

Service
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Service Manual

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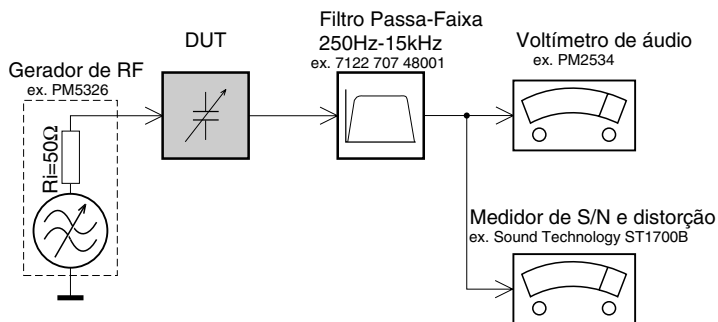


**CLASS 1
LASER PRODUCT**



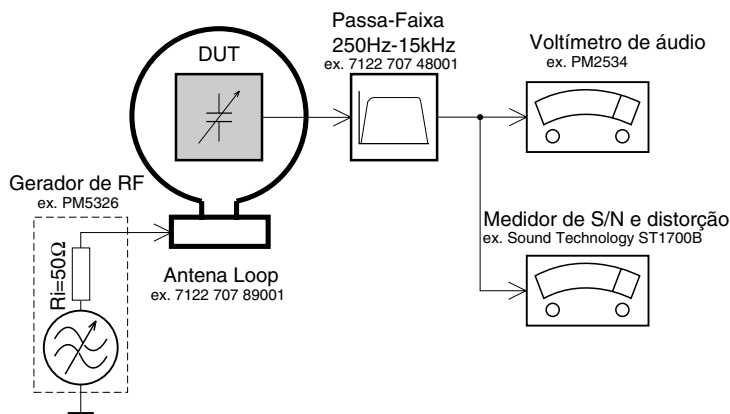
AJUSTES

Tuner FM



Use um filtro passa-faixa para eliminar ruídos (50Hz, 100Hz) e distorções do tom piloto (19kHz, 38kHz).

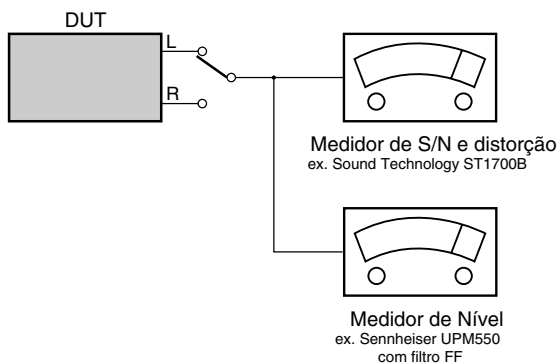
Tuner AM (MW,LW)



Para evitar interferências atmosféricas todas as medidas em AM devem ser feitas dentro de uma Gaiola de Faraday.
Use um filtro passa-faixa (ou um filtro passa altas de 250Hz) para eliminar ruídos (50Hz, 100Hz).

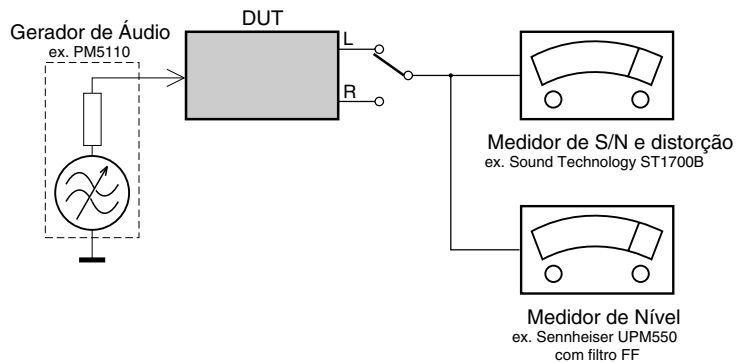
CD

Use um disco de sinal de áudio SBC429 4822 397 30184
(Substitui o disco de teste 3)

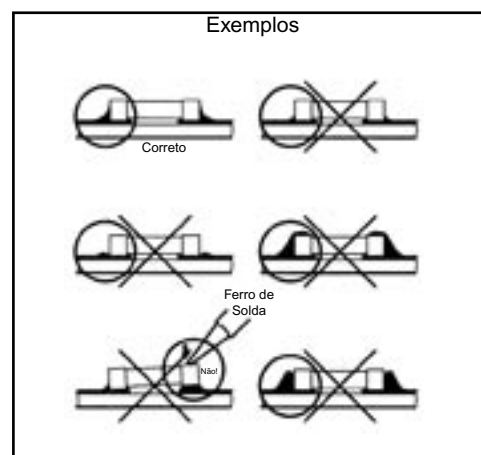
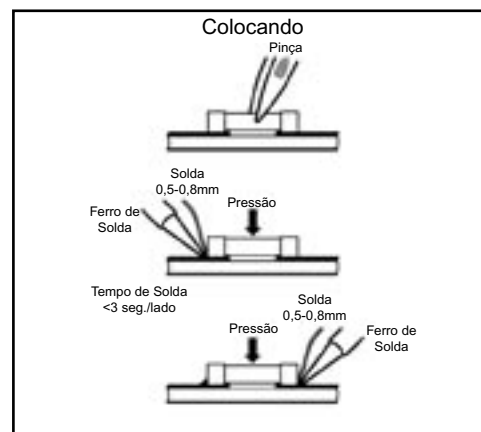
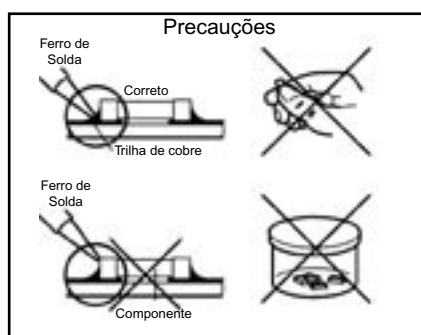
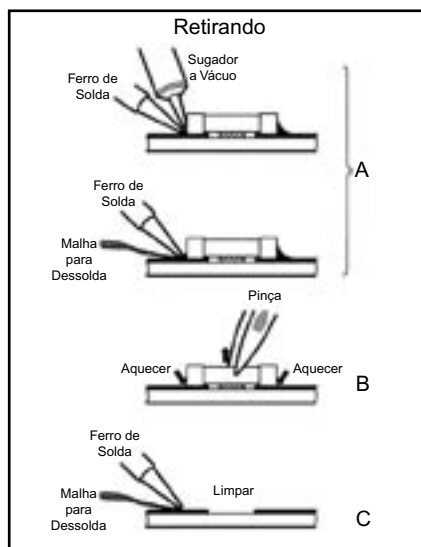
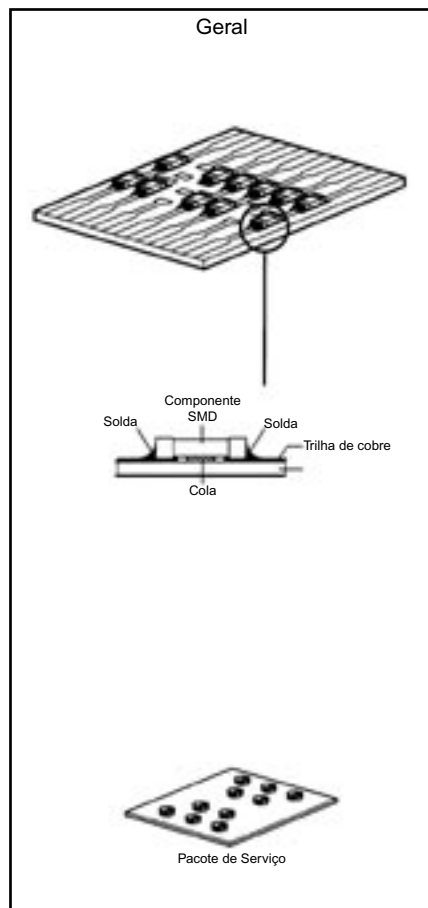


Gravador

Use um Cassete Universal de Teste **Cr02**
ou um Cassete Universal de Teste **Fe**



MANUSEANDO COMPONENTES SMD



Atenção!

Normas de segurança requerem que todos os ajustes sejam realizados para as condições normais e todos os componentes de reposição devem atender as especificações.

Advertência!

Todos os CI's e vários outros semicondutores são suscetíveis à descargas eletrostáticas (ESD).

A falta de cuidados no manuseio pode reduzir drasticamente a vida do componente.

Quando estiver reparando, certifique-se de estar conectado ao mesmo potencial de terra através de uma pulseira de aterramento com resistência.

Mantenha componentes e ferramentas também neste potencial.

Teste de risco de choque e incêndio

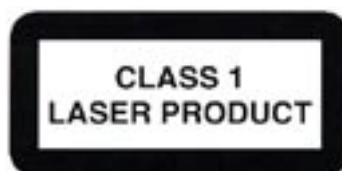
CUIDADO: Após reparar este aparelho e antes de devolvê-lo ao consumidor, meça a resistência entre cada pino do cabo de força (desconectado da tomada e com a chave Power ligada) e a face do painel frontal, botões de controle e a base do chassis.

Qualquer valor de resistência menor que 1 Megohms indica que o aparelho deve ser verificado /reparado antes de ser conectado à rede elétrica e verificado antes de retornar ao consumidor.



