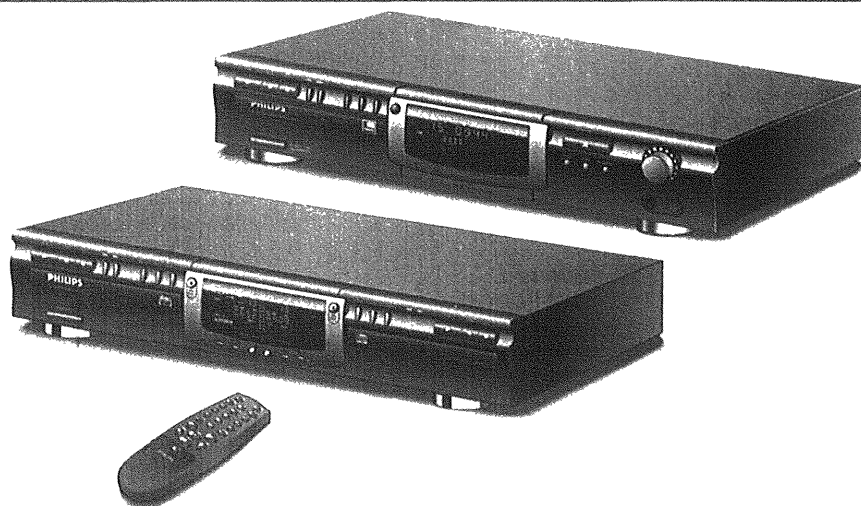


Service
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Service Manual

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1.0) Especificações Técnicas**Geral**

1. Tensão de rede	84~250V
2. Frequência de rede	50-60Hz
3. Consumo	
CDR760/11S	15W
CDR765/11S	18W

Entrada/Saída**1. Saída de linha. (CD e CDRW)**

Nível de saída:	2Vrms at 0dB
Impedância de saída:	200Ω

2. Entrada de linha.

Sensibilidade de entrada:	500mVrms.
Impedância de entrada:	50kΩ.
Nível máximo de entrada:	5Vrms.

3. Saída digital. (CD e CDRW)

Formato:	AES/EBU deacordo com IEC958 (formato consumidor).
Frequência de amostragem:	44.1kHz
Impedância de saída:	75Ω.

4. Entrada digital.

Formato:	AES/EBU deacordo com IEC958 (formato consumidor).
Frequência de amostragem:	44.1kHz
Impedância de entrada:	75Ω.

5. Entrada óptica.

Formato:	AES/EBU deacordo com IEC958 (formato consumidor).
Frequência de amostragem:	44.1kHz

Desempenho de áudio**Saída analógica (reprodução CD e CDRW).**

Nível de saída:	2Vrms±2dB. (0dB digital).
Faixa de frequência F.R.:	20Hz<F.R.<20kHz.
Linearidade de amplitude:	±0.3dB típico.: ± 0.1dB
Canal desbalanceado:	<0.3dB at 1kHz típico: ± 0.2dB
Impedância de saída:	200Ω.
Fase sem linearidade:	<0.2° a 1kHz
Atenuação de saída:	50dB acima de 30kHz.
Separação de canal:	>90dB a 1kHz. típico: 110dB >85dB de 20Hz a 20kHz típico: >93dB.
Relação Sinal/Ruído balanceado:	>98dB. típico: 105dB
Relação Sinal/Ruído desbalanceado:	>95dB. típico: 100dB
Faixa dinâmica:	>92dB a 1kHz. típico: 96dB >90dB de 20Hz a 20kHz. típico: 96dB.
THD+N:	>82dB de 20Hz a 20kHz. típico: 85dB.

Entrada/Saída analógica (caminho monitor somente para a unidade gravadora).

*Medido com sistema de áudio de precisão
Nível de entrada é 500mVrms.*

Nível de saída:	2Vrms±2dB. (0dB digital).
Faixa de frequência F.R.:	20Hz<F.R.<20kHz.
Linearidade de amplitude:	±0.3dB típico.: ± 0.1dB
Canal desbalanceado:	<0.3dB at 1kHz típico: ± 0.2dB
Impedância de saída:	200Ω.
Fase sem linearidade:	<0.2° a 1kHz
Atenuação de saída:	50dB acima de 30kHz.
Separação de canal:	>90dB a 1kHz. típico: 98dB >85dB de 20Hz a 20kHz típico: >92dB.
Relação Sinal/Ruído desbalanceado:	>84dB. típico: 88dB
Faixa dinâmica:	>85dB a 1kHz. típico: 90dB
THD+N:	>80dB de 20Hz a 20kHz. típico: 85dB.
Intermodulação THD:	>80dB.

Saída Fone de ouvido (todas funções).

Nível de saída:	4 Vrms (0dB) / 8 - 2000Ω.
Relação Sinal/Ruído:	>80dB.
THD+N:	>78dB.
Separação de canal.:	>60dB de 20Hz a 20kHz

Dimensões e peso

1. Número e altura dos pés:	4 x 11mm folheado
2. LxAxP:	435x 75 x 305 (mm)
3. Peso sem embalagem:	3,5Kg (CDR760/11S) 4,0Kg (CDR765/11S)
4. Peso com embalagem:	4,5Kg (CDR760/11S) 5,0Kg (CDR765/11S)

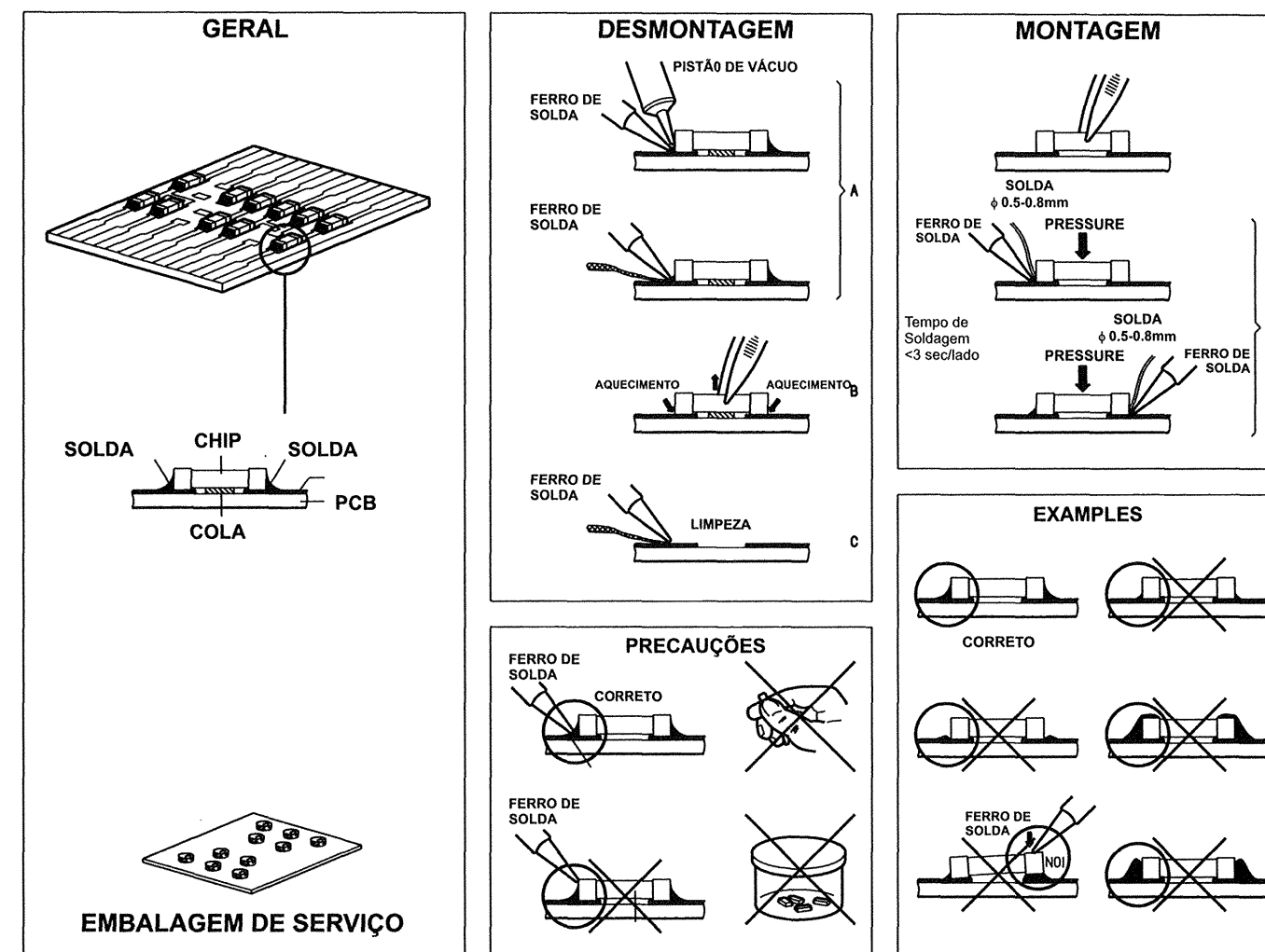
Unidade Laser CDRW

1. Material:	GaAIAs
2. Comprimento de onda:	775 → 795 nm(a 25°C)
3. Saída Laser	
leitura:	0.7 → 0.9 mW
escrita:	13 → 18mW
4. Laser classe:	3B

Unidade Laser CD

1. Material:	GaAIAs
2. Comprimento de onda:	760 → 800 nm(a 25°C)
3. Saída Laser:	máx. 0.5 mW
4. Laser classe:	1

2.0) Precauções



ESD



ADVERTÊNCIA

Todos os circuitos integrados e semicondutores são susceptíveis a descargas eletrostáticas (ESD). O manuseio descuidado durante reparos pode reduzir drasticamente o período de vida útil. Ao fazer reparos, certifique-se de estar conectado ao mesmo potencial da massa do aparelho através de uma pulseira de aterramento. Mantenha os componentes e ferramentas também neste potencial.

SEGURANÇA



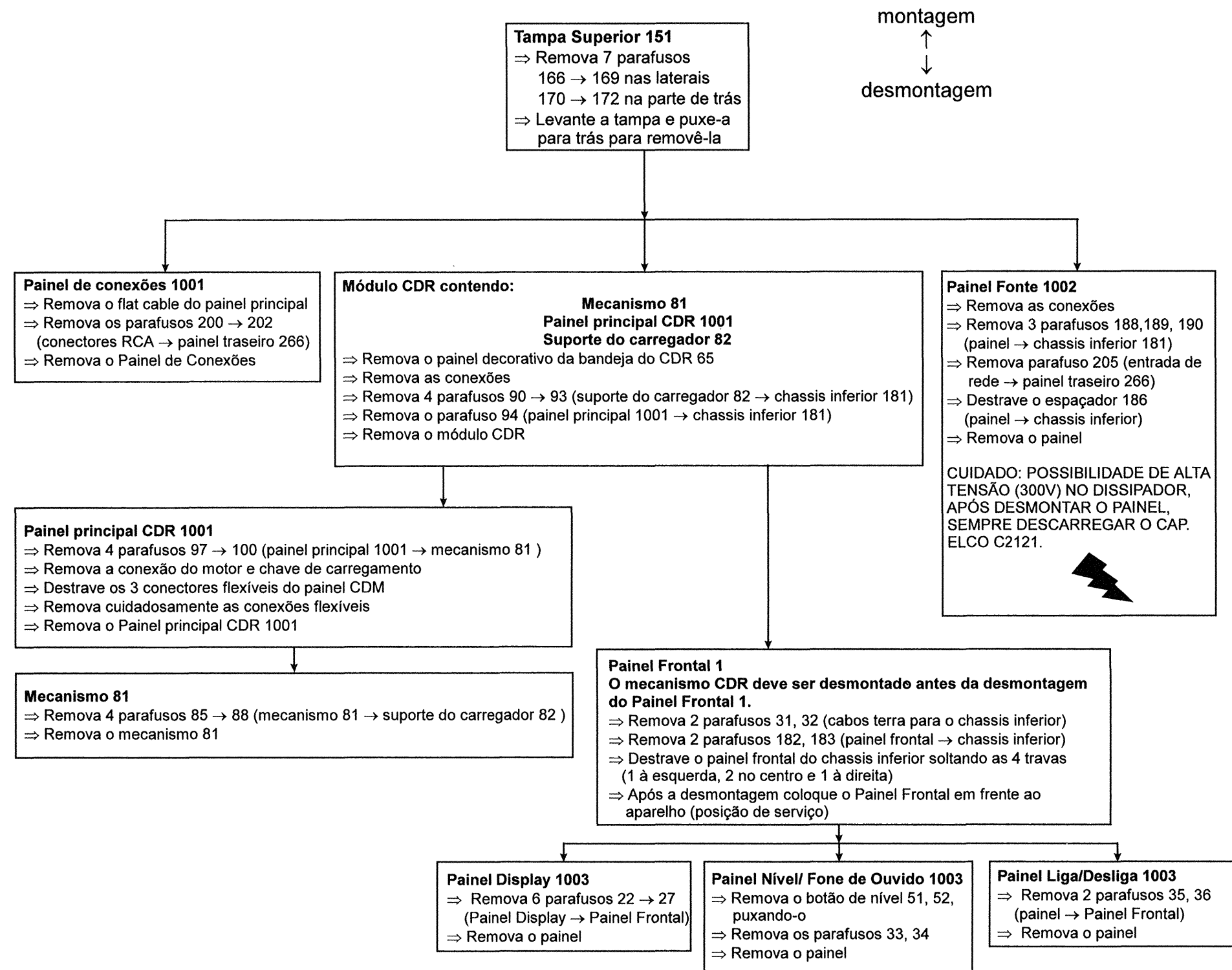
Normas de segurança exigem que o aparelho seja restaurado para sua condição original e que sejam utilizadas componentes idênticos aos especificados. Componentes de segurança são marcados com o símbolo

PERIGO

Radiação invisível de laser quando aberto. EVITE EXPOSIÇÃO AO RAIOS. Após o serviço, antes de sua devolução ao cliente, faça um teste de medição de fuga de corrente de todas as peças metálicas expostas à terra, para assegurar que não exista risco de choque. A corrente de fuga não poderá exceder 0,5mA.

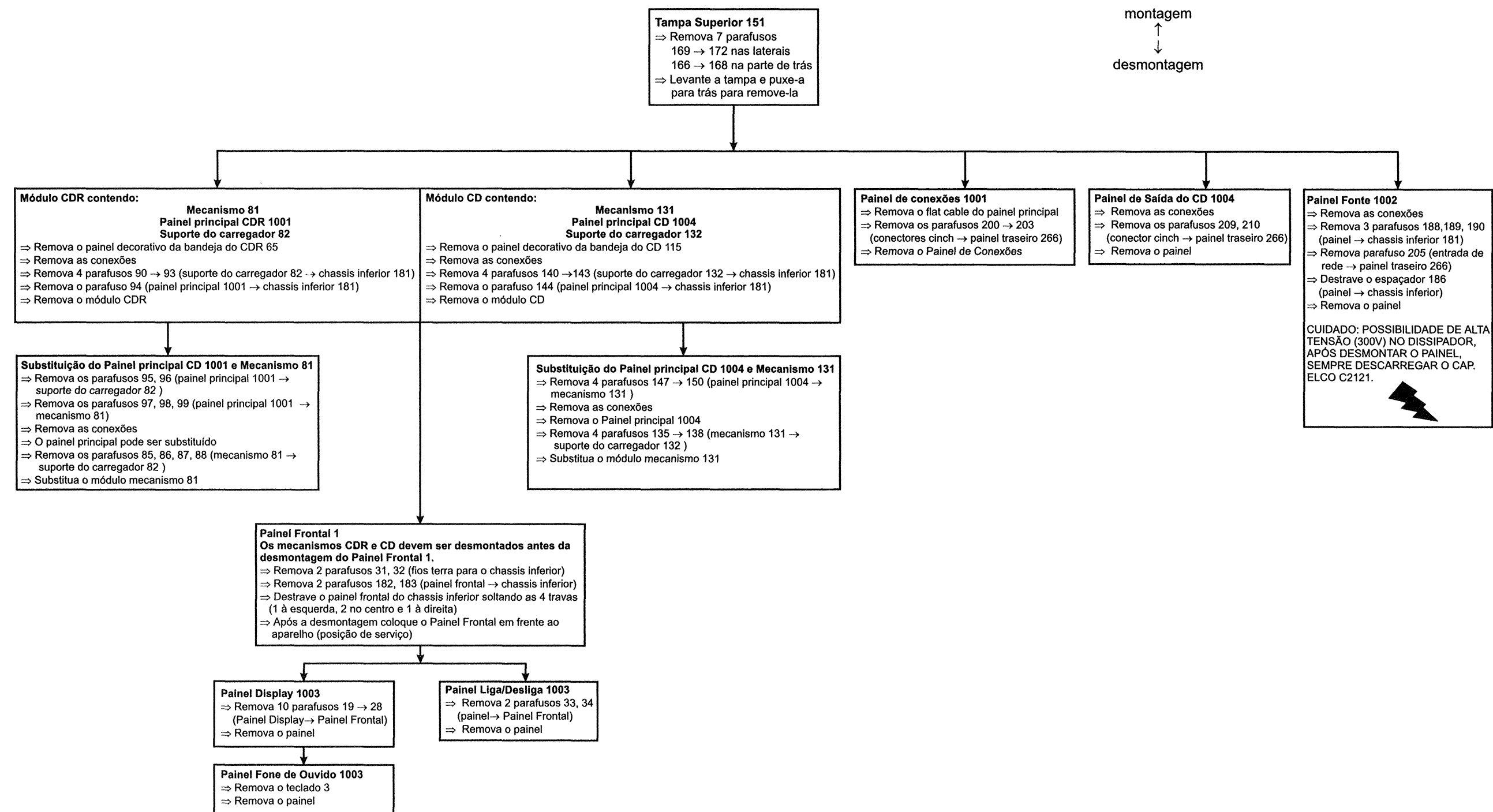
3.1) Instruções de Desmontagem (CDR760/11S)

Para números dos itens ver vista explodida

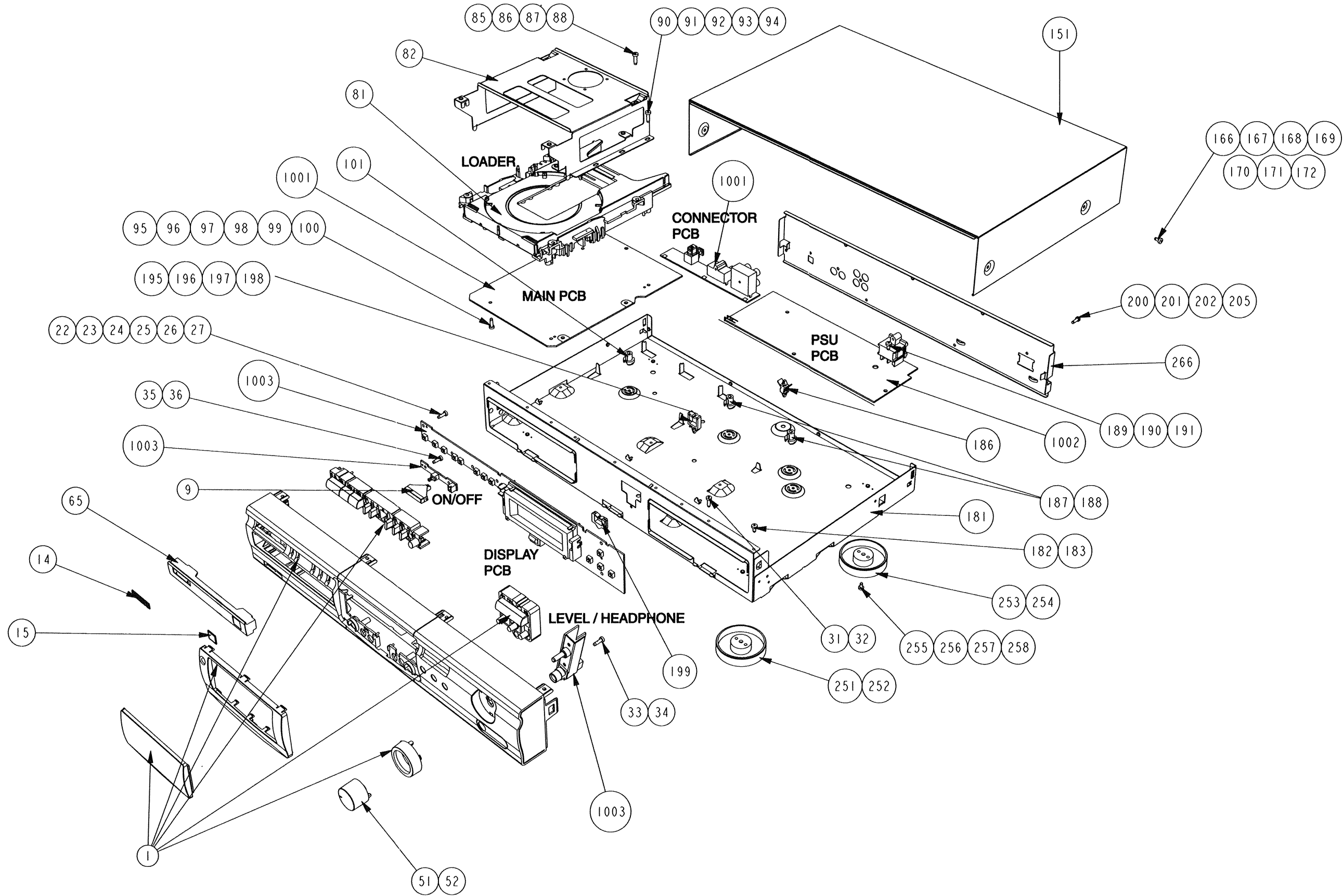


3.2 Instruções de Desmontagem (CDR765/11S)

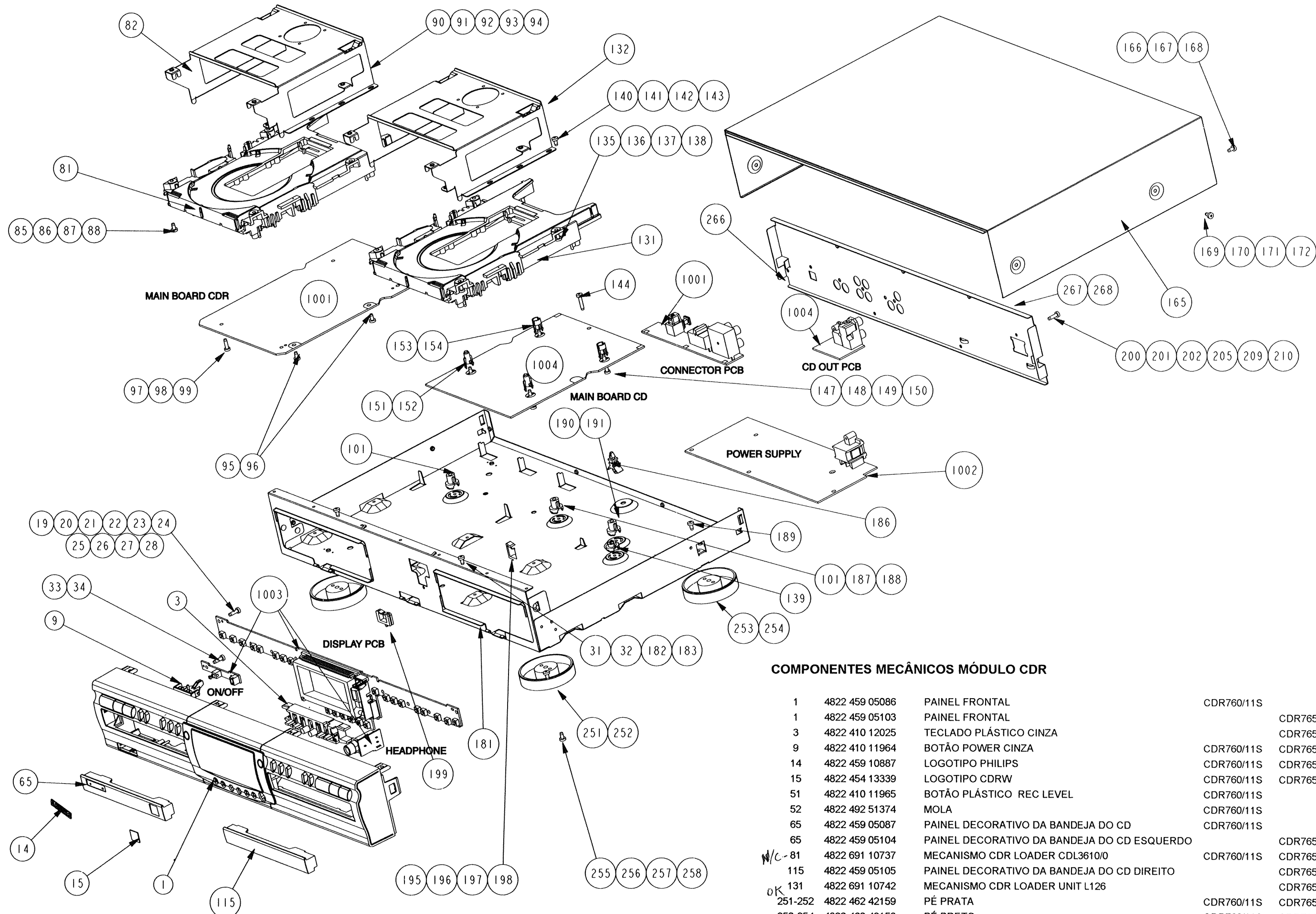
Para números dos itens ver vista explodida



4.1) Vista Explodida do Aparelho (CDR760/11S)



4.2) Vista Explodida do Aparelho (CDR765/11S)



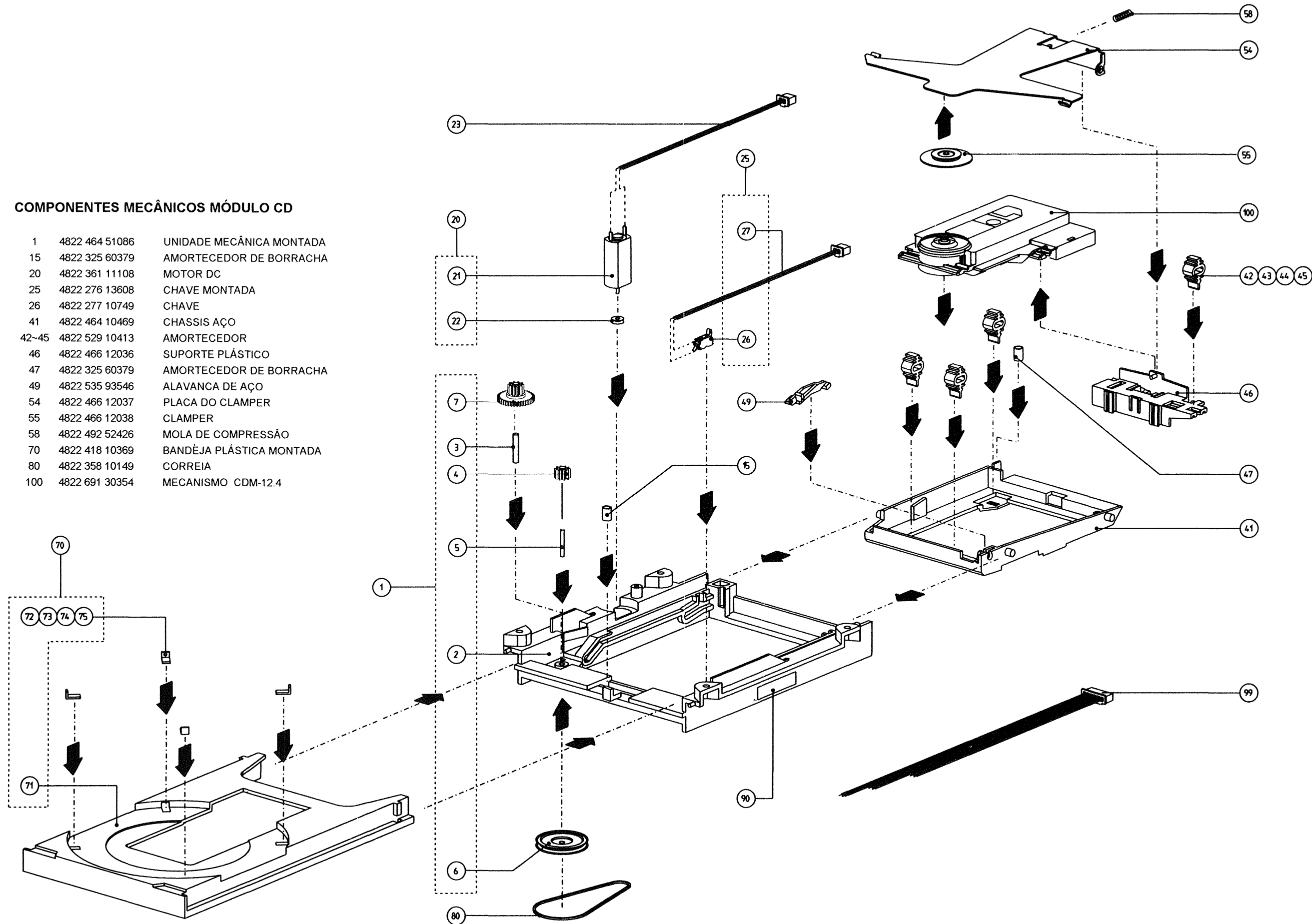
COMPONENTES MECÂNICOS MÓDULO CDR

1	4822 459 05086	PAINEL FRONTAL	CDR760/11S	
1	4822 459 05103	PAINEL FRONTAL		CDR765/11S
3	4822 410 12025	TECLADO PLÁSTICO CINZA		CDR765/11S
9	4822 410 11964	BOTÃO POWER CINZA	CDR760/11S	CDR765/11S
14	4822 459 10887	LOGOTIPO PHILIPS	CDR760/11S	CDR765/11S
15	4822 454 13339	LOGOTIPO CDRW	CDR760/11S	CDR765/11S
51	4822 410 11965	BOTÃO PLÁSTICO REC LEVEL	CDR760/11S	
52	4822 492 51374	MOLA	CDR760/11S	
65	4822 459 05087	PAINEL DECORATIVO DA BANDEJA DO CD	CDR760/11S	
65	4822 459 05104	PAINEL DECORATIVO DA BANDEJA DO CD ESQUERDO		CDR765/11S
N/C-81	4822 691 10737	MECANISMO CDR LOADER CDL3610/0	CDR760/11S	CDR765/11S
115	4822 459 05105	PAINEL DECORATIVO DA BANDEJA DO CD DIREITO		CDR765/11S
OK-131	4822 691 10742	MECANISMO CDR LOADER UNIT L126		CDR765/11S
251-252	4822 462 42159	PÉ PRATA	CDR760/11S	CDR765/11S
253-254	4822 462 42158	PÉ PRETO	CDR760/11S	CDR765/11S
301	4822 321 10249	CABO DE REDE	CDR760/11S	CDR765/11S
465	4822 466 11982	LÂMINA PLÁSTICA		CDR765/11S

