVD PB	PIN NO.	DVD PB
1	1.8	61	DATA	121	0	181	0
2	4.2	62	DATA	122	0	182	DATA
3	0	63	0	123	DATA	183	DATA
4	DATA	64	CLOCK	124	DATA	184	DATA
5	CLK	65	3.3	125	DATA	185	DATA
6	3.3	66	3.3	126	DATA	186	DATA
7	0	67	DATA	127	DATA	187	3.3
8	0	68	DATA	128	3.3	188	3.3
9	3.3	69	DATA	129	3.3	189	DATA
10	DATA	70	DATA	130	3.3	190	0
11	DATA	71	DATA	131	CLK	191	DATA
12	DATA	72	0	132	0	192	DATA
13	DATA	73	DATA	133	DATA	193	DATA
14	0	74	DATA	134	DATA	194	DATA
15	DATA	75	3.3	135	DATA	195	CLK
16	DATA	76	DATA	136	DATA	196	DATA
17	DATA	77	DATA	137	DATA	197	DATA
18	DATA	78	DATA	138	DATA	198	DATA
19	3.3	79	DATA	139	DATA	199	DATA
20	DATA	80	DATA	140	DATA	200	CLK
21	DATA	81	1.8	141	DATA	201	CLK
22	1.8	82	DATA	142	DATA	202	0
23	DATA	83	0	143	DATA	203	1.8
24	0	84	0	144	0	204	0
25	0	85	DATA	145	0	205	DATA
26	DATA	86	3.3	146	3.3	206	3.3
27	DATA	87	DATA	147	3.3	207	0
28	DATA	88	DATA	148	0	208	DATA
29	DATA	89	DATA	149	1.8	209	3.3
30	DATA	90	DATA	150	0	210	0
31	3.3	91	DATA	151	3.3	211	DATA
32	DATA	92	DATA	152	3.3	212	3.3
33	DATA	93	DATA	153	0	213	0
34	0	94	DATA	154	DATA	214	3.3
35	DATA	95	DATA	155	3.3	215	1.22
36	DATA	96	DATA	156	0	216	1.22
37	DATA	97	0	157	DATA	217	0
38	DATA	98	0	158	3.3	218	3.3
39	DATA	99	DATA	159	0	219	0
40	DATA	100	1.8	160	2.2	220	3.3
41	3.3	101	DATA	161	1.2	221	3.3
42	DATA	102	DATA	162	1.2	222	CLK
43	0	103	DATA	163	0	223	1.8
44	0	104	DATA	164	3.3	224	DATA
45	DATA	105	3.3	165	0	225	0
46	1.8	106	DATA	166	3.3	226	CLK
47	DATA	107	3.3	167	3.3	227	DATA
48	DATA	108	3.3	168	3.3	228	DATA
49	DATA	109	3.3	169	1.8	229	DATA
50	DATA	110	3.3	170	DATA	230	3.3
51	DATA	111	3.3	171	0	231	CLK
52	0	112	3.3	172	DATA	232	CLK
53	DATA	113	3.3	173	DATA	233	0
54	3.3	114	3.3	174	DATA	234	DATA
55	DATA	115	3.3	175	DATA	235	DATA
56	DATA	116	3.3	176	DATA	236	0
57	DATA	117	3.3	177	DATA	237	0
58	DATA	118	3.3	178	DATA	238	0
59	DATA	119	0	179	DATA	239	0
60	DATA	120	1.8	180	1.8	240	0

U32(HY57V283220T)

PIN NO.	DVD PB	PIN NO.	DVD PB
1	3.3	44	0
2	DATA	45	DATA
3	3.3	46	0
4	DATA	47	DATA
5	DATA	48	DATA
6	0	49	3.3
7	DATA	50	DATA
8	DATA	51	DATA
9	3.3	52	0
10	DATA	53	DATA
11	DATA	54	DATA
12	0	55	3.3
13	DATA	56	DATA
14	0	57	0
15	3.3	58	0
16	DATA	59	DATA
17	DATA	60	DATA
18	DATA	61	DATA
19	DATA	62	DATA
20	0	63	DATA
21	DATA	64	DATA
22	DATA	65	DATA
23	DATA	66	DATA
24	DATA	67	3.3
25	DATA	68	CLK
26	DATA	69	0
27	DATA	70	0
28	DATA	71	DATA
29	3.3	72	0
30	0	73	0
31	DATA	74	DATA
32	0	75	3.3
33	DATA	76	DATA
34	DATA	77	DATA
35	3.3	78	0
36	DATA	79	DATA
37	DATA	80	DATA
38	0	81	3.3
39	DATA	82	DATA
40	DATA	83	DATA
41	3.3	84	0
42	DATA	85	DATA
43	3.3	86	0

U35(AT24C16)

PIN NO.	DVD PB	PIN NO.	DVD PB
1	0	5	3.8
2	0	6	3.8
3	0	7	0
4	0	8	5

U6(74LCX257MTC)

PIN NO.	DVD PB	PIN NO.	DVD PB
1	0	9	DATA
2	DATA	10	DATA
3	DATA	11	DATA
4	DATA	12	DATA
5	DATA	13	DATA
6	DATA	14	DATA
7	DATA	15	3.3
8	0	16	3.3

U84(CS92688)

PIN NO.	DVD PB	PIN NO.	DVD PB	PIN NO.	DVD PB	PIN NO.	DVD PB
1	1.8	61	0	121	DATA	181	DATA
2	0	62	3.3	122	DATA	182	DATA
3	0	63	DATA	123	DATA	183	DATA
4	0	64	DATA	124	DATA	184	DATA
5	0	65	DATA	125	0	185	DATA
6	0	66	DATA	126	DATA	186	3.3
7	CLK	67	DATA	127	DATA	187	3.3
8	0	68	0	128	3.3	188	3.3
9	DATA	69	3.3	129	DATA	189	3.3
10	CLK	70	DATA	130	DATA	190	CLK
11	0	71	DATA	131	0	191	CLK
12	3.3	72	DATA	132	DATA	192	0
13	DATA	73	CLK	133	DATA	193	DATA
14	DATA	74	3.3	134	DATA	194	DATA
15	DATA	75	CLK	135	DATA	195	DATA
16	DATA	76	0	136	0	196	DATA
17	0	77	0	137	3.3	197	0
18	3.3	78	1.8	138	DATA	198	3.3
19	DATA	79	0	139	DATA	199	DATA
20	DATA	80	3.3	140	0	200	DATA
21	DATA	81	DATA	141	1.8	201	DATA
22	DATA	82	DATA	142	DATA	202	DATA
23	0	83	DATA	143	DATA	203	0
24	3.3	84	DATA	144	0	204	DATA
25	0	85	DATA	145	DATA	205	DATA
26	0	86	DATA	146	DATA	206	DATA
27	0	87	DATA	147	3.3	207	DATA
28	0	88	DATA	148	DATA	208	0
29	0	89	0	149	DATA	209	3.3
30	1.8	90	3.3	150	0	210	DATA
31	0	91	DATA	151	DATA	211	DATA
32	3.3	92	DATA	152	DATA	212	0
33	0	93	DATA	153	DATA	213	1.8
34	0	94	DATA	154	DATA	214	DATA
35	CLK	95	0	155	0	215	DATA
36	0	96	3.3	156	3.3	216	0
37	0	97	DATA	157	DATA	217	DATA
38	3.3	98	DATA	158	DATA	218	DATA
39	0	99	DATA	159	0	219	3.3
40	0	100	DATA	160	1.8	220	DATA
41	0	101	0	161	DATA	221	DATA
42	0	102	3.3	162	DATA	222	0
43	3.3	103	0	163	0	223	DATA
44	0	104	0	164	DATA	224	DATA
45	0	105	0	165	DATA	225	DATA
46	3.3	106	1.8	166	3.3	226	DATA
47	0	107	0	167	DATA	227	0
48	0	108	5	168	DATA	228	3.3
49	0	109	3.3	169	0	229	DATA
50	3.3	110	3.3	170	DATA	230	DATA
51	0	111	3.3	171	DATA	231	DATA
52	3.3	112	3.3	172	DATA	232	DATA
53	0	113	0	173	DATA	233	0
54	0	114	3.3	174	0	234	3.3
55	1.8	115	3.3	175	DATA	235	DATA
56	3.3	116	3.3	176	DATA	236	DATA
57	3.3	117	3.3	177	0	237	DATA
58	3.3	118	3.3	178	3.3	238	DATA
59	3.3	119	0	179	DATA	239	3.3
60	0	120	3.3	180	DATA	240	0