NOTA DE SEGURANÇA:

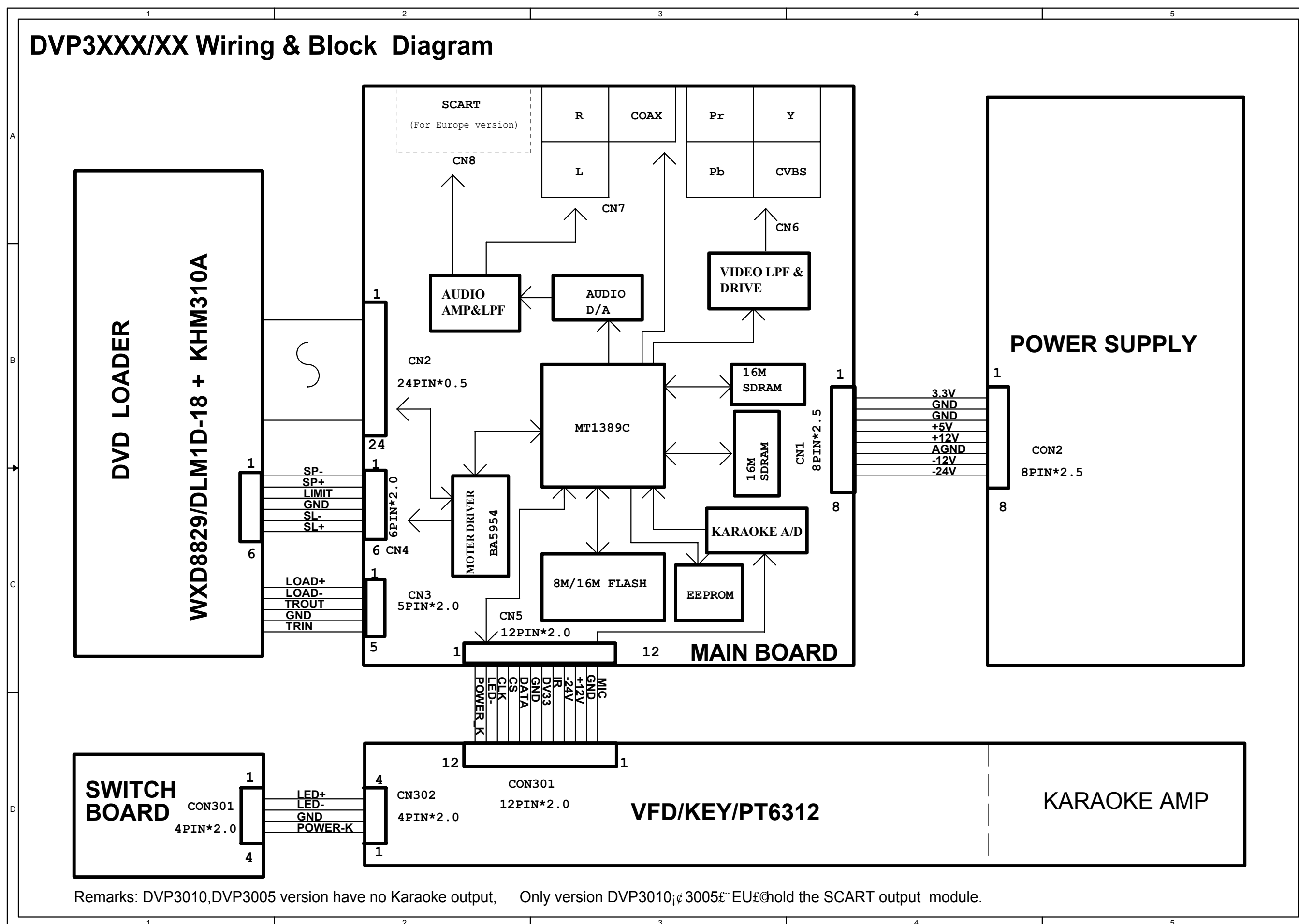
Risco de choque ou incêndio. Componentes marcados com o símbolo ao lado devem ser substituídos apenas por originais. A utilização de componentes não originais pode acarretar risco de incêndio ou choque elétrico.