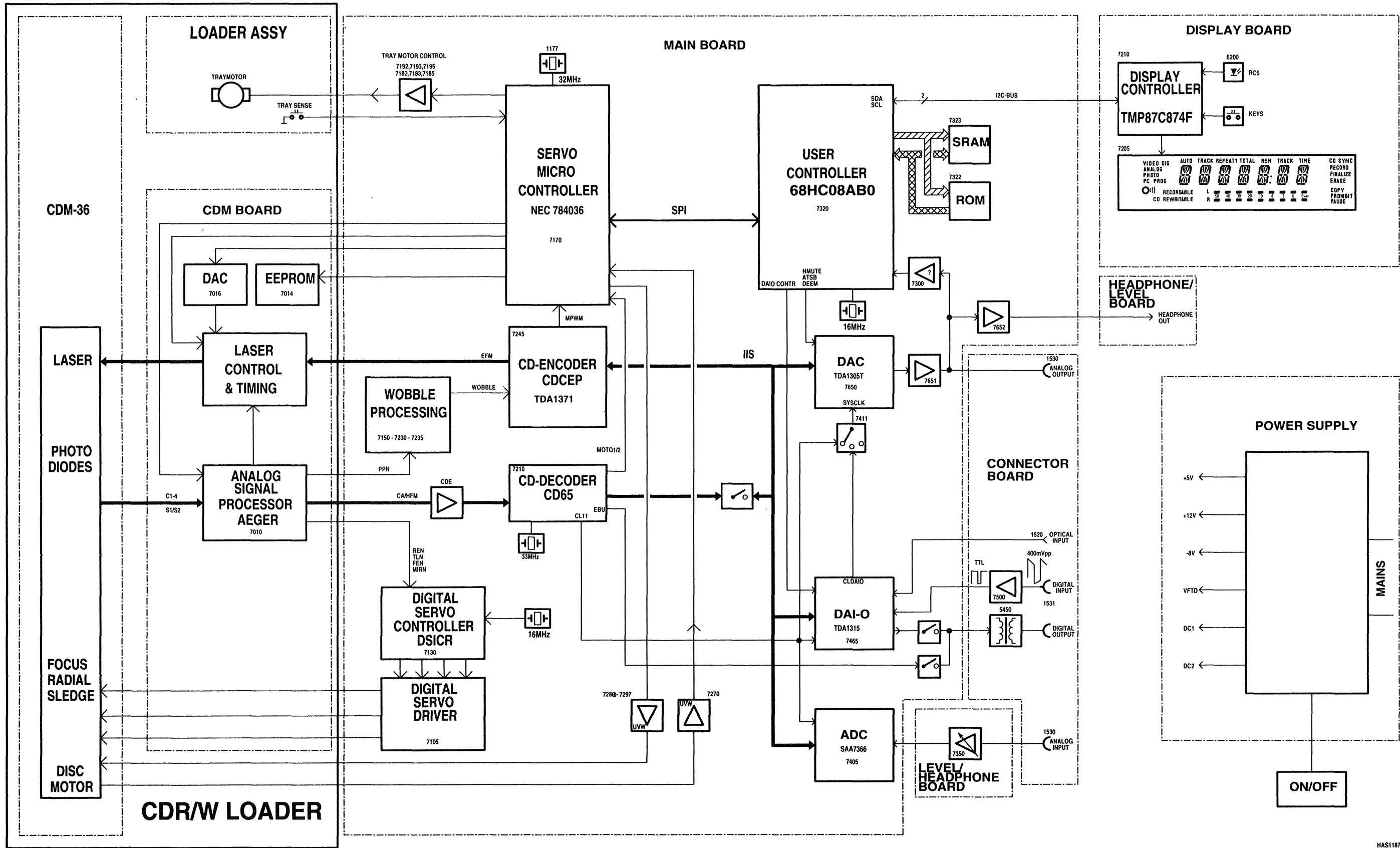
4.3) Vista Explodida do Mecanismo CD (CDR765/11S)

COMPONENTES MECÂNICOS MÓDULO CD

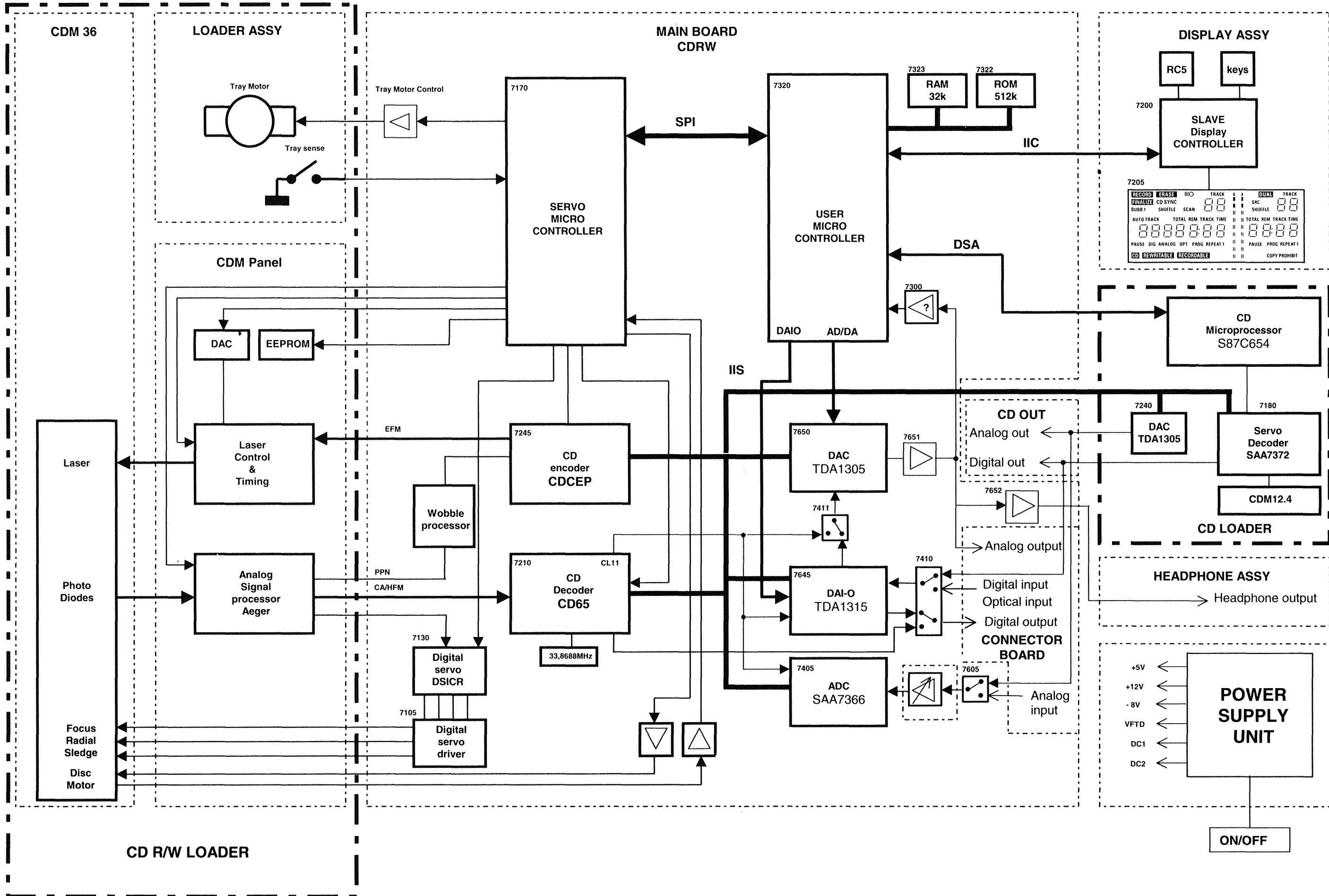
1	4822 464 51086	UNIDADE MECÂNICA MONTADA
15	4822 325 60379	AMORTECEDOR DE BORRACHA
20	4822 361 11108	MOTOR DC
25	4822 276 13608	CHAVE MONTADA
26	4822 277 10749	CHAVE
41	4822 464 10469	CHASSIS AÇO
42-45	4822 529 10413	AMORTECEDOR
46	4822 466 12036	SUPORTE PLÁSTICO
47	4822 325 60379	AMORTECEDOR DE BORRACHA
49	4822 535 93546	ALAVANCA DE AÇO
54	4822 466 12037	PLACA DO CLAMPER
55	4822 466 12038	CLAMPER
58	4822 492 52426	MOLA DE COMPRESSÃO
70	4822 418 10369	BANDÉJA PLÁSTICA MONTADA
80	4822 358 10149	CORREIA
100	4822 691 30354	MECANISMO CDM-12.4



5.1) Diagrama em Blocos (CDR760/11S)



5.2) Diagrama em Blocos (CDR765/11S)



6.0) Sinais e Abreviações

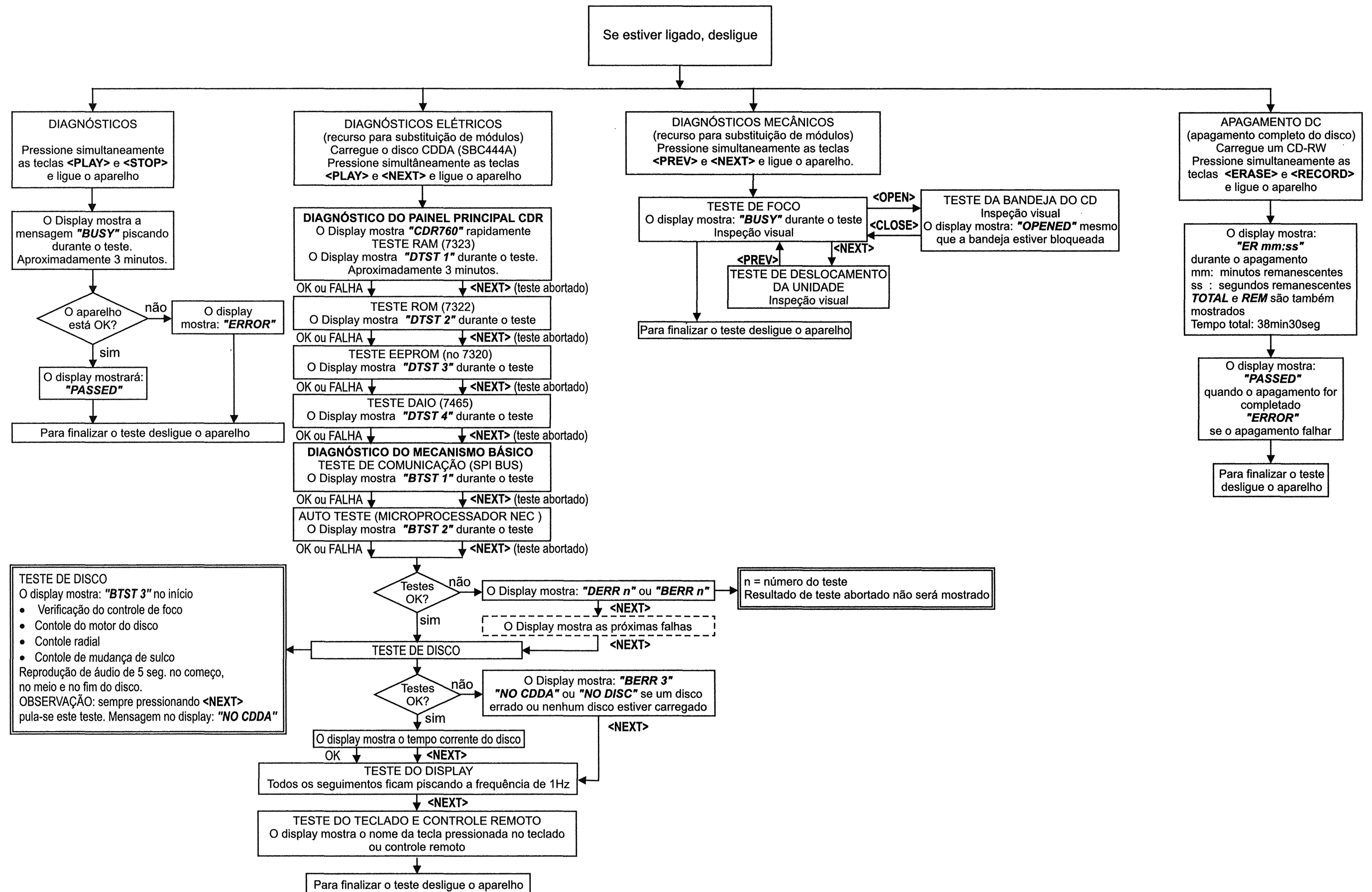
SIGNAL NAME	SIGNAL FLOW	FUNCTION AND DESCRIPTION
+12Va	Supply voltage	Single power supply +12V for op-amps 7150, 7235
+12Vb	Supply voltage	Power supply +12V for op-amps
+4V	Supply from CDR loader	Power supply +4V for servo microcontroller
+5Va	Supply voltage	Analog power supply +5V
+5Vb	Supply voltage	Digital power supply +5V
+5VDS	Supply voltage	Power supply +5V for Connector Part
+5VM	Supply voltage	Power supply turntable motor control circuit
-8Va	Supply voltage	Power supply -8V
A1A	IC7170→CONN.1101	Calculation β and HF0 Positive peak detector between CA and CALF
A2A	IC7170→CONN.1101	Beta = $(A1-A2)/(A1+A2)$ Negative peak detector between CA and CALF
ACK	IC7320↔R3904(IC7170)	Acknowledge serial communication user microprocessor
AD[0:18]	IC7320→IC7322 IC7320→IC7323	External address bus of user processor
ADC		Analog/Digital Converter
ANACD	IC7320→IC7605	Control signal dubbing analog for protected tracks
ANAIN1	IC7320→IC7601	Control signal level setting analog input
ANAIN2	IC7320→IC7601	Control signal level setting analog input
ATSB	IC7320→IC7650	Attenuation 12 dB of DAC(active low) during search
BS	IC7320→IC7440	Block synchronisation
CA	CONN.1101→R3299	Central Aperture(C1+C2+C3+C4)DC →for Mod. calculation
CALF	IC7170→CONN.1101	CA low frequency
CD60		Decoder
CD60CLK	IC7210→IC7403	I2S clock from CD60
CD60WS	IC7210→IC7403	I2S word select from CD60
CDAICL	IC7320→IC7465	DAI-O interface clock
CDAIDA	IC7320↔IC7465	DAI-O interface data
CDAILD	IC7320→IC7465	DAI-O interface mode
CDCEP		CD-Circ Efm Encoder Plus
CDE	IC7170→R3255	CD erase
CDTRAYO	IC7320→CONN1380	CD loader tray open (CDR765) (not used)
CDTRAYC	IC7320→CONN1380	CD loader tray closed (CDR765) (not used)
CE_INT	IC7170←IC7245	CDCEP interrupt
CFLG	IC7210→CONN.1250	Correction flag output(CD60)
CL11	IC7210→IC7411	11.2896 MHz systemclock for ADC/DAC
CL16	IC7210→IC7241	164344 MHz systemclock (not used)
CLCE	IC7170→IC7245	μ P clock output encoder(CD60)
CLDAIO	IC7465→IC7411	Clock output DAIO
CLDE	IC7170→IC7210	μ P clock output decoder(CD60)
CLDS	IC7170→IC7130	μ P clock output DSICR
CLKC0	IC7241→CONN1360	System clock for CD player (CDR765)
CLKCDCEP	IC7260→IC7245	I2S clock to CDCEP
CLKN2	CONN1360→IC7260	I2S clock from CD player (CDR765)
CLKQ	IC7245→IC7240 IC7245→IC7241	PLL clock output from encoder
CLKQD	IC7241→IC7240	CLKQ divided by 2
CLO3	IC7440→IC7411	GDIN clock3 out: system clock for DAC (option)
CLWP	IC7170→IC7245	μ P clock Atip information CDCEP
COMCLK	IC7320↔R3165(IC7170)	Communication clock for data transfer from user microprocessor
COMSYNC	IC7320↔IC7170	Communication synchronisation from user microprocessor
CRIN	IC7440→IC7210	GDIN clock1 out: system clock for decoder CD60 (option)
CSRAM	IC7320→IC7323	Chip Select RAM

CSROM	IC7320→IC7322	Chip Select ROM
D[0:7]	IC7320↔IC7322 IC7320↔IC7323 IC7320↔IC7324	Data bus
DAC		Digital/Analog Converter
DACDCEP	IC7260↔IC7245	I2S data to CDCEP
DACE	IC7170→IC7245	μP data I/O CDCEP
DACL	IC7170→CONN.1102	DAC clock
DADE	IC7170→IC7210	uP data CDLIP
DADI	IC7170→CONN.1102	DAC data in (CDM)
DADS	IC7170→IC7130	μP data I/O DSICR
DAIN	IC7465↔IC7245	Data signal(CDCEP)
DAI-O		Digital Audio Input/Output
DAIO_REC	IC7325→IC7403	high during recording from digital in source, low to prevent conflict in IIS bus during playback and analog recording(option)
DALD	IC7170→CONN.1102	DAC load(CDM)
DAN2	CONN1360↔IC7260	I2S data from CD player (CDR765)
DAOUT	R3217(IC7210)→IC7403	I2S data output(CD60)
DATADIR	IC7320→IC7403	Data direction: control signal, HIGH during playback
DAWP	IC7170→IC7245	μP data Atip information(CDCEP)
DEEM1	IC7320→IC7650	Deemphasis active(44.1 kHz sample rate)
DIGIN	IC7410→IC7465 IC7410→IC7440	Digital input signal to DAIO and GDIN
DIGINEXT	CONN1400→IC7410	Digital input
DIGOUT	IC7465→CONN.1400	Digital output
DIGSW1	IC7320→IC7410	Control signal for digital input/output selection
DIGSW2	IC7320→IC7410	Control signal for digital input/output selection
DSA_ACK	IC7320→CONN1360	Data/strobe/acknowledge serial communication from USER uP to CD player (CDR765)
DSA_DATA	IC7320→CONN1360	Data/strobe/acknowledge serial communication from USER uP to CD player (CDR765)
DSA_STROBE	IC7320→CONN1360	Data/strobe/acknowledge serial communication from USER uP to CD player (CDR765)
DSICR		Digital Servo IC Recordable
EBUCD60	IC7210→IC7410	Digital out signal from CD60
EBUDAIO	IC7465→IC7410	Digital out signal from DAIO
EBUININT	CONN1360→IC7410	Digital input from CD player (CDR765)
EECL	IC7170→CONN.1102	EEPROM clock
EEDA	IC7170↔CONN.1102	EEPROM data
EFM	IC7245→IC7205	Eight to Fourteen Modulation CDCEP output for monitoring (reduced voltage from CD60 to MONON)
EFMCLK	IC7245→CONN.1102	EFM clock 4.3218 or 8.6436 MHz
EFMM	IC7245→CONN.1102	EFM N-1
FEN	CONN.1101→IC7130	Focus Error Normalized = (C1 + C3 - C2 - C4)/(C1 + C2 + C3 + C4)
FEofs	IC7170→R3133	Focus Error OFF Switch
FOC-	IC7105→CONN.1101	Focus actuator negative connection
FOC+	IC7105→CONN.1101	Focus actuator positive connection
FS	CONN.1102→R3152	FS = FS0 - DALFA(write power to laser control)
FSM	CONN.1102→D6155	Focused sense monitor
GDIN		General Digital Input (option)
GDINCL	IC7320→IC7440	GDIN interface clock
GDINDA	IC7320↔IC7440	GDIN interface data
GDINLD	IC7320→IC7440	GDIN interface mode
HALL_U, V, W	IC7170→IC7270 IC7170→IC7280	Hall element U, V, W of motor

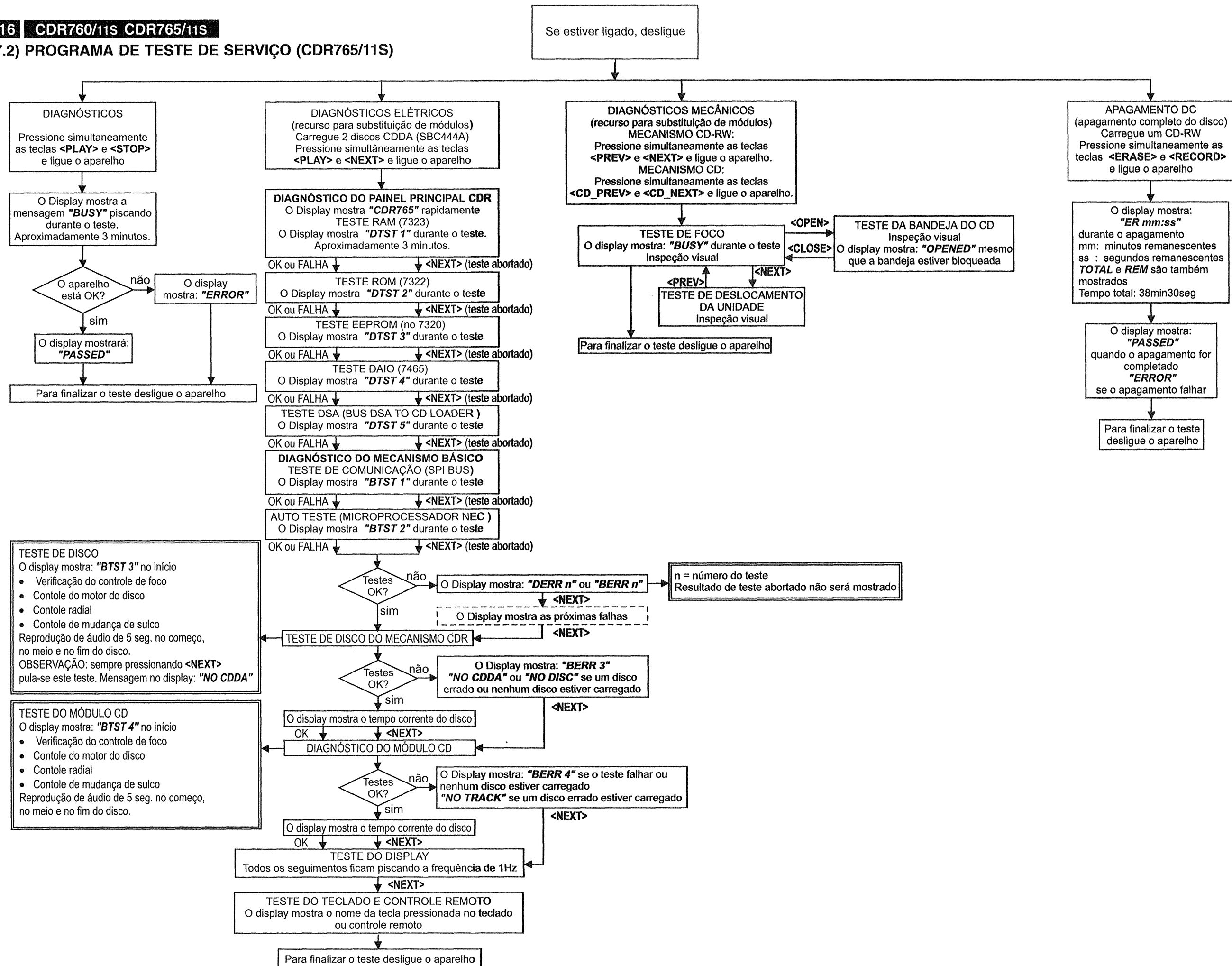
HMSW	CONN.1101→IC7170	Home Switch
IISCLK	IC7603→IC7465 IC7603→IC7245 IC7403→IC7650	I2S-BUS clock
IISWS	R3219(IC7210)→IC7403	I2S-BUS word select
INTSLAVE	CONN1330→IC7320	Slave processor interrupt
KILL	T7446→R3671,3672	Kill signal to mute analog output signal
KILL_OUT	IC7320→R3473	Control signal to activate Kill signal
LDCE	IC7170←IC7245	μP load input(from CDCEP)
LDDE	IC7170→IC7210	μP load output decoder
LDDS	IC7170→IC7130	μP load output DSICR
LDON	IC7130→CONN.1102 IC7105→CONN.1102	Laser Diode ON(on read)
LEFTOUT	C2497→CONN.1400 C2497→CONN.1420 C2497→C2300	Analog left output
LWRT	IC7245→CONN.1102	Laser at writing power
MIRN	CONN.1101→IC7130	Mirror normalized
MISO	IC7320↔R3168(IC7170) IC7320↔CONN.1300	Master in, Slave out: data from Basic Engine to USER.
MONON	IC7170→IC7205	Monitoring EFM from CDCEP to CD60
MOSI	IC7320↔R3903(IC7170) IC7320↔CONN.1300	Master out, Slave in : data from USER to Basic Engine
MOTO1	IC7210→IC7170	Control signal for motor
MPWM	IC7170→IC7245	Motor Pulse Width Modulation
N=2	IC7320→IC7260	Control signal to close switch when dubbing (n = 2 !)
N2	IC7170→IC7240 IC7170→IC7205	N = high(double speed)
N4	IC7170→IC7205	N = high(fourfold speed)
NCLOSE	IC7170→R3196	Tray close (CDR loader)
NIRQ	IC7170→IC7245	Interrupt request wobble processing(CDCEP)
NMUTE	IC7320→IC7650	Mute signal (active low)
NOOPEN	IC7170→R3181	Tray open (CDR loader)
NRSMP	IC7245→CONN.1102	None read sample
OPTIN	CONN.1400→IC7440 CONN.1400→IC7465	Optical input
OTD	IC7130→IC7170	Off track detection DISCR
OVL	IC7603→IC7320	Overload flag input
PP	CONN.1101→C2231	XB or PPN(read or write)
PWM	IC7170→R3268	Pulse width modulation
R/W	IC7320→IC7324	μP read/write signal
RAD-	IC7105→CONN.1101	Radial actuator negative connection
RAD+	IC7105→CONN.1101	Radial actuator positive connection
RADINT	IC7170→R3111	Radial actuator integrator voltage.
REN	CONN.1101	Radial Error Normalized
RENSW	IC7170→R3124	Radial Error Normalized switch
RESEN	IC7170→IC7245 IC7170→IC7130	Reset encoder(CDCEP) and digital servo(DSICR)
RESET	IC7170→IC7210	Reset decoder CD60
RIGHTOUT	C2498→CONN.1400 C2498→CONN.1420 C2498→C2303	Analog right output
RSTHA	IC7325→IC7465	Reset high active, reset for DAIO
RSTIN	IC7320→IC7325	Reset microcontroller(from user μP)
RSTLA	IC7325→IC7440	Reset low active, reset for GDIN, servo uP, DSD3, DSICR and display.