U87(TVP5146PFP)

PIN NO.	DVD PB	PIN NO.	DVD PB
1	0	41	1.8
2	0	42	0
3	0	43	DATA
4	3.3	44	DATA
5	3.3	45	DATA
6	0	46	DATA
7	0	47	DATA
8	0	48	3.3
9	0	49	0
10	0	50	DATA
11	1.8	51	DATA
12	1.8	52	DATA
13	0	53	DATA
14	1.8	54	DATA
15	0	55	1.8
16	0	56	0
17	0	57	DATA
18	0	58	DATA
19	0	59	DATA
20	3.3	60	0
21	3.3	61	3.3
22	0	62	0
23		63	DATA
24	0	64	DATA
25	1.8	65	DATA
26	0	66	DATA
27	0	67	1.8
28	CLK	68	0
29	DATA	69	DATA
30	0	70	DATA
31	1.8	71	0
32	0	72	0
33	0	73	3.3
34	0	74	CLK
35	0	75	0
36	0	76	1.8
37	0	77	0
38	3.3	78	1.8
39	0	79	0
40	CLOCK	80	0

U88(M74HCU04)

PIN NO.	DVD PB	PIN NO.	DVD PB
1	CLK	8	CLK
2	CLK	9	CLK
3	CLK	10	CLK
4	CLK	11	CLK
5	CLK	12	CLK
6	CLK	13	1.8
7	0	14	3.3

U11(74LCX125MTC)

PIN NO.	DVD PB	PIN NO.	DVD PB
1	3.3	8	DATA
2	DATA	9	DATA
3	0	10	3.3
4	3.3	11	0
5	CLK	12	0
6	CLK	13	3.3
7	0	14	3.3

SDRAM(VT361716T-6)

U85		U82		U86		U83	
PIN NO.	DVD PB	PIN NO.	DVD PB	PIN NO.	DVD PB	PIN NO.	DVD PB
1	3.3	1	3.3	1	3.3	1	3.3
2	DATA	2	DATA	2	DATA	2	DATA
3	DATA	3	DATA	3	DATA	3	DATA
4	0	4	0	4	0	4	0
5	DATA	5	DATA	5	DATA	5	DATA
6	DATA	6	DATA	6	DATA	6	DATA
7	3.3	7	3.3	7	3.3	7	3.3
8	DATA	8	DATA	8	DATA	8	DATA
9	DATA	9	DATA	9	DATA	9	DATA
10	0	10	0	10	0	10	0
11	DATA	11	DATA	11	DATA	11	DATA
12	DATA	12	DATA	12	DATA	12	DATA
13	3.3	13	3.3	13	3.3	13	3.3
14	0	14	0	14	0	14	0
15	DATA	15	DATA	15	DATA	15	DATA
16	DATA	16	DATA	16	DATA	16	DATA
17	DATA	17	DATA	17	DATA	17	DATA
18	0	18	0	18	0	18	0
19	DATA	19	DATA	19	DATA	19	DATA
20	DATA	20	DATA	20	DATA	20	DATA
21	0	21	0	21	0	21	0
22	0	22	0	22	0	22	0
23	0	23	0	23	0	23	0
24	0	24	0	24	0	24	0
25	3.3	25	3.3	25	3.3	25	3.3
26	0	26	0	26	0	26	0
27	0	27	0	27	0	27	0
28	0	28	0	28	0	28	0
29	0	29	0	29	0	29	0
30	0	30	0	30	0	30	0
31	DATA	31	DATA	31	DATA	31	DATA
32	DATA	32	DATA	32	DATA	32	DATA
33	0	33	0	33	0	33	0
34	3.3	34	3.3	34	3.3	34	3.3
35	CLK	35	CLK	35	CLK	35	CLK
36	0	36	0	36	0	36	0
37	0	37	0	37	0	37	0
38	3.3	38	3.3	38	3.3	38	3.3
39	0	39	0	39	0	39	0
40	2.2	40	2.2	40	2.2	40	2.2
41	0	41	0	41	0	41	0
42	2.2	42	2.2	42	2.2	42	2.2
43	2.2	43	2.2	43	2.2	43	2.2
44	3.3	44	3.3	44	3.3	44	3.3
45	2.2	45	2.2	45	2.2	45	2.2
46	2.2	46	2.2	46	2.2	46	2.2
47	0	47	0	47	0	47	0
48	2.2	48	2.2	48	2.2	48	2.2
49	2.2	49	2.2	49	2.2	49	2.2
50	0	50	0	50	0	50	0

U25(FLASH)

PIN NO.	DVD PB	PIN NO.	DVD PB
1	DATA	25	DATA
2	DATA	26	3.3
3	DATA	27	0
4	DATA	28	DATA
5	DATA	29	DATA
6	DATA	30	0
7	DATA	31	DATA
8	DATA	32	0
9	DATA	33	DATA
10	DATA	34	0
11	DATA	35	DATA
12	3.3	36	0
13	DATA	37	3.3
14	3.3	38	DATA
15	DATA	39	0
16	DATA	40	DATA
17	DATA	41	0
18	DATA	42	DATA
19	DATA	43	0
20	DATA	44	DATA
21	DATA	45	DATA
22	DATA	46	0
23	DATA	47	0
24	DATA	48	DATA

U1(AME1117)

PIN NO.	DVD PB
1	0.2
2	1.8
3	5

U2(G690L263T73)

PIN NO.	DVD PB
1	0
2	4.26
3	3.35

U28(SPX29152T5)

PIN NO.	DVD PB
1	3.25
2	3.3
3	0
4	1.8
5	1.24

Placa AV

AV BOARD

U4(WM776)

PIN NO.	DVD PB	PIN NO.	DVD PB
1	2.2	25	0
2	2.2	26	signal
3	2.2	27	signal
4	CLK	28	2.2
5	CLK	29	0
6	DATA	30	5
7	DATA	31	2.2
8	0	32	2.2
9	0	33	2.2
10	DATA	34	0
11	CLK	35	2.2
12	DATA	36	5
13	DATA	37	0
14	0	38	2.2
15	5	39	2.2
16	0	40	2.2
17	0	41	2.2
18	3.8	42	signal
19	3.8	43	signal
20	2.3	44	2.2
21	0	45	2.2
22	5	46	2.2
23	2.2	47	2.2
24	0	48	2.2

U10(RC4558)

U19(RC4558)

PIN NO.	DVD PB	PIN NO.	DVD PB
1	signal	1	
2	signal	2	0
3	0	3	0
4	-12	4	-12
5	0	5	0
6	signal	6	0
7	signal	7	-12
8	12	8	12

U18(M74HC4052)

PIN NO.	DVD PB	PIN NO.	DVD PB
1	0	9	0
2	0	10	3.3
3	0	11	0
4	0	12	0
5	0	13	DATA
6	0	14	0
7	-5	15	0
8	0	16	5

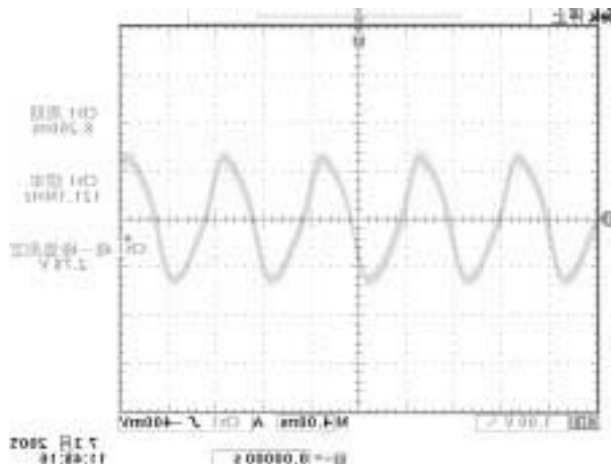
NOTA:

TODOS OS DADOS EM VOLTS

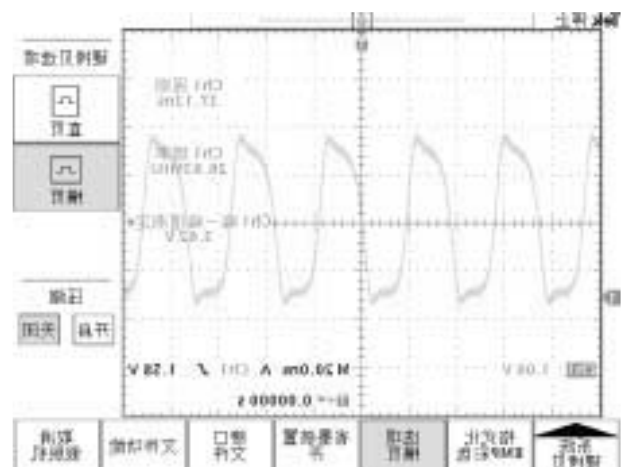
PB = PLAY BLACK.