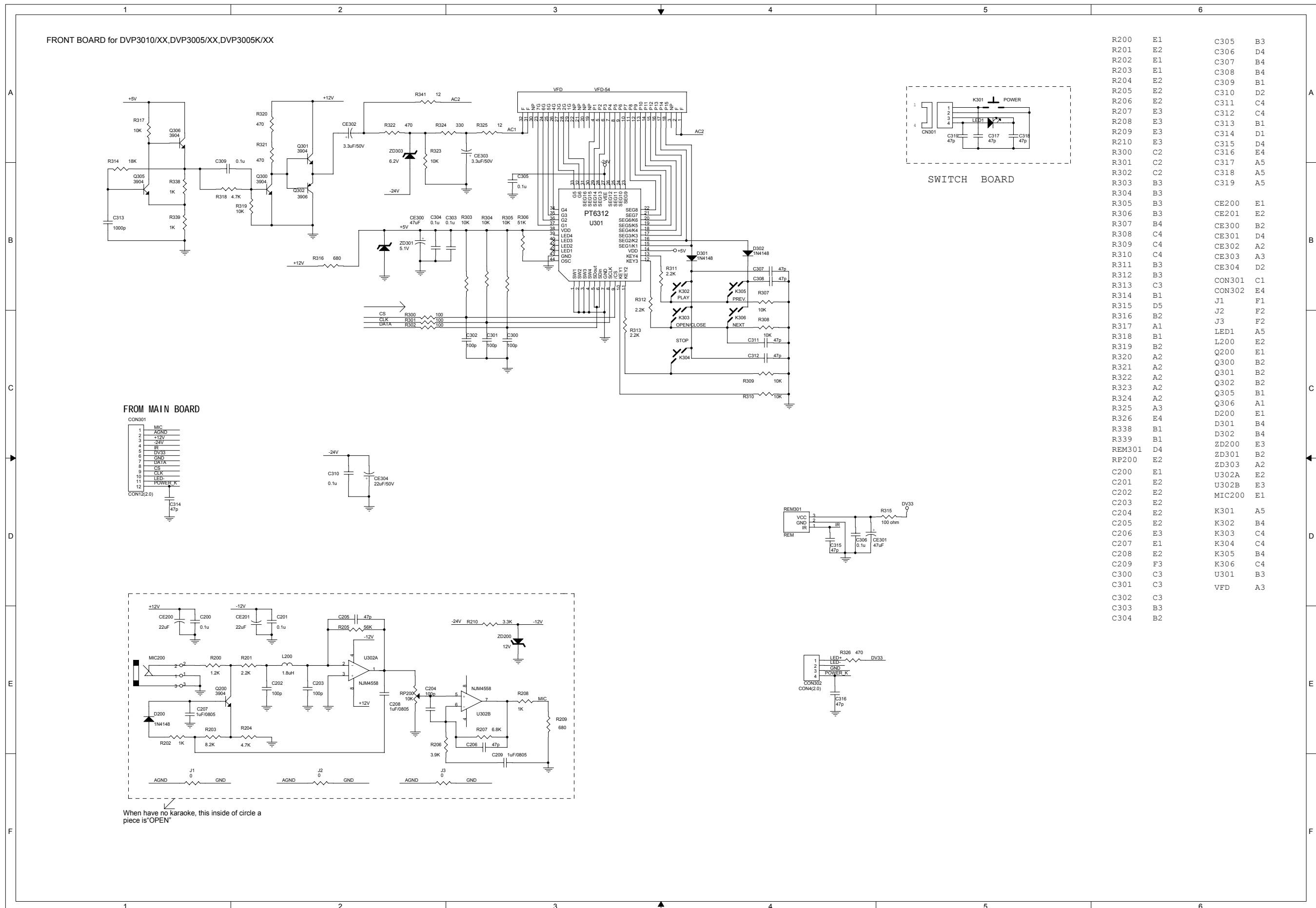


INSTRUÇÕES DE USO

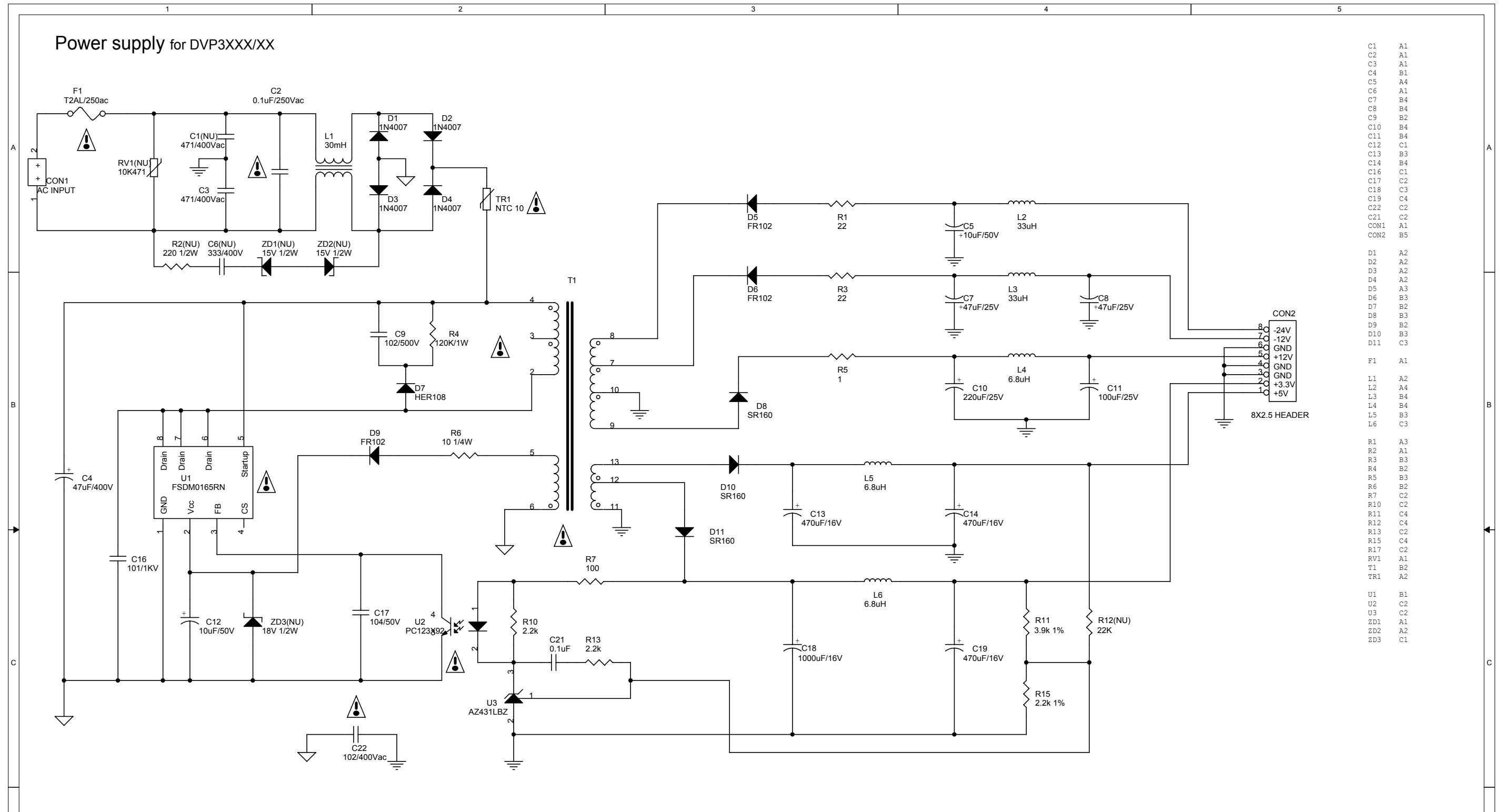
Veja Manual de Usuário no GIP.