	IC7325→IC7170 IC7325→D6130 IC7325→CONN.1330	
RXD	IC7320↔IC7325	Receive data of serial interface
SCL	IC7320↔L5300	I2C-bus clock for communication
SCLI	IC7320→T7326	I2C-bus clock Input to check "busy" of slave
SDA	IC7320↔L5300	I2C-bus data to display driver
SDAUX	IC7603→IC7440	Analog to digital converted data from ADC to DAI-O
SL-	IC7105→CONN.1101	Sledge motor negative connection
SL+	IC7105→CONN.1101	Sledge motor positive connection
STROBE	IC7320→IC7465 IC7320→CONN.1302	Control signal for DAI-O : data strobe
SWRT	IC7245→CONN.1102	Start Write 9ms(one shot at start up LWRT)
SYSCKLSW2	IC7320→IC7411	Control signal for system clock selection
SYSCLKSW1	IC7320→IC7411	Control signal for system clock selection
SYSSYNC	IC7170→CONN.1135	System synchronization
TLN	CONN.1101→IC7130	Track Loss Normalized
TRAYSW	CONN1380→IC7320	Control signal from CD loader (CDR765)
TRS1N	IC7170→CONN.1103	Tray sense
TXD	IC7320↔IC7325	Transmit data serial interface
UDAVAIL	IC7320→IC7465	User-data available
UNLOCK	IC7465→IC7320	Not locked on incoming EBU-signal
UNLOCK_GDIN	IC7323→R3435	Unlock signal to GDIN
V4	IC7210→CONN.1250	Versatile pin 4
VDC1	Supply voltage	Filament voltage for display
VDC2	Supply voltage	Filament voltage for display
VFTD	Supply voltage	Power supply for display
WCLK	IC7210→IC7245	Word clock
WSCDCEP	IC7260→IC7245	I2S word select to CDCEP
WSN2	CONN1360→IC7260	I2S word select from CD player (CDR765)

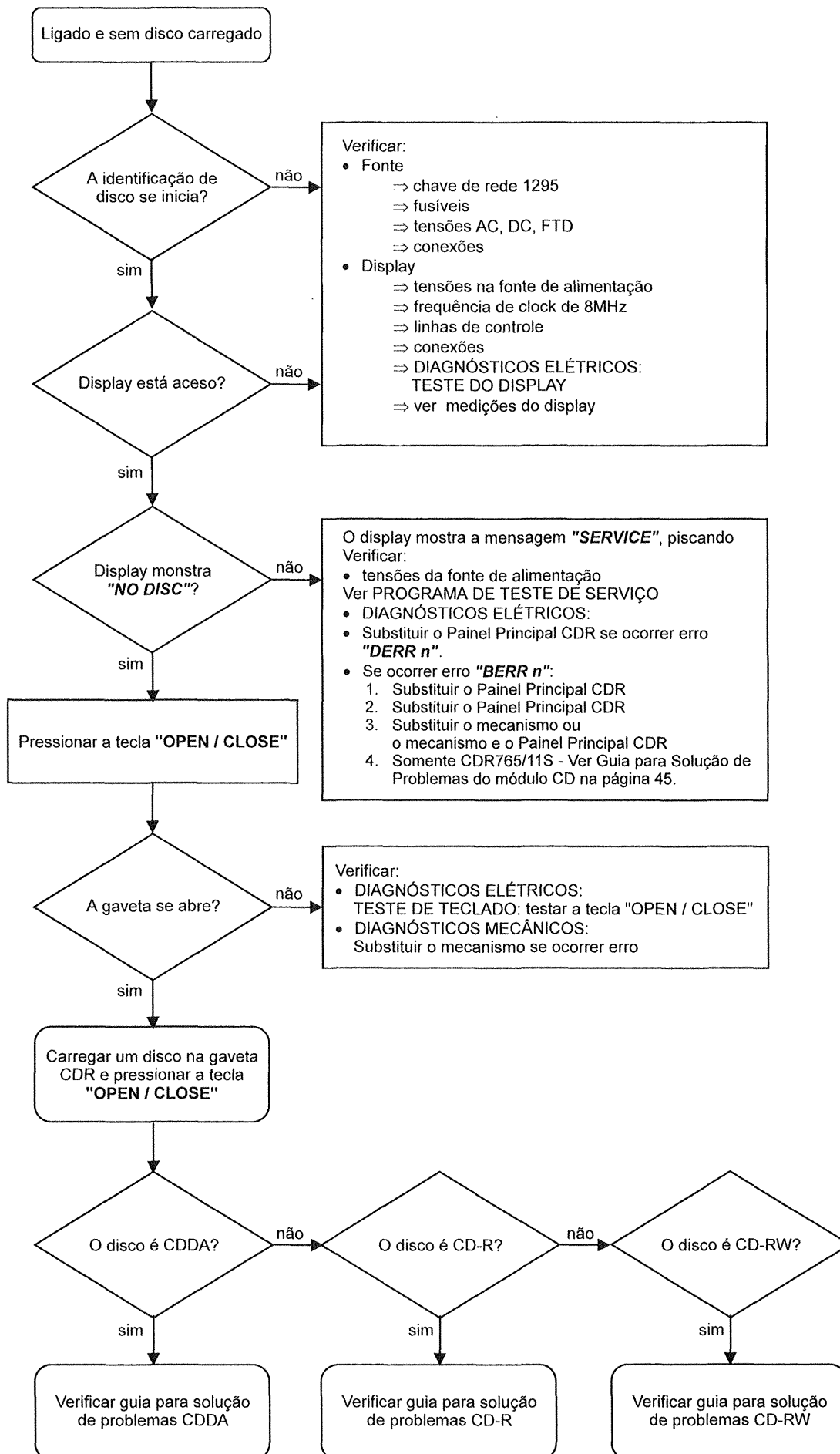
7.1) PROGRAMA DE TESTE DE SERVIÇO (CDR760/11S)



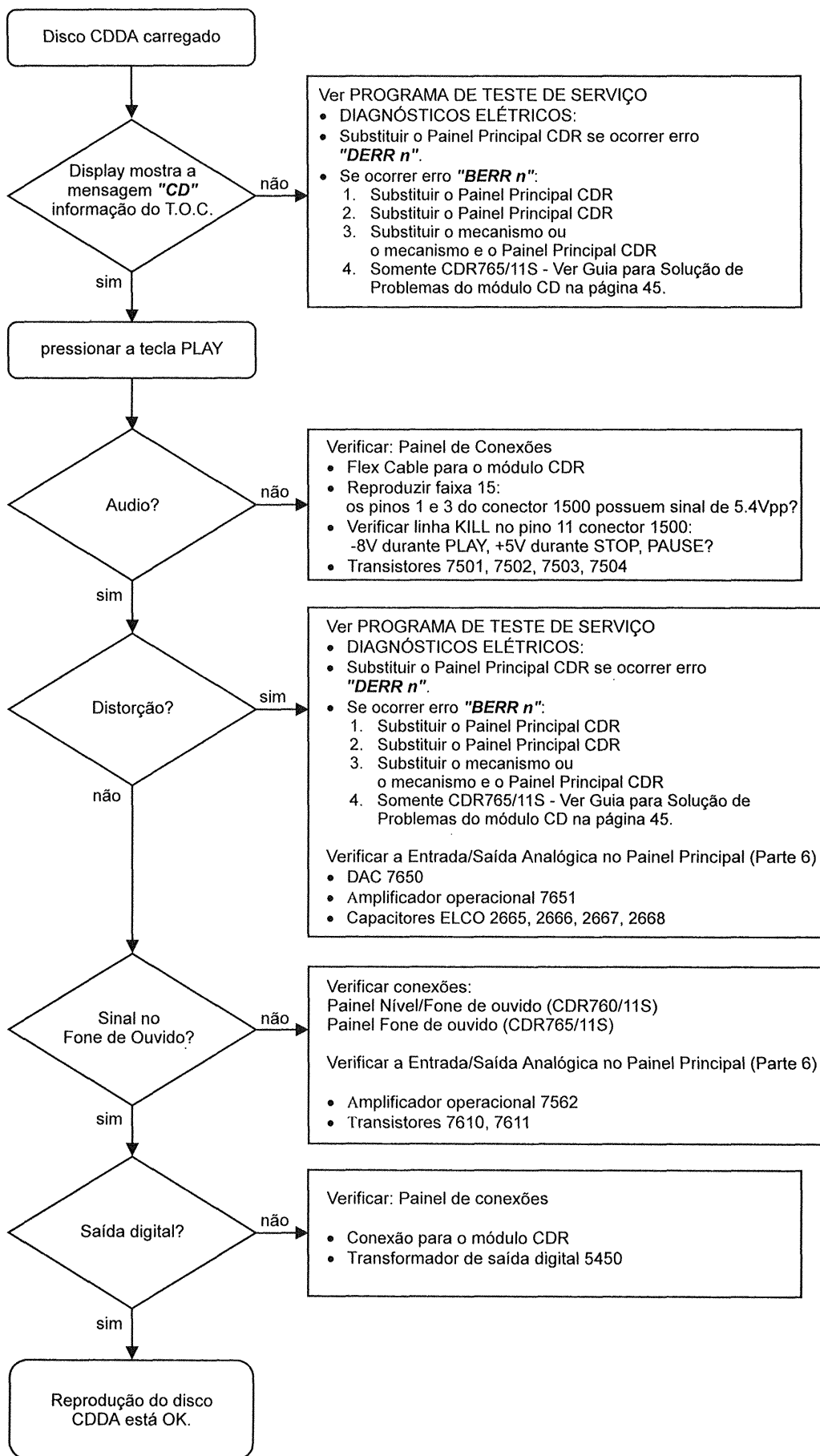
7.2) PROGRAMA DE TESTE DE SERVIÇO (CDR765/11S)



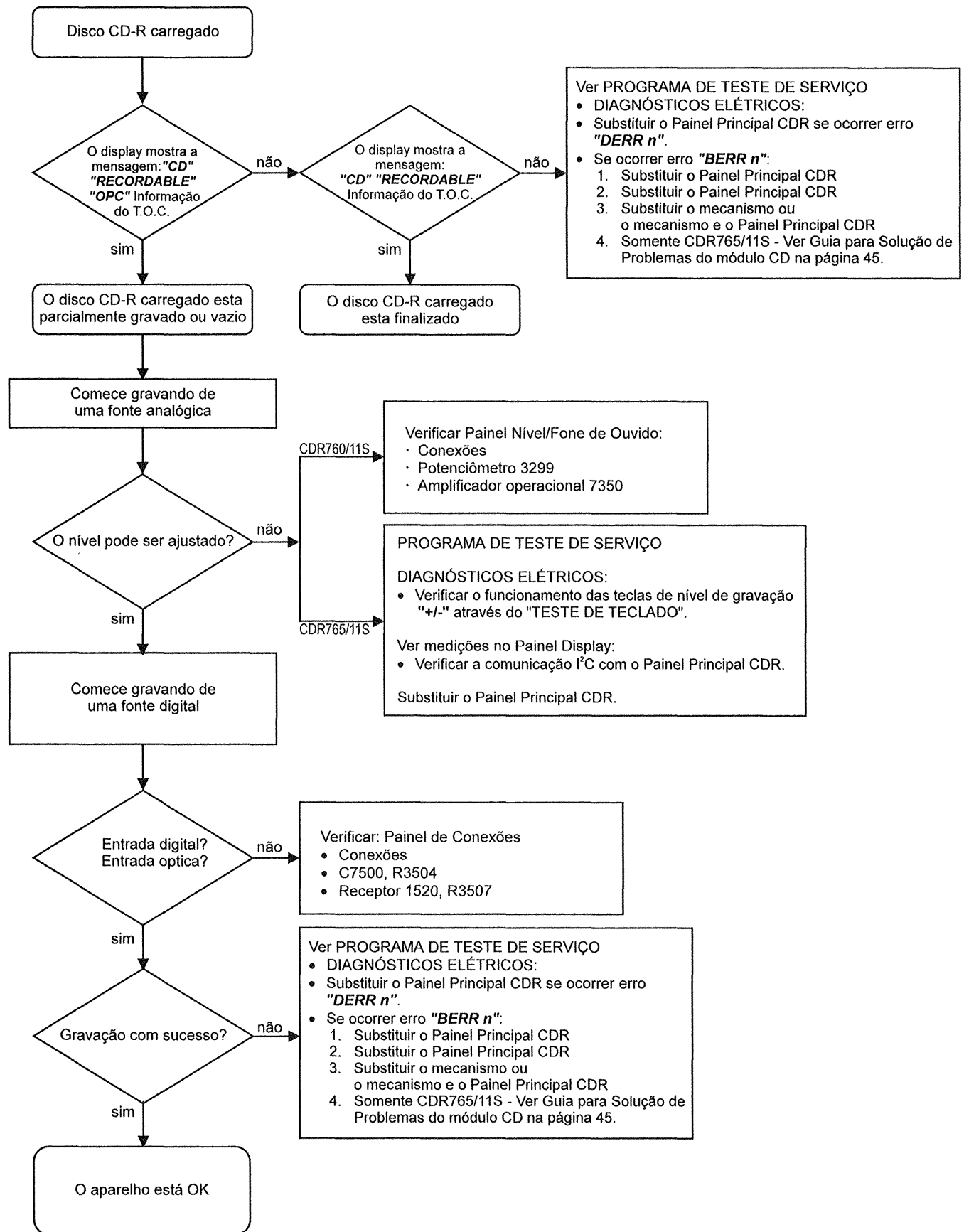
8.1) GUIA PARA SOLUÇÃO DE PROBLEMAS MÓDULO CDR



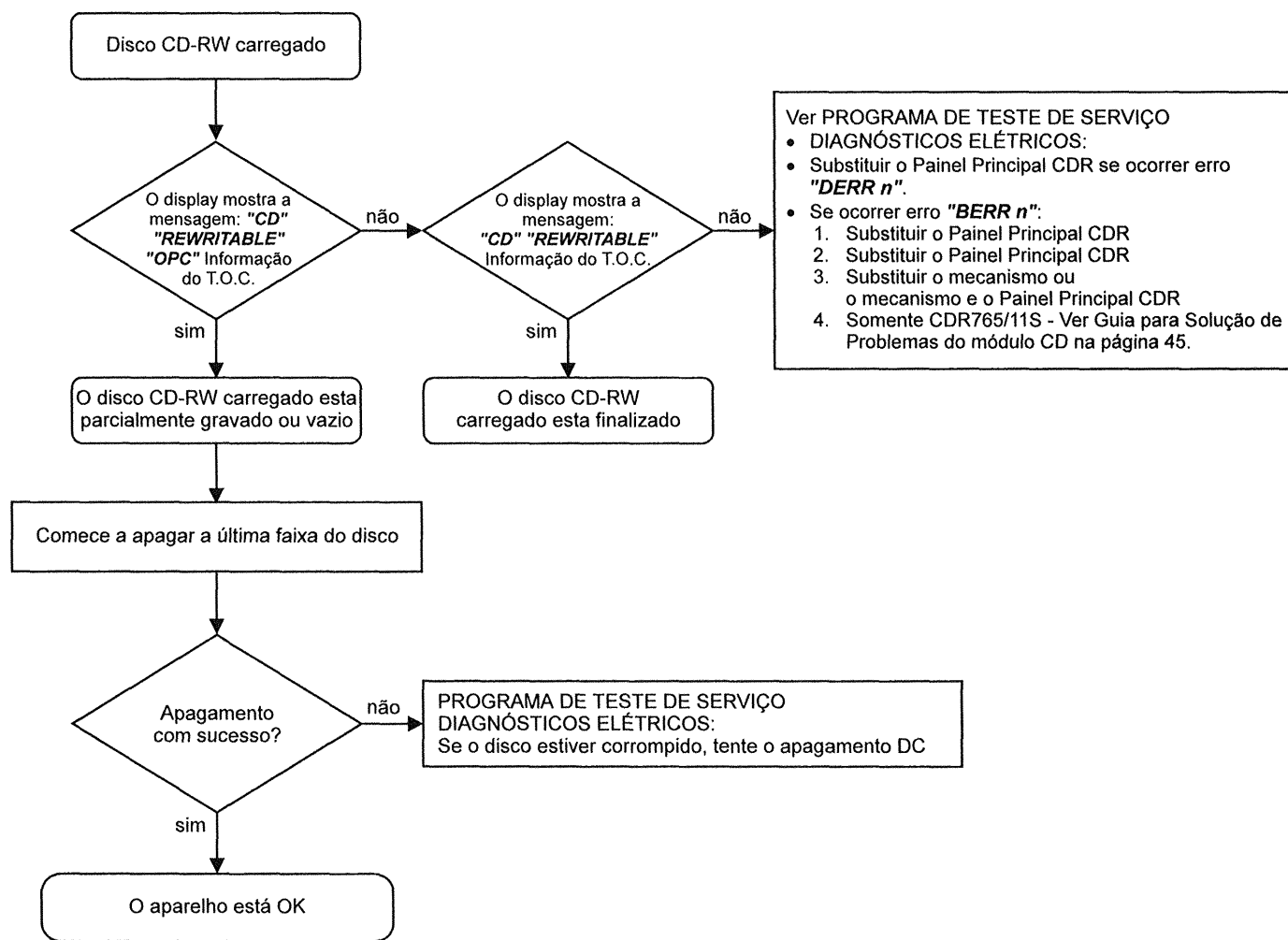
8.2) GUIA PARA SOLUÇÃO DE PROBLEMAS DISCO CDDA



8.3) GUIA PARA SOLUÇÃO DE PROBLEMAS DISCO CD-R



8.4) GUIA PARA SOLUÇÃO DE PROBLEMAS DISCO CD-RW



9.0) Medições no Painel Display

1. Verificação de tensões da fonte.

Valores e limites.

Voltagem	Valor Nominal	Limite
VFTD	-26V	±5%
VDC1-DC2	3.5V	±10%
Vb	5V	±5%

2. Verificação do oscilador.

Verificar a frequência de 8MHz ± 0,5% no pino 8 do controlador de display.

3. Verificação das linhas de controle.

Existem diversas linhas de controle que chegam e saem do controlador de display, estas linhas devem ser verificadas para garantir a funcionalidade básica do aparelho.

RESETN:

Esta linha deve permanecer em nível baixo quando o aparelho é ligado por no mínimo 3 ciclos do mecanismo, com a tensão de alimentação dentro do range de operação e com oscilação estável.

1 ciclo do mecanismo = 12 X 1/Fc (8MHz) Sec.

SDA e SCL:

O nível destas duas linhas deve ser checado. Quando não há comunicação elas devem estar em nível "alto".

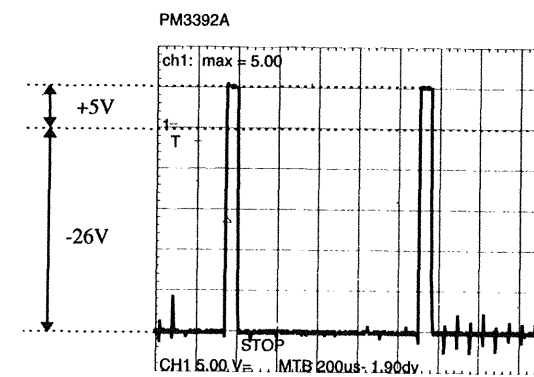
INTERRUPT:

A linha interrupt é uma saída do controlador de display. Verificar se seu nível esta alto após o reset, sem tecla pressionada e nenhum sinal de controle remoto.

Linhas de matriz do teclado:

Verificar se no **I/O PORT 4** (pinos 26 a 33) do controlador de display todos os pinos estão com nível "alto" (nenhuma tecla pressionada). Caso não estejam alto, verificar os respectivos resistores de pull-up.

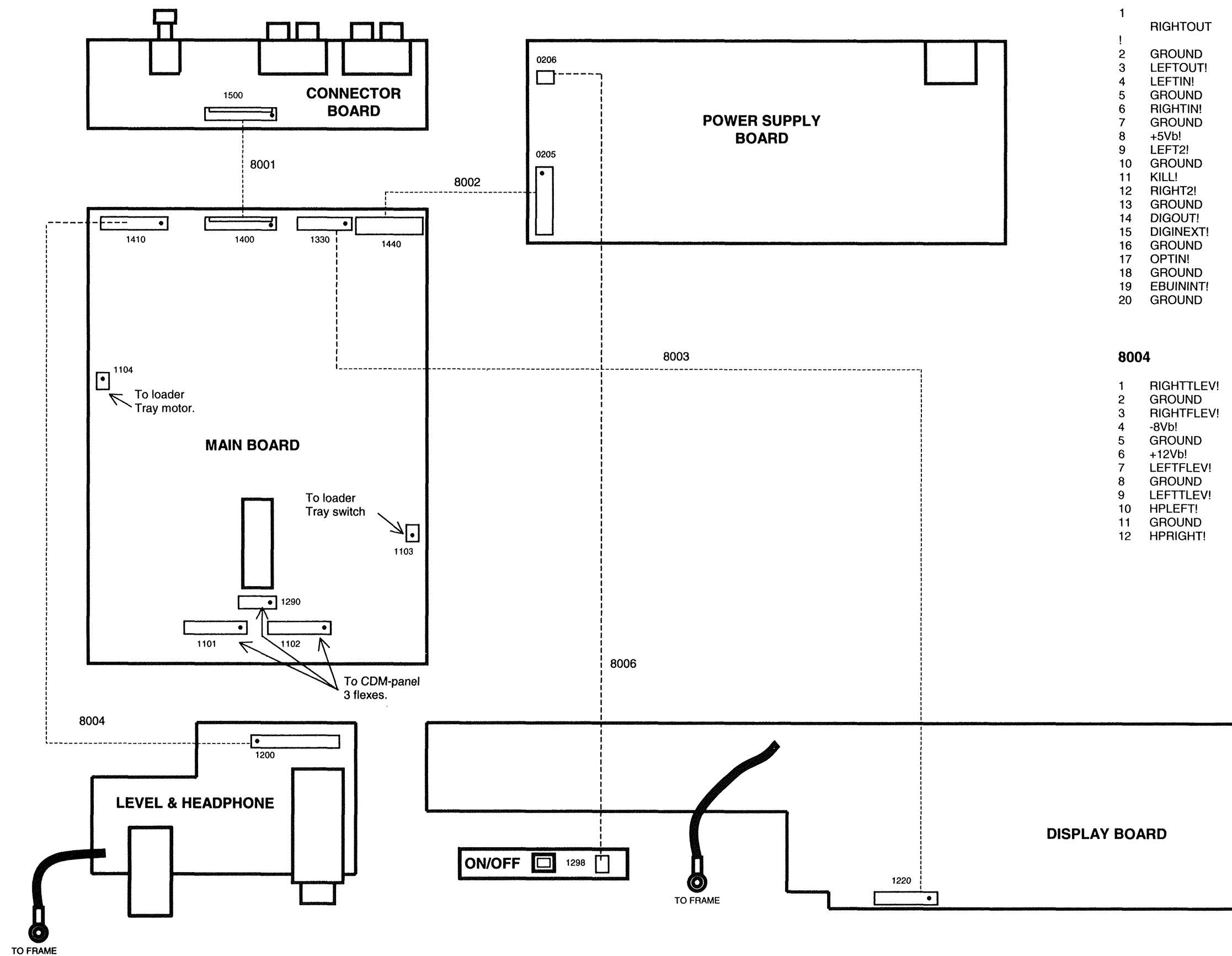
4. Operação das linhas de controle de grade e segmentos.



Esta figura mostra o sinal gerado pelo controlador de display em uma das linhas de grade. O nível na grade varia de -26V a +5V.

As linhas de grade são varridas sucessivamente a cada 950µsec.

10.1) Diagrama de Conexões (CDR760/11S)

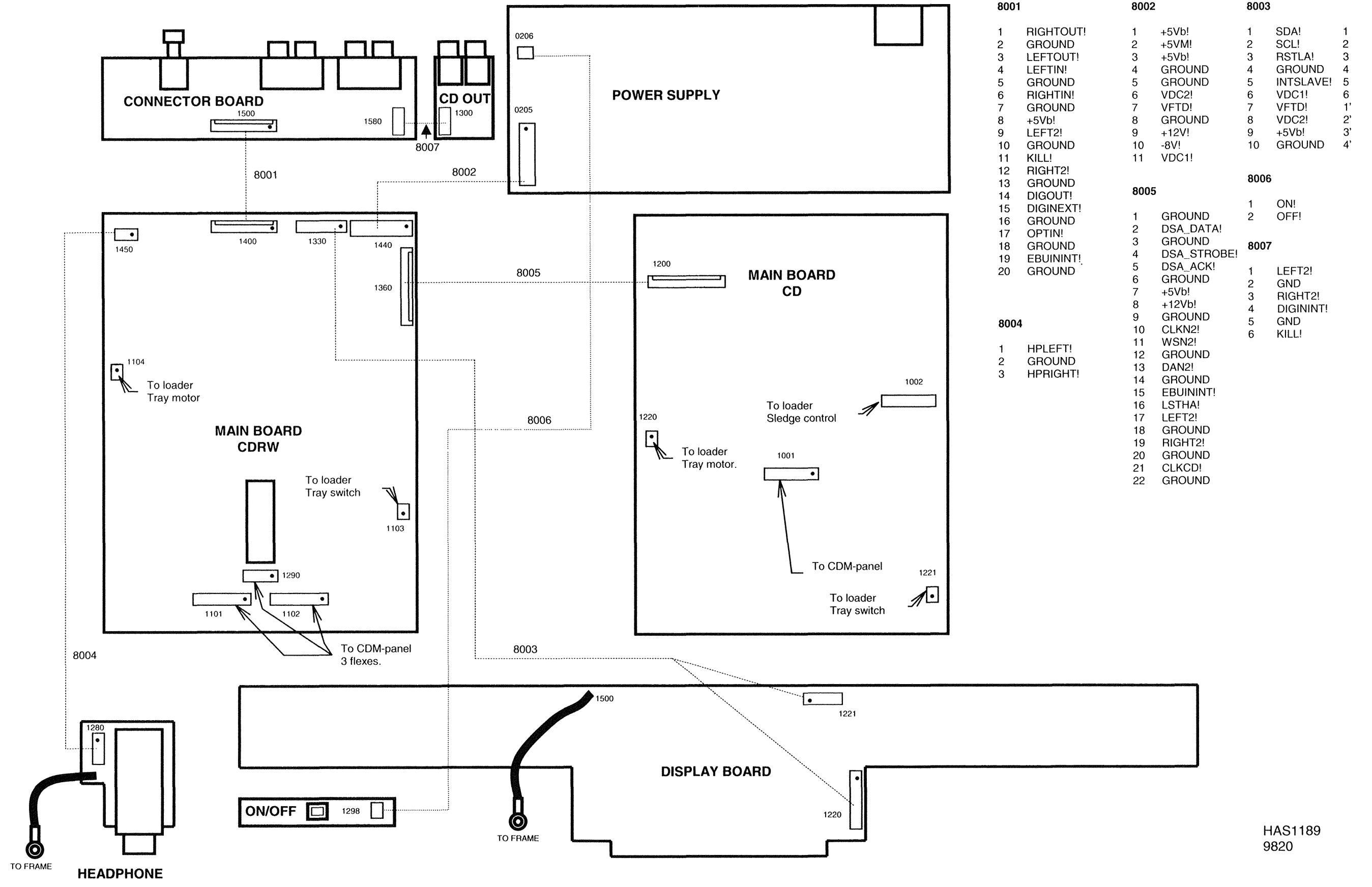


Pin 1 indicated by • All Wires are 1/1.