5- FORMAS DE ONDA

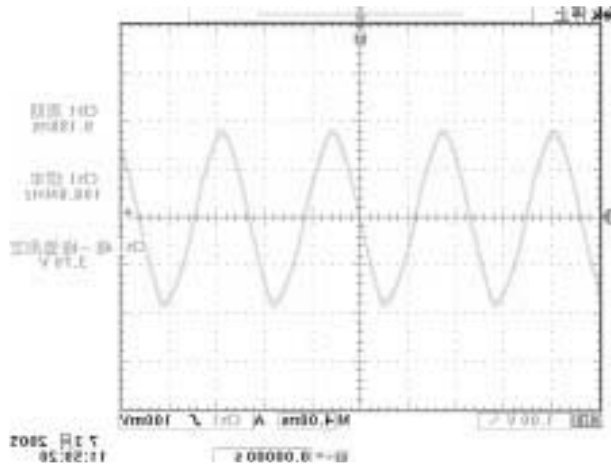
F1(TP45/U34B)CS98201



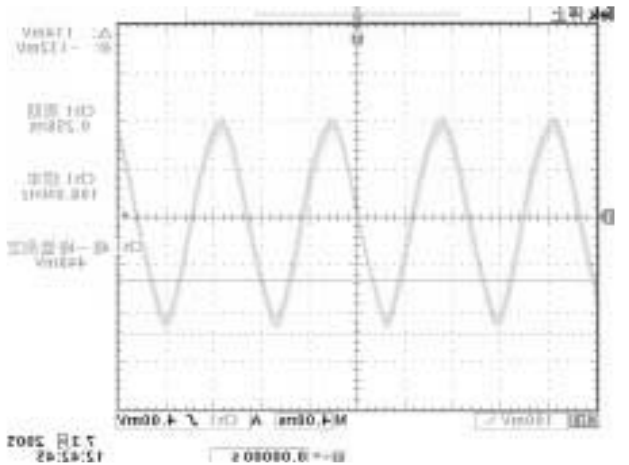
F2(TP12/U84B)CS92688



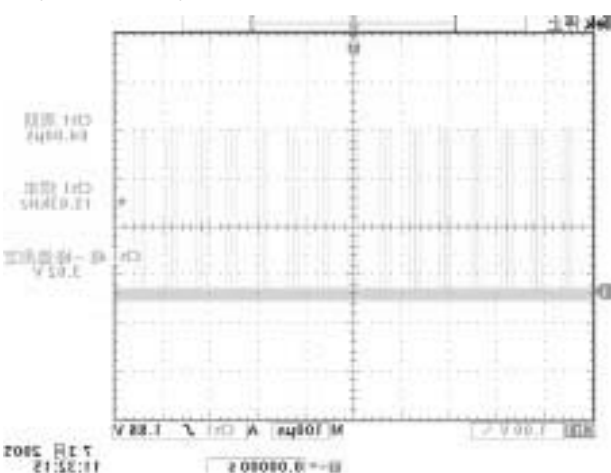
F3(TP17/U84A)CS92688



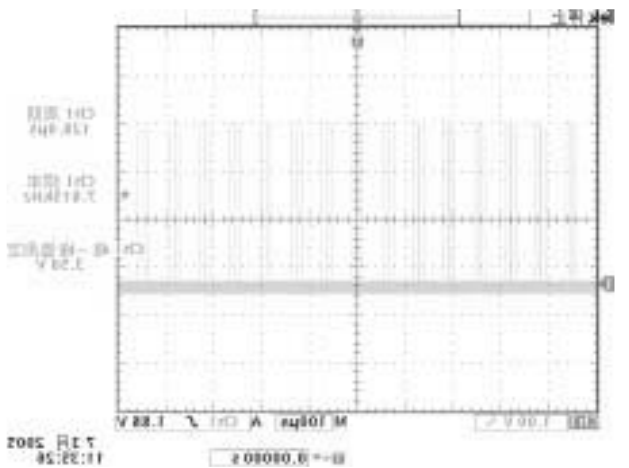
F4(TP27/U84A)CS92688



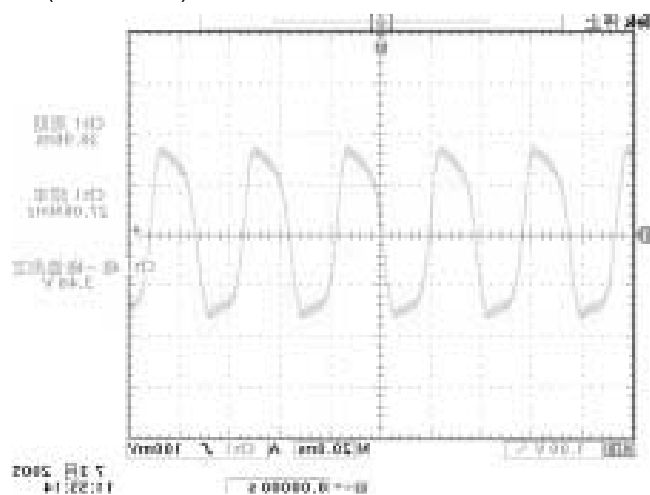
F5(TP102/U87)TVP5146