DIAGRAMA EM BLOCOS & CONEXÕES

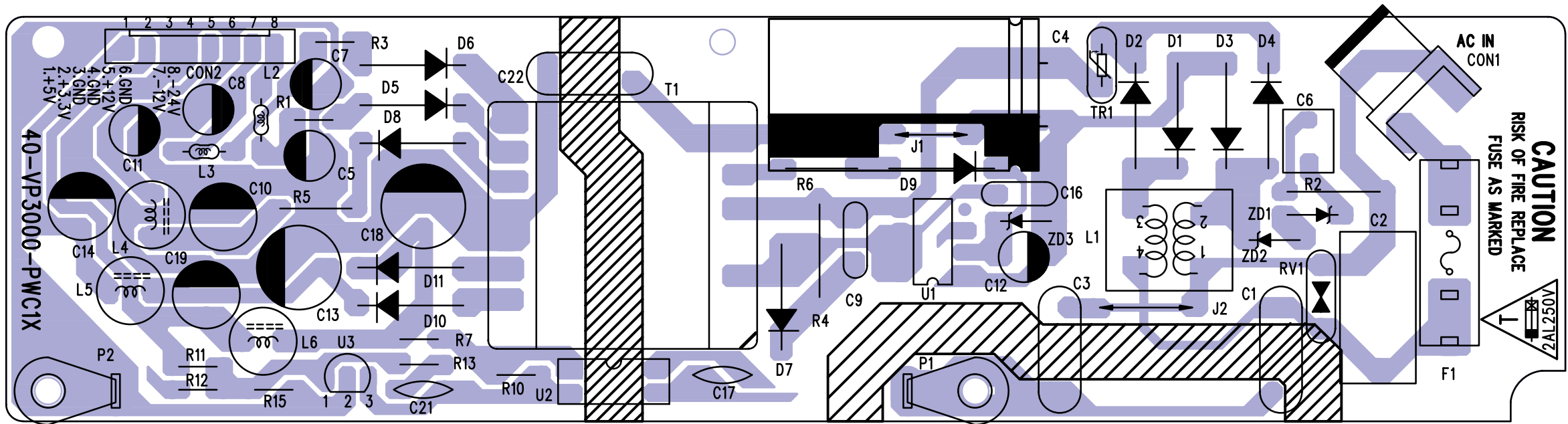




PAINEL FONTE DE ALIMENTAÇÃO



LAYOUT PAINEL POWER SUPERIOR



PAINEL INDEX & POWER

1, INDEX & POWER

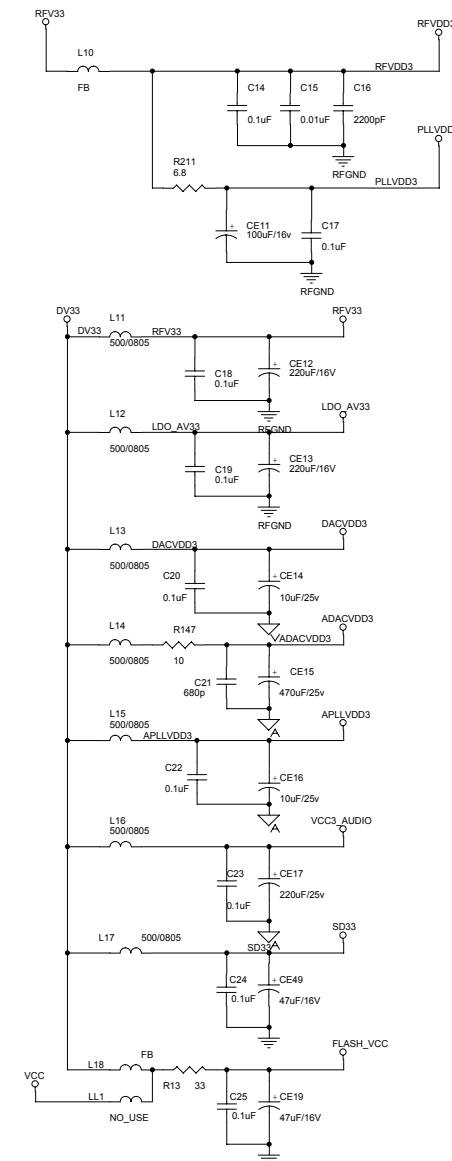
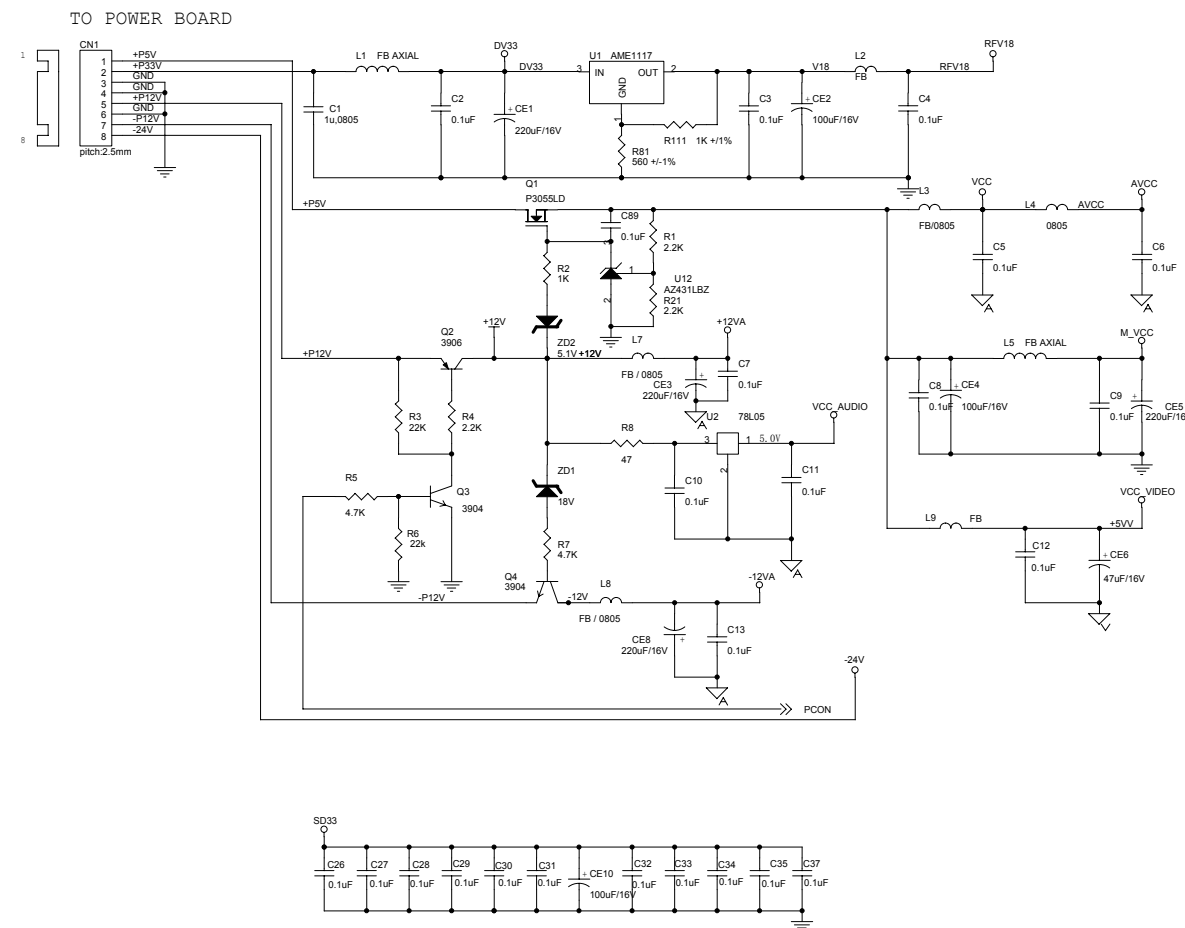
for DVP3000K/XX,DVP3005/XX,DVP3005K/XX

- ```

1 INDEX & POWER
2 RF, SERVO & MPEG - MT1389D
3 MEMORY /VIDEO OUT
4 AUDIO OUT

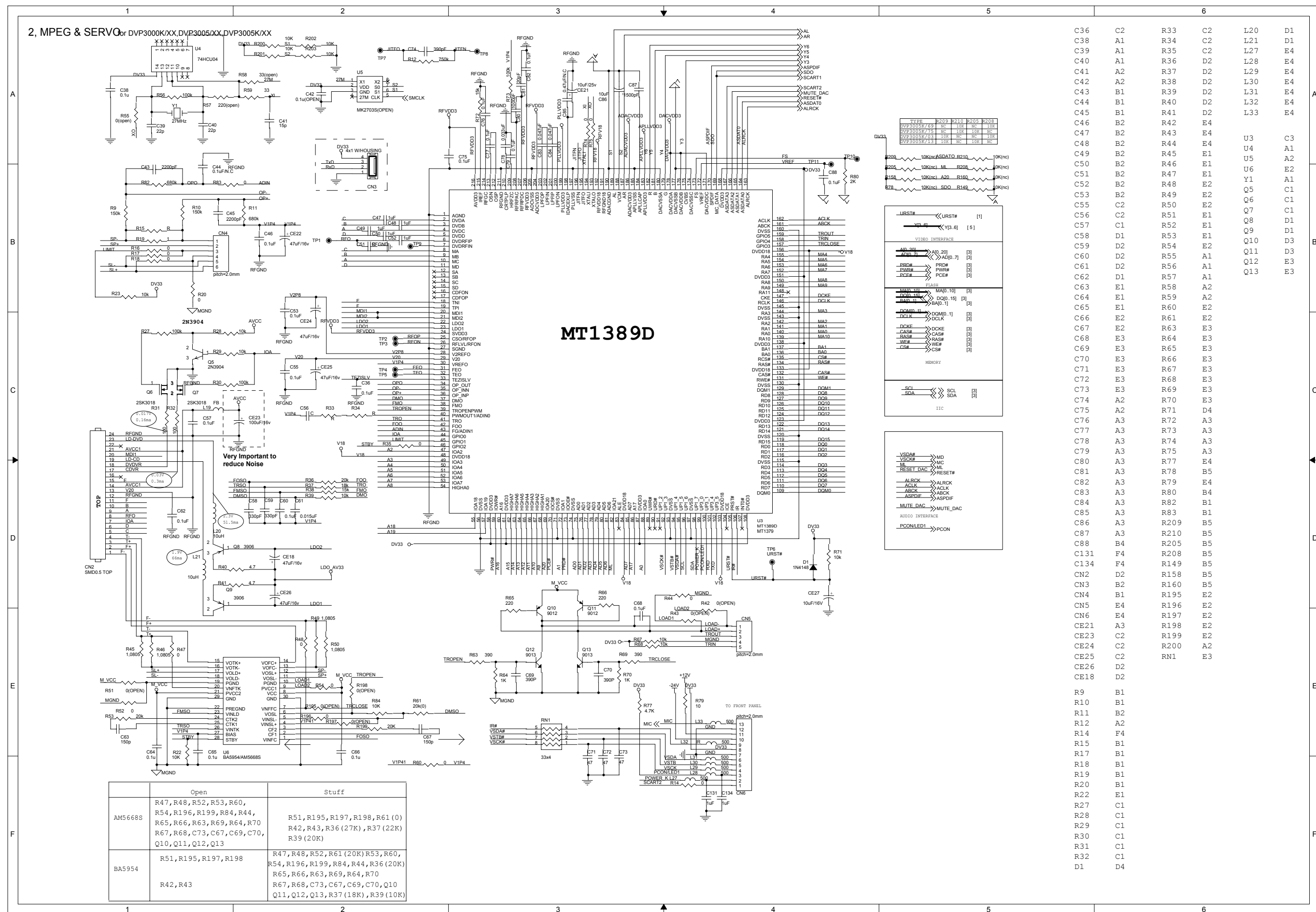
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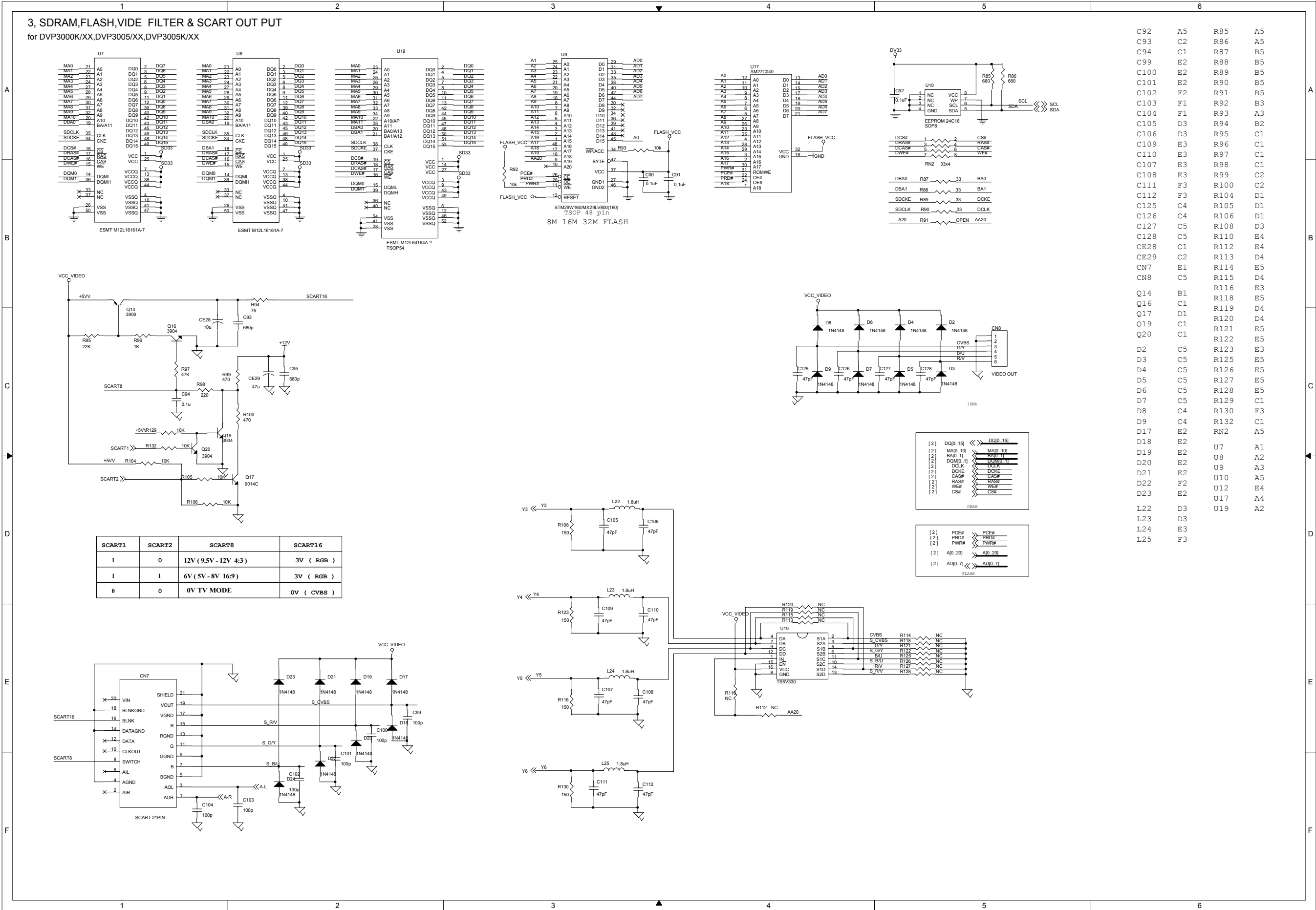
| NAME     | TYPE             | DEVICE        |
|----------|------------------|---------------|
| VCC      | Digital 5V       | SUPPLY        |
| DV33     | Digital 3.3V     | MT1389D       |
| RFV33    | Servo 3.3V       | MT1389D       |
| LDO_AV33 | Laser Diode 3.3V |               |
| AVCC     | RF 5V            | PICKUP HEADER |
| VI18     | Digital 1.8V     | MT1389D       |
| SD33     | Digital 3.3V     | SDRAM         |
| +12V     | Audio +12V       | OP AMP.       |
| -12V     | Audio -12V       | OP AMP.       |
| AVDD     | Audio 5V         | VCC_AUDIO     |
| DVDD     | Audio 3V3        | VCC3_AUDIO    |



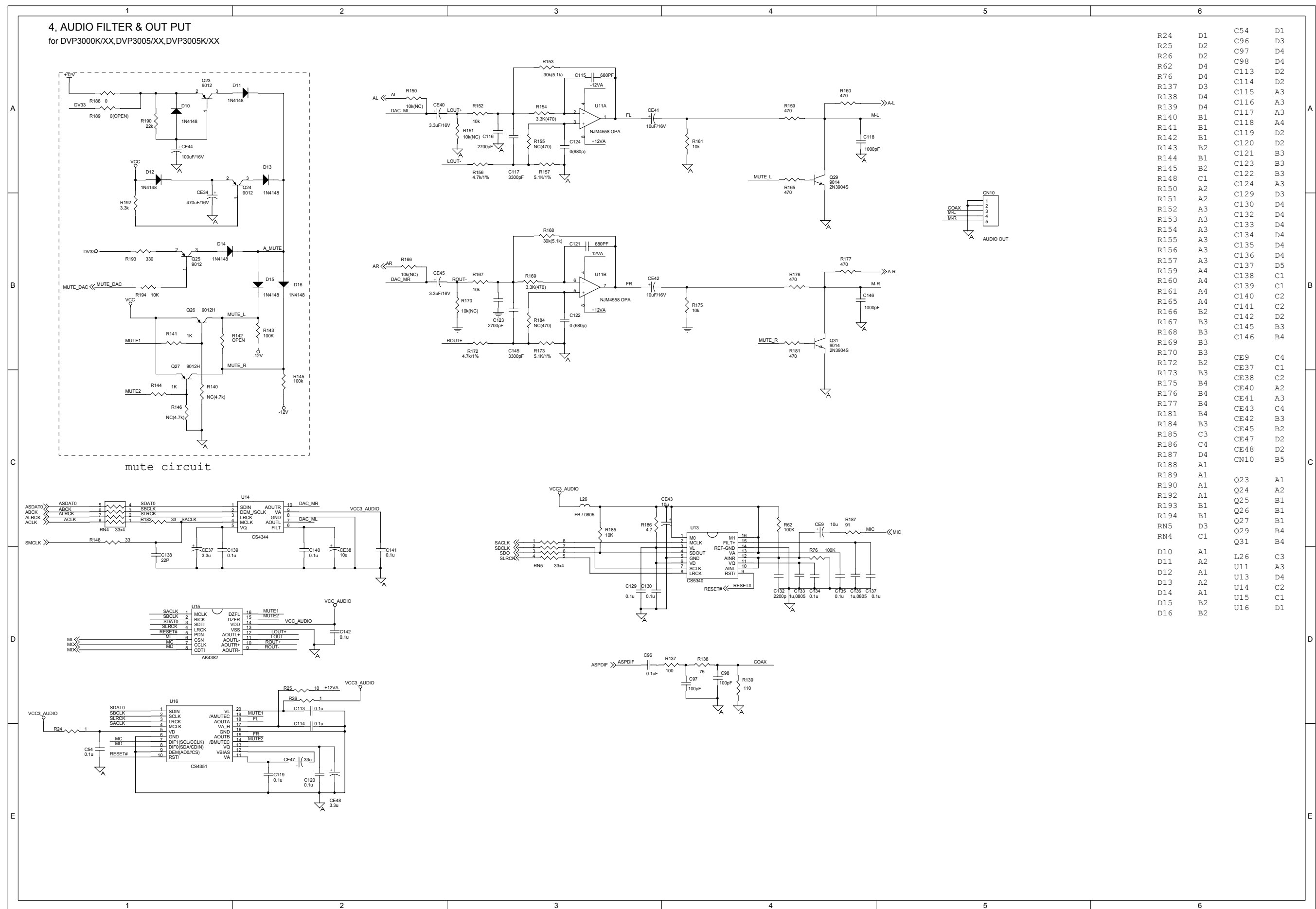
|     |    |      |    |
|-----|----|------|----|
| C1  | C2 | CE1  | C2 |
| C2  | C2 | CE2  | C3 |
| C3  | C3 | CE3  | D2 |
| C4  | C3 | CE4  | D3 |
| C5  | D3 | CE5  | D3 |
| C6  | D4 | CE6  | E3 |
| C7  | D3 | CE8  | E2 |
| C8  | D3 | CE10 | F2 |
| C9  | D3 | CE11 | C4 |
| C10 | D3 | CE12 | C5 |
| C11 | D3 | CE13 | C5 |