8001	8002	8003
1	1	1
!	2	2
2	3	3
3	4	4
4	5	5
5	6	6
6	7	7
7	8	8
8	9	9
9	10	10
10	11	
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		

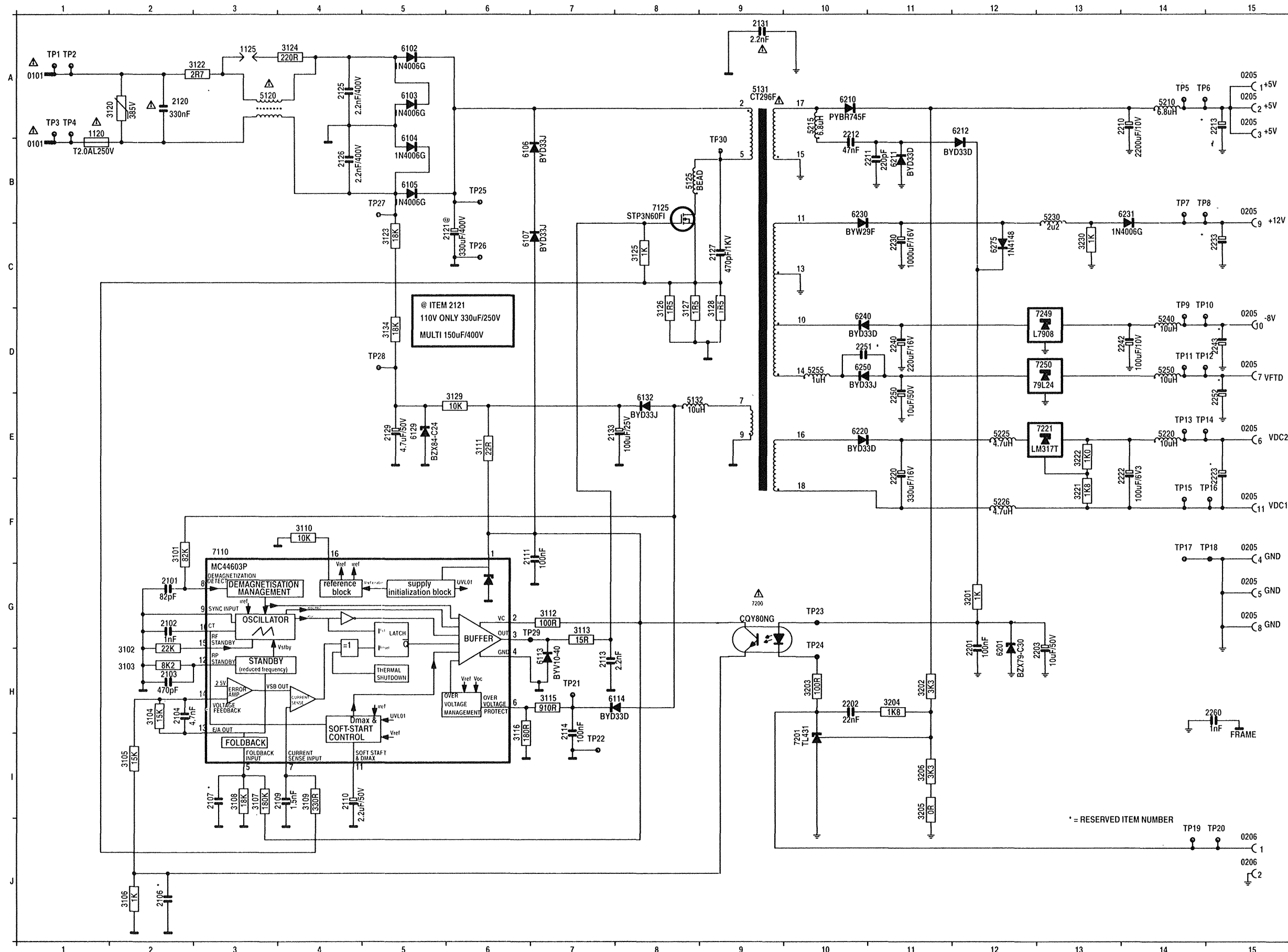
8004	8006
1	1
2	2
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	

10.2) Diagrama de Conexões (CDR765/11S)



HAS1189
9820

11.1) Painel Fonte de Alimentação - Esquema Elétrico

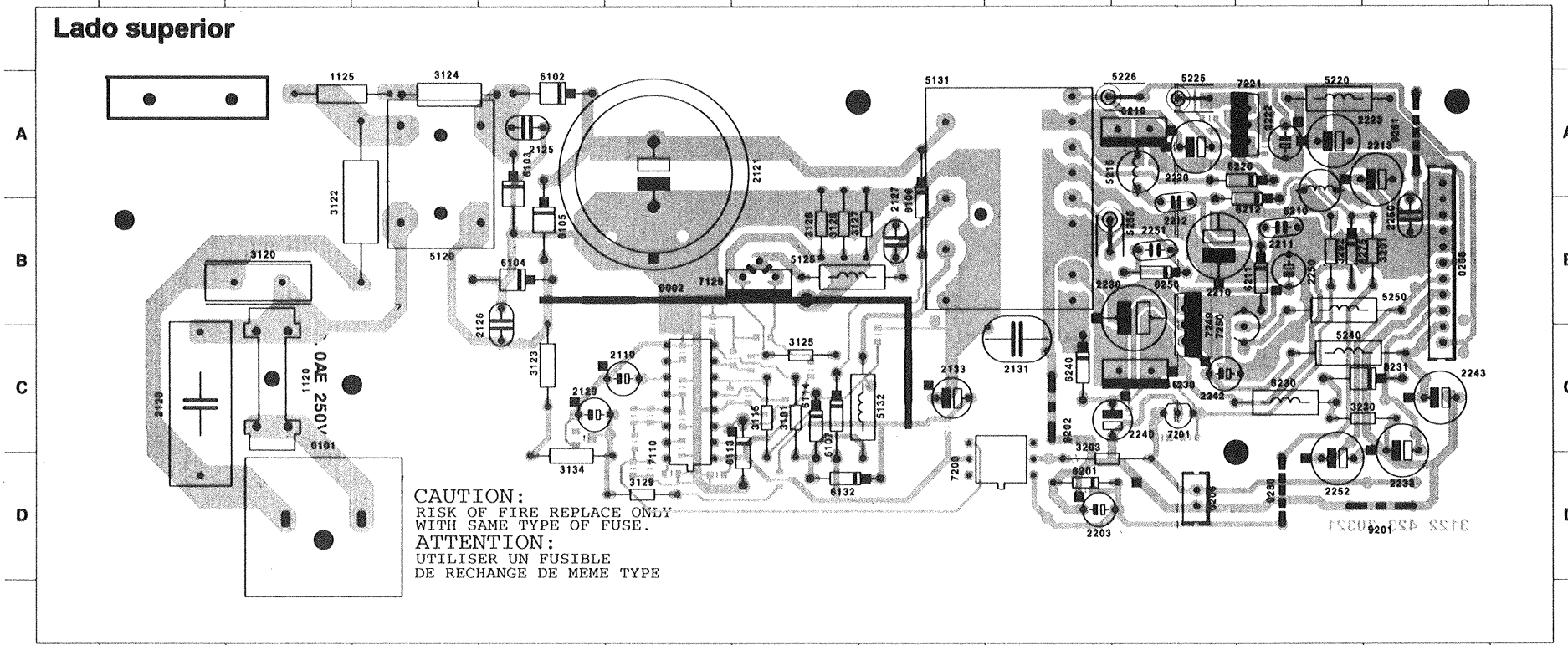


- 0101 A 1
- 0101 B 1
- 0205 A15
- 0205 A15
- 0205 A15
- 0205 A15
- 0205 C12
- 0205 G15
- 0205 E15
- 0205 D15
- 0205 G15
- 0205 D15
- 0205 B15
- 0205 D15
- 0205 F15
- 0206 J15
- 0206 J15
- 1120 A 1
- 1125 A 3
- 2101 G 2
- 2102 G 2
- 2103 H 2
- 2104 H 2
- 2106 J 2
- 2107 I 3
- 2109 I 4
- 2110 I 4
- 2111 F 6
- 2113 H 7
- 2114 H 7
- 2120 A 2
- 2121 C 6
- 2125 A 4
- 2126 A 4
- 2127 C 9
- 2129 E 5
- 2131 A 9
- 2133 E 7
- 2201 G12
- 2202 H10
- 2203 G13
- 2210 A14
- 2211 B11
- 2212 A10
- 2213 A15
- 2220 E11
- 2222 E14
- 2223 E15
- 2230 C11
- 2233 C15
- 2240 D11
- 2242 D14
- 2243 D15
- 2250 D11
- 2251 D10
- 2252 E15
- 2260 H15
- 3101 F 2
- 3102 H 2
- 3102 H 2
- 3104 H 2
- 3105 I 2
- 3106 J 2
- 3107 I 3
- 3108 I 3
- 3109 I 4
- 3110 F 4
- 3111 E 6
- 3112 F 7
- 3113 G 7
- 3115 H 7
- 3116 H 6
- 3120 A 2
- 3122 A 3
- 3123 C 5
- 3124 A 4
- 3125 C 8
- 3126 C 8
- 3127 C 8
- 3128 C 9
- 3129 E 6
- 3134 D 5
- 3201 G12
- 3202 H11
- 3203 H10
- 3204 H11
- 3205 H11
- 3206 H11
- 3221 F13
- 3222 E13
- 3230 C13
- 5120 A 3
- 5125 B 8
- 5131 A 9
- 5132 E 8
- 5210 A14
- 5215 A10
- 5220 E14
- 5225 E12
- 5226 F12
- 5230 B13
- 5240 D14
- 5250 D14
- 5255 D10
- 6102 A 5
- 6103 A 5
- 6104 B 5
- 6105 B 5
- 6106 B 6
- 6107 C 6
- 6113 H 7
- 6114 H 8
- 6129 E 5
- 6132 E 8
- 6201 G12
- 6210 A10
- 6211 B11
- 6212 A12
- 6220 E10
- 6230 B10
- 6231 B14
- 6240 D10
- 6250 D10
- 7110 F 3
- 7125 B 8
- 7200 G 9
- 7201 I10
- 7221 E13
- 7249 D13
- 7250 D13

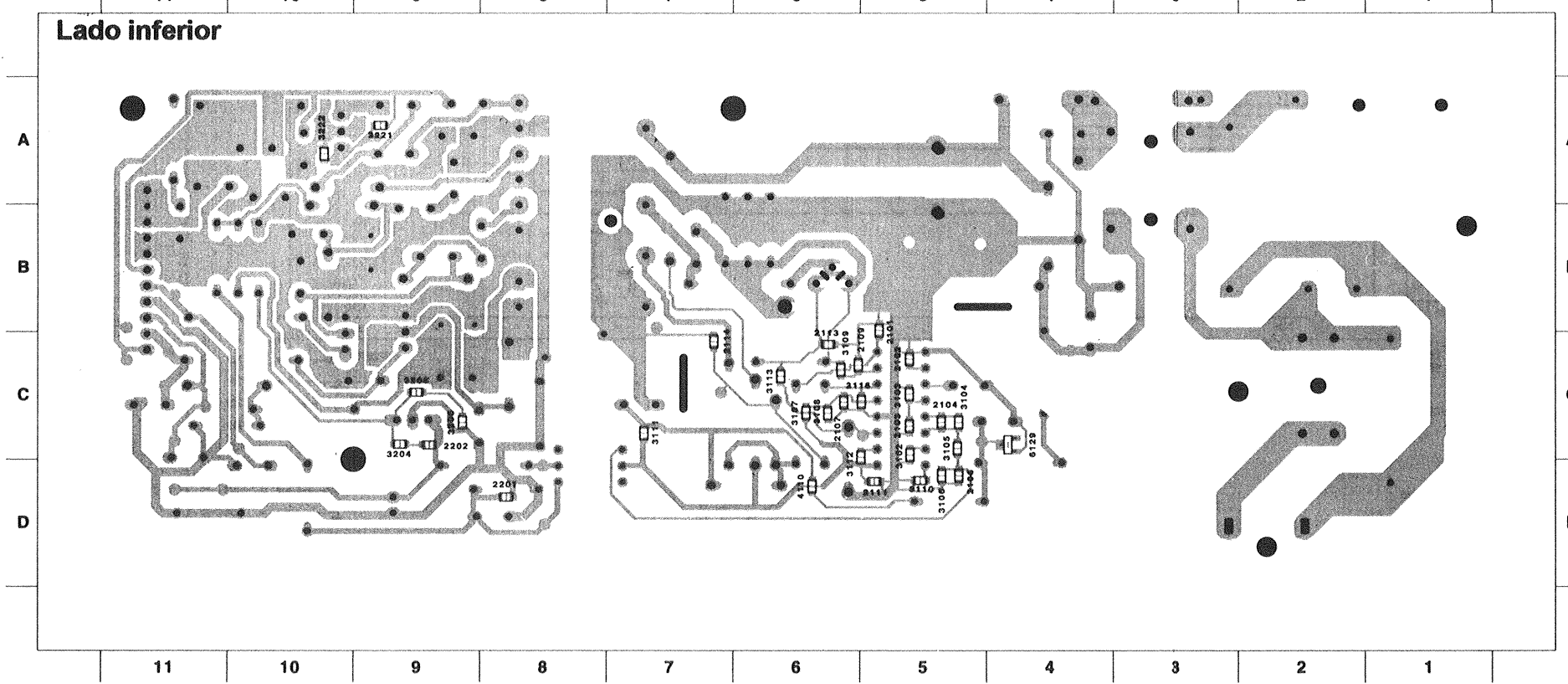
* = RESERVED ITEM NUMBER

11.2) Painel Fonte de Alimentação - Layout

0002 B 6	1125 A 2	2126 B 4	2203 D 8	2220 A 9	2240 C 9	2252 D 10	3122 B 3	3127 B 7	3202 B 10	5131 B 8	5225 A 9	5255 B 8	6106 B 7	6201 D 8	6230 C 9	7110 C 5	7249 C 9	9280 D 10
0101 D 2	2110 C 5	2127 B 7	2210 B 9	2222 A 10	2242 C 9	2260 B 11	3123 C 4	3128 B 6	3203 D 8	5132 C 7	5226 A 9	6102 A 4	6107 C 6	6210 A 9	6231 C 10	7125 B 4	7250 C 10	
0205 B 11	2120 C 1	2129 C 4	2211 B 10	2223 A 10	2243 C 11	3101 C 6	3124 A 3	3129 D 5	3230 C 10	5210 A 10	5230 C 10	6103 A 4	6113 D 6	6211 B 10	6240 C 8	7200 D 4	9201 D 11	
0208 D 11	2121 A 5	2131 C 8	2212 D 9	2230 B 9	2250 B 10	3115 C 6	3125 C 6	3134 D 4	5120 A 3	5215 A 9	5240 C 10	6104 B 4	6114 C 6	6212 B 10	6250 B 9	7201 C 4	9202 C 8	
1120 C 2	2125 A 4	2133 C 7	2213 A 11	2233 C 11	2251 B 9	3120 D 2	3126 D 6	3201 D 11	5125 D 6	5220 A 10	5250 B 10	6105 B 4	6132 D 6	6220 A 10	6275 B 10	7221 A 10	9261 A 11	

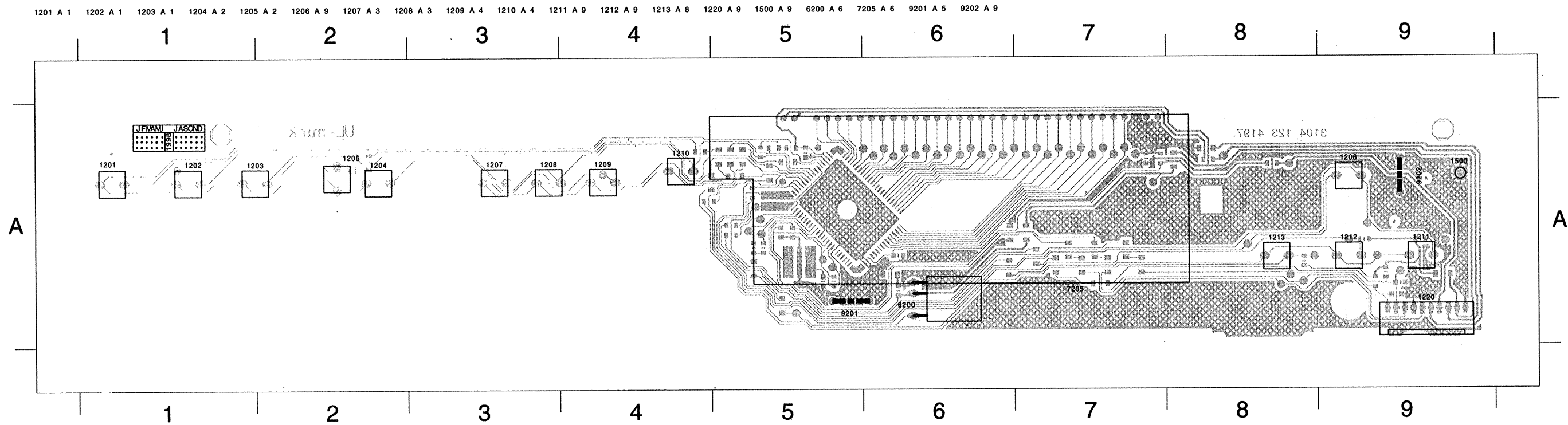


2101 B 5	2104 C 5	2109 C 6	2114 C 7	3102 C 5	3105 C 5	3108 C 6	3111 C 7	3116 C 5	3206 C 9	4110 D 6	TP2 D 2	TP5 B 11	TP6 C 11	TP1 C 10	TP14 A 11	TP17 B 11	TP20 D 11	TP23 D 8	TP26 B 5	TP29 C 5
2102 C 5	2106 D 5	2111 D 5	2201 D 8	3103 C 5	3106 D 5	3109 C 6	3112 C 8	3204 C 9	3221 A 9	6129 C 4	TP3 D 3	TP8 A 11	TP9 C 11	TP12 B 11	TP15 B 11	TP18 B 11	TP21 C 7	TP24 D 8	TP27 C 4	TP30 B 7
2103 C 5	2107 C 6	2113 C 6	2202 C 9	3104 C 5	3107 C 6	3110 D 5	3113 C 6	3205 C 9	3222 A 10	TP1 D 2	TP4 C 2	TP7 C 11	TP10 C 11	TP13 A 10	TP16 C 11	TP19 D 11	TP22 B 7	TP25 A 5	TP28 C 5	

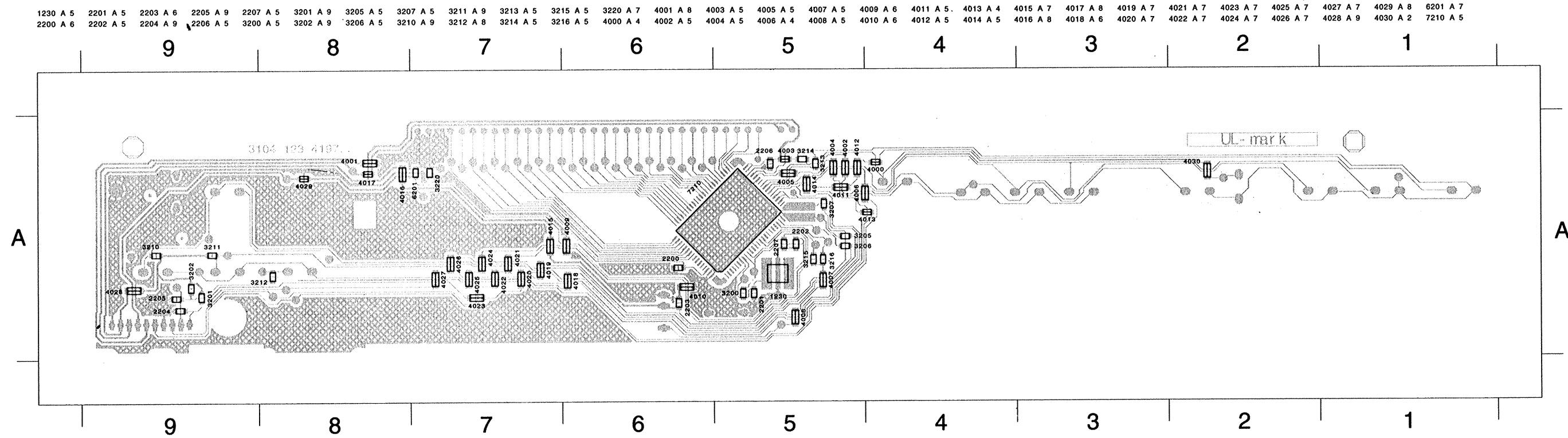


12.2) Painel Display - Layout (CDR760/11S)

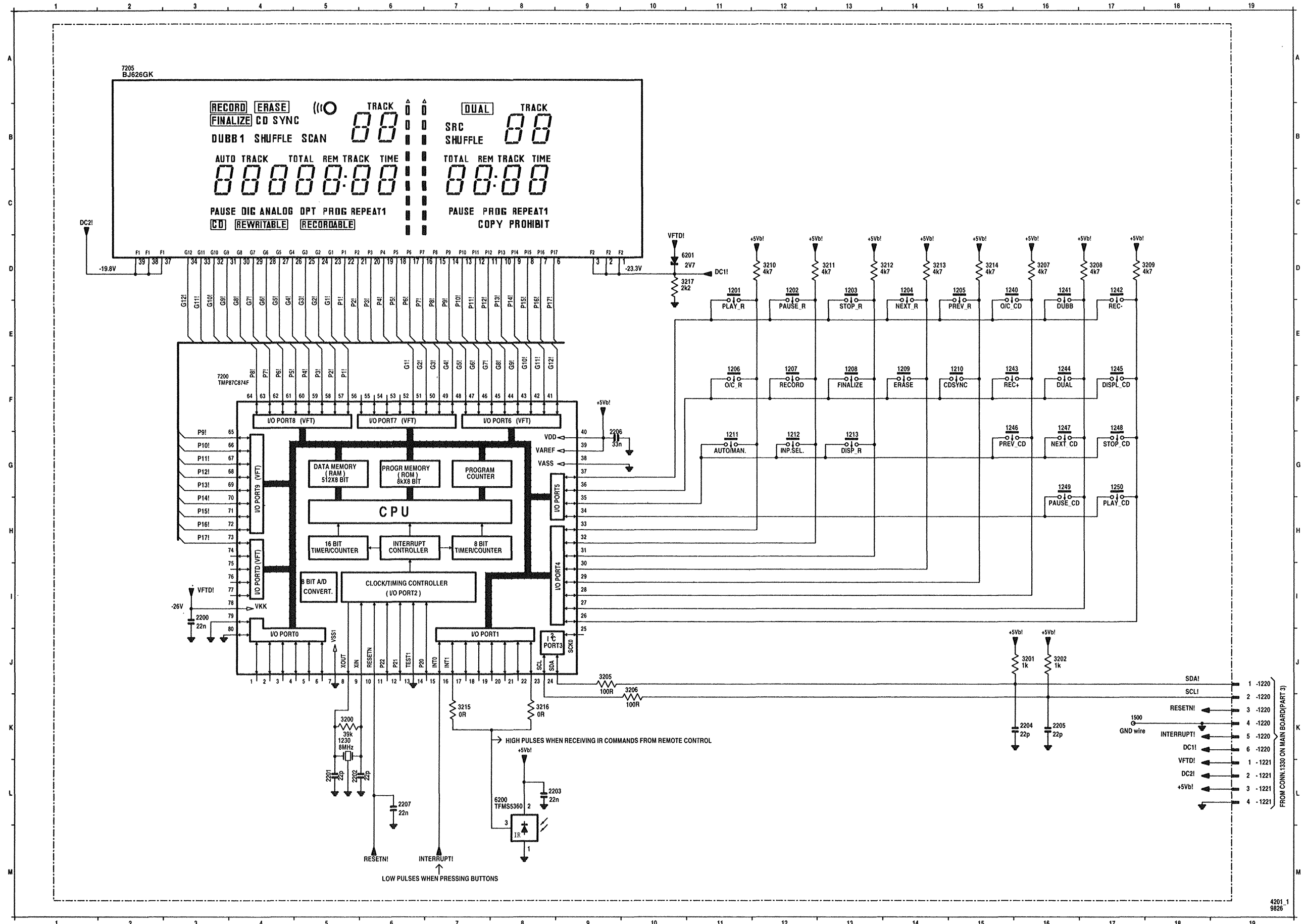
Lado superior



Lado inferior



12.3) Painel Display - Esquema Elétrico (CDR765/11S)

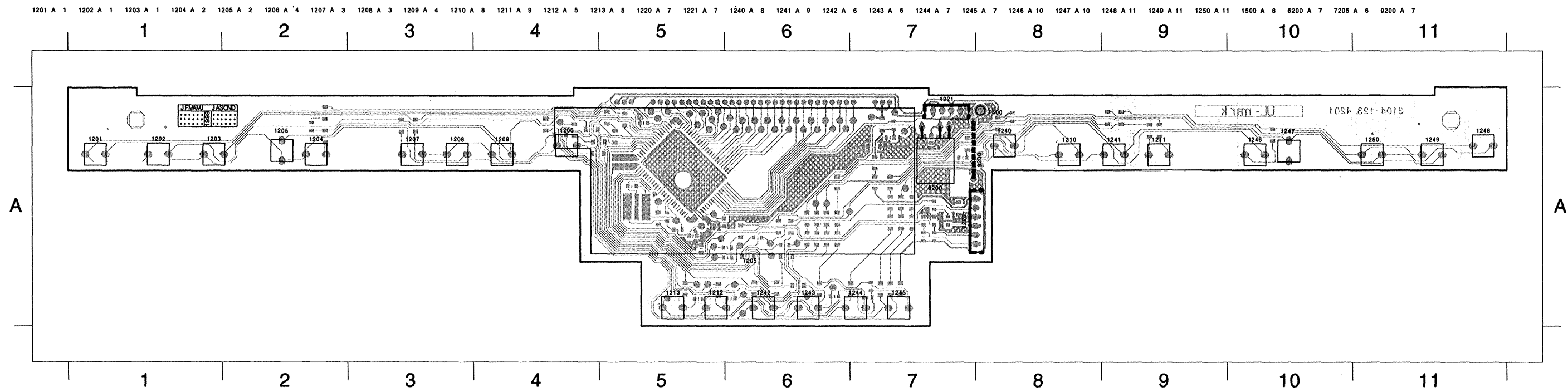


- 1201 D11
- 1202 D12
- 1203 D13
- 1204 D14
- 1205 D15
- 1206 F1
- 1207 F12
- 1208 F13
- 1209 F14
- 1210 F15
- 1211 G11
- 1212 G12
- 1213 G13
- 1220 J19
- 1220 K19
- 1220 K19
- 1220 K19
- 1221 L19
- 1221 L19
- 1221 L19
- 1221 L19
- 1230 K 5
- 1240 D15
- 1241 D16
- 1242 D17
- 1243 F15
- 1244 F16
- 1245 F17
- 1246 F15
- 1247 F16
- 1248 F17
- 1249 G16
- 1250 G17
- 1500 K17
- 2200 L3
- 2201 L 5
- 2202 L 5
- 2203 L 9
- 2204 K16
- 2205 K16
- 2206 G 9
- 2207 L 6
- 3200 K 5
- 3201 J16
- 3202 J16
- 3205 J 9
- 3206 J10
- 3207 D16
- 3208 D17
- 3209 D18
- 3210 D12
- 3211 D13
- 3212 D14
- 3213 D14
- 3214 D15
- 3215 K 7
- 3216 K 8
- 6200 L 8
- 7200 F 3
- 7205 A 2

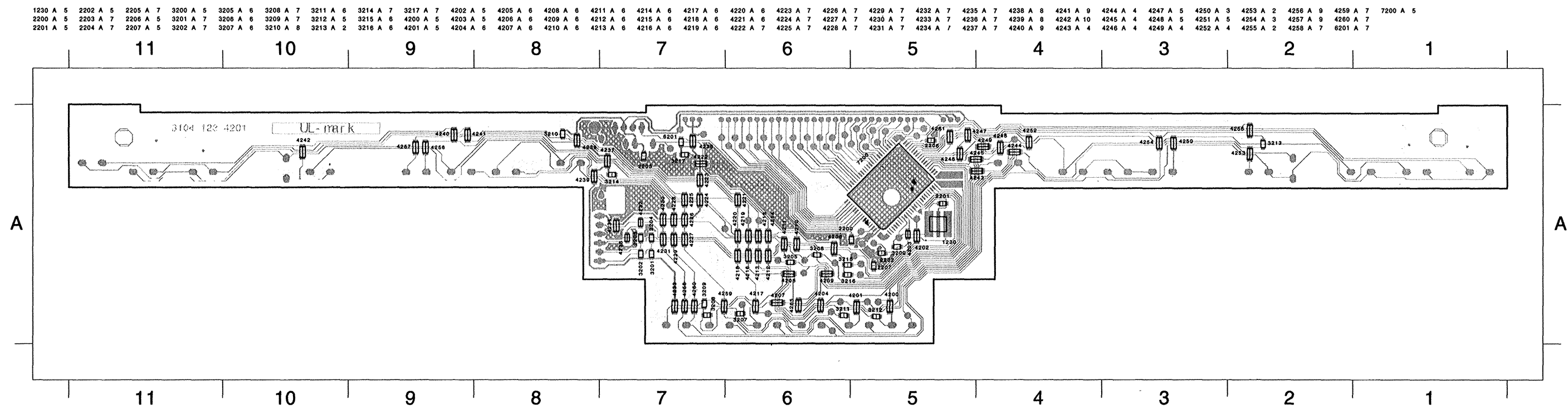
FROM CONN. 1380 ON MAIN BOARD(PART 3)

12.4) Painel Display - Layout (CDR765/11S)

