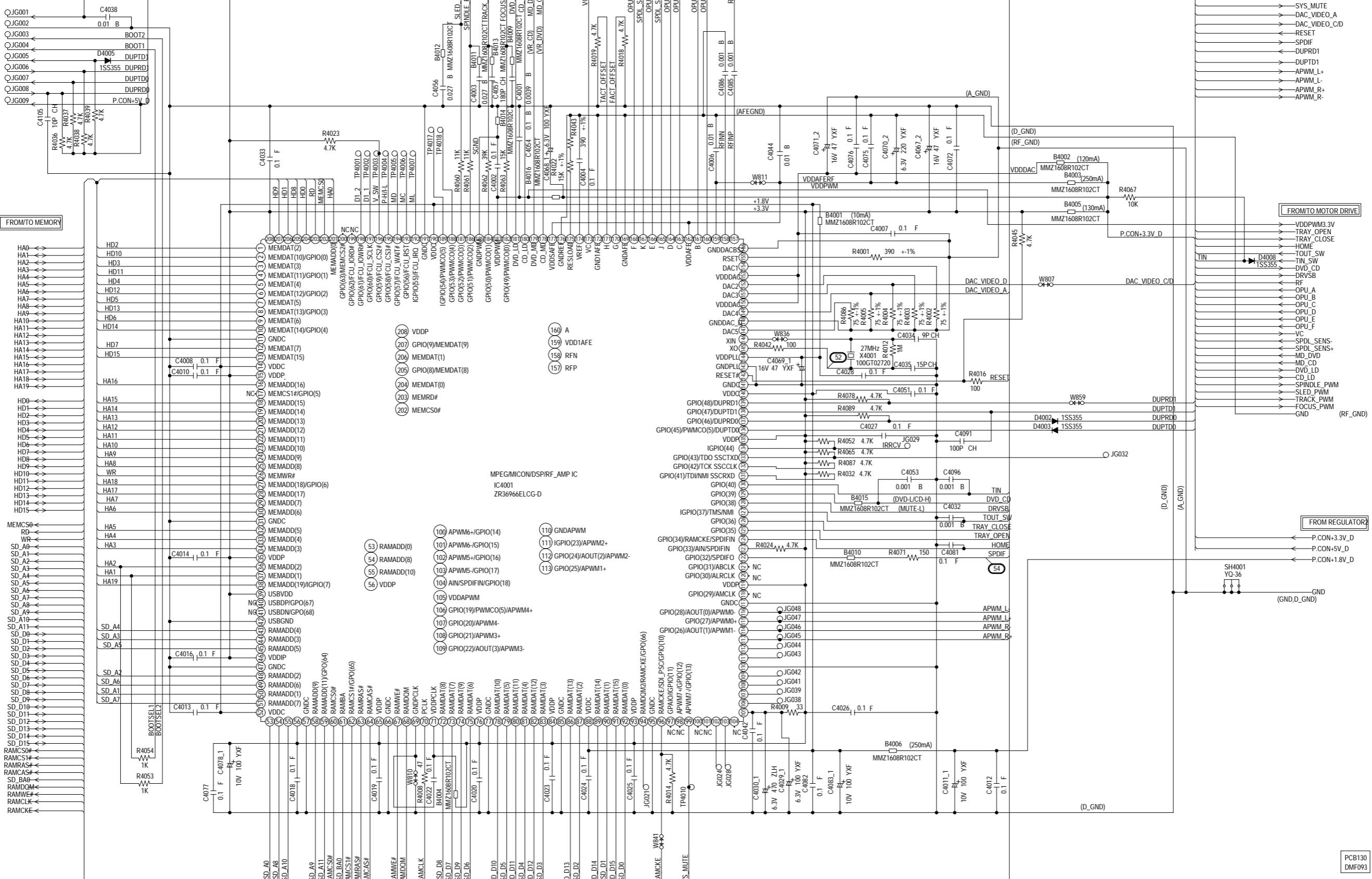
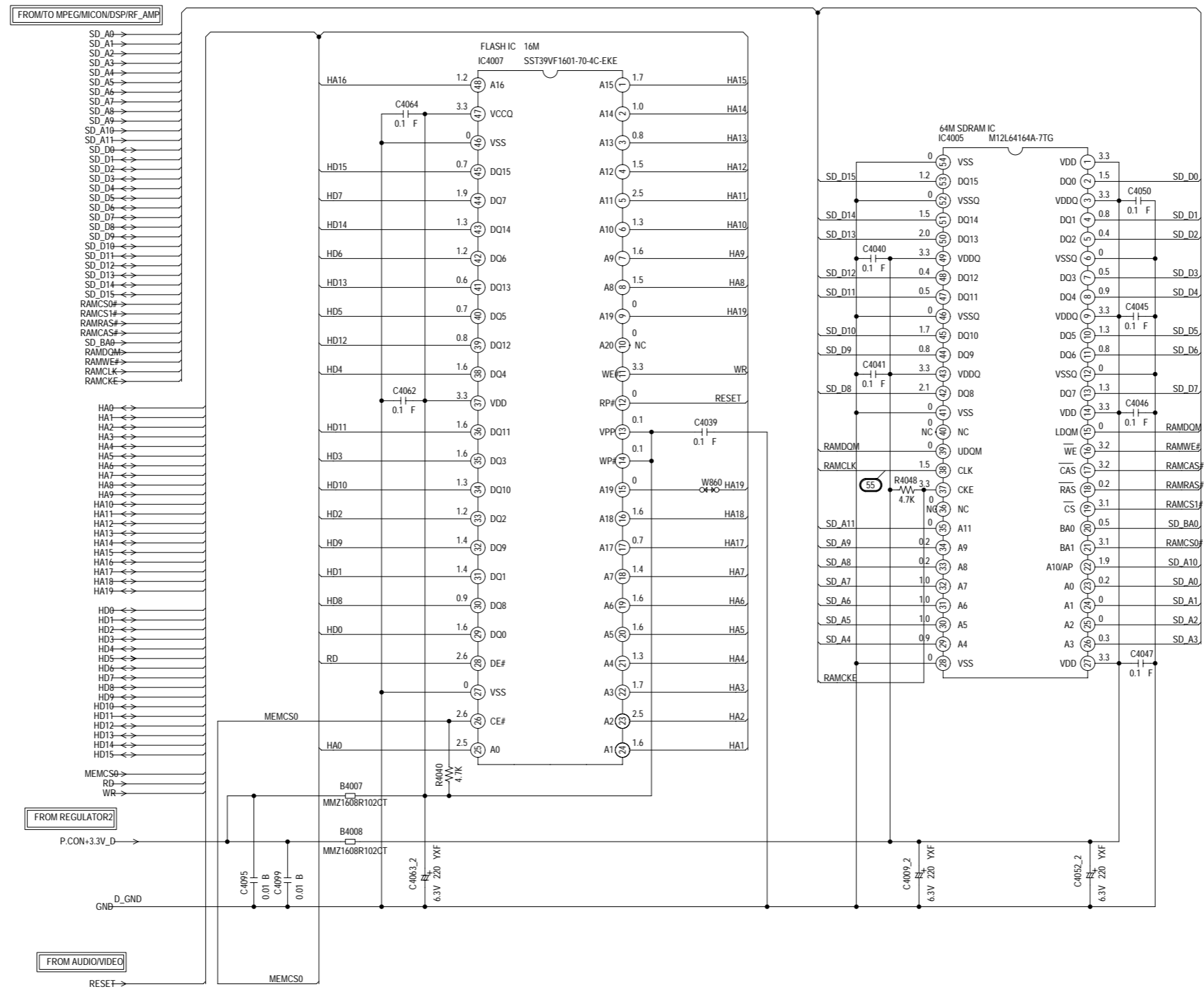