| C12 | E3 | CE14 | D5 |
| C13 | E3 | CE15 | D5 |
| C14 | B4 | CE16 | D5 |
| C15 | B5 | CE17 | E5 |
| C16 | B5 | CE49 | E5 |
| C17 | B5 | CN1  | C1 |
| C18 | C4 |      |    |
| C19 | E5 | R1   | D2 |
| C19 | C4 | R2   | D2 |
| C20 | D4 | R3   | D2 |
| C21 | D4 | R4   | D2 |
| C21 | D5 | R5   | D2 |
| C22 | D4 | R6   | E2 |
| C23 | D5 | R7   | E2 |
| C24 | E5 | R8   | D2 |
| C25 | E5 | R13  | E4 |
| C26 | F2 | R21  | D2 |
| C27 | F2 | R81  | C2 |
| C28 | F2 | R111 | C2 |
| C29 | F2 | R147 | D4 |
| C30 | F2 | R211 | B4 |
| C31 | F2 | Q1   | C2 |
| C32 | F2 | Q2   | D2 |
| C33 | F2 | Q3   | D2 |
| C34 | F2 | Q4   | E2 |
| C35 | F3 | U1   | C2 |
| C37 | F3 | U2   | D3 |
| C89 | D2 | U12  | D2 |
| L1  | C2 |      |    |
| L2  | C3 | ZD1  | D2 |
| L3  | D3 | ZD2  | D2 |
| L4  | D3 |      |    |
| L5  | D3 |      |    |
| L7  | D2 |      |    |
| L8  | E2 |      |    |
| L9  | E3 |      |    |
| L10 | B4 |      |    |
| L11 | C4 |      |    |
| L12 | C4 |      |    |
| L13 | C4 |      |    |
| L14 | D4 |      |    |
| L15 | D4 |      |    |
| L16 | D4 |      |    |
| L17 | E4 |      |    |
| L18 | E4 |      |    |

## PAINEL MPEG &amp; SERVO (DVD3005)





## PAINEL FILTRO DE ÁUDIO &amp; SAÍDA



## PAINEL INDEX & POWER, RESET

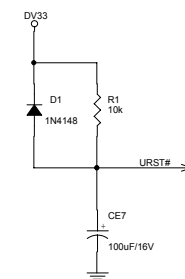
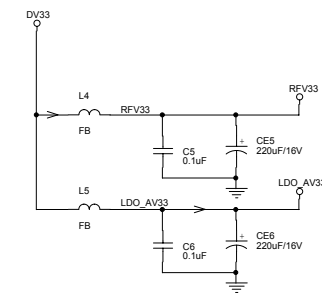
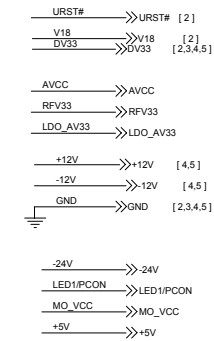
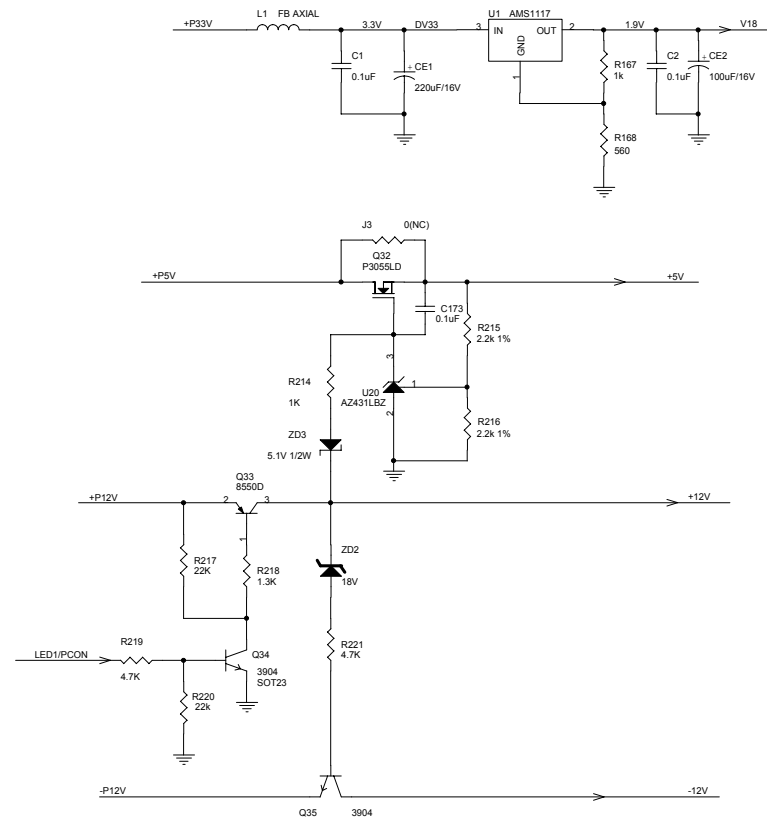
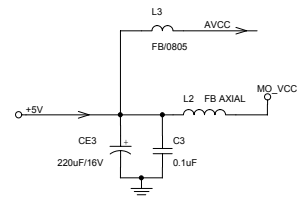
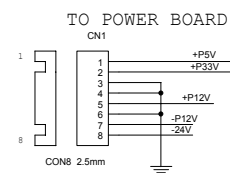
# 1. INDEX & POWER, RESET