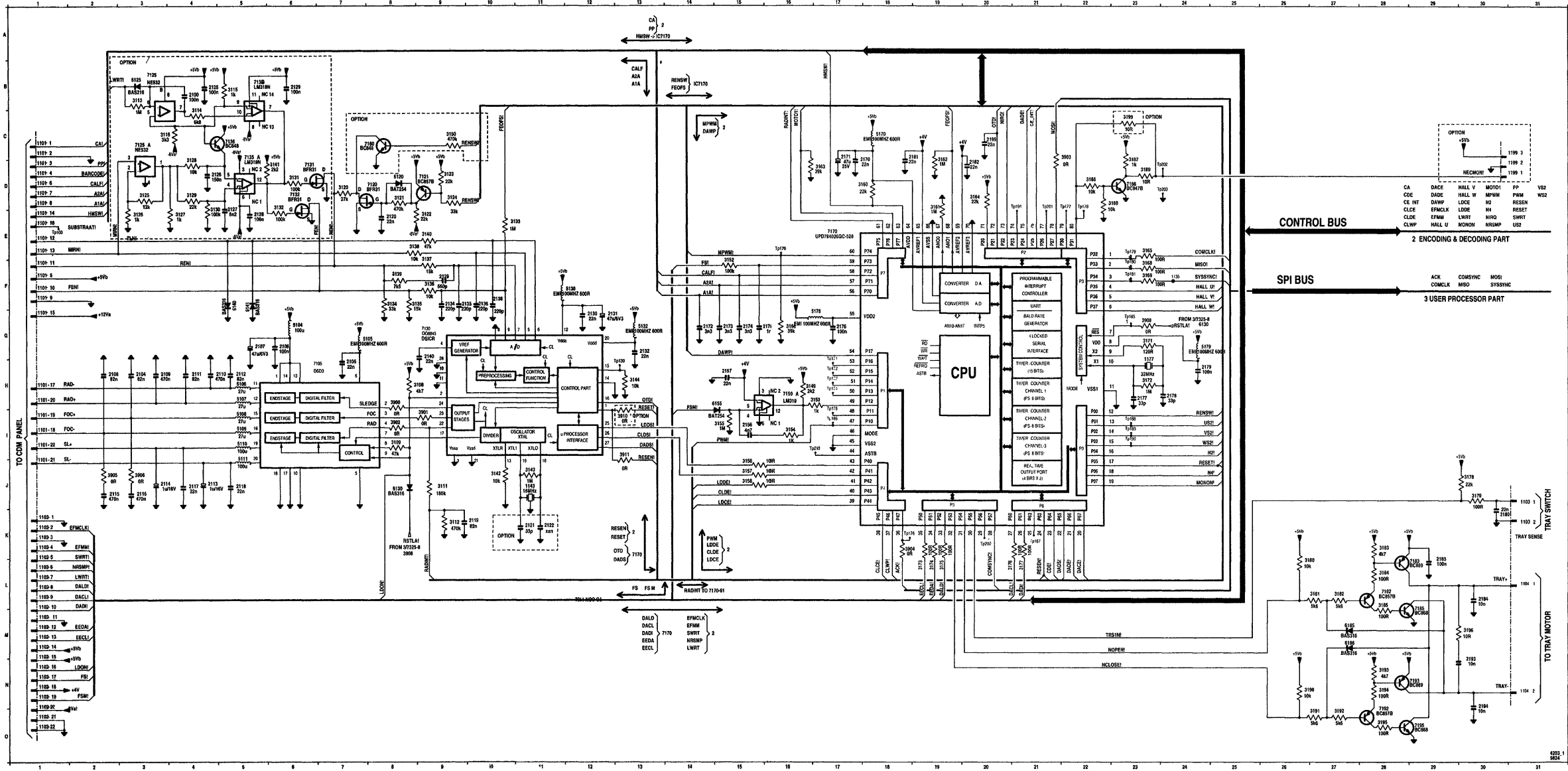
Lado superior



Lado inferior

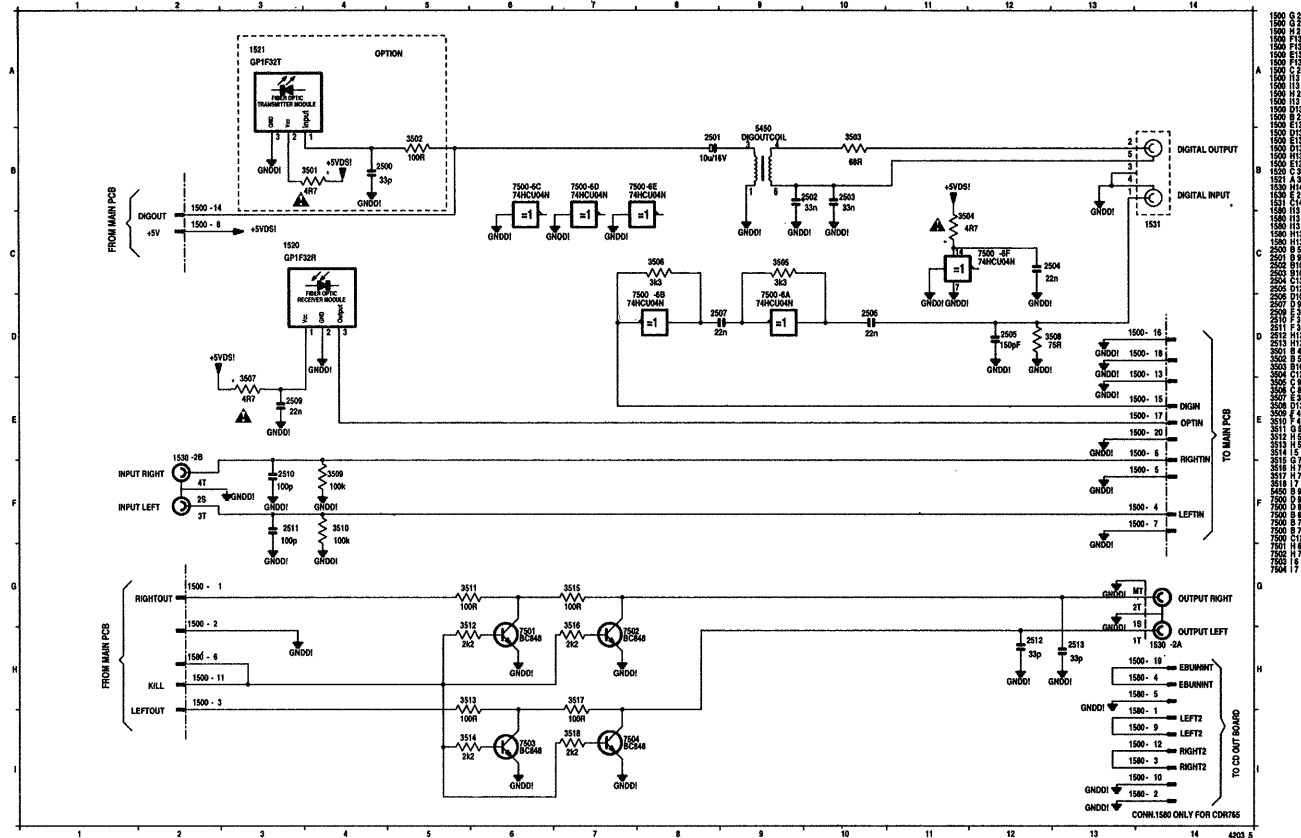


17.1) Painel Principal CDR - Esquema Elétrico
1. SERVO

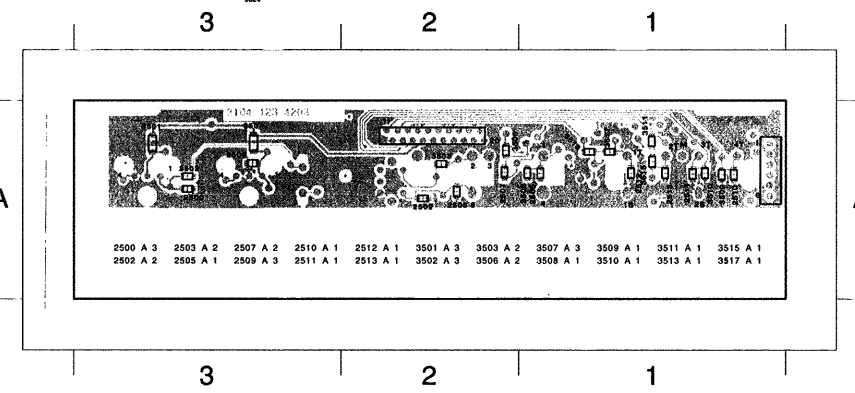
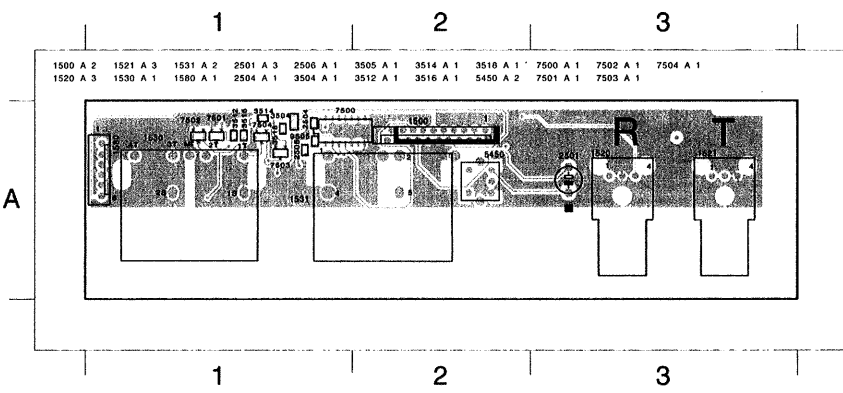


1100 C1	3123 L19
1100 C2	3124 L19
1100 C3	3125 L19
1100 C4	3126 L19
1100 C5	3127 L19
1100 C6	3128 L19
1100 C7	3129 L19
1100 C8	3130 L19
1100 C9	3131 L19
1100 C10	3132 L19
1100 C11	3133 L19
1100 C12	3134 L19
1100 C13	3135 L19
1100 C14	3136 L19
1100 C15	3137 L19
1100 C16	3138 L19
1100 C17	3139 L19
1100 C18	3140 L19
1100 C19	3141 L19
1100 C20	3142 L19
1100 C21	3143 L19
1100 C22	3144 L19
1100 C23	3145 L19
1100 C24	3146 L19
1100 C25	3147 L19
1100 C26	3148 L19
1100 C27	3149 L19
1100 C28	3150 L19
1100 C29	3151 L19
1100 C30	3152 L19
1100 C31	3153 L19
1100 C32	3154 L19
1100 C33	3155 L19
1100 C34	3156 L19
1100 C35	3157 L19
1100 C36	3158 L19
1100 C37	3159 L19
1100 C38	3160 L19
1100 C39	3161 L19
1100 C40	3162 L19
1100 C41	3163 L19
1100 C42	3164 L19
1100 C43	3165 L19
1100 C44	3166 L19
1100 C45	3167 L19
1100 C46	3168 L19
1100 C47	3169 L19
1100 C48	3170 L19
1100 C49	3171 L19
1100 C50	3172 L19
1100 C51	3173 L19
1100 C52	3174 L19
1100 C53	3175 L19
1100 C54	3176 L19
1100 C55	3177 L19
1100 C56	3178 L19
1100 C57	3179 L19
1100 C58	3180 L19
1100 C59	3181 L19
1100 C60	3182 L19
1100 C61	3183 L19
1100 C62	3184 L19
1100 C63	3185 L19
1100 C64	3186 L19
1100 C65	3187 L19
1100 C66	3188 L19
1100 C67	3189 L19
1100 C68	3190 L19
1100 C69	3191 L19
1100 C70	3192 L19
1100 C71	3193 L19
1100 C72	3194 L19
1100 C73	3195 L19
1100 C74	3196 L19
1100 C75	3197 L19
1100 C76	3198 L19
1100 C77	3199 L19
1100 C78	3200 L19
1100 C79	3201 L19
1100 C80	3202 L19
1100 C81	3203 L19
1100 C82	3204 L19
1100 C83	3205 L19
1100 C84	3206 L19
1100 C85	3207 L19
1100 C86	3208 L19
1100 C87	3209 L19
1100 C88	3210 L19
1100 C89	3211 L19
1100 C90	3212 L19

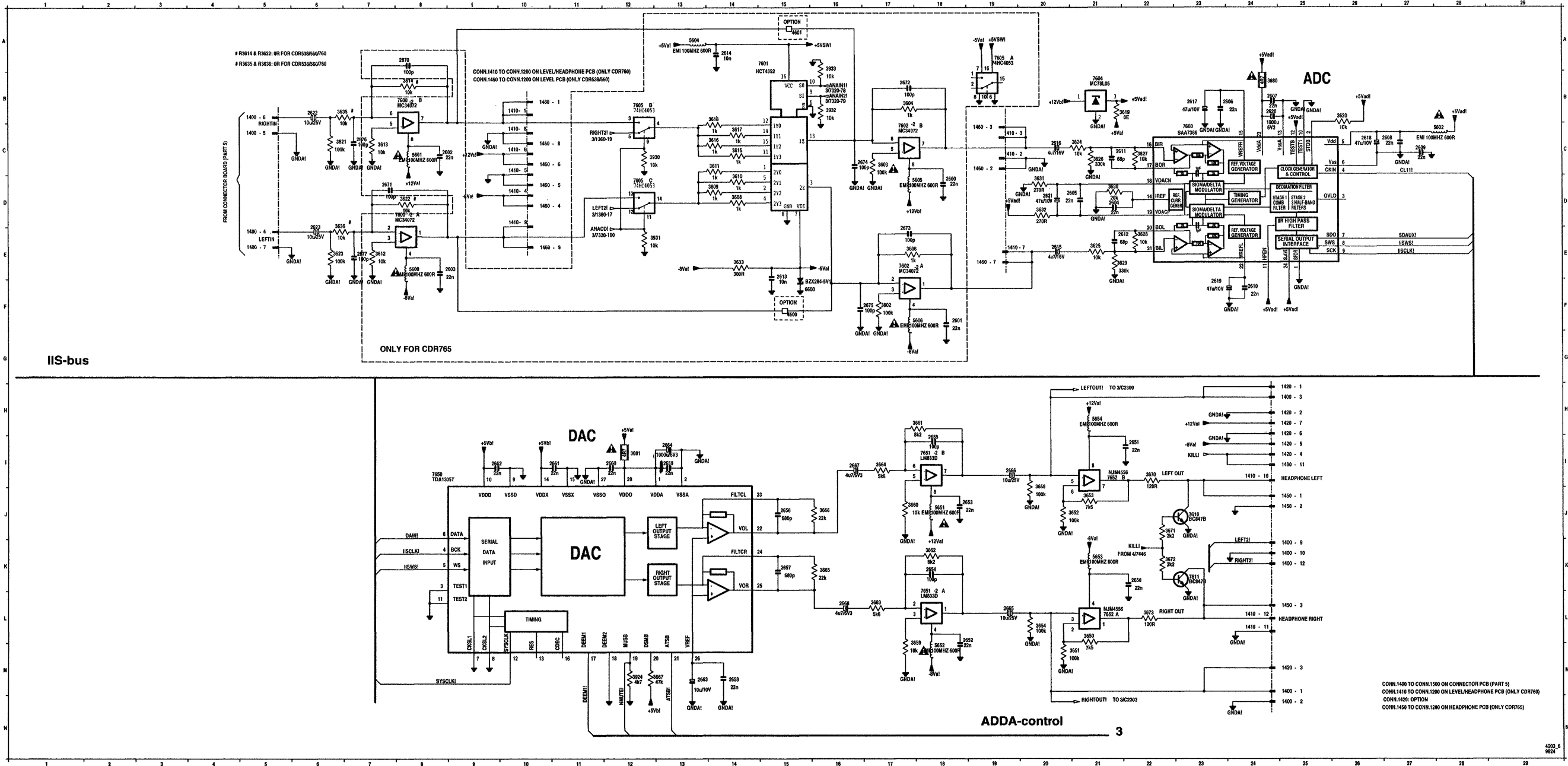
17.5) Painel Principal CDR - Esquema Elétrico
5. CONEXÕES



- 1500 G 2
- 1500 H 2
- 1500 M 2
- 1500 P 2
- 1500 R 2
- 1500 S 2
- 1500 T 2
- 1500 U 2
- 1500 V 2
- 1500 W 2
- 1500 X 2
- 1500 Y 2
- 1500 Z 2
- 1500 A 3
- 1500 B 3
- 1500 C 3
- 1500 D 3
- 1500 E 3
- 1500 F 3
- 1500 G 3
- 1500 H 3
- 1500 I 3
- 1500 J 3
- 1500 K 3
- 1500 L 3
- 1500 M 3
- 1500 N 3
- 1500 O 3
- 1500 P 3
- 1500 Q 3
- 1500 R 3
- 1500 S 3
- 1500 T 3
- 1500 U 3
- 1500 V 3
- 1500 W 3
- 1500 X 3
- 1500 Y 3
- 1500 Z 3
- 1500 A 4
- 1500 B 4
- 1500 C 4
- 1500 D 4
- 1500 E 4
- 1500 F 4
- 1500 G 4
- 1500 H 4
- 1500 I 4
- 1500 J 4
- 1500 K 4
- 1500 L 4
- 1500 M 4
- 1500 N 4
- 1500 O 4
- 1500 P 4
- 1500 Q 4
- 1500 R 4
- 1500 S 4
- 1500 T 4
- 1500 U 4
- 1500 V 4
- 1500 W 4
- 1500 X 4
- 1500 Y 4
- 1500 Z 4
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- 1500 I 5
- 1500 J 5
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- 1500 U 6
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- 1500 Q 7
- 1500 R 7
- 1500 S 7
- 1500 T 7
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- 1500 W 7
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- 1500 Y 7
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- 1500 C 8
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- 1500 C 9
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- 1500 F 9
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- 1500 Y 9
- 1500 Z 9
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- 1500 C 10
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- 1500 P 14
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- 1500 Z 14

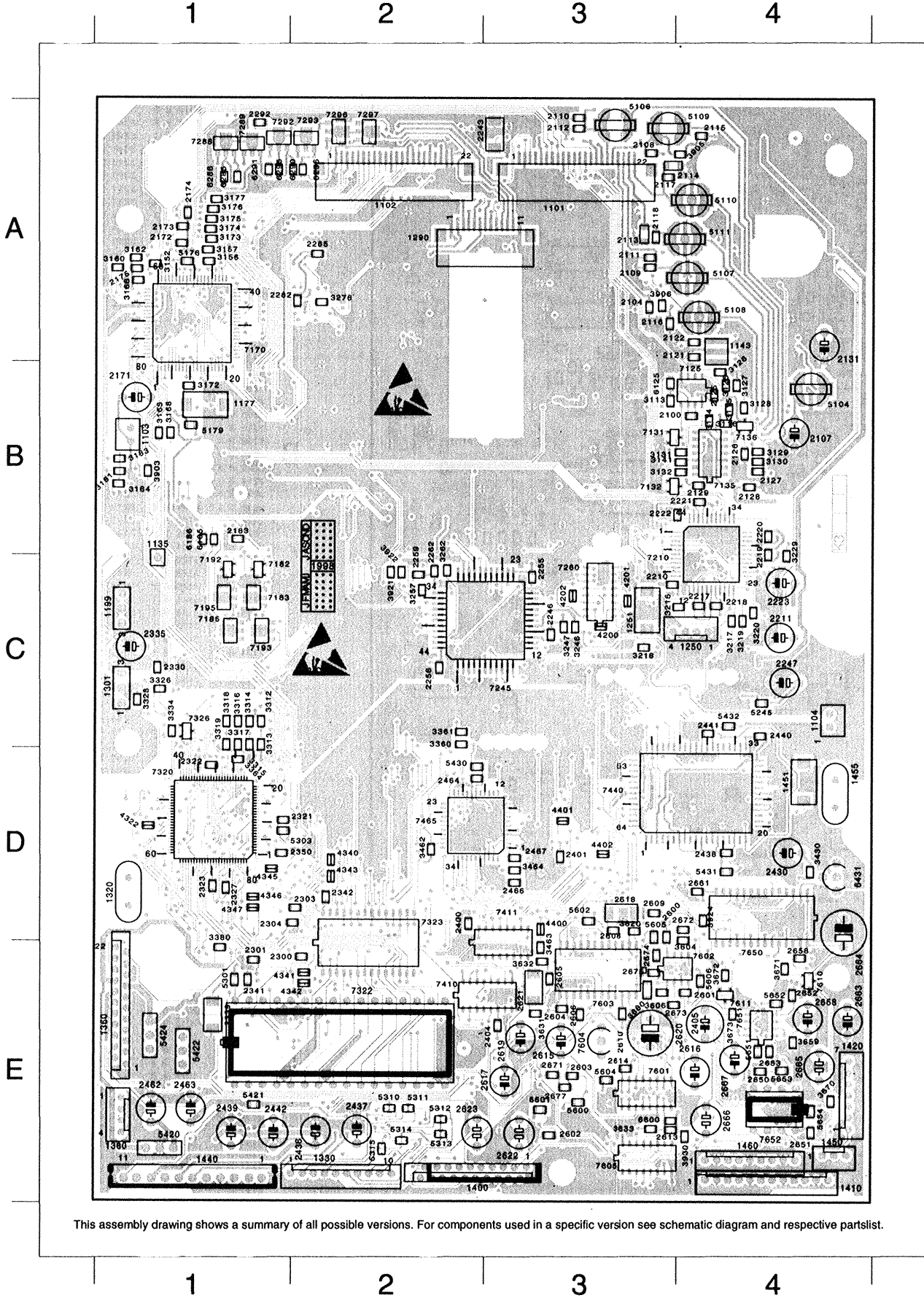


17.6) Painel Principal CDR - Esquema Elétrico
6. ENTRADA/SAÍDA ANALÓGICA



1400	H24	5601	C 8
1400	H25	5602	C 28
1400	H26	5603	A 18
1400	H27	5604	D 18
1400	H28	5605	F 18
1400	H29	5606	J 18
1400	H30	5607	L 18
1400	H31	5608	N 18
1400	H32	5609	P 18
1400	H33	5610	R 18
1400	H34	5611	T 18
1400	H35	5612	V 18
1400	H36	5613	X 18
1400	H37	5614	Z 18
1400	H38	5615	AA 18
1400	H39	5616	AB 18
1400	H40	5617	AC 18
1400	H41	5618	AD 18
1400	H42	5619	AE 18
1400	H43	5620	AF 18
1400	H44	5621	AG 18
1400	H45	5622	AH 18
1400	H46	5623	AI 18
1400	H47	5624	AJ 18
1400	H48	5625	AK 18
1400	H49	5626	AL 18
1400	H50	5627	AM 18
1400	H51	5628	AN 18
1400	H52	5629	AO 18
1400	H53	5630	AP 18
1400	H54	5631	AQ 18
1400	H55	5632	AR 18
1400	H56	5633	AS 18
1400	H57	5634	AT 18
1400	H58	5635	AU 18
1400	H59	5636	AV 18
1400	H60	5637	AW 18
1400	H61	5638	AX 18
1400	H62	5639	AY 18
1400	H63	5640	AZ 18
1400	H64	5641	BA 18
1400	H65	5642	BB 18
1400	H66	5643	BC 18
1400	H67	5644	BD 18
1400	H68	5645	BE 18
1400	H69	5646	BF 18
1400	H70	5647	BG 18
1400	H71	5648	BH 18
1400	H72	5649	BI 18
1400	H73	5650	BJ 18
1400	H74	5651	BK 18
1400	H75	5652	BL 18
1400	H76	5653	BM 18
1400	H77	5654	BN 18
1400	H78	5655	BO 18
1400	H79	5656	BP 18
1400	H80	5657	BQ 18
1400	H81	5658	BR 18
1400	H82	5659	BS 18
1400	H83	5660	BT 18
1400	H84	5661	BV 18
1400	H85	5662	BW 18
1400	H86	5663	BX 18
1400	H87	5664	BY 18
1400	H88	5665	BZ 18
1400	H89	5666	CA 18
1400	H90	5667	CB 18
1400	H91	5668	CC 18
1400	H92	5669	CD 18
1400	H93	5670	CE 18
1400	H94	5671	CF 18
1400	H95	5672	CG 18
1400	H96	5673	CH 18
1400	H97	5674	CI 18
1400	H98	5675	CJ 18
1400	H99	5676	CK 18
1400	H100	5677	CL 18
1400	H101	5678	CM 18
1400	H102	5679	CN 18
1400	H103	5680	CO 18
1400	H104	5681	CP 18
1400	H105	5682	CQ 18
1400	H106	5683	CR 18
1400	H107	5684	CS 18
1400	H108	5685	CT 18
1400	H109	5686	CU 18
1400	H110	5687	CV 18
1400	H111	5688	CW 18
1400	H112	5689	CX 18
1400	H113	5690	CY 18
1400	H114	5691	CZ 18
1400	H115	5692	DA 18
1400	H116	5693	DB 18
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1400	H118	5695	DD 18
1400	H119	5696	DE 18
1400	H120	5697	DF 18
1400	H121	5698	DG 18
1400	H122	5699	DH 18
1400	H123	5700	DI 18
1400	H124	5701	DJ 18
1400	H125	5702	DK 18
1400	H126	5703	DL 18
1400	H127	5704	DM 18
1400	H128	5705	DN 18
1400	H129	5706	DO 18
1400	H130	5707	DP 18
1400	H131	5708	DQ 18
1400	H132	5709	DR 18
1400	H133	5710	DS 18
1400	H134	5711	DT 18
1400	H135	5712	DV 18
1400	H136	5713	DW 18
1400	H137	5714	DX 18
1400	H138	5715	DY 18
1400	H139	5716	DZ 18
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1400	H142	5719	EC 18
1400	H143	5720	ED 18
1400	H144	5721	EE 18
1400	H145	5722	EF 18
1400	H146	5723	EG 18
1400	H147	5724	EH 18
1400	H148	5725	EI 18
1400	H149	5726	EJ 18
1400	H150	5727	EK 18
1400	H151	5728	EL 18
1400	H152	5729	EM 18
1400	H153	5730	EN 18
1400	H154	5731	EO 18
1400	H155	5732	EP 18
1400	H156	5733	EQ 18
1400	H157	5734	ER 18
1400	H158	5735	ES 18
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1400	H160	5737	EU 18
1400	H161	5738	EV 18
1400	H162	5739	EW 18
1400	H163	5740	EX 18
1400	H164	5741	EY 18
1400	H165	5742	EZ 18
1400	H166	5743	FA 18
1400	H167	5744	FB 18
1400	H168	5745	FC 18
1400	H169	5746	FD 18
1400	H170	5747	FE 18
1400	H171	5748	FF 18
1400	H172	5749	FG 18
1400	H173	5750	FH 18
1400	H174	5751	FI 18
1400	H175	5752	FJ 18
1400	H176	5753	FK 18
1400	H177	5754	FL 18
1400	H178	5755	FM 18
1400	H179	5756	FN 18
1400	H180	5757	FO 18
1400	H181	5758	FP 18
1400	H182	5759	FQ 18
1400	H183	5760	FR 18
1400	H184	5761	FS 18
1400	H185	5762	FT 18
1400	H186	5763	FV 18
1400	H187	5764	FW 18
1400	H188	5765	FX 18
1400	H189	5766	FY 18
1400	H190	5767	FZ 18
1400	H191	5768	GA 18
1400	H192	5769	GB 18
1400	H193	5770	GC 18
1400	H194	5771	GD 18
1400	H195	5772	GE 18
1400	H196	5773	GF 18
1400	H197	5774	GG 18
1400	H198	5775	GH 18
1400	H199	5776	GI 18
1400	H200	5777	GJ 18
1400	H201	5778	GK 18
1400	H202	5779	GL 18
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1400	H204	5781	GN 18
1400	H205	5782	GO 18
1400	H206	5783	GP 18
1400	H207	5784	GQ 18
1400	H208	5785	GR 18
1400	H209	5786	GS 18
1400	H210	5787	GT 18
1400	H211	5788	GU 18
1400	H212	5789	GV 18
1400	H213	5790	GW 18
1400	H214	5791	GX 18
1400	H215	5792	GY 18
1400	H216	5793	GZ 18
1400	H217	5794	HA 18
1400	H218	5795	HB 18
1400	H219	5796	HC 18
1400	H220	5797	HD 18
1400	H221	5798	HE 18
1400	H222	5799	HF 18
1400	H223	5800	HG 18
1400	H224	5801	HH 18
1400	H225	5802	HI 18
1400	H226	5803	HJ 18
1400	H227	5804	HK 18
1400	H228	5805	HL 18
1400	H229	5806	HM 18
1400	H230	5807	HN 18
1400	H231	5808	HO 18
1400	H232	5809	HP 18
1400	H233	5810	HQ 18
1400	H234	5811	HR 18
1400	H235	5812	HS 18
1400	H236	5813	HT 18
1400	H237	5814	HU 18
1400	H238	5815	HV 18
1400	H239	5816	HW 18
1400	H240	5817	HX 18
1400	H241	5818	HY 18
1400	H242	5819	HZ 18
1400	H243	5820	IA 18
1400	H244	5821	IB 18
1400	H245	5822	IC 18
1400	H246	5823	ID 18
1400	H247	5824	IE 18
1400	H248	5825	IF 18
1400	H249	5826	IG 18
1400	H250	5827	IH 18
1400	H251	5828	II 18
1400	H252	5829	IJ 18
1400	H253	5830	IK 18
1400	H254	5831	IL 18
1400	H255	5832	IM 18
1400	H256	5833	IN 18
1400	H257	5834	IO 18
1400	H258	5835	IP 18
1400	H259	5836	IQ 18
1400	H260	5837	IR 18
1400	H261	5838	IS 18
1400	H262	5839	IT 18
1400	H263	5840	IU 18
1400	H264	5841	IV 18
1400	H265	5842	IW 18
1400	H266	5843	IX 18
1400	H267	5844	IY 18
1400	H268	5845	IZ 18
1400	H269	5846	JA 18
1400	H270	5847	JB 18
1400	H271	5848	JC 18
1400	H272	5849	JD 18
1400	H273	5850	JE 18
1400	H274	5851	JF 18
1400	H275	5852	JG 18
1400	H276	5853	JH 18
1400	H277	5854	JI 18
1400	H278	5855	JK 18
1400	H279	5856	JL 18
1400	H280	5857	JM 18
1400	H281	5858	JN 18
1400	H282	5859	JO 18
1400	H283	5860	JP 18
1400	H284	5861	JQ 18
1400	H285	5862	JR 18
1400	H286	5863	JS 18
1400	H287	5864	JT 18
1400	H288	5865	JU 18
1400	H289	5866	JV 18
1400	H290	5867	JW 18
1400	H291	5868	JX 18
1400	H292	5869	JY 18
1400	H293	5870	JZ 18
1400	H294	5871	KA 18
1400	H295	5872	KB 18
1400	H296	5873	KC 18
1400	H297	5874	KD 18
1400	H298	5875	KE 18
1400	H299	5876	KF 18
1400	H300	5877	KG 18
1400	H301	5878	KH 18
1400	H302	5879	KI 18
1400	H303	5880	KJ 18
1400	H304	5881	KK 18
1400	H305	5882	KL 18
1400	H306	5883	KM 18
1400	H307	5884	KN 18
1400	H308	5885	KO 18
1400	H309	5886	KP 18
1400	H310	5887	KQ 18
1400	H311	5888	KR 18
1400	H312	5889	KS 18
1400	H313	5890	KT 18
1400	H314	5891	KU 18
1400	H315	5892	KV 18
1400	H316	5893	KW 18
1400	H317	5894	KX 18
1400	H318	5895	KY 18
1400			