(DVD MT PCB)



NOTE:THE DC VOLTAGE EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

MEMORY SCHEMATIC DIAGRAM  
(DVD MT PCB)

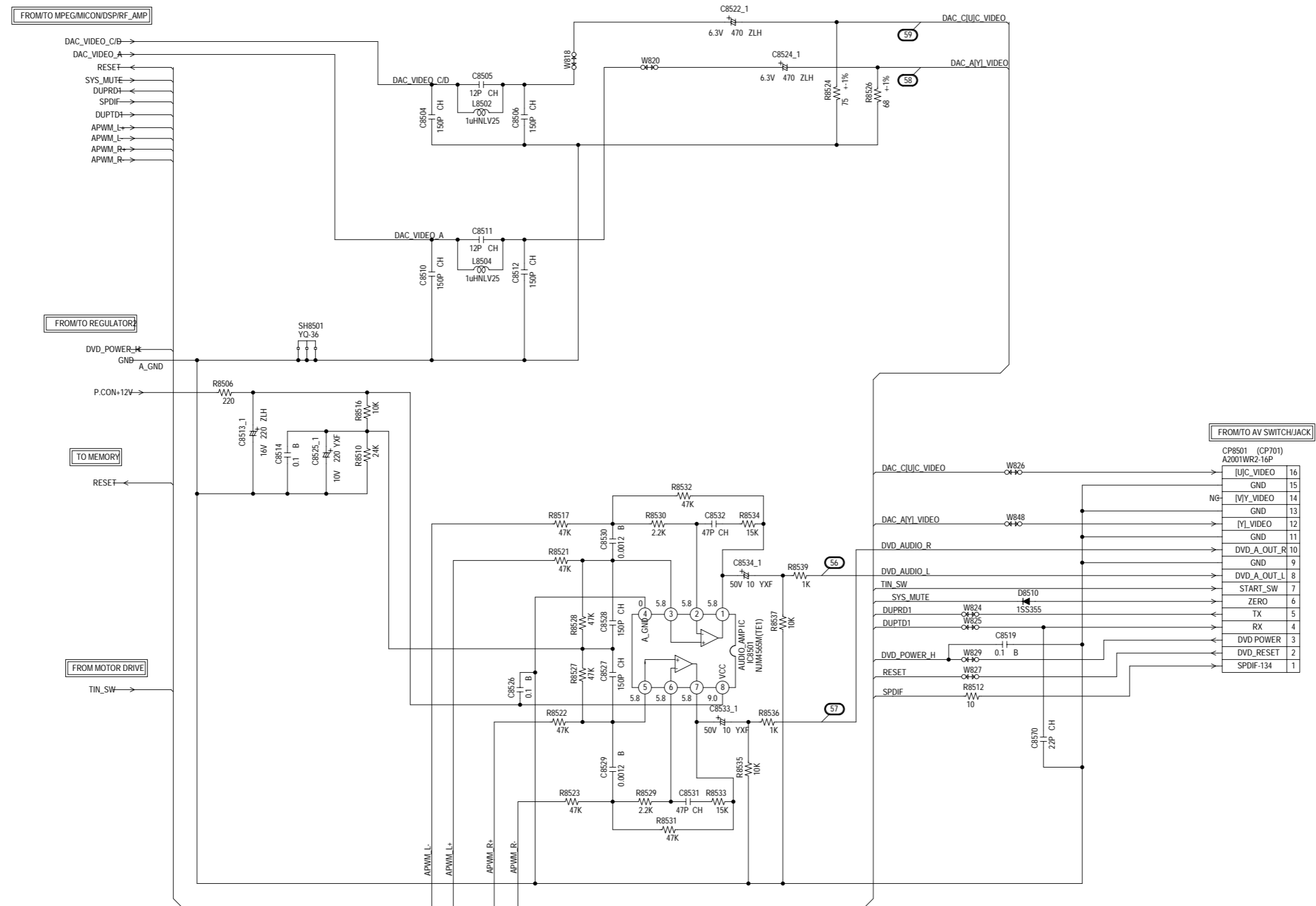


NOTE:THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME  
OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE

NOTE:THE DC VOLTAGE EACH PART WAS  
MEASURED WITH THE DIGITAL TESTER  
DURING PLAYBACK.

PCB130  
DMF093

## AUDIO/VIDEO SCHEMATIC DIAGRAM



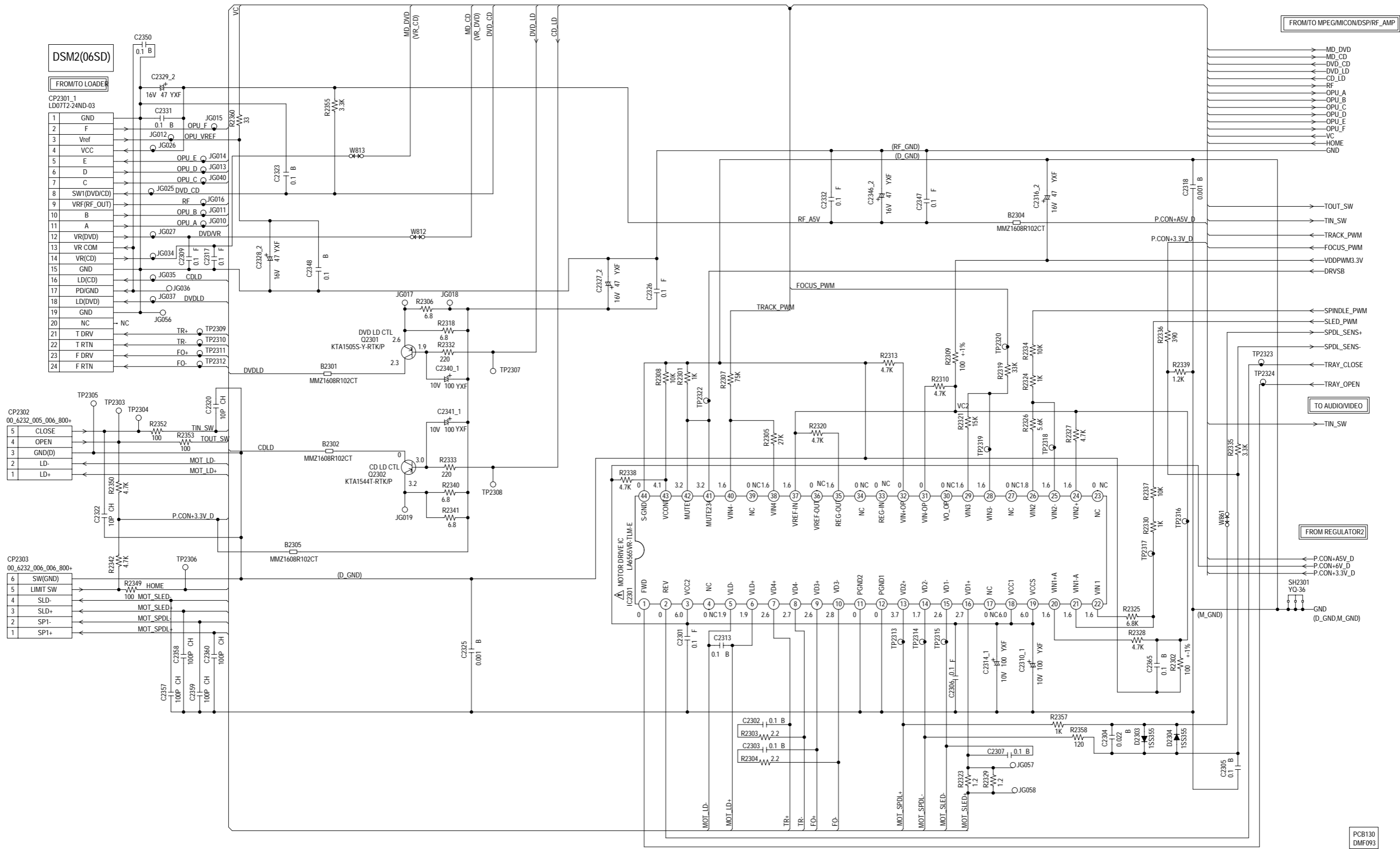
NOTE:THE DC VOLTAGE EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