- ```

1 INDEX & POWER, RESET
2 RF, SERVO & MPEG - MT1389C&MT1389EE
3 MEMORY - SDRAM, FLASH/EEPROM,VIDEO OUT
4 AUDIO DAC & AUDIO OUT
5 FRONT BOARD
6 POWER SUPPLY

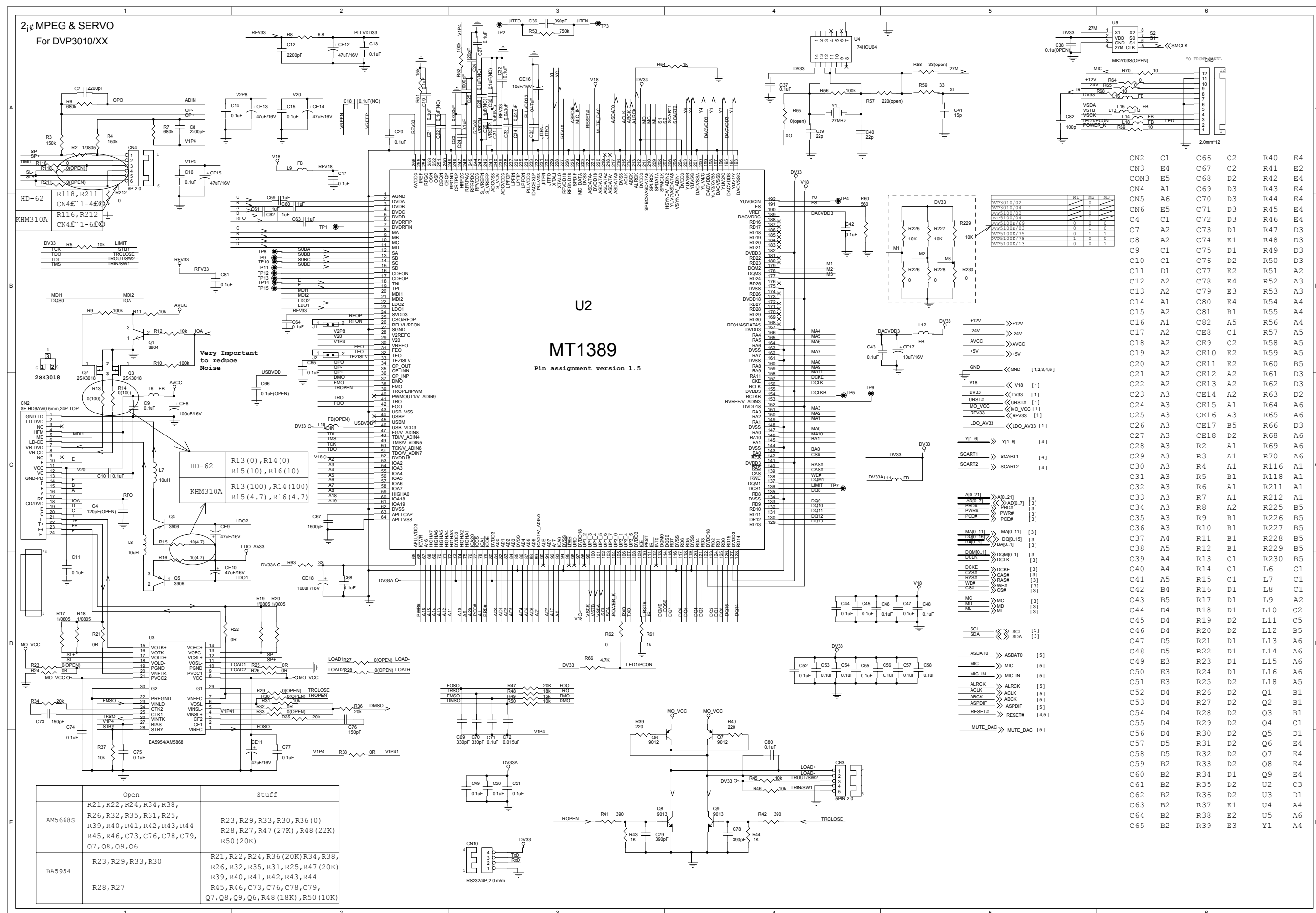
```

NAME	TYPE	DEVICE
VCC	Digital 5V	SUPPLY
DV33	Digital 3.3V	MT1389E
RFV33	Servo 3.3V	MT1389E
AVCC	RF 5V	PICKUP HEADER
V18	Digital 1.8V	MT1389E
+12V	Audio +12V	OP AMP.
-12V	Audio -12V	OP AMP.
+5V	Servo 5V	Motor drive
-24V	VFD	VFD Drive

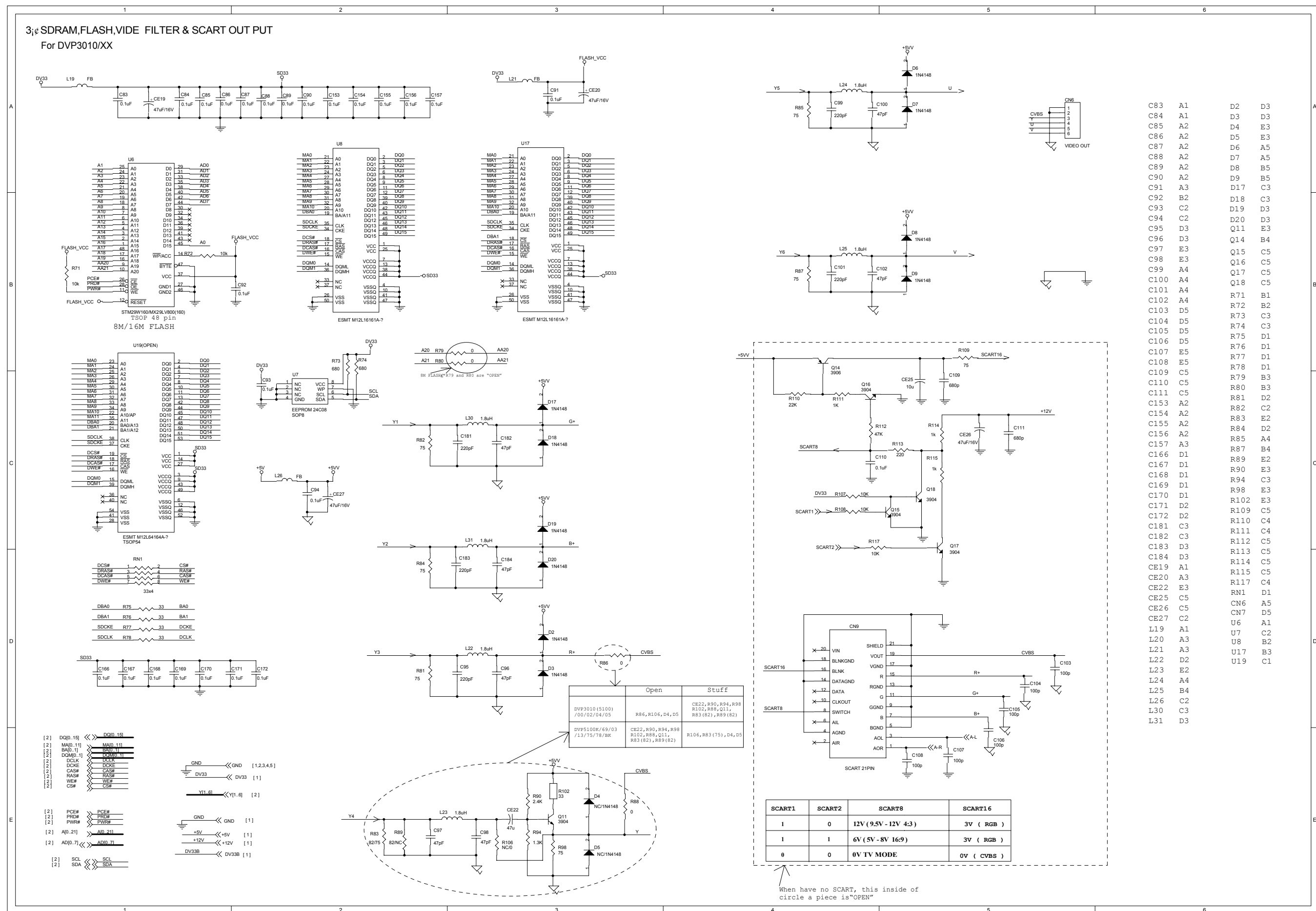


CN1	D1
R1	E5
R167	C3
R168	C3
R169	D3
R214	D3
R215	D3
R216	D3
R217	E3
R218	E3
R219	E2
R220	E3
R221	E3
ZD2	E3
ZD3	E3
D1	E5
C1	C3
C2	C4
C3	E1
C5	D5
C6	D5
C152	C2
C173	D3
CE1	C3
CE2	C4
CE3	E1
CE5	C5
CE6	D5
CE7	E5
L1	C3
L2	E1
L3	E1
L4	C5
L5	D5
Q32	D3
Q33	E3
Q34	E3
Q35	F3
U1	C3
U20	D3

PAINEL MPEG & SERVO (DVP3010)



PAINEL SDRAM, FLASH, FILTRO DE VÍDEO & SAÍDA SCART (DVD3010)



PAINEL FILTRO DE ÁUDIO & SAÍDA (DVD 3010)

4_iφ AUDIO FILTER & OUT PUT
For DVP3010/XX

[2] MD >> MD
[2] ML >> ML
[2] MC >> MC
[1] -12V >> -12V
[1] +12V >> +12V
[1] DV33 >> DV33
[1] +5V >> +5V

[1,2,3,5] GND >> GND