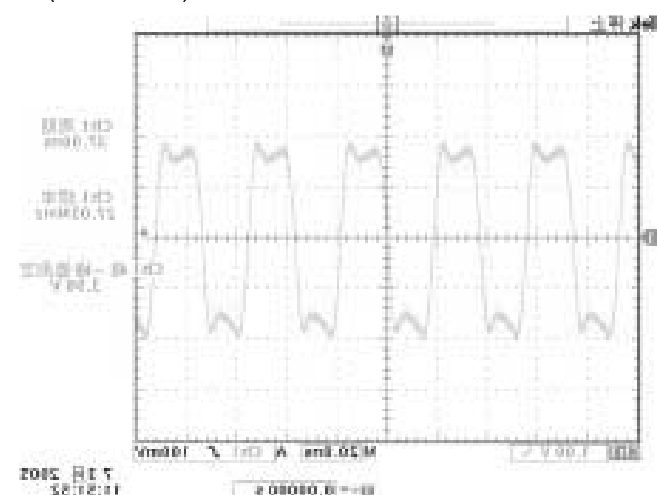
F6(TP103/U87)TVP5146



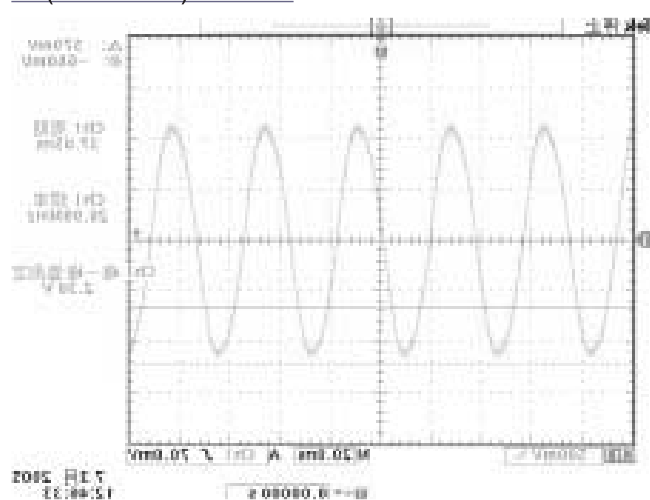
F7(TP28/U88)74HC04



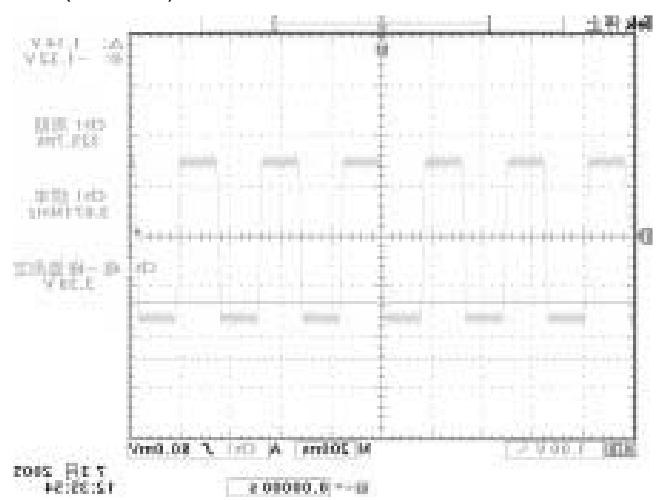
F8(TP29/U88)74HCU04



F9(TP44/U88)74HC04

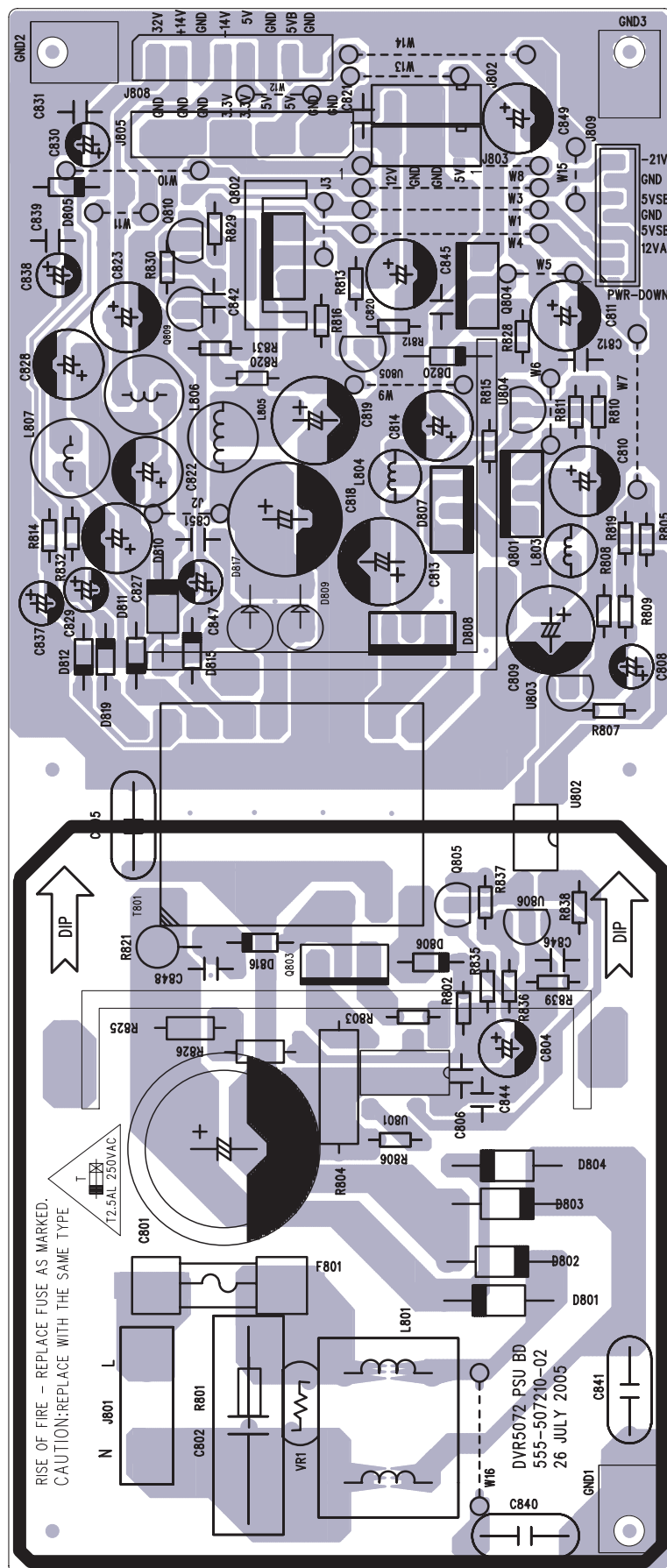


F10(TP4/U4)WM8776



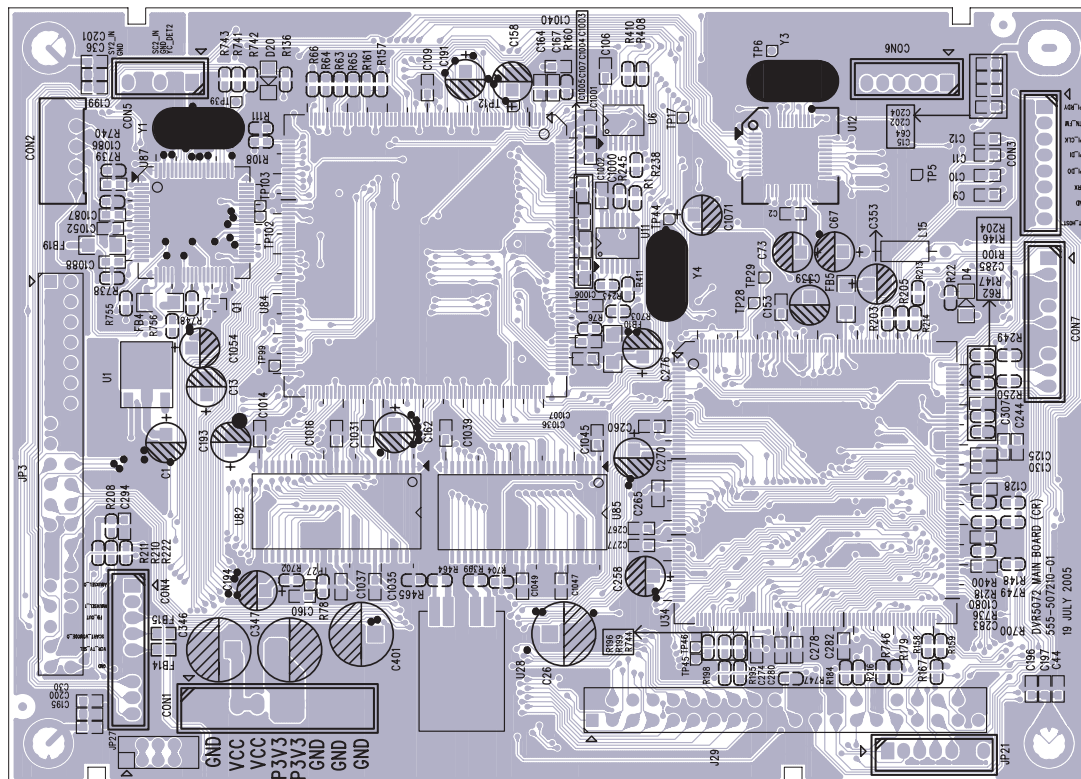
6- LAY-OUT DAS PLACAS DE CIRCUITO IMPRESSO