PCB130  
DMF093

# MOTOR DRIVE SCHEMATIC DIAGRAM

(DVD MT PCB)



**CAUTION** SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

**ATTENTION** LES PIÈCES REPARÉES PAR UN ÉTANT DANGEREUSES AU POINT DE VUE SÉCURITÉ N'UTILISER QUE CELLES DÉCRITES DANS LA NOMENCLATURE DES PIÈCES

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE

NOTE: THE DC VOLTAGE EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

PCB130 DMF093

**REGULATOR2 SCHEMATIC DIAGRAM**  
(DVD MT PCB)

**CAUTION:** FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE FUSE 5A 32V (F3001)

**ATTENTION:** POUR UNE PROTECTION CONTINUE LES RISQUES D'INCENDIE N'UTILISER QUE DES FUSIBLE DE MEME TYPE 5A 32V (F3001)

**CAUTION:** F3001 IS MANUFACTURED BY COOPER INDUSTRIES INC., TYPE 1206FA-T.

**CAUTION:** SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

**ATTENTION:** LES PIECES REPAREES PAR UN ETANT DANGEREUSES AN POINT DE VUE SECURITE N'UTILISER QUE CELLS DECRITES DANS LA NOMENCLATURE DES PIECES

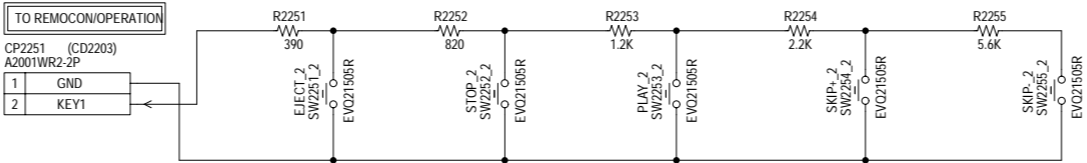
**NOTE:** THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE

**NOTE:** THE DC VOLTAGE EACH PART WAS MEASURED WITH THE DIGITAL TESTER DURING PLAYBACK.

**CAUTION:** DIGITAL TRANSISTOR

OPERATION2 SCHEMATIC DIAGRAM

(OPERATION2 PCB)



PCB280  
DEF132

NOTE:THE DC VOLTAGE AT EACH PART WAS MEASURED  
WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST  
WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

NOTE:THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME  
OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE

ASIC SCHEMATIC DIAGRAM  
(DIGITAL PCB)

TO LVDS

R7<  
R6<  
R5<  
R4<  
R3<  
R2<  
R1<  
R0<  
G7<  
G6<  
G5<  
G4<  
G3<  
G2<  
G1<  
G0<  
B7<  
B6<  
B5<  
B4<  
B3<  
B2<  
B1<  
B0<  
DCLK1<  
DHS<  
DVS<  
DEN<

FROM INTERFACE\_HDMI IC

DVIDATA0->  
DVIDATA1->  
DVIDATA2->  
DVIDATA3->  
DVIDATA4->  
DVIDATA5->  
DVIDATA6->  
DVIDATA7->  
DVIDATA8->  
DVIDATA9->  
DVIDATA10->  
DVIDATA11->  
DVIDATA12->  
DVIDATA13->  
DVIDATA14->  
DVIDATA15->  
DVIDATA16->  
DVIDATA17->  
DVIDATA18->  
DVIDATA19->  
DVIDATA20->  
DVIDATA21->  
DVIDATA22->  
DVIDATA23->  
DVICLK->  
DVIHSYNC->  
DVI VSYNC->  
DVIDE->

FROM VIDEO AD CONVERTER

DVIDATA0->  
DVIDATA1->  
DVIDATA2->  
DVIDATA3->  
DVIDATA4->  
DVIDATA5->  
DVIDATA6->  
DVIDATA7->  
DVIDATA8->  
DVIDATA9->  
DVIDATA10->  
DVIDATA11->  
DVIDATA12->  
DVIDATA13->  
DVIDATA14->  
DVIDATA15->  
DVIDATA16->  
DVIDATA17->  
DVIDATA18->  
DVIDATA19->  
DVIDATA20->  
DVIDATA21->  
DVIDATA22->  
DVIDATA23->  
DVICLK->  
DVIHSYNC->  
DVI VSYNC->  
DVIDE->