[2] ASDAT0 >> ASDAT0

[2] ASPDIF >> ASPDIF

[2] ACLK >> ACLK

[2] ABCK >> ABCK

[2] ALRCK >> ALRCK

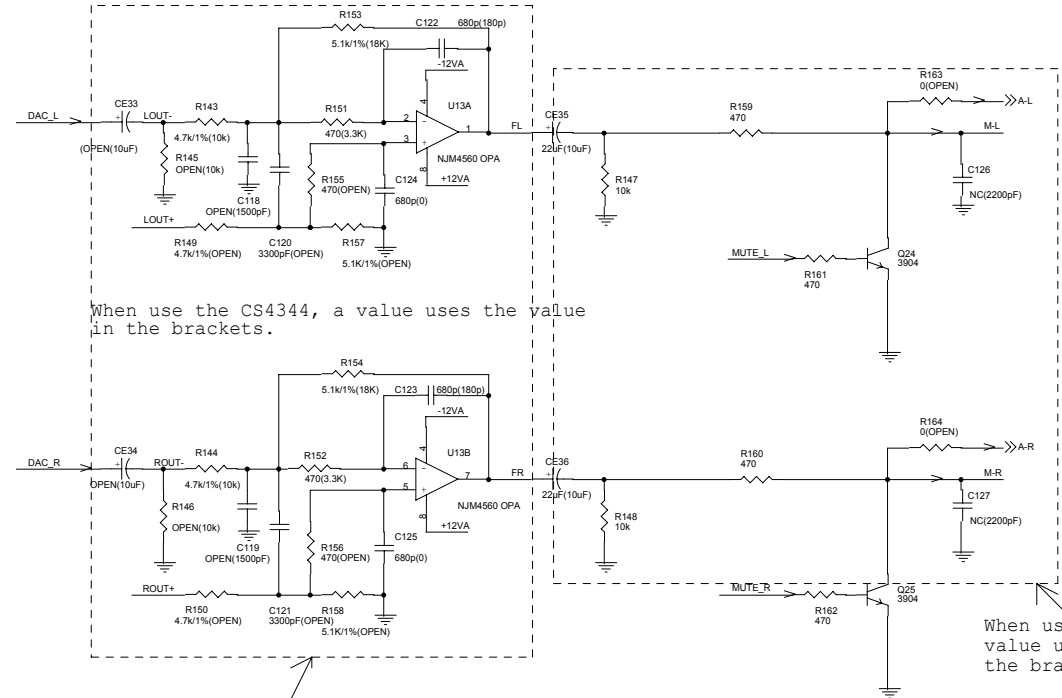
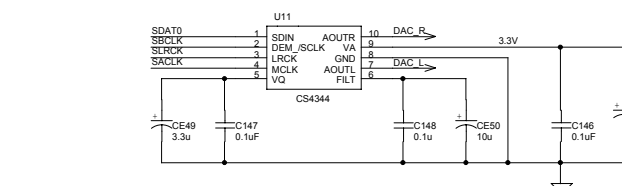
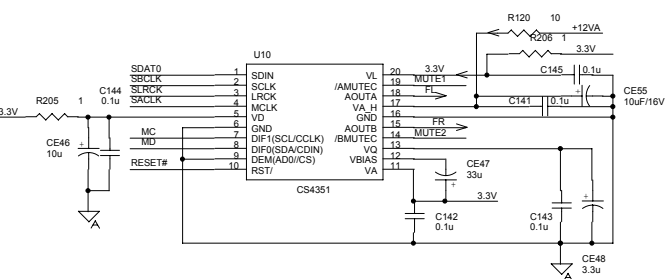
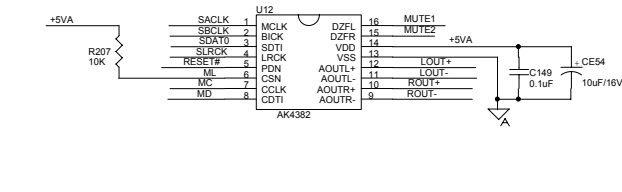
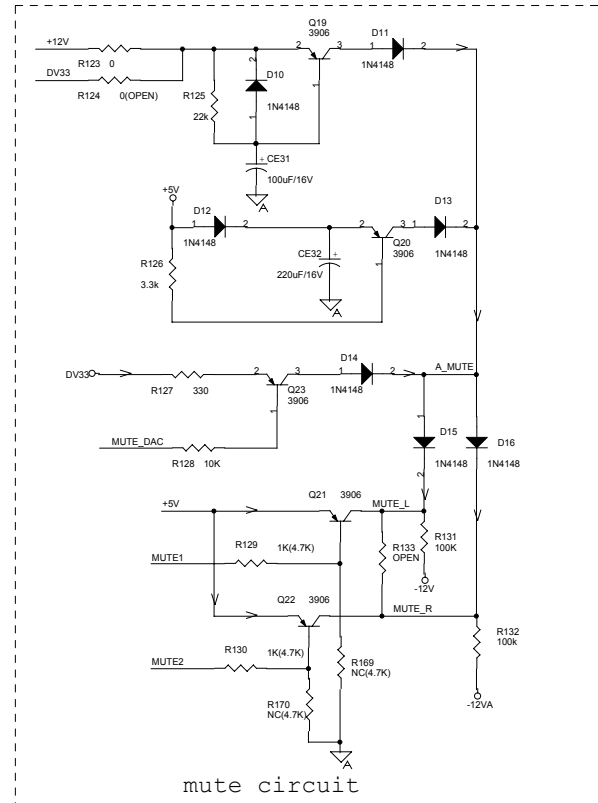
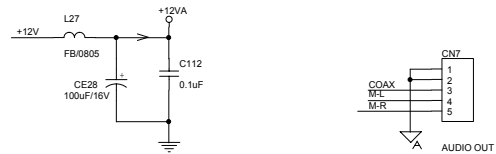
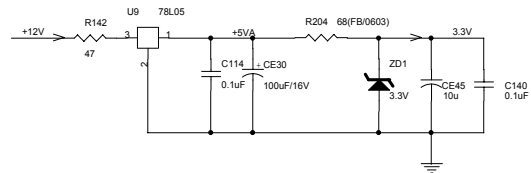
[2] MUTE_DAC >> MUTE_DAC

[2] RESET# >> RESET#

[4] A-L >> A-L

[4] A-R >> A-R

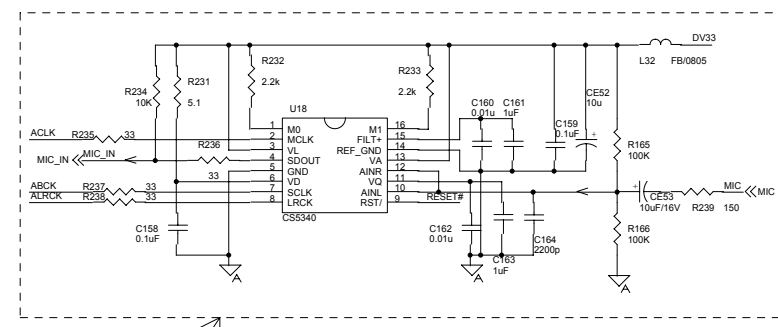
SMCLK >> R134 0(OPEN)
ACLK R136 R137 33 33 SACLK
ALRCK R137 33 33 SLRCK
ABCK R138 33 33 SBCLK
ASDAT0 R139 33 33 ASDAT0



When use the CS4344, a value uses the value in the brackets.

When use the cs4351, this inside of circle a piece is "OPEN"

When use the CS4351, a value uses the value in the brackets.

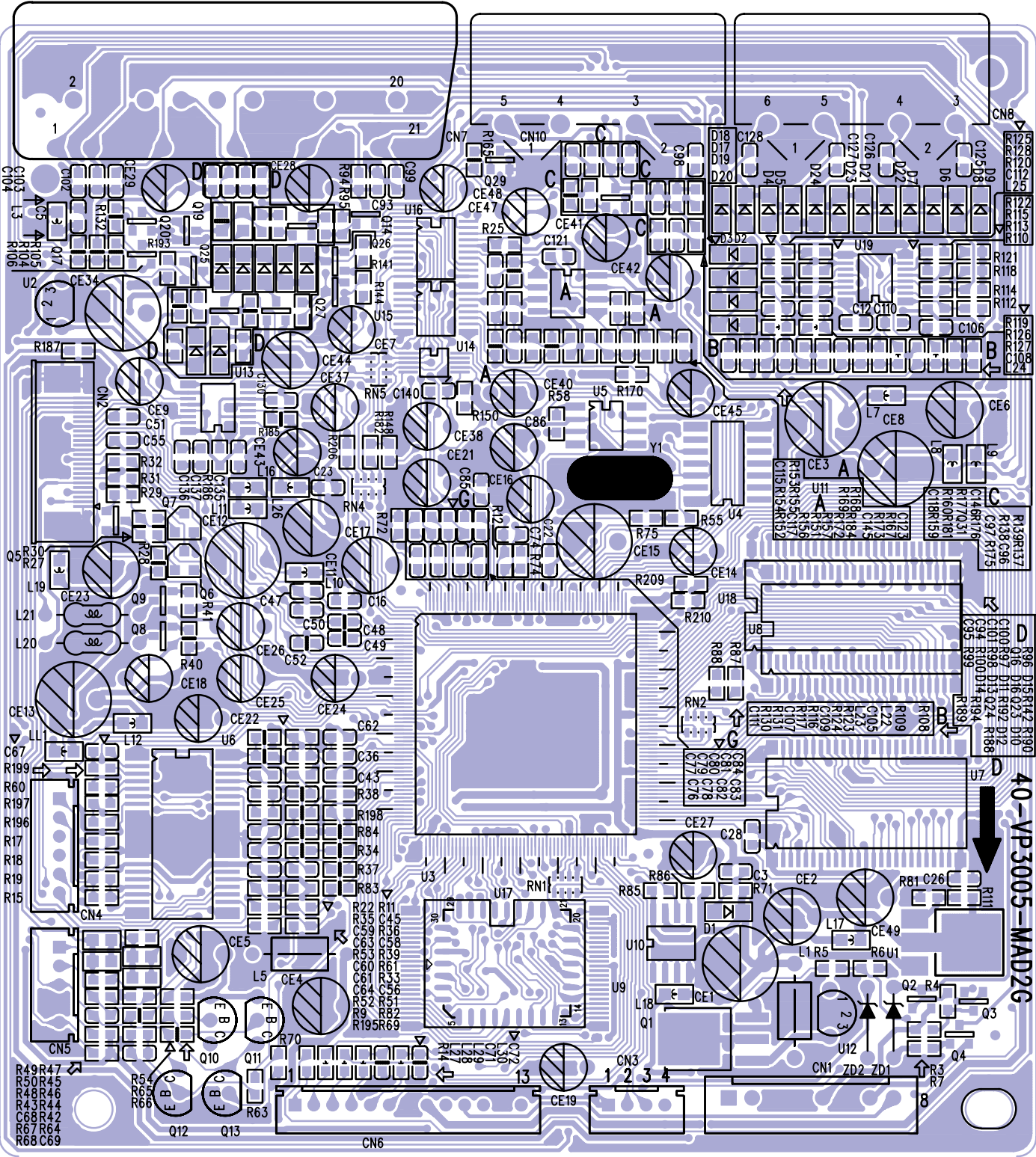


When have no karaoke, this inside of circle a piece is "OPEN"

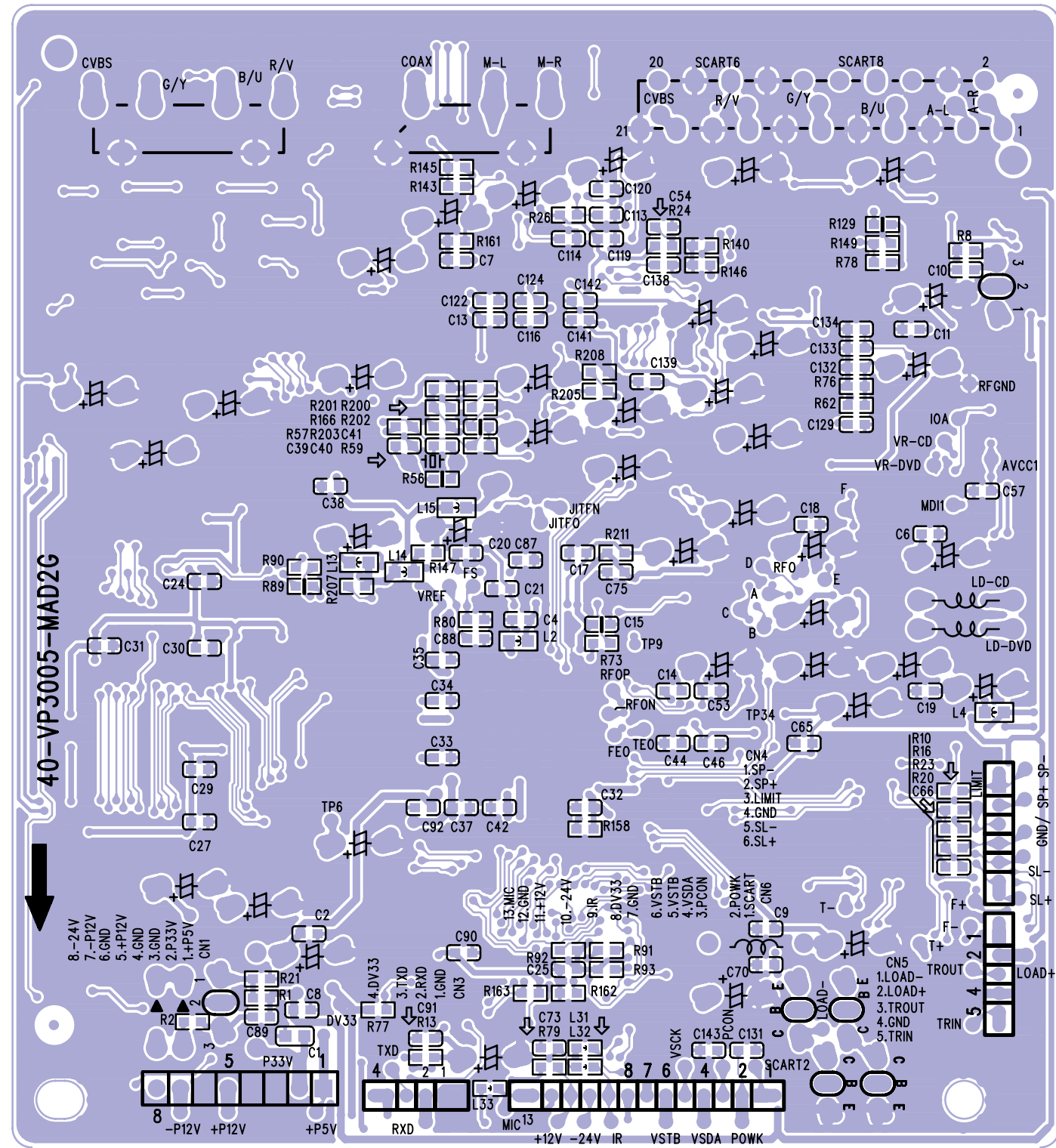
R136	C1	C114	D1	CE49	E2
R137	C1	C115	E1	CE50	E3
R138	C1	C116	E2	CE51	E3
R139	C1	C117	E2	CE52	C5
R142	C1	C118	A4	CE53	C5