6.1 - Placa de circuito impresso Fonte de Alimentação

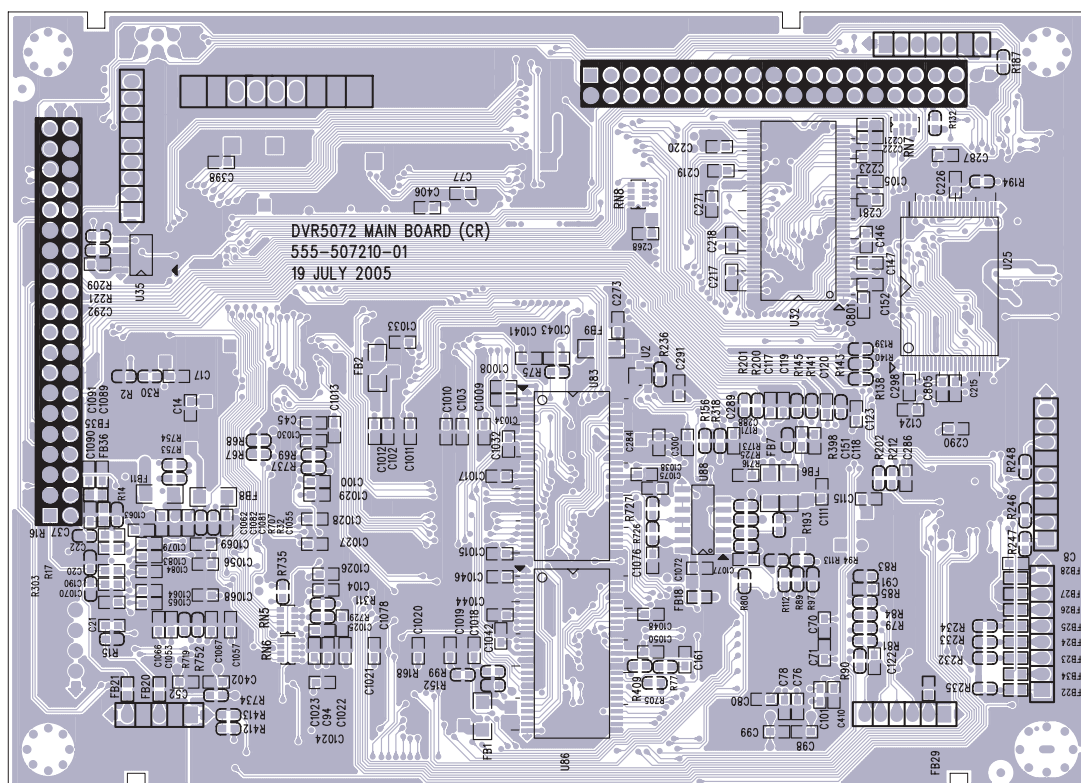


6.2 - Placa de circuito impresso Principal

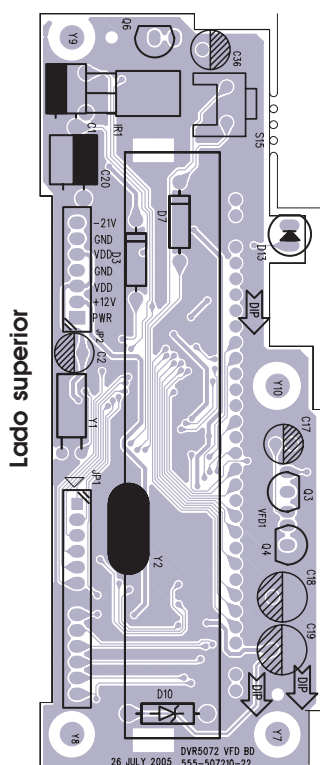
Lado superior



Lado inferior

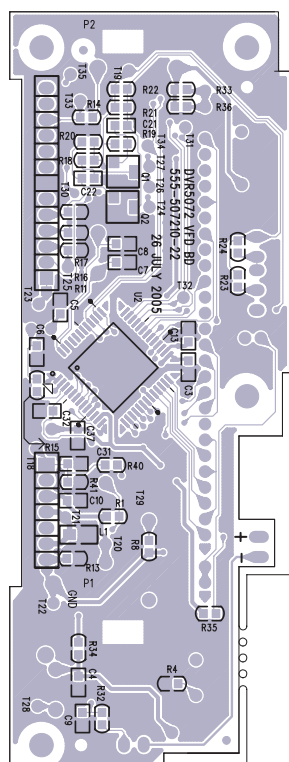


Display

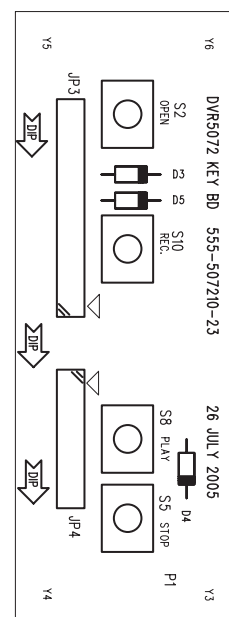


Lado superior

Lado inferior

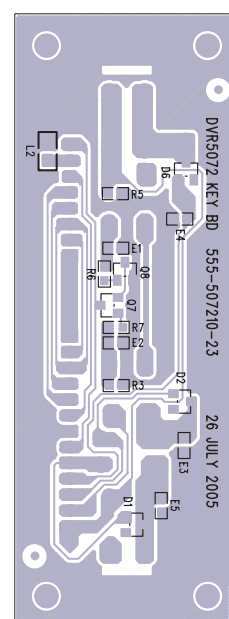


Tecclas

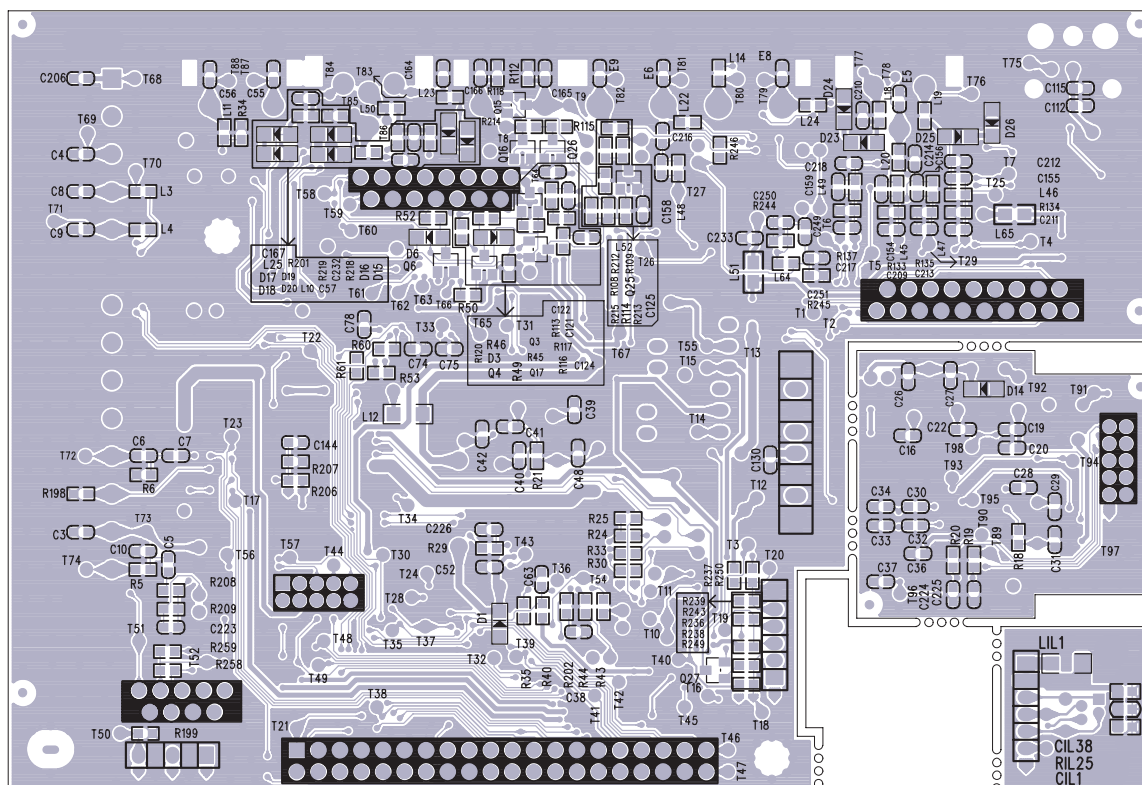


Lado superior

Lado inferior

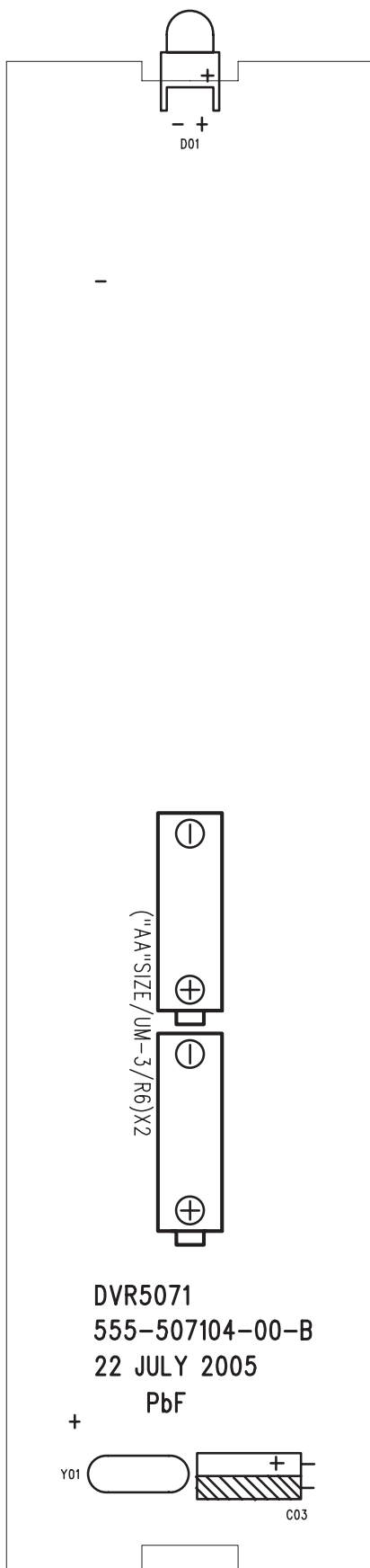


Lado superior

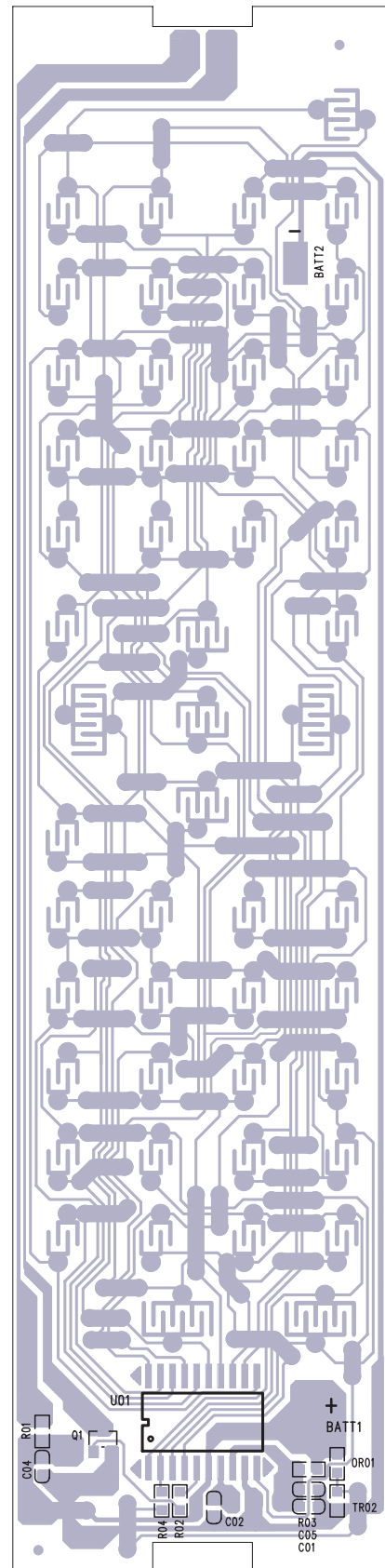


6.5 - Placa de circuito impresso Controle Remoto

Lado superior

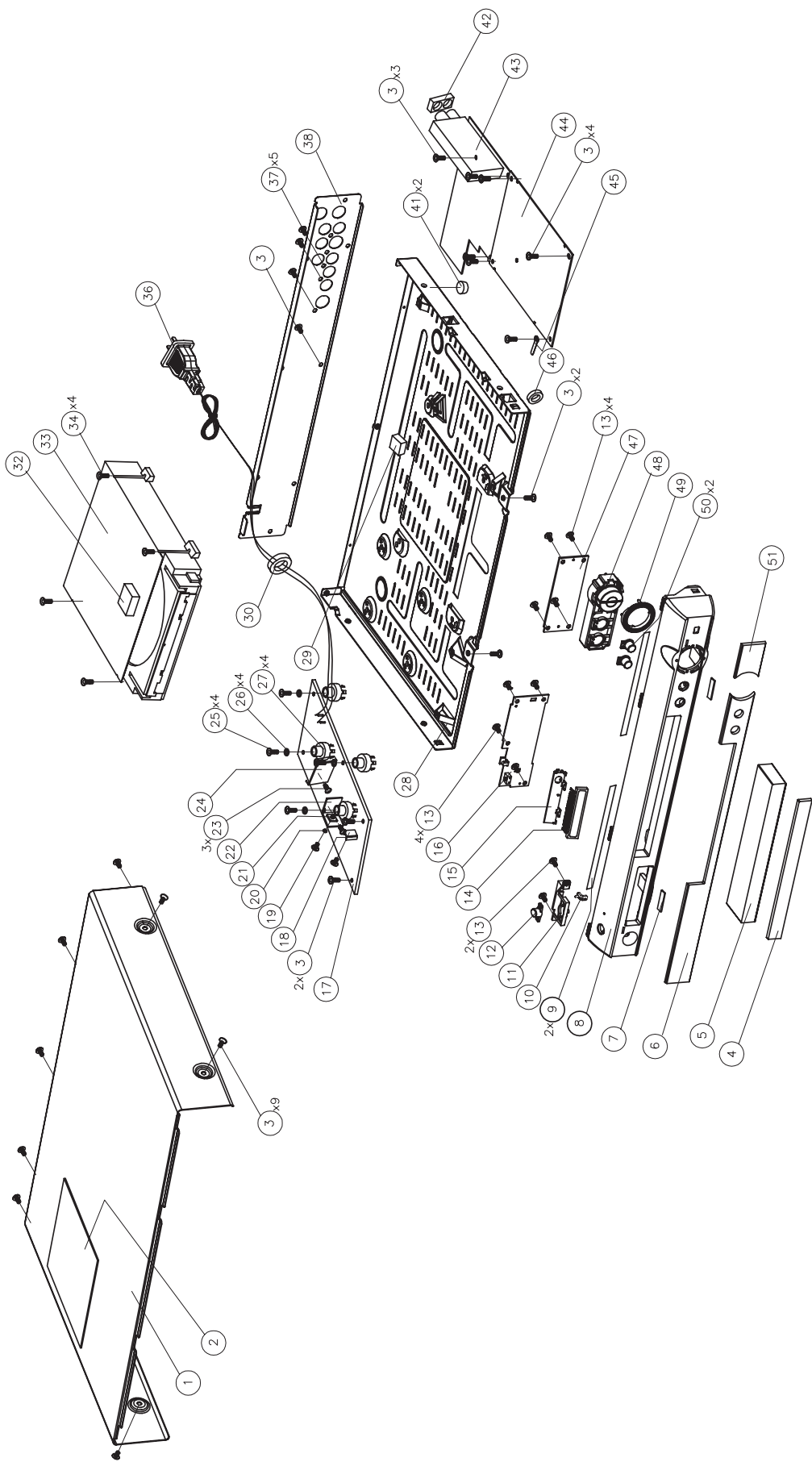


Lado inferior

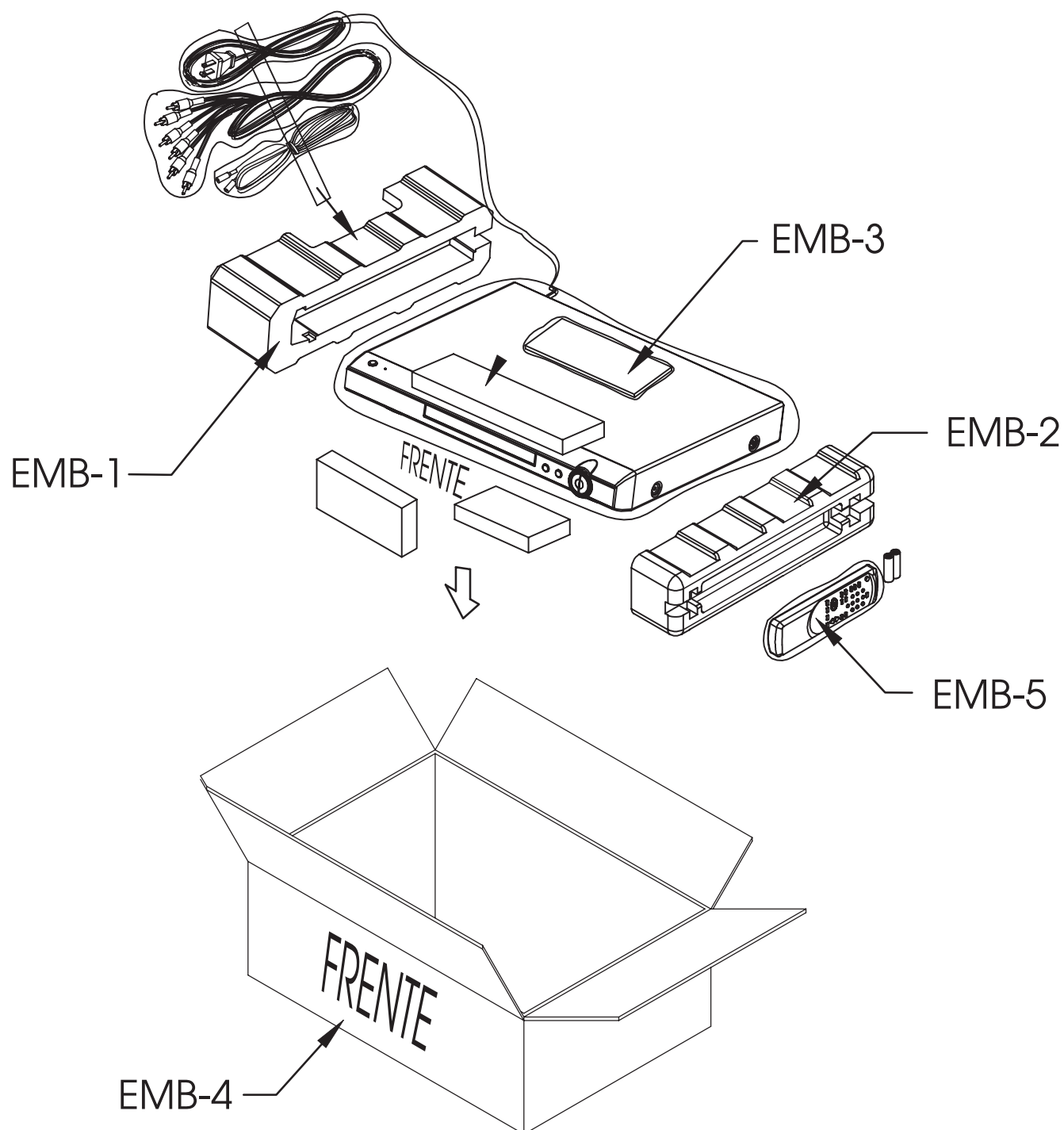


7- VISTA EXPLODIDA

Aparelho



Embalagem



8- LISTA DE COMPONENTES

8.1 - Mecânicos

Posição	NE	Descrição
Aparelho		
1	148882	TAMPA METÁLICA SDRX33D
4	148490	LENTE PORTA DVD SDRX33D
5	148646	PORTA DVD SDRX33D
6	148481	LENTE DISPLAY SDRX33D ESQ
7	148631	PÉ DE BORRACHA PAINEL SDRX33D
8	148551	PAINEL FRONTAL SDRX33D
10	132292	LENTE LED SD8070
11	148855	SUPORTE TECLA POWER SDRX33D
12	148908	TECLA POWER SDRX33D
14	148427	DISPLAY VFD16-0606N
15	148842	SUPORTE DISPLAY SDRX33D
16	148597	PCI DISPLAY SDRX33D MONT
17	148604	PCI FONTE SDRX33D MONT
27	148432	ESPAÇADOR DE PLÁSTICO ABS 8MM
29	131164	PÉ DE BORRACHA PCI XB1535
33	148506	MECANISMO BDR-LO6S
38	148560	PAINEL TRASEIRO SDRX33D
41	128127	PÉ DE BORRACHA TRAS SD6072
43	148579	PCI AV SDRX33D MONT
44	148619	PCI PRINCIPAL SDRX33D MONT
47	148622	PCI TECLAS SDRX33D MONT