X\_RESET\_OUT#

FROM MICRON

DTV\_RESET#

FROM FLASH

DTV\_RESET#

FROM POWER3

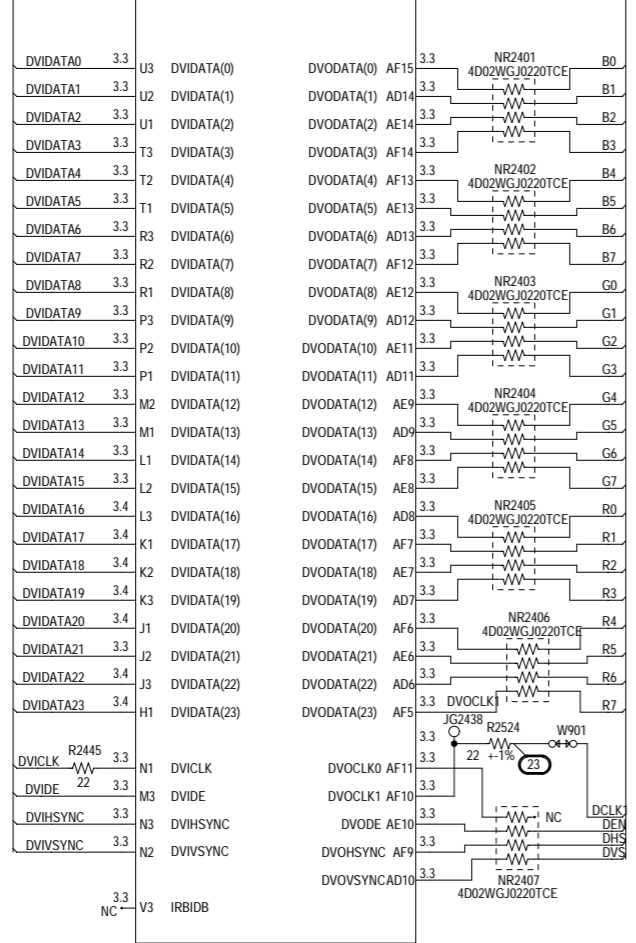
VDDC\_1.0V->

+2.5V\_IO->

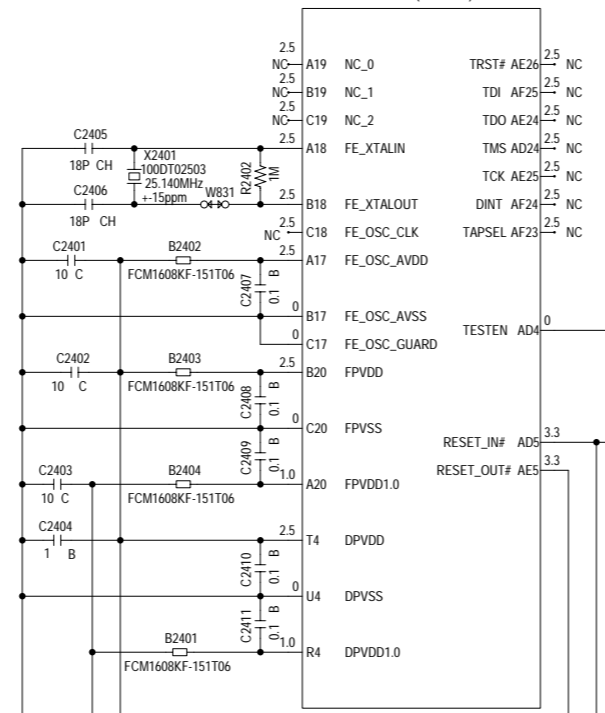
+3.3V->

GND

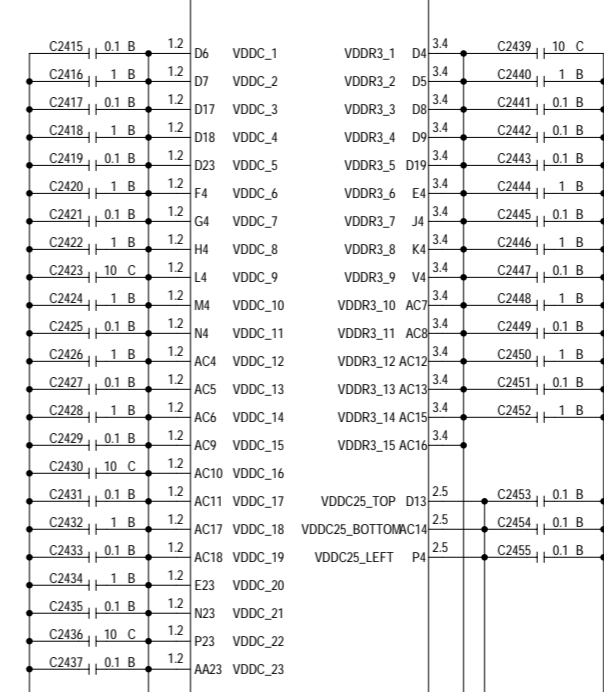
ATSC/CLEAR CABLE ASIC IC  
IC2401 X242 (10/14 DVI/DVO)



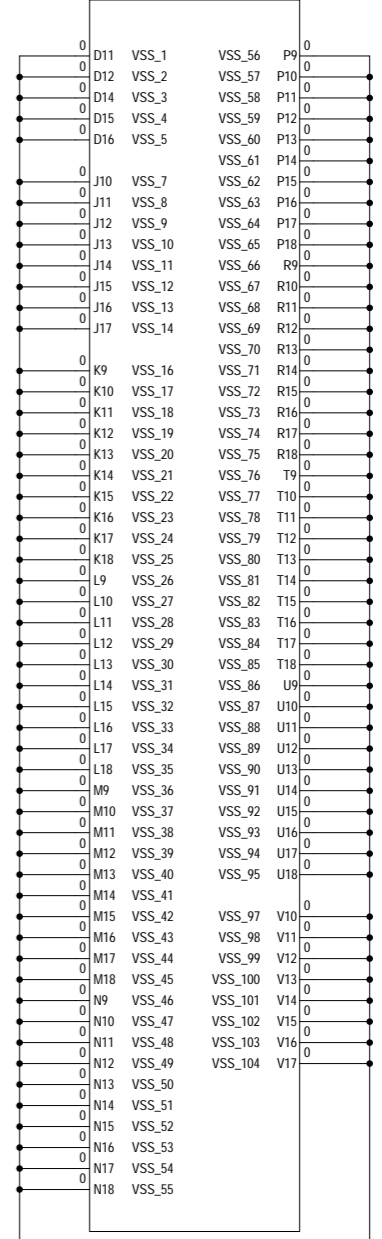
ATSC/CLEAR CABLE ASIC IC  
IC2401 X242 (4/14 OSC)



ATSC/CLEAR CABLE ASIC IC  
IC2401 X242 (1/14 VDD)



ATSC/CLEAR CABLE ASIC IC  
IC2401 X242 (2/14 VSS)



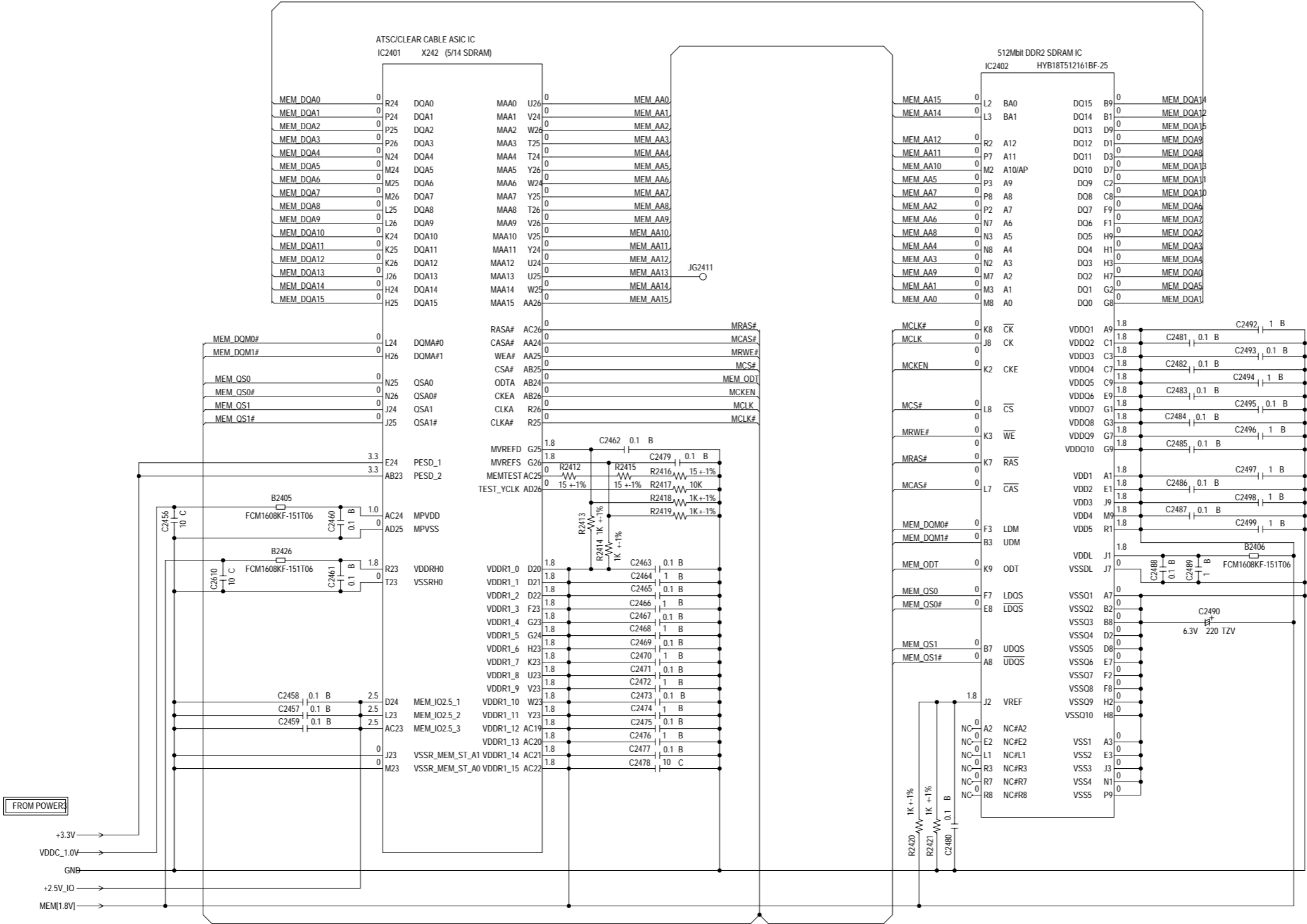
HS2401  
763WAA0359  
NC NC

PCBDH0  
CEF285

NOTE:THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME  
OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE

NOTE:THE DC VOLTAGE AT EACH PART WAS MEASURED  
WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST  
WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

SDRAM SCHEMATIC DIAGRAM  
(DIGITAL PCB)



NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE

NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

PCBDH0  
CEF285

FLASH SCHEMATIC DIAGRAM  
(DIGITAL PCB)

FROM/TO FIRM UPDATE

CP2401	YKF45-0036N
1	+5V
2	USBN
3	USBP
4	GND

FROM/TO AV SWITCH/JACK

I2C\_DATA  
I2C\_CLK  
TWIRE\_TXDG  
TWIRE\_RXDG

FROM/TO MICON

TX\_I[242]  
RX\_I[242]

FROM/TO ASIC

DTV\_RESET

FROM/TO VIDEO AD CONVERTER

I2C\_CLKC  
I2C\_DATC  
DVI\_INT\_ADC

FROM POWER

+3.3V  
DTV\_+5V

FROM/TO INTERFACE\_HDMI IC

DVI\_INT\_HDMI  
I2C\_CLKC  
I2C\_DATC

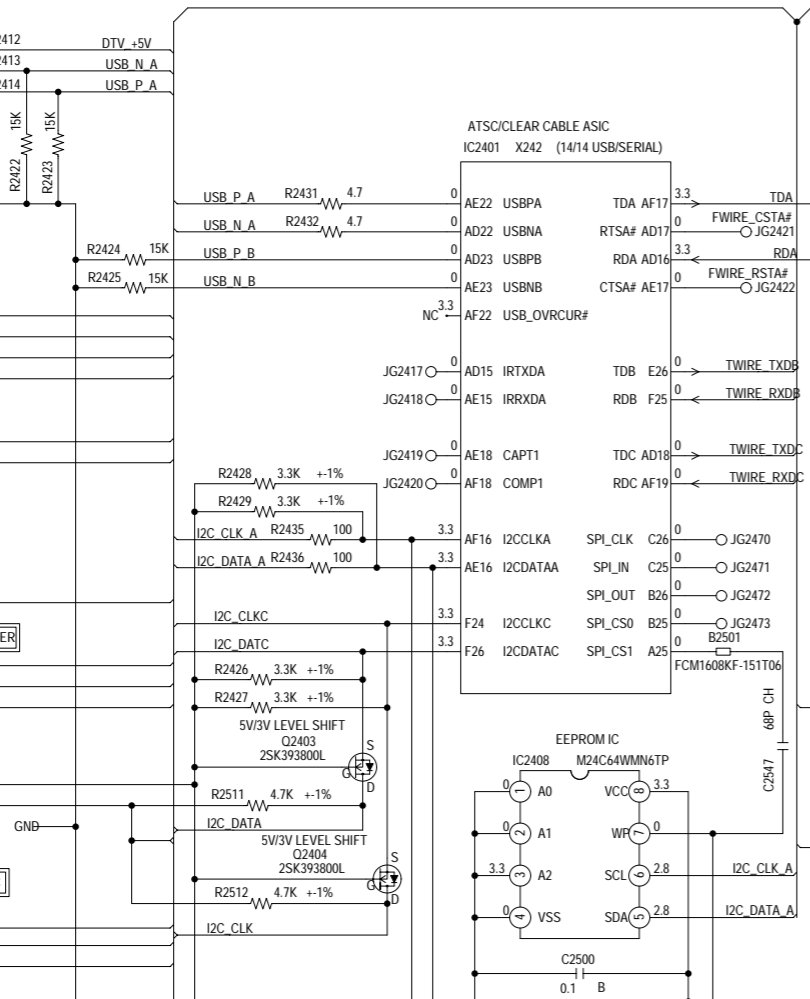
FROM/TO SOUND

I2C\_DATA  
I2C\_CLK

FOR DEBUG

CP2402 A2001WV2-9P

1	GND
2	I2C_CLK_A
3	I2C_DATA_A
4	DTV_IIC_OFF
5	GND
6	RDB
7	XDB
8	5V or 3.3V
9	DTV RESET

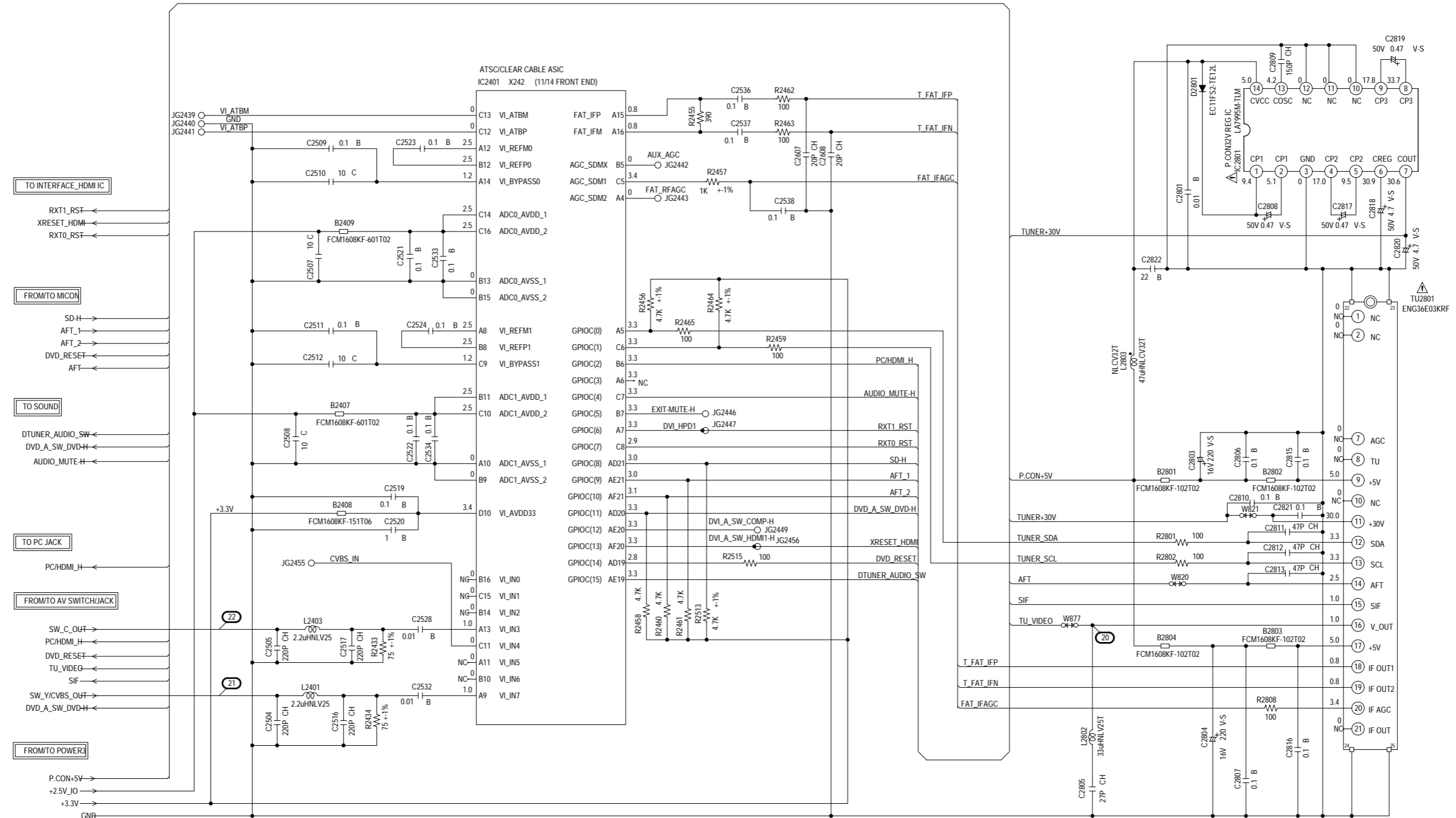


NOTE:THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME  
OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE

NOTE:THE DC VOLTAGE AT EACH PART WAS MEASURED  
WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST  
WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.


PCBDH0  
CEF285

## FRONT END SCHEMATIC DIAGRAM (DIGITAL PCB)



NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE

NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

**CAUTION** SINCE THESE PARTS MARKED BY  ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

**ATTENTION** LES PIÈCES RÉPARÉES PAR UN  ÉTANT DANGEREUSES AU POINT DE VUE SÉCURITÉ N'UTILISER QUE CELLES DÉCRITES DANS LA NOMENCLATURE DES PIÈCES

PCBDH0  
CEF285

(DIGITAL PCB)

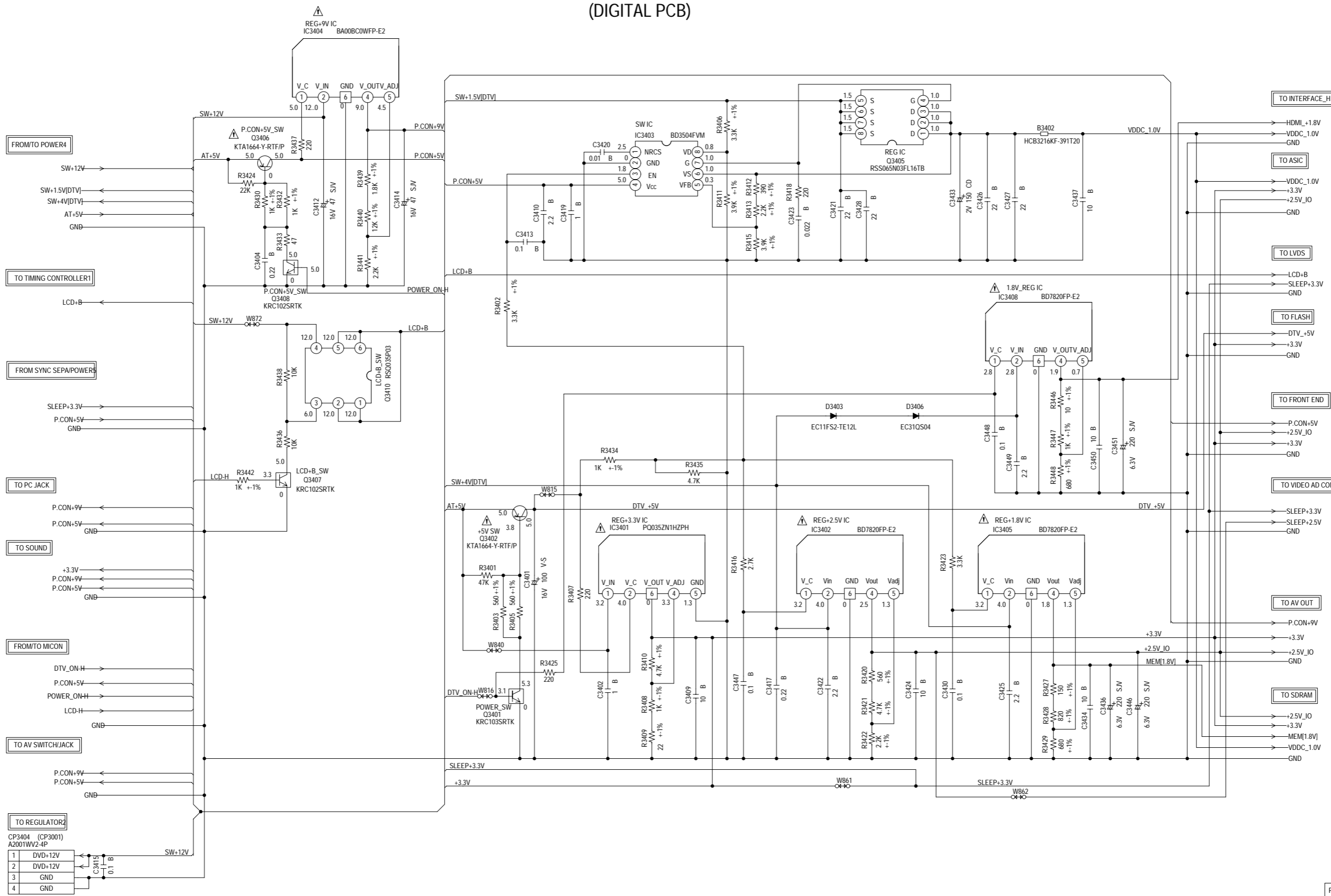


NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

PCBDH0  
CEF285

POWER3 SCHEMATIC DIAGRAM  
(DIGITAL PCB)



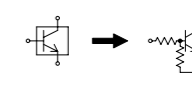
NOTE:THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME  
OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE

NOTE:THE DC VOLTAGE AT EACH PART WAS MEASURED  
WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST  
WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