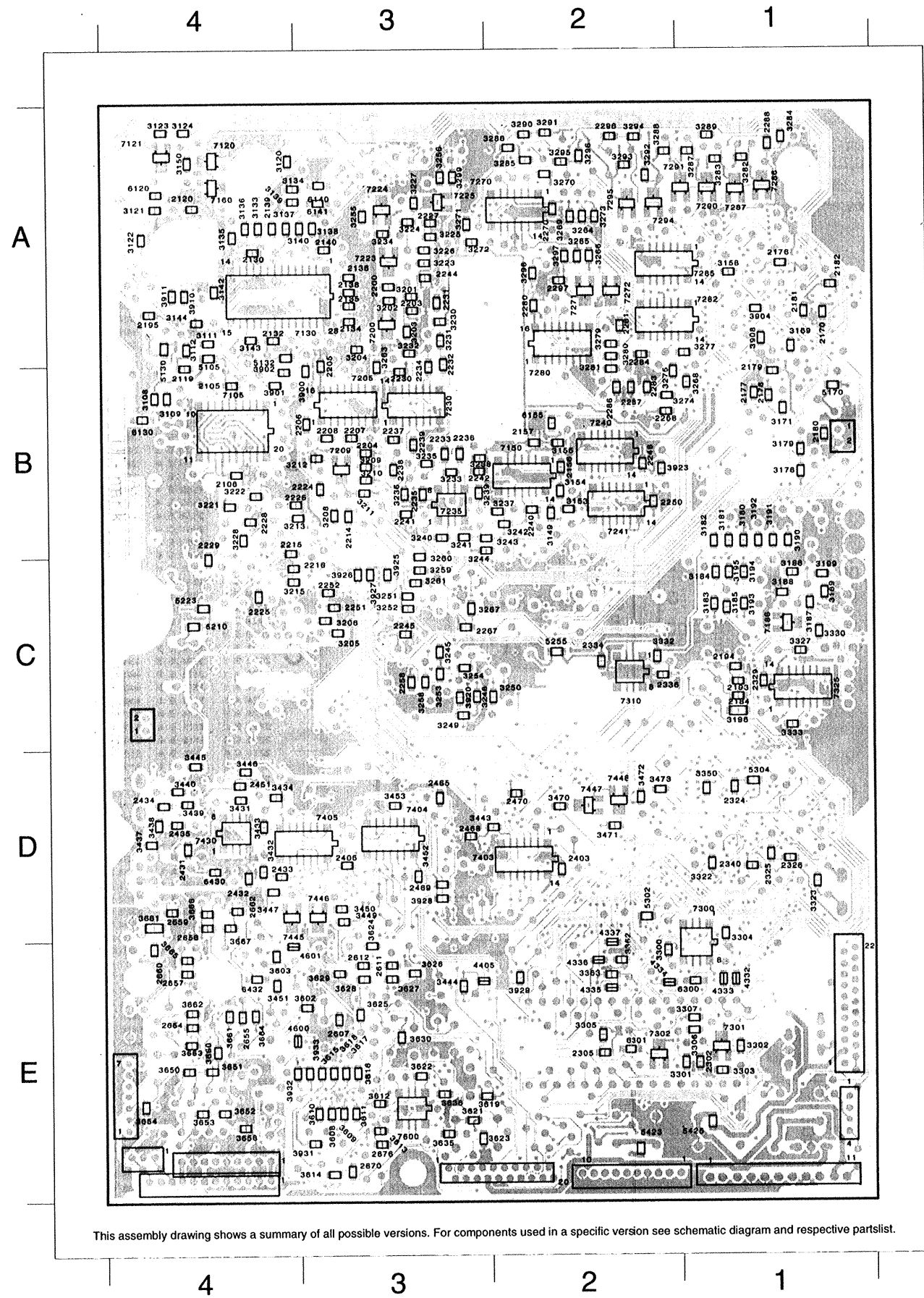
17.7) Panel Principal CDR - Layout Lado Superior



This assembly drawing shows a summary of all possible versions. For components used in a specific version see schematic diagram and respective partslist.

1101 A 3	2438 D 4	3314 C 1	6295 A 2
1102 A 2	2439 E 1	3315 C 1	6296 A 2
1103 B 1	2440 C 4	3316 C 1	6431 D 4
1104 C 4	2441 C 4	3317 C 1	6600 E 3
1135 C 1	2442 E 1	3318 C 1	7125 B 4
1143 A 4	2462 E 1	3319 C 1	7131 B 3
1177 B 1	2463 E 1	3326 C 1	7132 B 3
1199 C 1	2464 D 2	3328 C 1	7135 B 4
1250 C 4	2466 D 3	3334 C 1	7136 B 4
1251 C 3	2467 D 3	3360 C 2	7170 A 1
1290 A 2	2600 D 3	3361 C 2	7182 C 1
1301 C 1	2601 E 4	3364 D 1	7183 C 1
1320 D 1	2602 E 3	3380 E 1	7185 C 1
1330 E 2	2603 E 3	3430 D 4	7192 C 1
1360 E 1	2604 E 3	3462 D 2	7193 C 1
1380 E 1	2605 E 3	3463 E 3	7195 C 1
1400 E 2	2606 E 3	3464 D 3	7210 C 4
1410 E 4	2608 D 3	3604 E 4	7245 C 3
1420 E 4	2609 D 3	3606 E 3	7260 C 3
1440 E 1	2610 E 3	3620 D 3	7288 A 1
1450 E 4	2613 E 3	3631 E 3	7289 A 1
1451 D 4	2614 E 3	3632 E 3	7292 A 1
1455 D 4	2615 E 3	3633 E 3	7293 A 2
1460 E 4	2616 E 4	3659 E 4	7296 A 2
2100 B 4	2617 E 3	3670 E 4	7297 A 2
2104 A 3	2618 D 3	3671 E 4	7320 D 1
2107 B 4	2619 E 3	3672 E 4	7322 E 2
2108 A 3	2620 E 3	3673 E 4	7323 E 2
2109 A 3	2621 E 3	3680 E 3	7326 C 1
2110 A 3	2622 E 3	3903 B 1	7410 E 3
2111 A 3	2623 E 2	3905 A 4	7411 E 3
2112 A 3	2650 E 4	3906 A 3	7440 D 4
2113 A 3	2651 E 4	3921 C 2	7465 D 2
2114 A 3	2652 E 4	3922 C 2	7601 E 3
2115 A 4	2653 E 4	3924 D 4	7602 E 4
2116 A 3	2658 E 4	3930 E 4	7603 E 3
2117 A 3	2661 D 4	4200 C 3	7604 E 3
2118 A 3	2663 E 4	4201 C 3	7605 E 3
2121 A 4	2664 D 4	4202 C 3	7610 E 4
2122 A 4	2665 E 4	4322 D 1	7611 E 4
2125 B 4	2666 E 4	4340 D 2	7650 D 4
2126 B 4	2667 E 4	4341 E 2	7651 E 4
2127 B 4	2668 E 4	4342 E 2	7652 E 4
2128 B 4	2671 E 3	4343 D 2	
2129 B 4	2672 D 4	4345 D 1	
2131 A 4	2673 E 3	4346 D 1	
2171 B 1	2674 E 3	4347 D 1	
2172 A 1	2675 E 3	4400 D 3	
2173 A 1	2677 E 3	4401 D 3	
2174 A 1	3113 B 3	4402 D 3	
2175 A 1	3114 B 4	5104 B 4	
2183 B 1	3115 B 4	5106 A 3	
2210 C 3	3116 B 4	5107 A 4	
2211 C 4	3125 B 4	5108 A 4	
2217 C 4	3126 B 4	5109 A 3	
2218 C 4	3127 B 4	5110 A 4	
2219 C 4	3128 B 4	5111 A 4	
2220 B 4	3129 B 4	5176 A 1	
2221 B 4	3130 B 4	5179 B 1	
2222 B 4	3131 B 4	5245 C 4	
2223 C 4	3132 B 4	5301 E 1	
2243 A 3	3141 B 4	5303 D 1	
2246 C 3	3152 A 1	5310 E 2	
2247 C 4	3156 A 1	5311 E 2	
2255 C 3	3157 A 1	5312 E 2	
2256 C 2	3160 A 1	5313 E 2	
2259 C 2	3161 B 1	5314 E 2	
2262 C 2	3162 A 1	5315 E 2	
2282 A 2	3163 B 1	5420 E 1	
2285 A 2	3164 B 1	5421 E 1	
2292 A 1	3165 B 1	5422 E 1	
2300 E 2	3166 A 1	5424 E 1	
2301 E 1	3168 B 1	5430 D 2	
2303 D 2	3172 B 1	5431 D 4	
2304 D 2	3173 A 1	5432 C 4	
2321 D 1	3174 A 1	5600 E 3	
2322 D 1	3175 A 1	5601 E 3	
2323 D 1	3176 A 1	5602 D 3	
2327 D 1	3177 A 1	5604 E 3	
2330 C 1	3216 C 4	5605 D 3	
2335 C 1	3217 C 4	5606 E 4	
2339 E 1	3218 C 3	5651 E 4	
2341 E 1	3219 C 4	5652 E 4	
2342 D 2	3220 C 4	5653 E 4	
2350 D 1	3229 C 4	5654 E 4	
2400 D 2	3246 C 3	6125 B 3	
2401 D 3	3247 C 3	6185 B 1	
2404 E 3	3257 C 2	6186 B 1	
2405 E 4	3262 C 2	6285 A 1	
2430 D 4	3276 A 2	6286 A 1	
2436 E 2	3312 C 1	6290 A 1	
2437 E 2	3313 C 1	6291 A 1	

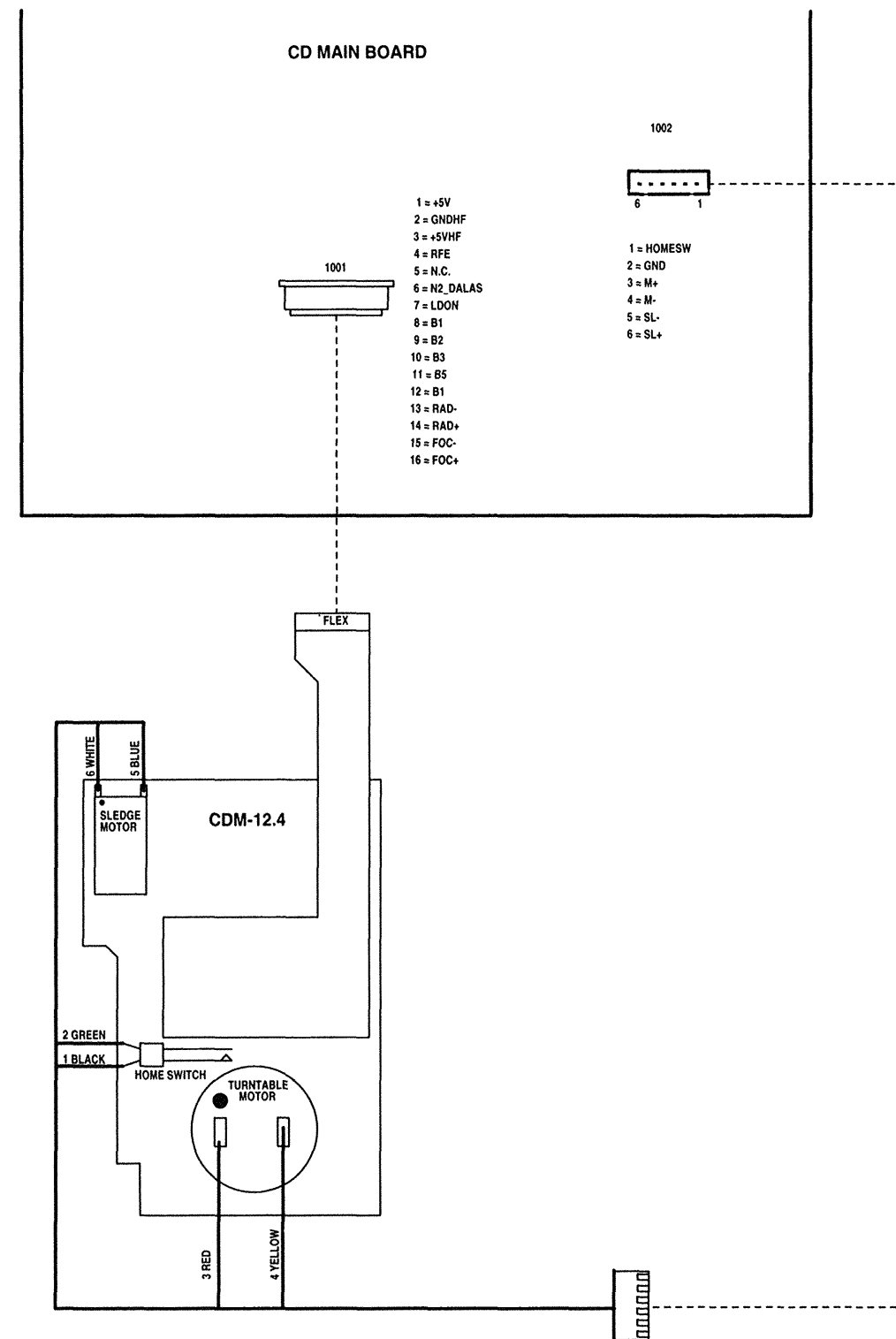
17.8) Painel Principal CDR - Layout Lado Inferior



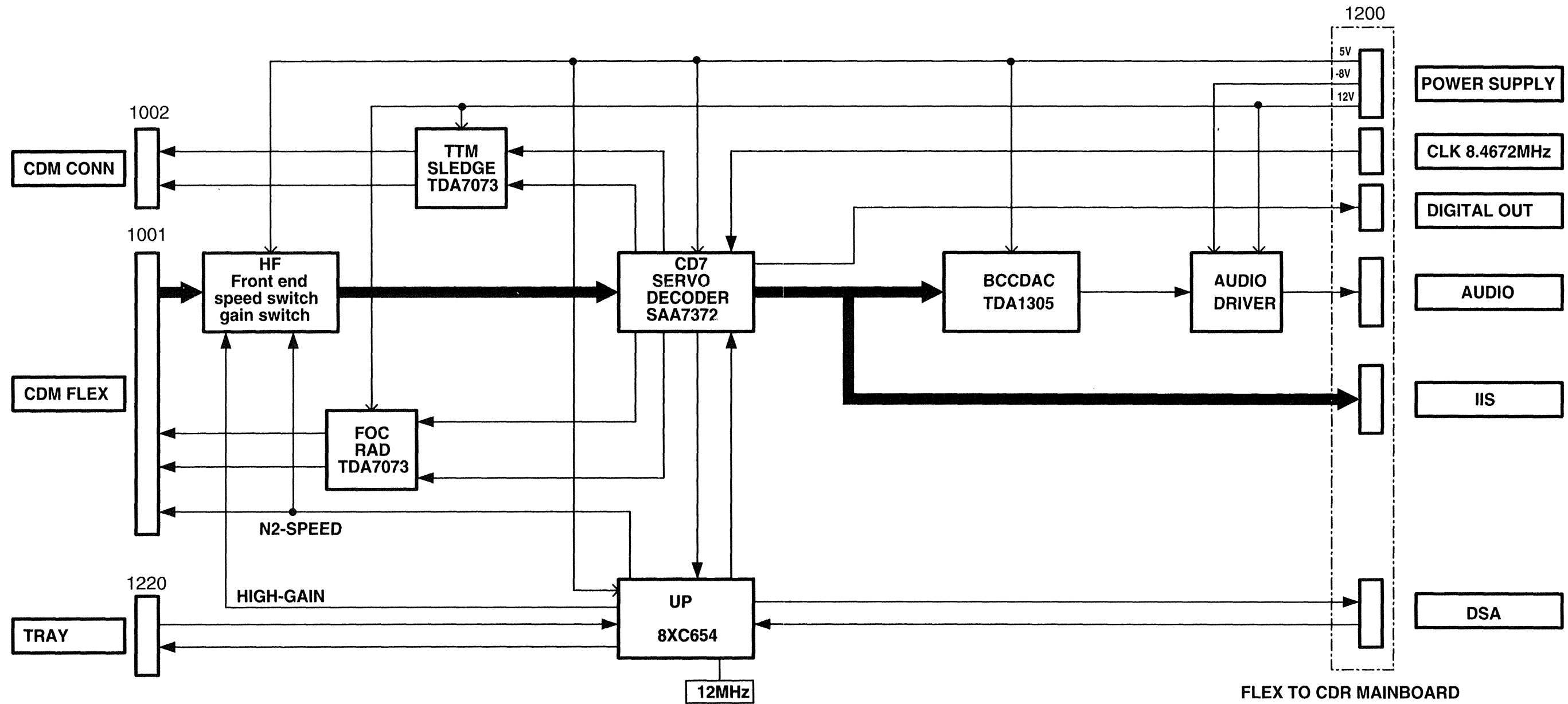
This assembly drawing shows a summary of all possible versions. For components used in a specific version see schematic diagram and respective partlist.

2105 B 4	2468 D 3	3238 B 3	3471 D 2	7121 A 4
2106 B 4	2469 D 3	3239 B 3	3472 D 2	7130 A 4
2119 B 4	2470 D 2	3240 B 3	3473 D 2	7150 B 2
2120 A 4	2607 E 3	3241 B 3	3602 E 3	7160 A 4
2130 A 4	2611 E 3	3242 B 2	3603 E 4	7186 C 1
2132 A 4	2612 E 3	3243 B 3	3608 E 3	7200 A 3
2134 A 3	2654 E 4	3244 B 3	3609 E 3	7205 B 3
2135 A 3	2655 E 4	3245 C 3	3610 E 3	7209 B 3
2136 A 3	2656 D 4	3246 C 3	3611 E 3	7223 A 3
2138 A 3	2657 E 4	3249 C 3	3612 E 3	7224 A 3
2139 A 4	2659 D 4	3250 C 2	3613 E 3	7225 A 3
2140 A 3	2660 E 4	3251 C 3	3614 E 3	7230 B 3
2156 B 2	2662 D 4	3252 C 3	3615 E 3	7235 B 3
2157 B 2	2670 E 3	3253 C 3	3616 E 3	7240 B 2
2170 A 1	2676 E 3	3254 C 3	3617 E 3	7241 B 2
2176 A 1	3108 B 4	3255 A 3	3618 E 3	7270 A 2
2177 B 1	3109 B 4	3256 A 3	3619 E 3	7271 A 2
2178 B 1	3111 A 4	3258 C 3	3621 E 3	7272 A 2
2179 B 1	3112 A 4	3259 C 3	3622 E 3	7280 A 2
2180 B 1	3120 A 4	3260 C 3	3623 E 3	7282 A 2
2181 A 1	3121 A 4	3261 C 3	3624 E 3	7285 A 2
2182 A 1	3122 A 4	3263 B 3	3625 E 3	7286 A 1
2184 C 1	3123 A 4	3264 A 2	3626 E 3	7287 A 1
2193 C 1	3124 A 4	3265 A 2	3627 E 3	7290 A 1
2194 C 1	3133 A 4	3266 A 2	3628 E 3	7291 A 1
2195 A 4	3134 A 4	3267 C 3	3629 E 3	7294 A 2
2200 A 3	3135 A 4	3268 B 1	3630 E 3	7295 A 2
2203 A 3	3136 A 4	3269 A 2	3635 E 3	7300 E 1
2204 B 3	3137 A 4	3270 A 2	3636 E 3	7301 E 1
2205 B 3	3138 A 3	3271 A 3	3650 E 4	7302 E 2
2206 B 3	3139 A 4	3272 A 3	3651 E 4	7310 C 2
2207 B 3	3140 A 3	3273 A 2	3652 E 4	7325 C 1
2208 B 3	3142 A 4	3274 B 2	3653 E 4	7403 D 2
2214 B 3	3143 A 4	3275 B 2	3654 E 4	7404 D 3
2215 B 4	3144 A 4	3277 A 1	3658 E 4	7405 D 3
2216 C 4	3149 B 2	3279 A 2	3660 E 4	7430 D 4
2224 B 3	3150 A 4	3280 A 2	3661 E 4	7445 D 4
2225 C 4	3153 B 2	3281 B 2	3662 E 4	7446 D 3
2226 B 4	3154 B 2	3282 A 1	3663 E 4	7447 D 2
2227 A 3	3155 B 2	3283 A 1	3664 E 4	7448 D 2
2228 B 4	3158 A 1	3284 A 1	3665 E 4	7600 E 3
2229 C 4	3169 A 1	3285 A 2	3666 D 4	
2230 B 3	3171 B 1	3286 A 2	3667 D 4	
2231 A 3	3178 B 1	3287 A 1	3681 D 4	
2232 B 3	3179 B 1	3288 A 2	3900 B 3	
2233 B 3	3180 B 1	3289 A 1	3901 B 4	
2234 B 3	3181 B 1	3290 A 2	3902 B 4	
2235 B 3	3182 B 1	3291 A 2	3904 A 1	
2236 B 3	3183 C 1	3292 A 2	3908 A 1	
2237 B 3	3184 C 1	3293 A 2	3910 A 4	
2238 B 3	3185 C 1	3294 A 2	3911 A 4	
2239 B 3	3186 C 1	3295 A 2	3920 C 3	
2240 B 2	3187 C 1	3296 A 2	3923 B 2	
2241 B 3	3188 C 1	3297 A 2	3925 C 3	
2242 B 3	3189 C 1	3298 A 2	3926 C 3	
2244 A 3	3190 B 1	3299 A 3	3927 C 3	
2245 C 3	3191 B 1	3300 E 2	3928 D 3	
2248 B 2	3192 B 1	3301 E 1	3929 E 2	
2250 B 2	3193 C 1	3302 E 1	3931 E 3	
2251 C 3	3194 C 1	3303 E 1	3932 E 4	
2252 C 3	3195 C 1	3304 D 1	3933 E 3	
2258 C 3	3196 C 1	3305 E 2	4332 E 1	
2267 C 3	3199 C 1	3306 E 1	4333 E 1	
2268 B 2	3201 A 3	3307 E 1	4334 E 2	
2270 A 2	3202 A 3	3322 D 1	4335 E 2	
2280 A 2	3203 A 3	3323 D 1	4336 E 2	
2281 A 2	3204 A 3	3327 C 1	4337 E 2	
2283 B 2	3205 C 3	3330 C 1	4405 E 3	
2284 A 2	3206 C 3	3332 C 2	4600 E 4	
2286 B 2	3208 B 3	3333 C 1	4601 E 4	
2287 B 2	3209 B 3	3350 D 1	5105 A 4	
2288 A 1	3210 B 3	3362 E 2	5130 A 4	
2296 A 2	3211 B 3	3363 E 2	5132 A 4	
2297 A 2	3212 B 3	3431 D 4	5170 B 1	
2302 E 1	3213 B 3	3432 D 4	5210 C 4	
2305 E 2	3215 C 4	3433 D 4	5223 C 4	
2324 D 1	3221 B 4	3434 D 4	5255 C 2	
2325 D 1	3222 B 4	3437 D 4	5302 D 2	
2326 D 1	3223 A 3	3438 D 4	5304 D 1	
2329 C 1	3224 A 3	3439 D 4	5423 E 2	
2334 C 2	3225 A 3	3440 D 4	5425 E 1	
2336 C 2	3226 A 3	3443 D 2	6120 A 4	
2340 D 1	3227 A 3	3444 E 3	6130 B 4	
2403 D 2	3228 B 4	3445 D 4	6140 A 3	
2406 D 3	3230 A 3	3446 D 4	6141 A 3	
2431 D 4	3231 A 3	3447 D 4	6155 B 2	
2432 D 4	3232 A 3	3449 D 3	6300 E 1	
2433 D 4	3233 B 3	3450 D 3	6301 E 2	
2434 D 4	3234 A 3	3451 E 4	6430 D 4	
2435 D 4	3235 B 3	3452 D 3	6432 E 4	
2451 D 4	3236 B 3	3453 D 3	7105 B 4	
2465 D 3	3237 B 2	3470 D 2	7120 A 4	

18.1) Painel Principal CD (CDR765/11S) Diagrama de conexões CDM12.4



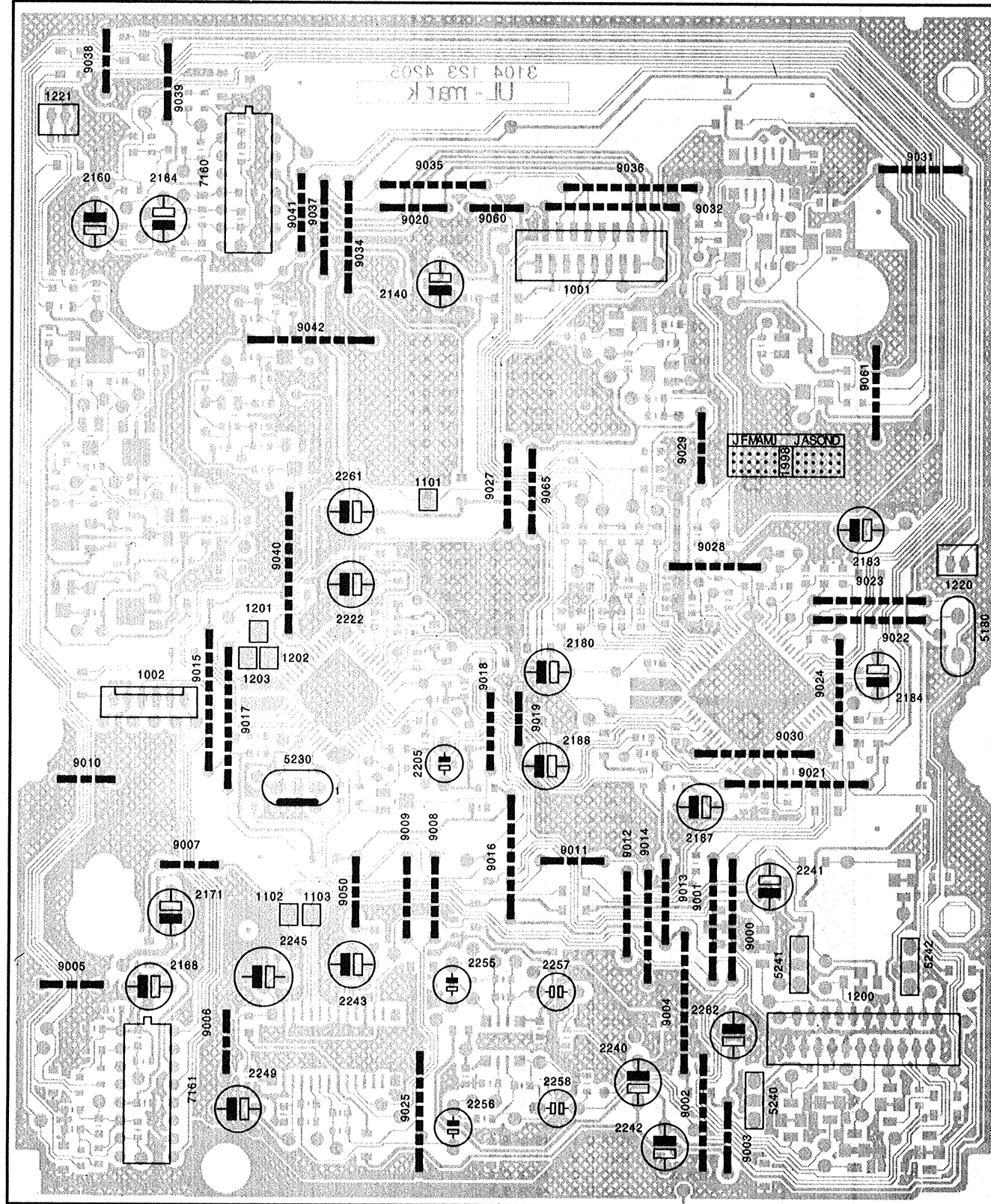
18.2) Painel Principal CD (CDR765/11S)
 Diagrama em blocos



18.5) Painel Principal CD - Layout (CDR765/11S)