48	148864	SUPORTE TECLAS SDRX33D
49	148542	ORNAMENTO TECLA SDRX33D
50	148897	TECLA FUNÇÕES SDRX33D
51	148472	LENTE DISPLAY SDRX33D DIR
Controle remoto		
CR-1	148913	TECLADO BORRACHA CR DVD3140
CR-2	148873	TAMPA COMP BATERIA CR DVD3140
CR-3	148469	GABINETE SUPERIOR CR DVD3140
CR-4	148454	GABINETE INFERIOR CR DVD3140
CR-5	148539	ORNAMENTO CR DVD3140
CR-6	148588	PCI CR SDRX33D MONT
CR-7	148515	MOLA CONTATO PILHAS NEG
CR-8	148524	MOLA CONTATO PILHAS POS
Embalagem		
EMB-1	147874	CALÇO ISOPOR ESQ SDRX33D
EMB-2	147861	CALÇO ISOPOR DIR SDRX33D
EMB-3	138345	MANUAL INSTRUÇÃO SD-RX33D
EMB-4	147856	CAIXA EMBALAGEM SDRX33D
EMB-5	149104	CONTROLE REMOTO SDRX33D (montado)

8.2 - Eletro-eletrônicos

Posição	NE	Descrição
PCI FONTE		
C801	148012	CAP ELCO 68R M 400V 85G RG075
C802	148021	CAP PMET 224 K 275V RG225
C804	148007	CAP ELCO 47R M 50V 85G RG025
C805	147898	CAP CERA 222 M 250V RG050
C806	147889	CAP CERA 104 Z 50V Y5V RG050
C808	147996	CAP ELCO 22R M 16V 85G RG025
C809	147981	CAP ELCO 222 M 10V 105G RG050
C810	147932	CAP ELCO 102 M 10V 85G RG050
C812	147889	CAP CERA 104 Z 50V Y5V RG050
C813	147981	CAP ELCO 222 M 10V 105G RG050
C814	147932	CAP ELCO 102 M 10V 85G RG050
C818	147941	CAP ELCO 102 M 25V 105G RG050
C819	147954	CAP ELCO 102 M 25V 85G RG050
C821	147889	CAP CERA 104 Z 50V Y5V RG050
C823	147978	CAP ELCO 221 M 35V 85G RG050
C827	147978	CAP ELCO 221 M 35V 85G RG050
C828	147978	CAP ELCO 221 M 35V 85G RG050
C837	147969	CAP ELCO 10R M 50V 85G RG025
C838	147969	CAP ELCO 10R M 50V 85G RG025
C839	147889	CAP CERA 104 Z 50V Y5V RG050