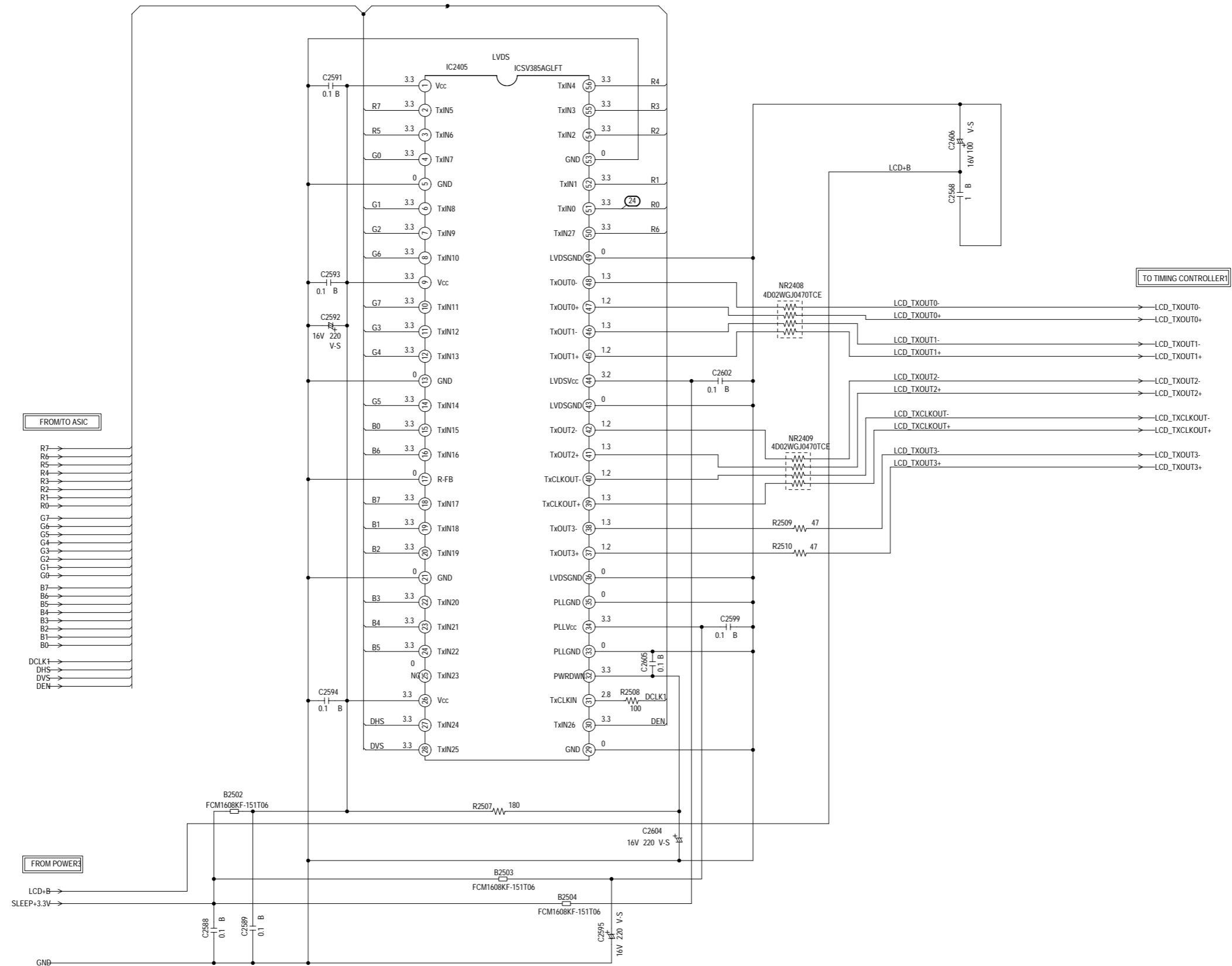
CAUTION SINCE THESE PARTS MARKED BY ARE  
CRITICAL FOR SAFETY,USE ONES  
DESCRIBED IN PARTS LIST ONLY .

ATTENTION LES PIECES REPARÉES PAR UN ETANT  
DANGEREUSES AN POINT DE VUE SECURITE  
N'UTILISER QUE CELLS DECRITES  
DANS LA NOMENCLATURE DES PIECES

CAUTION: DIGITAL TRANSISTOR



## LVDS SCHEMATIC DIAGRAM (DIGITAL PCB)



NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE

NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

PCBDH0  
CEF285

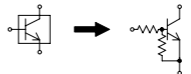
(DIGITAL PCB)



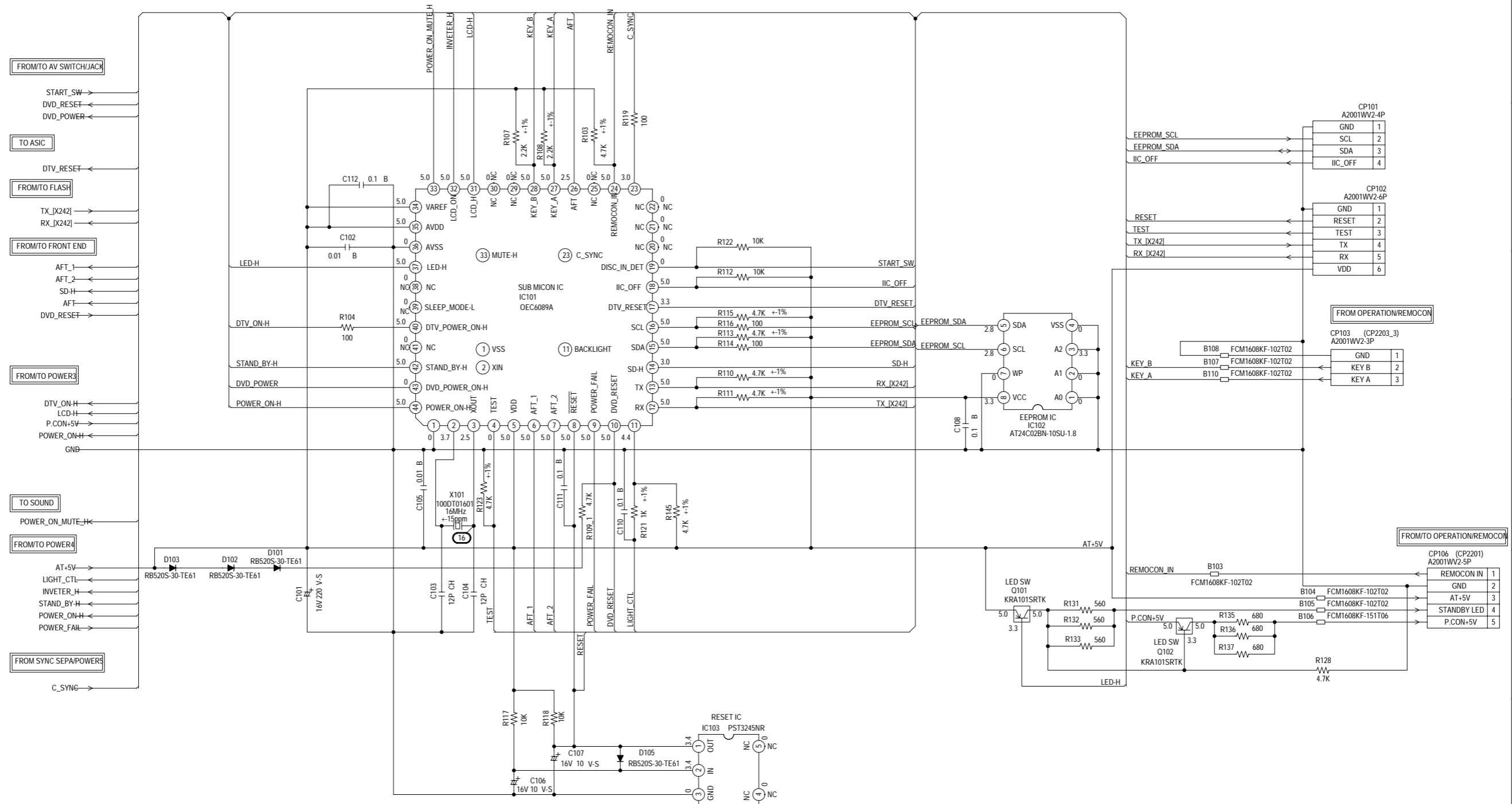
NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE

CAUTION: DIGITAL TRANSISTOR



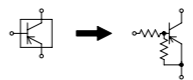
MICON SCHEMATIC DIAGRAM  
(DIGITAL PCB)



NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE

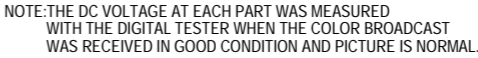
NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