1 2 3 4

Lado superior



A

B

C

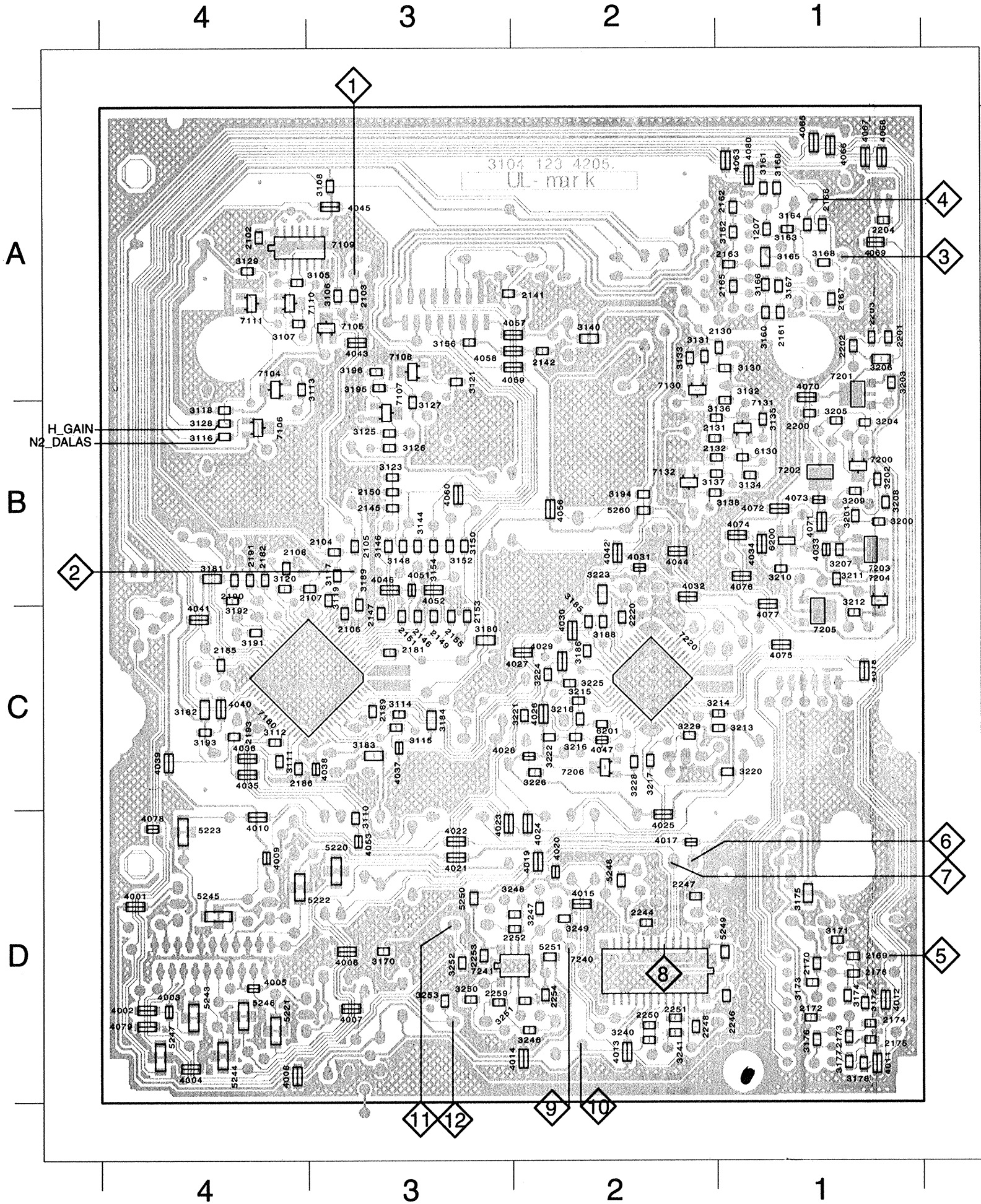
D

- 1001 A 3
- 1002 C 1
- 1101 B 2
- 1102 D 2
- 1103 D 2
- 1200 D 4
- 1201 C 1
- 1202 C 2
- 1203 C 1
- 1220 B 4
- 1221 A 1
- 2140 A 2
- 2160 A 1
- 2164 A 1
- 2168 D 1
- 2171 D 1
- 2180 C 3
- 2183 B 4
- 2184 C 4
- 2187 C 3
- 2188 C 3
- 2205 C 2
- 2222 B 2
- 2240 D 3
- 2241 D 4
- 2242 D 3
- 2243 D 2
- 2245 D 2
- 2249 D 1
- 2255 D 2
- 2256 D 2
- 2257 D 3
- 2258 D 3
- 2261 B 2
- 2262 D 3
- 5180 C 4
- 5230 C 2
- 5240 D 4
- 5241 D 4
- 5242 D 4
- 7160 A 1
- 7161 D 1
- 9000 D 3
- 9001 D 3
- 9002 D 3
- 9003 D 3
- 9004 D 3
- 9005 D 1
- 9006 D 1
- 9007 D 1
- 9008 D 2
- 9009 D 2
- 9010 C 1
- 9011 D 3
- 9012 D 3
- 9013 D 3
- 9014 D 3
- 9015 C 1
- 9016 D 3
- 9017 C 1
- 9018 C 2
- 9019 C 3
- 9020 A 2
- 9021 C 4
- 9022 C 4
- 9023 B 4
- 9024 C 4
- 9025 D 2
- 9027 B 2
- 9028 B 3
- 9029 B 3
- 9030 C 4
- 9031 A 4
- 9032 A 3
- 9034 A 2
- 9035 A 2
- 9036 A 3
- 9037 A 2
- 9038 A 1
- 9039 A 1
- 9040 B 2
- 9041 A 2
- 9042 A 2
- 9050 D 2
- 9060 A 2
- 9061 B 4
- 9065 B 3

1 2 3 4

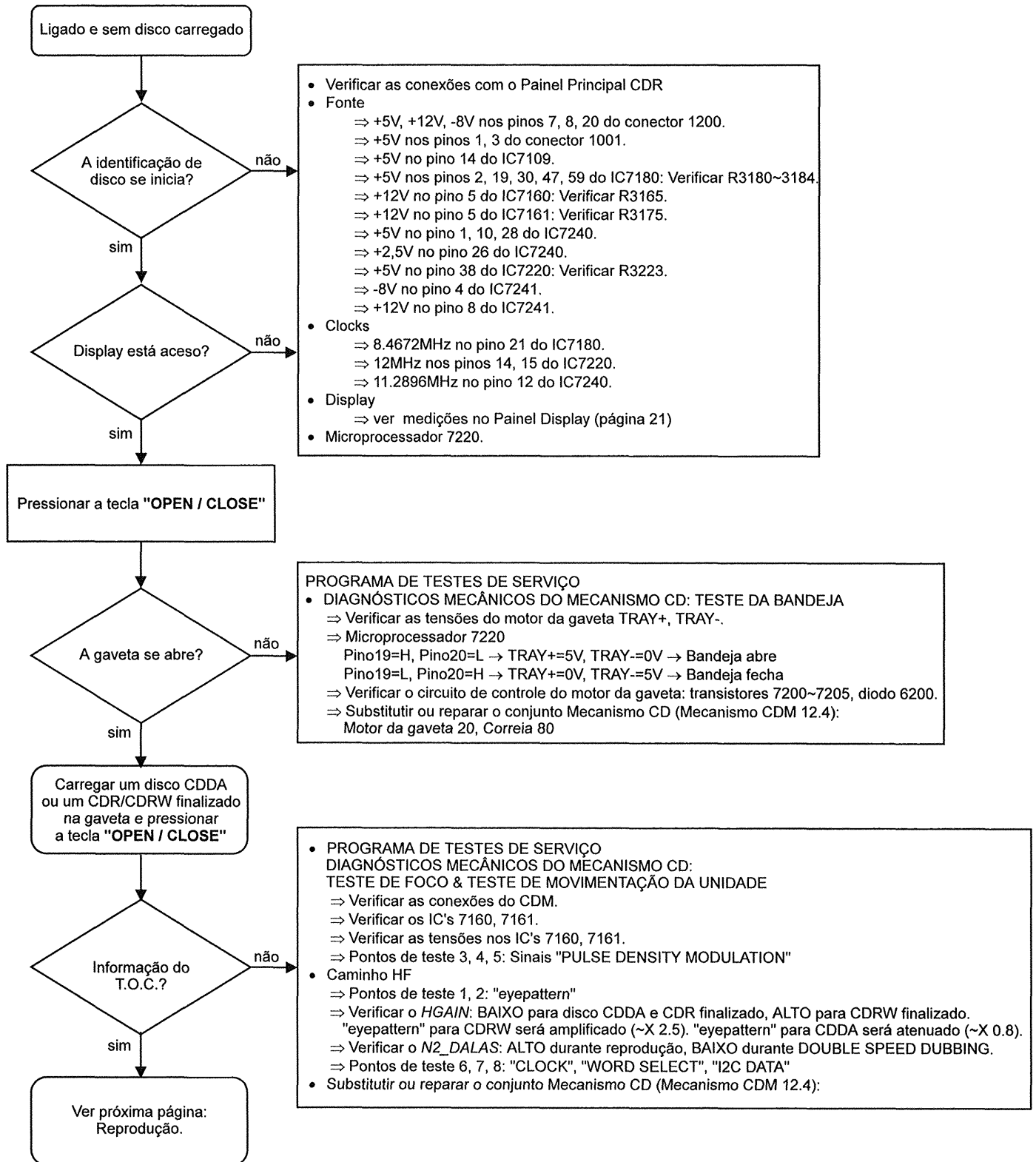
18.6) Painel Principal CD - Layout (CDR765/11S)

Lado inferior

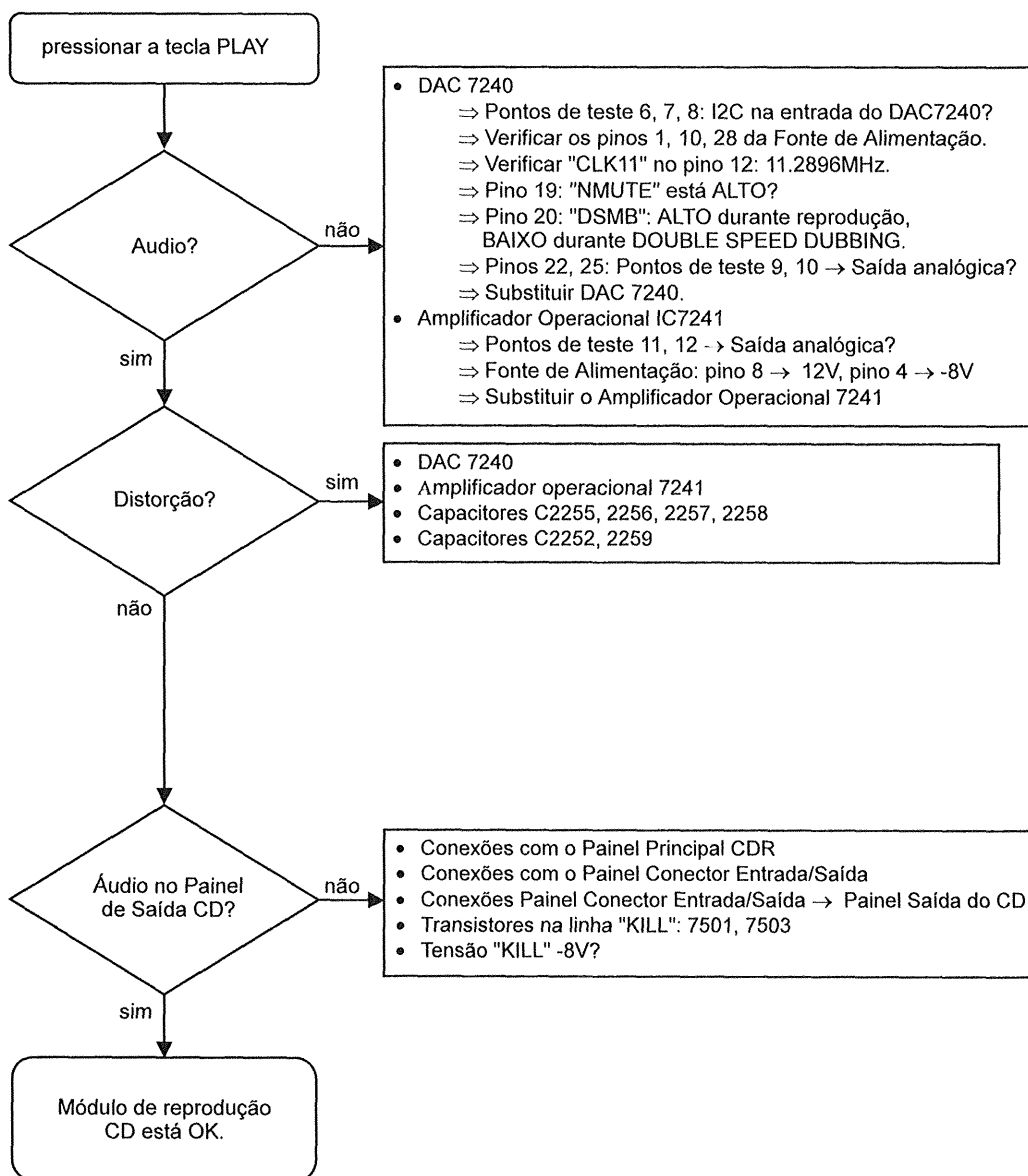


1207 A 1	3129 A 4	3229 C 2	4078 D 4
2102 A 4	3130 A 1	3240 D 2	4079 D 4
2103 A 3	3131 A 2	3241 D 2	4080 A 1
2104 B 3	3132 B 1	3246 D 2	5220 D 3
2105 B 3	3133 A 2	3247 D 2	5221 D 4
2106 C 3	3134 B 1	3248 D 2	5222 D 4
2107 B 3	3135 B 1	3249 D 2	5223 D 4
2108 B 4	3136 B 1	3250 D 3	5243 D 4
2130 A 1	3137 B 1	3251 D 2	5244 D 4
2131 B 2	3138 B 2	3252 D 3	5245 D 4
2132 B 1	3140 A 2	3253 D 3	5246 D 4
2141 A 3	3144 B 3	4001 D 4	5247 D 4
2142 A 2	3146 B 3	4002 D 4	5248 D 2
2145 B 3	3148 B 3	4003 D 4	5249 D 1
2146 C 3	3150 B 3	4004 D 4	5250 D 3
2147 C 3	3152 B 3	4005 D 4	5251 D 2
2149 C 3	3154 B 3	4006 D 3	5260 B 2
2150 B 3	3156 A 3	4007 D 3	6130 B 1
2151 C 3	3160 A 1	4008 D 4	6200 B 1
2153 C 3	3161 A 1	4009 D 4	6201 C 2
2155 C 3	3162 A 1	4010 D 4	7104 A 4
2161 A 1	3163 A 1	4011 D 1	7105 A 3
2162 A 1	3164 A 1	4012 D 1	7106 B 4
2163 A 1	3165 A 1	4013 D 2	7107 B 3
2165 A 1	3166 A 1	4014 D 2	7108 A 3
2166 A 1	3167 A 1	4015 D 2	7109 A 4
2167 A 1	3168 A 1	4017 D 2	7110 A 4
2169 D 1	3169 A 1	4018 C 1	7111 A 4
2170 D 1	3170 D 3	4019 D 2	7130 A 2
2172 D 1	3171 D 1	4020 D 2	7131 B 1
2173 D 1	3172 D 1	4021 D 3	7132 B 2
2174 D 1	3173 D 1	4022 D 3	7180 C 3
2175 D 1	3174 D 1	4023 D 3	7200 B 1
2176 D 1	3175 D 1	4024 D 2	7201 A 1
2181 C 3	3176 D 1	4025 D 2	7202 B 1
2182 B 4	3177 D 1	4026 C 2	7203 B 1
2185 C 4	3178 D 1	4027 C 2	7204 B 1
2186 C 4	3180 C 3	4028 C 2	7205 C 1
2189 C 3	3181 B 4	4029 C 2	7206 C 2
2190 B 4	3182 C 4	4030 C 2	7220 C 2
2191 B 4	3183 C 3	4031 B 2	7240 D 2
2193 C 4	3184 C 3	4032 B 2	7241 D 2
2200 B 1	3185 C 2	4033 B 1	
2201 A 1	3186 C 2	4034 B 1	
2202 A 1	3188 C 2	4035 C 4	
2203 A 1	3189 C 3	4036 C 4	
2204 A 1	3191 C 4	4037 C 3	
2220 C 2	3192 B 4	4038 C 3	
2244 D 2	3193 C 4	4039 C 4	
2246 D 1	3194 B 2	4040 C 4	
2247 D 2	3195 A 3	4041 C 4	
2248 D 2	3196 A 3	4042 B 2	
2250 D 2	3200 B 1	4043 A 3	
2251 D 2	3201 B 1	4044 B 2	
2252 D 2	3202 B 1	4045 A 3	
2253 D 3	3203 A 1	4046 B 3	
2254 D 2	3204 B 1	4047 C 2	
2259 D 3	3205 B 1	4051 B 3	
3105 A 4	3206 A 1	4052 B 3	
3106 A 3	3207 B 1	4053 D 3	
3107 A 4	3208 B 1	4056 B 2	
3108 A 3	3209 B 1	4057 A 2	
3110 D 3	3210 B 1	4058 A 2	
3111 C 4	3211 B 1	4059 A 2	
3112 C 4	3212 C 1	4060 B 3	
3113 A 4	3213 C 1	4063 A 1	
3114 C 3	3214 C 1	4065 A 1	
3115 C 3	3215 C 2	4066 A 1	
3116 B 4	3216 C 2	4067 A 1	
3117 B 3	3217 C 2	4068 A 1	
3118 B 4	3218 C 2	4069 A 1	
3119 B 3	3220 C 1	4070 A 1	
3120 B 4	3221 C 2	4071 B 1	
3121 A 3	3222 C 2	4072 B 1	
3123 B 3	3223 B 2	4073 B 1	
3125 B 3	3224 C 2	4074 B 1	
3126 B 3	3225 C 2	4075 C 1	
3127 B 3	3226 C 2	4076 B 1	
3128 B 4	3228 C 2	4077 C 1	

19.1) GUIA PARA SOLUÇÃO DE PROBLEMAS MÓDULO CD



19.2) GUIA PARA SOLUÇÃO DE PROBLEMAS MÓDULO CD NA REPRODUÇÃO



20.0) LISTA DE COMPONENTES

CD'S PARA TESTES DE SERVIÇO				
	4822 397 30184	CD SINAL DE ÁUDIO		
	4822 397 30245	CD SBC444/SBC444A		
	4822 397 30155	CD 1kHz 65 MIN SEM PAUSA		
	4822 397 30271	CD 58MM DE DIÂMETRO		

ACESSÓRIOS				
	4822 321 23302	CABO DE FIBRA OPTICA	CDR760/11S	CDR765/11S
312	4822 321 11357	CABO CONEXÃO ÁUDIO	CDR760/11S	CDR765/11S
313	4822 321 11357	CABO CONEXÃO ÁUDIO	CDR760/11S	CDR765/11S
317	4822 321 61452	CABO CONEXÃO DIGITAL	CDR760/11S	CDR765/11S
318	4822 219 10559	TRANSMISSOR CONTROLE REMOTO RC07110/01	CDR760/11S	CDR765/11S

COMPONENTES ELÉTRICOS				
PAINEL PRINCIPAL CDR				
1001	4822 214 12804	PAINEL PRINCIPAL MONTADO 4203 C	CDR760/11S	
1001	4822 214 12825	PAINEL PRINCIPAL MONTADO 4203 C		CDR765/11S
1101	4822 267 60409	CONECTOR FLAT-CABLE 22VIAS	CDR760/11S	CDR765/11S
1102	4822 267 60409	CONECTOR FLAT-CABLE 22VIAS	CDR760/11S	CDR765/11S
1143	4822 242 82075	FILTRO CERÂMICO CSTCS16,00MXC03-TC	CDR760/11S	CDR765/11S
1177	4822 242 10557	CRISTAL RESONADOR 32MHz	CDR760/11S	CDR765/11S
1251	4822 242 10757	CRISTAL 33.868MHz SM 20pF	CDR760/11S	CDR765/11S
1290	4822 267 51454	CONECTOR FLAT-CABLE 11VIAS	CDR760/11S	CDR765/11S
1320	4822 242 10236	CRISTAL LN-G102-139 (16MHz)	CDR760/11S	CDR765/11S
1360	4822 265 11154	CONECTOR FLAT-CABLE 22VIAS		CDR765/11S
1400	4822 267 10939	CONECTOR FLAT-CABLE 20VIAS	CDR760/11S	CDR765/11S
1500	4822 267 10939	CONECTOR FLAT-CABLE 20VIAS	CDR760/11S	CDR765/11S
1520	4822 218 11487	RECEPTOR CONTROLE REMOTO GP1F32R	CDR760/11S	CDR765/11S
1530	4822 265 11151	CONECTOR 4 X RCA	CDR760/11S	CDR765/11S
1531	4822 267 31448	CONECTOR 2 X RCA	CDR760/11S	CDR765/11S
2113	4822 124 11353	CAP. TÂNTALO 1µF 16V 20%	CDR760/11S	CDR765/11S
2114	4822 124 11353	CAP. TÂNTALO 1µF 16V 20%	CDR760/11S	CDR765/11S
2134	4822 122 33575	CAP. CER. 220pF 50V 5% NPO	CDR760/11S	CDR765/11S
2135	4822 122 33575	CAP. CER. 220pF 50V 5% NPO	CDR760/11S	CDR765/11S
2136	4822 122 33575	CAP. CER. 220pF 50V 5% NPO	CDR760/11S	CDR765/11S
2138	4822 122 33575	CAP. CER. 220pF 50V 5% NPO	CDR760/11S	CDR765/11S
2139	5322 116 80853	CAP. CER. 560pF 63V 5% NP0	CDR760/11S	CDR765/11S
2208	5322 116 80853	CAP. CER. 560pF 63V 5% NP0	CDR760/11S	CDR765/11S
2214	4822 126 13692	CAP. CER. 47pF 63V 1% NPO	CDR760/11S	CDR765/11S
2232	4822 126 13618	CAP. CER. 330pF 63V 1% NPO	CDR760/11S	CDR765/11S
2233	4822 126 13618	CAP. CER. 330pF 63V 1% NPO	CDR760/11S	CDR765/11S
2234	4822 126 13618	CAP. CER. 330pF 63V 1% NPO	CDR760/11S	CDR765/11S
2236	4822 126 13618	CAP. CER. 330pF 63V 1% NPO	CDR760/11S	CDR765/11S
2237	4822 126 13618	CAP. CER. 330pF 63V 1% NPO	CDR760/11S	CDR765/11S
2238	4822 126 13618	CAP. CER. 330pF 63V 1% NPO	CDR760/11S	CDR765/11S
2239	4822 126 13618	CAP. CER. 330pF 63V 1% NPO	CDR760/11S	CDR765/11S
2241	4822 126 13618	CAP. CER. 330pF 63V 1% NPO	CDR760/11S	CDR765/11S
2243	4822 124 11445	CAP. TÂNTALO 47µF 10V 20%	CDR760/11S	CDR765/11S
2251	4822 126 13692	CAP. CER. 47pF 63V 1% NPO	CDR760/11S	CDR765/11S
2252	4822 126 13692	CAP. CER. 47pF 63V 1% NPO	CDR760/11S	CDR765/11S
2262	4822 126 10326	CAP. CER. 180pF 63V 5% NPO	CDR760/11S	CDR765/11S
2325	4822 126 13692	CAP. CER. 47pF 63V 1% NPO	CDR760/11S	CDR765/11S
2326	4822 126 13692	CAP. CER. 47pF 63V 1% NPO	CDR760/11S	CDR765/11S
2336	4822 126 13692	CAP. CER. 47pF 63V 1% NPO	CDR760/11S	CDR765/11S
2505	5322 122 33538	CAP. CER. 150pF 63V 2% NP1	CDR760/11S	CDR765/11S
2510	5322 122 32531	CAP. CER. 100pF 50V 5% NP0	CDR760/11S	CDR765/11S
2511	5322 122 32531	CAP. CER. 100pF 50V 5% NP0	CDR760/11S	CDR765/11S
2611	4822 126 13694	CAP. CER. 68pF 63V 1% NPO	CDR760/11S	CDR765/11S
2612	4822 126 13694	CAP. CER. 68pF 63V 1% NPO	CDR760/11S	CDR765/11S
2615	4822 124 40246	CAP. ELCO 4,7µF 63V 20% DXH=5X	CDR760/11S	CDR765/11S
2616	4822 124 40246	CAP. ELCO 4,7µF 63V 20% DXH=5X	CDR760/11S	CDR765/11S
2618	4822 124 11445	CAP. TÂNTALO 47µF 10V 20%	CDR760/11S	CDR765/11S
2621	4822 124 11445	CAP. TÂNTALO 47µF 10V 20%	CDR760/11S	CDR765/11S

20.0) LISTA DE COMPONENTES (continuação)

PAINEL PRINCIPAL CDR (continuação)				
2654	5322 122 32531	CAP. CER. 100pF 50V 5% NPO	CDR760/11S	CDR765/11S
2655	5322 122 32531	CAP. CER. 100pF 50V 5% NPO	CDR760/11S	CDR765/11S
2656	5322 126 10184	CAP. CER. 680pF 50V 5% NPO	CDR760/11S	CDR765/11S
2657	5322 126 10184	CAP. CER. 680pF 50V 5% NPO	CDR760/11S	CDR765/11S
2667	4822 124 40246	CAP. ELCO 4,7µF 63V 20% DXH=5X	CDR760/11S	CDR765/11S
2668	4822 124 40246	CAP. ELCO 4,7µF 63V 20% DXH=5X	CDR760/11S	CDR765/11S
2670	5322 122 32531	CAP. CER. 100pF 50V 5% NPO		CDR765/11S
2671	5322 122 32531	CAP. CER. 100pF 50V 5% NPO		CDR765/11S
2672	5322 122 32531	CAP. CER. 100pF 50V 5% NPO		CDR765/11S
2673	5322 122 32531	CAP. CER. 100pF 50V 5% NPO		CDR765/11S
2674	5322 122 32531	CAP. CER. 100pF 50V 5% NPO		CDR765/11S
2675	5322 122 32531	CAP. CER. 100pF 50V 5% NPO		CDR765/11S
2676	5322 122 32531	CAP. CER. 100pF 50V 5% NPO		CDR765/11S
2677	5322 122 32531	CAP. CER. 100pF 50V 5% NPO		CDR765/11S
3109	4822 117 10834	RESISTOR 47kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3136	4822 117 10833	RESISTOR 10kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3138	4822 117 10833	RESISTOR 10kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3140	4822 117 10834	RESISTOR 47kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3142	4822 117 10833	RESISTOR 10kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3144	4822 117 10833	RESISTOR 10kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3149	4822 117 11449	RESISTOR 2,2kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3153	4822 051 10102	RESISTOR 1kΩ 0,25W 2%	CDR760/11S	CDR765/11S
3154	4822 051 10102	RESISTOR 1kΩ 0,25W 2%	CDR760/11S	CDR765/11S
3180	4822 117 10833	RESISTOR 10kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3186	4822 117 10833	RESISTOR 10kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3187	4822 051 10102	RESISTOR 1kΩ 0,25W 2%	CDR760/11S	CDR765/11S
3188	4822 117 10833	RESISTOR 10kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3190	4822 117 10833	RESISTOR 10kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3204	4822 117 11454	RESISTOR 820Ω 0,1W 1%	CDR760/11S	CDR765/11S
3205	4822 117 11504	RESISTOR 270Ω 0,1W 1%	CDR760/11S	CDR765/11S
3212	4822 117 11454	RESISTOR 820Ω 0,1W 1%	CDR760/11S	CDR765/11S
3215	4822 117 10833	RESISTOR 10kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3224	4822 051 10102	RESISTOR 1kΩ 0,25W 2%	CDR760/11S	CDR765/11S
3225	4822 051 10102	RESISTOR 1kΩ 0,25W 2%	CDR760/11S	CDR765/11S
3226	4822 117 11454	RESISTOR 820Ω 0,1W 1%	CDR760/11S	CDR765/11S
3228	4822 117 10833	RESISTOR 10kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3229	4822 117 10833	RESISTOR 10kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3231	4822 117 11751	RESISTOR 16kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3232	4822 117 11145	RESISTOR 4,7kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3233	4822 117 10839	RESISTOR 130kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3234	4822 117 10833	RESISTOR 10kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3235	4822 117 11751	RESISTOR 16kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3236	4822 117 11145	RESISTOR 4,7kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3237	4822 117 10833	RESISTOR 10kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3238	4822 117 10833	RESISTOR 10kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3239	4822 117 10839	RESISTOR 130kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3240	4822 117 10839	RESISTOR 130kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3244	4822 117 11449	RESISTOR 2,2kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3247	4822 117 11503	RESISTOR 220Ω 0,1W 1%	CDR760/11S	CDR765/11S
3255	4822 117 11449	RESISTOR 2,2kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3259	4822 117 10833	RESISTOR 10kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3260	4822 117 11139	RESISTOR 1,5kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3261	4822 117 11449	RESISTOR 2,2kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3263	4822 117 10834	RESISTOR 47kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3264	4822 051 10102	RESISTOR 1kΩ 0,25W 2%	CDR760/11S	CDR765/11S
3265	4822 051 10102	RESISTOR 1kΩ 0,25W 2%	CDR760/11S	CDR765/11S
3266	4822 051 10102	RESISTOR 1kΩ 0,25W 2%	CDR760/11S	CDR765/11S
3267	4822 117 10833	RESISTOR 10kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3269	4822 051 10102	RESISTOR 1kΩ 0,25W 2%	CDR760/11S	CDR765/11S
3270	4822 117 10965	RESISTOR 18kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3271	4822 117 10965	RESISTOR 18kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3272	4822 117 10965	RESISTOR 18kΩ 0,1W 1%	CDR760/11S	CDR765/11S