C840	147905	CAP CERA 331 K 250V RG100
C841	147905	CAP CERA 331 K 250V RG100
C842	147889	CAP CERA 104 Z 50V Y5V RG050
C844	147923	CAP CERA 472 K 50V Y5P RG050
C845	147889	CAP CERA 104 Z 50V Y5V RG050
C846	147889	CAP CERA 104 Z 50V Y5V RG050
C847	147969	CAP ELCO 10R M 50V 85G RG025
C848	147914	CAP CERA 472 K 500V Y5P RG050
D801	148347	DIODO RET RL205 DO15
D802	148347	DIODO RET RL205 DO15
D803	148347	DIODO RET RL205 DO15
D804	148347	DIODO RET RL205 DO15
D806	148316	DIODO RET 1F4 DO35
D807	148352	DIODO SCH SB640FCT ITO220
D808	148352	DIODO SCH SB640FCT ITO220
D809	148334	DIODO RET PS304R DO201
D811	148316	DIODO RET 1F4 DO35
D812	148316	DIODO RET 1F4 DO35
D815	148316	DIODO RET 1F4 DO35
D816	148329	DIODO RET 1U7 DO35
D817	148334	DIODO RET PS304R DO201
D820	148389	DIODO ZEN BZX55 18V DO35
F801	148445	FUSI FILA T 2.5A 250V 5X20
J10	148926	TOMADA DASW-10
J11	148931	TOMADA MSP-242V4-01
J3	148931	TOMADA MSP-242V4-01
J6 P/ CON4	148227	CONECTOR 6VIAS CONJ
J8	128341	TOMADA DASW-08
J802	148218	CONECTOR 4VIAS CONJ
J805	148263	CONECTOR 9VIAS CONJ
J808	148249	CONECTOR 8VIAS CONJ
J9	128332	TOMADA AV4-8.4-13T-5
L801	128369	TRAFO F LINHA NC-F0011
L803	147834	BOBINA CHOQ R0410-1R0K-R
L804	147834	BOBINA CHOQ R0410-1R0K-R
L805	147847	BOBINA CHOQ R0620-6R8K
L806	147829	BOBINA CHOQ CH0810-101K
L807	147829	BOBINA CHOQ CH0810-101K
Q18	148959	TRANS 2SA1283 TO92
Q20	148980	TRANS 2SC945Q TO92
Q21	148977	TRANS 2SC1627A TO92
Q22	148962	TRANS 2SA733A TO92
Q801	149011	TRANS IRF530N TO220
Q802	149011	TRANS IRF530N TO220
Q803	149024	TRANS SSS4N60B TO220