R143	A4	C119	B4	CE54	C3
R144	B4	C120	A4	CE55	D3
R145	A4	C121	B4	Q19	A3
R146	B4	C122	A4	Q20	A3
R147	A5	C123	B4	Q21	B3
R148	B5	C124	A4	Q22	B3
R149	A4	C125	B4	Q23	B3
R150	B4	C126	A6	Q24	A5
R151	A4	C127	B6	Q25	B5
R152	B4	C140	D2	D10	A3
R153	A4	C141	D3	D11	A3
R154	B4	C142	D3	D12	A2
R155	A4	C143	D3	D13	A3
R156	B4	C144	D2	D14	B3
R157	A4	C145	D3	D15	B3
R158	B4	C146	E3	D16	B3
R159	A5	C147	E3	U18	C4
R160	B5	C148	E3	U9	C1
R161	A5	C149	C3	U10	D3
R162	B5	C158	D4	U11	E3
R163	A6	C159	C5	U12	C3
R164	B6	C160	C5	U13	A4
R165	C5	C161	C5	CN7	D2
R166	D5	C162	C5		
R169	B3	C163	C5		
R170	C3	C164	C5		
R173	E1	L27	D1		
R174	E2	L28	E1		
R175	E2	L30	C1		

R120	D3	R205	D2	L31	C1
R123	A2	R206	D3	L32	C5
R124	A2	R207	C2	CE28	D1
R125	A2	R231	C4	CE29	E1
R126	A2	R232	C4	CE30	C1
R127	B2	R233	C4	CE31	A3
R128	B2	R234	C4	CE32	A3
R129	B2	R235	C4	CE33	A4
R130	B2	R236	C4	CE34	B4
R131	B3	R237	C4	CE35	A5
R132	B3	R238	C4	CE36	B4
R133	B3	R239	C5	CE46	D2
R134	C1	C112	D1	CE47	D3
R135	C1	C113	E1	CE48	D3

PAINEL MPEG - LAYOUT VISTA SUPERIOR



PAINEL MPEG - LAYOUT VISTA INFERIOR



VISTA EXPLODIDA