20.0) LISTA DE COMPONENTES (continuação)

PAINEL PRINCIPAL CDR (continuação)				
3273	4822 051 10102	RESISTOR 1k Ω 0,25W 2%	CDR760/11S	CDR765/11S
3274	4822 117 10965	RESISTOR 18k Ω 0,1W 1%	CDR760/11S	CDR765/11S
3279	4822 051 10102	RESISTOR 1k Ω 0,25W 2%	CDR760/11S	CDR765/11S
3280	4822 051 10102	RESISTOR 1k Ω 0,25W 2%	CDR760/11S	CDR765/11S
3281	4822 051 10102	RESISTOR 1k Ω 0,25W 2%	CDR760/11S	CDR765/11S
3282	4822 051 10102	RESISTOR 1k Ω 0,25W 2%	CDR760/11S	CDR765/11S
3283	4822 051 10102	RESISTOR 1k Ω 0,25W 2%	CDR760/11S	CDR765/11S
3287	4822 051 10102	RESISTOR 1k Ω 0,25W 2%	CDR760/11S	CDR765/11S
3288	4822 051 10102	RESISTOR 1k Ω 0,25W 2%	CDR760/11S	CDR765/11S
3292	4822 051 10102	RESISTOR 1k Ω 0,25W 2%	CDR760/11S	CDR765/11S
3293	4822 051 10102	RESISTOR 1k Ω 0,25W 2%	CDR760/11S	CDR765/11S
3297	4822 117 11503	RESISTOR 220 Ω 0,1W 1%	CDR760/11S	CDR765/11S
3298	4822 117 11503	RESISTOR 220 Ω 0,1W 1%	CDR760/11S	CDR765/11S
3303	4822 051 10102	RESISTOR 1k Ω 0,25W 2%	CDR760/11S	CDR765/11S
3307	4822 051 10102	RESISTOR 1k Ω 0,25W 2%	CDR760/11S	CDR765/11S
3312	4822 117 10833	RESISTOR 10k Ω 0,1W 1%	CDR760/11S	CDR765/11S
3313	4822 117 10833	RESISTOR 10k Ω 0,1W 1%	CDR760/11S	CDR765/11S
3314	4822 117 10833	RESISTOR 10k Ω 0,1W 1%		CDR765/11S
3315	4822 117 10833	RESISTOR 10k Ω 0,1W 1%	CDR760/11S	
3316	4822 117 10833	RESISTOR 10k Ω 0,1W 1%		CDR765/11S
3317	4822 117 10833	RESISTOR 10k Ω 0,1W 1%	CDR760/11S	
3318	4822 117 10833	RESISTOR 10k Ω 0,1W 1%		CDR765/11S
3319	4822 117 10833	RESISTOR 10k Ω 0,1W 1%	CDR760/11S	
3322	4822 117 10833	RESISTOR 10k Ω 0,1W 1%	CDR760/11S	CDR765/11S
3327	4822 117 10833	RESISTOR 10k Ω 0,1W 1%	CDR760/11S	CDR765/11S
3328	4822 117 11507	RESISTOR 6,8k Ω 0,1W 1%	CDR760/11S	CDR765/11S
3332	4822 051 10102	RESISTOR 1k Ω 0,25W 2%	CDR760/11S	CDR765/11S
3333	4822 117 10833	RESISTOR 10k Ω 0,1W 1%	CDR760/11S	
3333	4822 051 10102	RESISTOR 1k Ω 0,25W 2%		CDR765/11S
3334	4822 117 10833	RESISTOR 10k Ω 0,1W 1%	CDR760/11S	CDR765/11S
3361	4822 117 10833	RESISTOR 10k Ω 0,1W 1%	CDR760/11S	CDR765/11S
3362	4822 117 10833	RESISTOR 10k Ω 0,1W 1%	CDR760/11S	CDR765/11S
3363	4822 117 10833	RESISTOR 10k Ω 0,1W 1%	CDR760/11S	CDR765/11S
3364	4822 117 10833	RESISTOR 10k Ω 0,1W 1%	CDR760/11S	CDR765/11S
3444	4822 117 10833	RESISTOR 10k Ω 0,1W 1%		CDR765/11S
3447	4822 117 10834	RESISTOR 47k Ω 0,1W 1%	CDR760/11S	CDR765/11S
3464	4822 117 11504	RESISTOR 270 Ω 0,1W 1%	CDR760/11S	CDR765/11S
3511	4822 117 11373	RESISTOR 100 Ω 0,1W 1%	CDR760/11S	CDR765/11S
3512	4822 117 11449	RESISTOR 2,2k Ω 0,1W 1%	CDR760/11S	CDR765/11S
3513	4822 117 11373	RESISTOR 100 Ω 0,1W 1%	CDR760/11S	CDR765/11S
3514	4822 117 11449	RESISTOR 2,2k Ω 0,1W 1%	CDR760/11S	CDR765/11S
3515	4822 117 11373	RESISTOR 100 Ω 0,1W 1%	CDR760/11S	CDR765/11S
3516	4822 117 11449	RESISTOR 2,2k Ω 0,1W 1%	CDR760/11S	CDR765/11S
3517	4822 117 11373	RESISTOR 100 Ω 0,1W 1%	CDR760/11S	CDR765/11S
3518	4822 117 11449	RESISTOR 2,2k Ω 0,1W 1%	CDR760/11S	CDR765/11S
3602	4822 117 10833	RESISTOR 10k Ω 0,1W 1%		CDR765/11S
3603	4822 117 10833	RESISTOR 10k Ω 0,1W 1%		CDR765/11S
3604	4822 117 10833	RESISTOR 10k Ω 0,1W 1%		CDR765/11S
3606	4822 117 10833	RESISTOR 10k Ω 0,1W 1%		CDR765/11S
3608	4822 117 10354	RESISTOR 22k Ω 0,1W 1%		CDR765/11S
3609	4822 117 10833	RESISTOR 10k Ω 0,1W 1%		CDR765/11S
3610	4822 117 13472	RESISTOR 5,1k Ω 0,1W 1%		CDR765/11S
3611	4822 117 12955	RESISTOR 2,7k Ω 0,1W 1%		CDR765/11S
3612	4822 117 10833	RESISTOR 10k Ω 0,1W 1%		CDR765/11S
3613	4822 117 10833	RESISTOR 10k Ω 0,1W 1%		CDR765/11S
3614	4822 117 10833	RESISTOR 10k Ω 0,1W 1%		CDR765/11S
3615	4822 117 10354	RESISTOR 22k Ω 0,1W 1%		CDR765/11S
3616	4822 117 10833	RESISTOR 10k Ω 0,1W 1%		CDR765/11S
3617	4822 117 13472	RESISTOR 5,1k Ω 0,1W 1%		CDR765/11S
3618	4822 117 12955	RESISTOR 2,7k Ω 0,1W 1%		CDR765/11S
3620	4822 117 10833	RESISTOR 10k Ω 0,1W 1%	CDR760/11S	CDR765/11S
3622	4822 117 10833	RESISTOR 10k Ω 0,1W 1%		CDR765/11S

20.0) LISTA DE COMPONENTES (continuação)

PAINEL PRINCIPAL CDR (continuação)				
3624	4822 117 10833	RESISTOR 10kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3625	4822 117 10833	RESISTOR 10kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3627	4822 117 10833	RESISTOR 10kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3628	4822 117 10833	RESISTOR 10kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3630	4822 117 11188	RESISTOR 20kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3631	4822 117 11504	RESISTOR 270Ω 0,1W 1%	CDR760/11S	CDR765/11S
3632	4822 117 11504	RESISTOR 270Ω 0,1W 1%	CDR760/11S	CDR765/11S
3633	4822 117 11504	RESISTOR 270Ω 0,1W 1%		CDR765/11S
3635	4822 117 10354	RESISTOR 22kΩ 0,1W 1%		CDR765/11S
3636	4822 117 10354	RESISTOR 22kΩ 0,1W 1%		CDR765/11S
3650	4822 117 10362	RESISTOR 7,5kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3653	4822 117 10362	RESISTOR 7,5kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3659	4822 117 10833	RESISTOR 10kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3660	4822 117 10833	RESISTOR 10kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3661	4822 117 11437	RESISTOR 8,2kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3662	4822 117 11437	RESISTOR 8,2kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3663	4822 117 13085	RESISTOR 5,6kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3664	4822 117 13085	RESISTOR 5,6kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3667	4822 117 10834	RESISTOR 47kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3671	4822 117 11449	RESISTOR 2,2kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3672	4822 117 11449	RESISTOR 2,2kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3923	4822 117 10834	RESISTOR 47kΩ 0,1W 1%	CDR760/11S	CDR765/11S
3924	4822 117 10833	RESISTOR 10kΩ 0,1W 1%		CDR765/11S
3925	4822 117 10833	RESISTOR 10kΩ 0,1W 1%		CDR765/11S
3928	4822 117 10833	RESISTOR 10kΩ 0,1W 1%		CDR765/11S
3929	4822 117 10833	RESISTOR 10kΩ 0,1W 1%		CDR765/11S
3930	4822 117 10833	RESISTOR 10kΩ 0,1W 1%		CDR765/11S
3932	4822 117 10833	RESISTOR 10kΩ 0,1W 1%		CDR765/11S
3933	4822 117 10833	RESISTOR 10kΩ 0,1W 1%		CDR765/11S
5104	4822 157 71659	BOBINA 100μH 15% 7A06L	CDR760/11S	CDR765/11S
5105	4822 157 71206	FILTRO L/C BLM21A601SPT	CDR760/11S	CDR765/11S
5106	4822 157 71658	BOBINA 27μH 15% 7A06L	CDR760/11S	CDR765/11S
5107	4822 157 71658	BOBINA 27μH 15% 7A06L	CDR760/11S	CDR765/11S
5108	4822 157 71658	BOBINA 27μH 15% 7A06L	CDR760/11S	CDR765/11S
5109	4822 157 71658	BOBINA 27μH 15% 7A06L	CDR760/11S	CDR765/11S
5110	4822 157 71659	BOBINA 100μH 15% 7A06L	CDR760/11S	CDR765/11S
5111	4822 157 71659	BOBINA 100μH 15% 7A06L	CDR760/11S	CDR765/11S
5130	4822 157 71206	FILTRO L/C BLM21A601SPT	CDR760/11S	CDR765/11S
5132	4822 157 71206	FILTRO L/C BLM21A601SPT	CDR760/11S	CDR765/11S
5170	4822 157 71206	FILTRO L/C BLM21A601SPT	CDR760/11S	CDR765/11S
5176	4822 157 71206	FILTRO L/C BLM21A601SPT	CDR760/11S	CDR765/11S
5179	4822 157 71206	FILTRO L/C BLM21A601SPT	CDR760/11S	CDR765/11S
5210	4822 157 71206	FILTRO L/C BLM21A601SPT	CDR760/11S	CDR765/11S
5223	4822 157 71206	FILTRO L/C BLM21A601SPT	CDR760/11S	CDR765/11S
5245	4822 157 71206	FILTRO L/C BLM21A601SPT	CDR760/11S	CDR765/11S
5255	4822 157 71206	FILTRO L/C BLM21A601SPT	CDR760/11S	CDR765/11S
5300	4822 157 11404	FILTRO L/C 1000pF 50V	CDR760/11S	CDR765/11S
5301	4822 157 71206	FILTRO L/C BLM21A601SPT	CDR760/11S	CDR765/11S
5302	4822 157 71206	FILTRO L/C BLM21A601SPT	CDR760/11S	CDR765/11S
5303	4822 157 71206	FILTRO L/C BLM21A601SPT	CDR760/11S	CDR765/11S
5304	4822 157 71206	FILTRO L/C BLM21A601SPT	CDR760/11S	CDR765/11S
5420	4822 242 82201	FILTRO L/C DSS306-92F223Z16	CDR760/11S	CDR765/11S
5421	4822 157 11716	FILTRO L/C BLM21P300SPT	CDR760/11S	CDR765/11S
5422	4822 242 82201	FILTRO L/C DSS306-92F223Z16	CDR760/11S	CDR765/11S
5423	4822 157 11716	FILTRO L/C BLM21P300SPT	CDR760/11S	CDR765/11S
5424	4822 242 82201	FILTRO L/C DSS306-92F223Z16	CDR760/11S	CDR765/11S
5425	4822 157 11716	FILTRO L/C BLM21P300SPT	CDR760/11S	CDR765/11S
5430	4822 157 71206	FILTRO L/C BLM21A601SPT	CDR760/11S	CDR765/11S
5450	4822 157 70601	BOBINA 100μH	CDR760/11S	CDR765/11S
5600	4822 157 71206	FILTRO L/C BLM21A601SPT		CDR765/11S
5601	4822 157 71206	FILTRO L/C BLM21A601SPT		CDR765/11S
5602	4822 157 71206	FILTRO L/C BLM21A601SPT	CDR760/11S	CDR765/11S

20.0 LISTA DE COMPONENTES (continuação)

PAINEL PRINCIPAL CDR (continuação)				
5604	4822 157 71206	FILTRO L/C BLM21A601SPT		CDR765/11S
5605	4822 157 71206	FILTRO L/C BLM21A601SPT		CDR765/11S
5606	4822 157 71206	FILTRO L/C BLM21A601SPT		CDR765/11S
5651	4822 157 71206	FILTRO L/C BLM21A601SPT	CDR760/11S	CDR765/11S
5652	4822 157 71206	FILTRO L/C BLM21A601SPT	CDR760/11S	CDR765/11S
5653	4822 157 71206	FILTRO L/C BLM21A601SPT	CDR760/11S	CDR765/11S
5654	4822 157 71206	FILTRO L/C BLM21A601SPT	CDR760/11S	CDR765/11S
6120	4822 130 10654	DIODO BAT254	CDR760/11S	CDR765/11S
6130	4822 130 83757	DIODO BAS216	CDR760/11S	CDR765/11S
6140	4822 130 83757	DIODO BAS216	CDR760/11S	CDR765/11S
6141	4822 130 83757	DIODO BAS216	CDR760/11S	CDR765/11S
6155	4822 130 10654	DIODO BAT254	CDR760/11S	CDR765/11S
6185	4822 130 83757	DIODO BAS216	CDR760/11S	CDR765/11S
6186	4822 130 83757	DIODO BAS216	CDR760/11S	CDR765/11S
6285	4822 130 83757	DIODO BAS216	CDR760/11S	CDR765/11S
6286	4822 130 83757	DIODO BAS216	CDR760/11S	CDR765/11S
6290	4822 130 83757	DIODO BAS216	CDR760/11S	CDR765/11S
6291	4822 130 83757	DIODO BAS216	CDR760/11S	CDR765/11S
6295	4822 130 83757	DIODO BAS216	CDR760/11S	CDR765/11S
6296	4822 130 83757	DIODO BAS216	CDR760/11S	CDR765/11S
6300	4822 130 83757	DIODO BAS216	CDR760/11S	CDR765/11S
6301	4822 130 83757	DIODO BAS216	CDR760/11S	CDR765/11S
6432	4822 130 83757	DIODO BAS216	CDR760/11S	CDR765/11S
6600	4822 130 11383	DIODO ZENER BZX284-C5V1		CDR765/11S
7105	4822 209 15602	CIRC. INTEGR. DIG. SZA1010T/K1	CDR760/11S	CDR765/11S
7120	5322 130 44787	TRANSISTOR BFR31	CDR760/11S	CDR765/11S
7121	5322 130 60508	TRANSISTOR BC857B	CDR760/11S	CDR765/11S
7130	4822 209 33421	CIRC. INTEGR. DIG. OQ8845	CDR760/11S	CDR765/11S
7150	4822 209 30732	CIRC. INTEGR. ANALÓG. LM319D	CDR760/11S	CDR765/11S
7170	4822 209 14785	CIRC. INTEGR. DIG. SERVO CONTROLLER V 2	CDR760/11S	CDR765/11S
7182	5322 130 60508	TRANSISTOR BC857B	CDR760/11S	CDR765/11S
7183	4822 130 60142	TRANSISTOR BC869	CDR760/11S	CDR765/11S
7185	5322 130 61569	TRANSISTOR BC868	CDR760/11S	CDR765/11S
7186	4822 130 60511	TRANSISTOR BC847B	CDR760/11S	CDR765/11S
7192	5322 130 60508	TRANSISTOR BC857B	CDR760/11S	CDR765/11S
7193	4822 130 60142	TRANSISTOR BC869	CDR760/11S	CDR765/11S
7195	5322 130 61569	TRANSISTOR BC868	CDR760/11S	CDR765/11S
7200	4822 130 60511	TRANSISTOR BC847B	CDR760/11S	CDR765/11S
7205	4822 209 60792	CIRC. INTEGR. DIG. STAN 74HC4053D	CDR760/11S	CDR765/11S
7209	4822 130 60511	TRANSISTOR BC847B	CDR760/11S	CDR765/11S
7210	4822 209 16438	CIRC. INTEGR. DIG. DRAM CD65WD	CDR760/11S	CDR765/11S
7223	5322 130 42718	TRANSISTOR BFS20	CDR760/11S	CDR765/11S
7224	4822 130 60383	TRANSISTOR BF824	CDR760/11S	CDR765/11S
7225	5322 130 42718	TRANSISTOR BFS20	CDR760/11S	CDR765/11S
7230	5322 209 61482	CIRC. INTEGR. DIG. PC74HC4066T	CDR760/11S	CDR765/11S
7235	4822 209 30095	CIRC. INTEGR. ANALÓG. LM833D	CDR760/11S	CDR765/11S
7240	5322 209 61482	CIRC. INTEGR. DIG. PC74HC4066T	CDR760/11S	CDR765/11S
7241	5322 209 73179	CIRC. INTEGR. DIG. 74HCT74D	CDR760/11S	CDR765/11S
7245	4822 209 33417	CIRC. INTEGR. ANALÓG. TDA1371H/N1	CDR760/11S	CDR765/11S
7260	4822 209 60792	CIRC. INTEGR. DIG. STAN 74HC4053D		CDR765/11S
7270	4822 209 31615	CIRC. INTEGR. ANALÓG. LM324AD	CDR760/11S	CDR765/11S
7271	4822 130 60511	TRANSISTOR BC847B	CDR760/11S	CDR765/11S
7272	5322 130 60508	TRANSISTOR BC857B	CDR760/11S	CDR765/11S
7280	4822 209 60792	CIRC. INTEGR. DIG. STAN 74HC4053D	CDR760/11S	CDR765/11S
7282	4822 209 31615	CIRC. INTEGR. ANALÓG. LM324AD	CDR760/11S	CDR765/11S
7285	5322 209 61482	CIRC. INTEGR. DIG. PC74HC4066T	CDR760/11S	CDR765/11S
7286	4822 130 60511	TRANSISTOR BC847B	CDR760/11S	CDR765/11S
7287	5322 130 60508	TRANSISTOR BC857B	CDR760/11S	CDR765/11S
7288	4822 130 60142	TRANSISTOR BC869	CDR760/11S	CDR765/11S
7289	5322 130 61569	TRANSISTOR BC868	CDR760/11S	CDR765/11S
7290	4822 130 60511	TRANSISTOR BC847B	CDR760/11S	CDR765/11S
7291	5322 130 60508	TRANSISTOR BC857B	CDR760/11S	CDR765/11S

20.0) LISTA DE COMPONENTES (continuação)

PAINEL PRINCIPAL CDR (continuação)				
7292	4822 130 60142	TRANSISTOR BC869	CDR760/11S	CDR765/11S
7293	5322 130 61569	TRANSISTOR BC868	CDR760/11S	CDR765/11S
7294	4822 130 60511	TRANSISTOR BC847B	CDR760/11S	CDR765/11S
7295	5322 130 60508	TRANSISTOR BC857B	CDR760/11S	CDR765/11S
7296	4822 130 60142	TRANSISTOR BC869	CDR760/11S	CDR765/11S
7297	5322 130 61569	TRANSISTOR BC868	CDR760/11S	CDR765/11S
7300	4822 209 30095	CIRC. INTEGR. ANALÓG. LM833D	CDR760/11S	CDR765/11S
7301	4822 130 60511	TRANSISTOR BC847B	CDR760/11S	CDR765/11S
7302	4822 130 60511	TRANSISTOR BC847B	CDR760/11S	CDR765/11S
7310	4822 209 31275	CIRC. INTEGR. ANALÓG. MC34064D5	CDR760/11S	CDR765/11S
7320	4822 209 16834	CIRC. INTEGR. DIG. MICROCONTR. MC68HC08AB0	CDR760/11S	CDR765/11S
7322	4822 209 16833	CIRC. INTEGR. DIG. E2PROM M27C40001-45XF1+SOFT	CDR760/11S	
7322	4822 209 16879	CIRC. INTEGR. DIG. EPROM		CDR765/11S
7323	4822 209 16439	CIRC. INTEGR. DIG. SRAM CY6264-70SNC	CDR760/11S	CDR765/11S
7325	5322 209 11548	CIRC. INTEGR. DIG. 74HC14D	CDR760/11S	CDR765/11S
7326	4822 130 60511	TRANSISTOR BC847B	CDR760/11S	CDR765/11S
7403	5322 209 61482	CIRC. INTEGR. DIG. PC74HC4066T	CDR760/11S	CDR765/11S
7410	5322 209 61132	CIRC. INTEGR. DIG. PC74HCT4052T	CDR760/11S	CDR765/11S
7411	5322 209 61132	CIRC. INTEGR. DIG. PC74HCT4052T	CDR760/11S	CDR765/11S
7445	5322 130 60508	TRANSISTOR BC857B	CDR760/11S	CDR765/11S
7446	5322 130 60508	TRANSISTOR BC857B	CDR760/11S	CDR765/11S
7447	4822 130 60511	TRANSISTOR BC847B	CDR760/11S	CDR765/11S
7448	4822 130 60511	TRANSISTOR BC847B	CDR760/11S	CDR765/11S
7465	4822 209 33395	CIRC. INTEGR. ANALÓG. TDA1315H/N2	CDR760/11S	CDR765/11S
7500	5322 209 11517	CIRC. INTEGR. DIG. PC74HCU04T	CDR760/11S	CDR765/11S
7501	4822 130 60511	TRANSISTOR BC847B	CDR760/11S	CDR765/11S
7502	4822 130 60511	TRANSISTOR BC847B	CDR760/11S	CDR765/11S
7503	4822 130 60511	TRANSISTOR BC847B	CDR760/11S	CDR765/11S
7504	4822 130 60511	TRANSISTOR BC847B	CDR760/11S	CDR765/11S
7600	4822 209 30095	CIRC. INTEGR. ANALÓG. LM833D		CDR765/11S
7601	5322 209 61132	CIRC. INTEGR. DIG. PC74HCT4052T		CDR765/11S
7602	4822 209 30095	CIRC. INTEGR. ANALÓG. LM833D		CDR765/11S
7603	4822 209 33397	CIRC. INTEGR. DIG. SAA7366T	CDR760/11S	CDR765/11S
7604	4822 209 72042	CIRC. INTEGR. ANALÓG. L78L05ACZ	CDR760/11S	CDR765/11S
7605	4822 209 60792	CIRC. INTEGR. DIG. STAN 74HC4053D		CDR765/11S
7610	4822 130 60511	TRANSISTOR BC847B	CDR760/11S	CDR765/11S
7611	4822 130 60511	TRANSISTOR BC847B	CDR760/11S	CDR765/11S
7650	4822 209 33403	CIRC. INTEGR. ANALÓG. TDA1305T/N2	CDR760/11S	CDR765/11S
7651	4822 209 30095	CIRC. INTEGR. ANALÓG. LM833D	CDR760/11S	CDR765/11S
7652	4822 209 82362	CIRC. INTEGR. ANALÓG. NJM4556D	CDR760/11S	CDR765/11S

PAINÉIS: DISPLAY - NÍVEL/FONE DE OUVIDO - FONE DE OUVIDO - SAÍDA DO CD - LIGA/DESLIGA				
1003	4822 256 10503	SUPORTE PLÁSTICO DO DISPLAY	CDR760/11S	
1003	4822 256 10506	SUPORTE PLÁSTICO DO DISPLAY		CDR765/11S
1201	4822 276 13114	MICRO-CHAVE	CDR760/11S	CDR765/11S
1202	4822 276 13114	MICRO-CHAVE	CDR760/11S	CDR765/11S
1203	4822 276 13114	MICRO-CHAVE	CDR760/11S	CDR765/11S
1204	4822 276 13114	MICRO-CHAVE	CDR760/11S	CDR765/11S
1205	4822 276 13114	MICRO-CHAVE	CDR760/11S	CDR765/11S
1206	4822 276 13114	MICRO-CHAVE	CDR760/11S	CDR765/11S
1207	4822 276 13114	MICRO-CHAVE	CDR760/11S	CDR765/11S
1208	4822 276 13114	MICRO-CHAVE	CDR760/11S	CDR765/11S
1209	4822 276 13114	MICRO-CHAVE	CDR760/11S	CDR765/11S
1210	4822 276 13114	MICRO-CHAVE	CDR760/11S	CDR765/11S
1211	4822 276 13114	MICRO-CHAVE	CDR760/11S	CDR765/11S
1212	4822 276 13114	MICRO-CHAVE	CDR760/11S	CDR765/11S
1213	4822 276 13114	MICRO-CHAVE	CDR760/11S	CDR765/11S
1230	4822 242 10753	FILTRO CERÂMICO CSTCS8,00MT-TC	CDR760/11S	CDR765/11S
1240	4822 276 13114	MICRO-CHAVE		CDR765/11S
1241	4822 276 13114	MICRO-CHAVE		CDR765/11S
1242	4822 276 13114	MICRO-CHAVE		CDR765/11S
1243	4822 276 13114	MICRO-CHAVE		CDR765/11S

20.0) LISTA DE COMPONENTES (continuação)

PAINEL PRINCIPAL CD (continuação)				
5249	4822 157 71206	FILTRO L/C BLM21A601SPT		CDR765/11S
5250	4822 157 71206	FILTRO L/C BLM21A601SPT		CDR765/11S
5251	4822 157 71206	FILTRO L/C BLM21A601SPT		CDR765/11S
5260	4822 157 71206	FILTRO L/C BLM21A601SPT		CDR765/11S
6200	5322 130 80214	DIODO BAS28		CDR765/11S
7104	4822 130 60511	TRANSISTOR BC847B		CDR765/11S
7105	5322 130 60803	TRANSISTOR BST72A		CDR765/11S
7106	5322 130 60508	TRANSISTOR BC857B		CDR765/11S
7107	4822 130 60511	TRANSISTOR BC847B		CDR765/11S
7108	4822 130 60511	TRANSISTOR BC847B		CDR765/11S
7109	5322 209 11517	CIRC. INTEGR. DIG. PC74HCU04T		CDR765/11S
7110	4822 130 60511	TRANSISTOR BC847B		CDR765/11S
7111	4822 130 60511	TRANSISTOR BC847B		CDR765/11S
7160	4822 209 32852	CIRC. INTEGR. ANALÓG. TDA7073A/N2		CDR765/11S
7161	4822 209 32852	CIRC. INTEGR. ANALÓG. TDA7073A/N2		CDR765/11S
7180	4822 209 90341	CIRC. INTEGR. DIG. SAA7372GP/M1		CDR765/11S
7200	5322 130 60508	TRANSISTOR BC857B		CDR765/11S
7201	4822 130 60142	TRANSISTOR BC869		CDR765/11S
7202	5322 130 61569	TRANSISTOR BC868		CDR765/11S
7203	4822 130 60142	TRANSISTOR BC869		CDR765/11S
7204	5322 130 60508	TRANSISTOR BC857B		CDR765/11S
7205	5322 130 61569	TRANSISTOR BC868		CDR765/11S
7220	4822 209 16881	CIRC. INTEGR. DIG. SRAM		CDR765/11S
7240	4822 209 33403	CIRC. INTEGR. ANALÓG. TDA1305T/N2		CDR765/11S
7241	4822 209 30095	CIRC. INTEGR. ANALÓG. LM833D		CDR765/11S
8001	4822 320 12451	CABO FLEXÍVEL		CDR765/11S
8005	4822 320 12475	CABO FLEXÍVEL		CDR765/11S

PAINEL FONTE				
1003	4822 218 11938	PAINEL FONTE MONTADO 20PS314/00	CDR760/11S	CDR765/11S

OBSERVAÇÕES:

- 1) O mecanismo CDR defeituoso deverá ser acondicionado na embalagem do novo e armazenado, para posterior devolução à PHILIPS.
- 2) O Painel Principal CDR deve ser preferivelmente reparado, em caso de substituição o painel novo somente será fornecido sob consulta ao Suporte Técnico/HELP DESK, e o painel defeituoso deverá ser acondicionado na embalagem do novo e armazenado, para posterior devolução à PHILIPS.