Q804	149011	TRANS IRF530N TO220
Q805	148962	TRANS 2SA733A TO92
Q809	148959	TRANS 2SA1283 TO92
Q810	148977	TRANS 2SC1627A TO92
R801	148748	RES CARB 824 J 1/4W AT52
R802	148691	RES CARB 10R J 1/16W AT52
R803	148659	RES CARB 101 J 1/16W AT52
R804	148824	RES OXID R68 J 2W
R805	148659	RES CARB 101 J 1/16W AT52
R806	148753	RES CARB 913 J 1/16W AT52
R807	148720	RES CARB 332 J 1/16W AT52
R808	148766	RES META 182 F 1/6W
R809	148766	RES META 182 F 1/6W
R810	148780	RES META 472 F 1/6W
R811	148766	RES META 182 F 1/6W
R812	148799	RES META 821 F 1/6W
R813	148771	RES META 332 F 1/6W
R814	148691	RES CARB 10R J 1/16W AT52
R815	148717	RES CARB 272 J 1/16W AT52
R816	148717	RES CARB 272 J 1/16W AT52
R819	148739	RES CARB 33R J 1/16W AT52
R820	148659	RES CARB 101 J 1/16W AT52
R821	148800	RES OXID 683 J 3W
R825	148819	RES OXID 754 J 1/4W
R826	148819	RES OXID 754 J 1/4W
R828	148677	RES CARB 103 J 1/16W AT52
R829	148677	RES CARB 103 J 1/16W AT52
R830	148664	RES CARB 102 J 1/16W AT52
R831	148677	RES CARB 103 J 1/16W AT52
R835	148659	RES CARB 101 J 1/16W AT52
R836	148664	RES CARB 102 J 1/16W AT52
R837	148664	RES CARB 102 J 1/16W AT52
R838	148682	RES CARB 104 J 1/16W AT52
R839	148702	RES CARB 154 J 1/16W AT52
T801	148944	TRAFO CONVERSOR RC9586
U1	148833	SINTONIZADOR JS-6AMF/L13F2-F2
U4	148196	CIRC INT WM8776 TQFP
U801	148147	CIRC INT SG6848 DIP-8
U802	148138	CIRC INT PC817
U803	148061	CIRC INT AP431 TO92
U804	148061	CIRC INT AP431 TO92
U805	148061	CIRC INT AP431 TO92
U806	148061	CIRC INT AP431 TO92

PCI PRINC		
D20	148307	DIODO LED KP-3216SGC
D4	148307	DIODO LED KP-3216SGC
Q1	128430	TRANS T3904 SOT23 SMD
U1	130542	CIRC INT AME1 117ACGT SOT223
U11	148049	CIRC INT 74LCX125MTC TSSOP
U2	148105	CIRC INT G690L263T73 SOT23
U25	148129	CIRC INT MBM29DL323TE-90 TSOP
U28	148156	CIRC INT SPX29152T5 TO263
U32	148114	CIRC INT HY57V283220T-7 TSOP
U34	148094	CIRC INT CS98201-CM MQFP
U35	148076	CIRC INT AT24C16AN-10SI-2.7 SO
U6	148052	CIRC INT 74LCX257MTC TSSOP
U82	148187	CIRC INT VT361716T-6 TSOP
U83	148187	CIRC INT VT361716T-6 TSOP
U84	148089	CIRC INT CS92688-CMZ MQFP
U85	148187	CIRC INT VT361716T-6 TSOP
U86	148187	CIRC INT VT361716T-6 TSOP
U87	148169	CIRC INT TVP5146PFP PQFP
U88	148034	CIRC INT 74HC04D SOP
Y1	148276	CRISTAL 14.31818MHZ HC-49/S
Y4	127814	CRISTAL 27MHZ HC-49S

PCI DISPLAY		
D10	148398	DIODO ZEN BZX55 5.1V DO35
D13	132234	DIODO LED 3R4PD-7
D3	148361	DIODO SIN 1N4148 DO35
D7	148361	DIODO SIN 1N4148 DO35
IR1	131293	SENSOR RECEP RPM7238-H9
JP1 P/ JP3	148209	CONECTOR 13 VIAS CONJ
JP2	148230	CONECTOR 7VIAS CONJ
Q1	128374	TRANS 2SC1623(L6) SOT23 SMD
Q2	128374	TRANS 2SC1623(L6) SOT23 SMD
Q3	148995	TRANS 8050C TO92
Q4	149006	TRANS 8050C TO92
Q6	149006	TRANS 8050C TO92
S15	127583	CHAVE TACT TSC-O63803A-150
U2	148178	CIRC INT UPD789871GB-005-8ET L
VFD1	148427	DISPLAY VFD16-0606N
Y1	148285	CRISTAL 32.768KHZ DT-38
Y2	148290	CRISTAL 5.000MHZ HC-49/US

PCI TECLAS		
D3	148361	DIODO SIN 1N4148 DO35
D4	148361	DIODO SIN 1N4148 DO35
D5	148361	DIODO SIN 1N4148 DO35
JP4	148258	CONECTOR 8VIAS CONJ
Q7	128392	TRANS 8050-C SOT23 SMD
Q8	128392	TRANS 8050-C SOT23 SMD
S10	130524	CHAVE TACT JTP-1230A
S2	130524	CHAVE TACT JTP-1230A
S5	130524	CHAVE TACT JTP-1230A
S8	130524	CHAVE TACT JTP-1230A

PCI AV		
D1	148405	DIODO ZEN MMSZ5226B 3.3V SMD
D15	148418	DIODO ZEN MMSZ5231B 5.1V SMD
D16	148418	DIODO ZEN MMSZ5231B 5.1V SMD
D17	148418	DIODO ZEN MMSZ5231B 5.1V SMD
D18	148418	DIODO ZEN MMSZ5231B 5.1V SMD
D19	148418	DIODO ZEN MMSZ5231B 5.1V SMD
D20	148418	DIODO ZEN MMSZ5231B 5.1V SMD
D21	148418	DIODO ZEN MMSZ5231B 5.1V SMD
D22	148418	DIODO ZEN MMSZ5231B 5.1V SMD
D23	148418	DIODO ZEN MMSZ5231B 5.1V SMD
D24	148418	DIODO ZEN MMSZ5231B 5.1V SMD
D25	148418	DIODO ZEN MMSZ5231B 5.1V SMD
D26	148418	DIODO ZEN MMSZ5231B 5.1V SMD
D4	148374	DIODO SIN LL4148 SOD80 SMD
D5	148374	DIODO SIN LL4148 SOD80 SMD
D8	148374	DIODO SIN LL4148 SOD80 SMD
Q15	128392	TRANS 8050-C SOT23 SMD
Q16	128392	TRANS 8050-C SOT23 SMD
Q17	128449	TRANS T3906 SOT23 SMD
Q19	128430	TRANS T3904 SOT23 SMD
Q2	128403	TRANS 8550-C(HY2C) SOT23 SMD
Q23	128430	TRANS T3904 SOT23 SMD
Q24	128449	TRANS T3906 SOT23 SMD
Q25	128392	TRANS 8050-C SOT23 SMD
Q26	128392	TRANS 8050-C SOT23 SMD
U10	147268	CIRC INT RC4558D SOIC
U18	130640	CIRC INT M74HC4052MIR SOP
U19	147268	CIRC INT RC4558D SOIC

PCI CONTROLE REMOTO		
D01	128285	SENSOR TRANS GL561
Q1	128392	TRANS 8050-C SOT23 SMD
U01	127690	CIRC INT RC1420S SOP
Y01	128252	RESSONADOR CER ZTA4.00MG1

SEMP TOSHIBA

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