CAUTION: DIGITAL TRANSISTOR



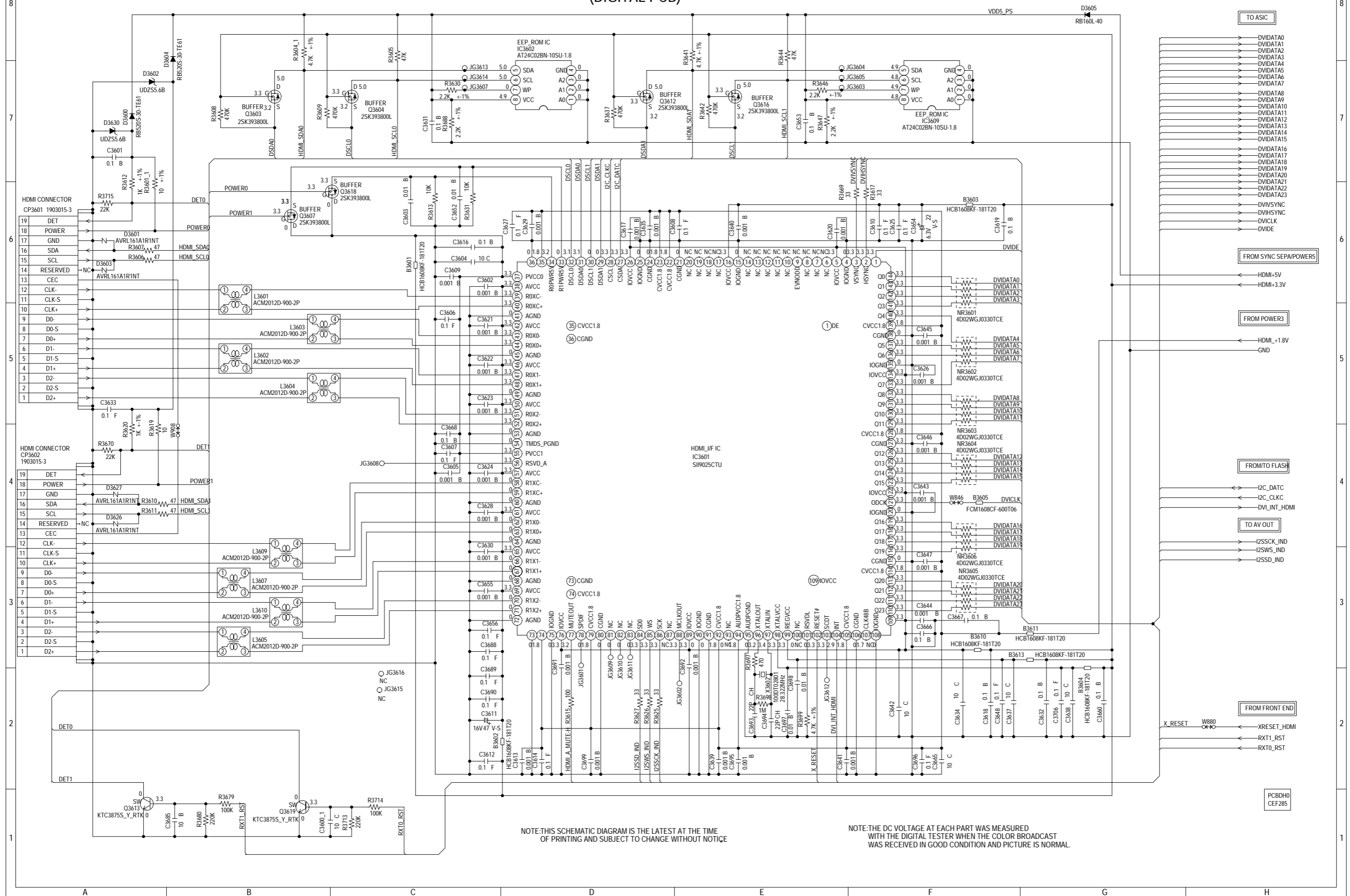
PCBDH0  
CEF285

(DIGITAL PCB)

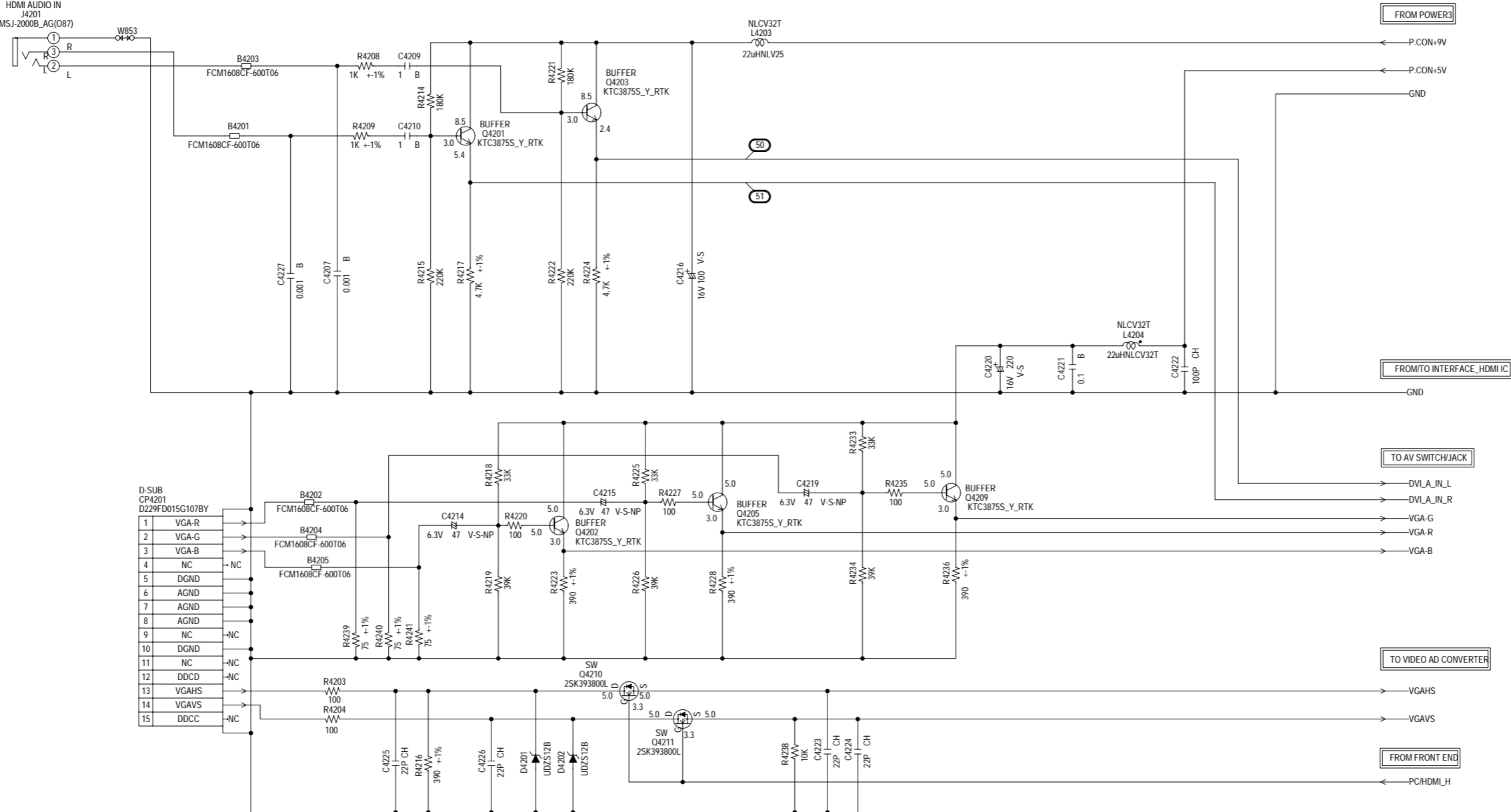




## INTERFACE\_HDMI IC SCHEMATIC DIAGRAM (DIGITAL PCB)



(DIGITAL PCB)

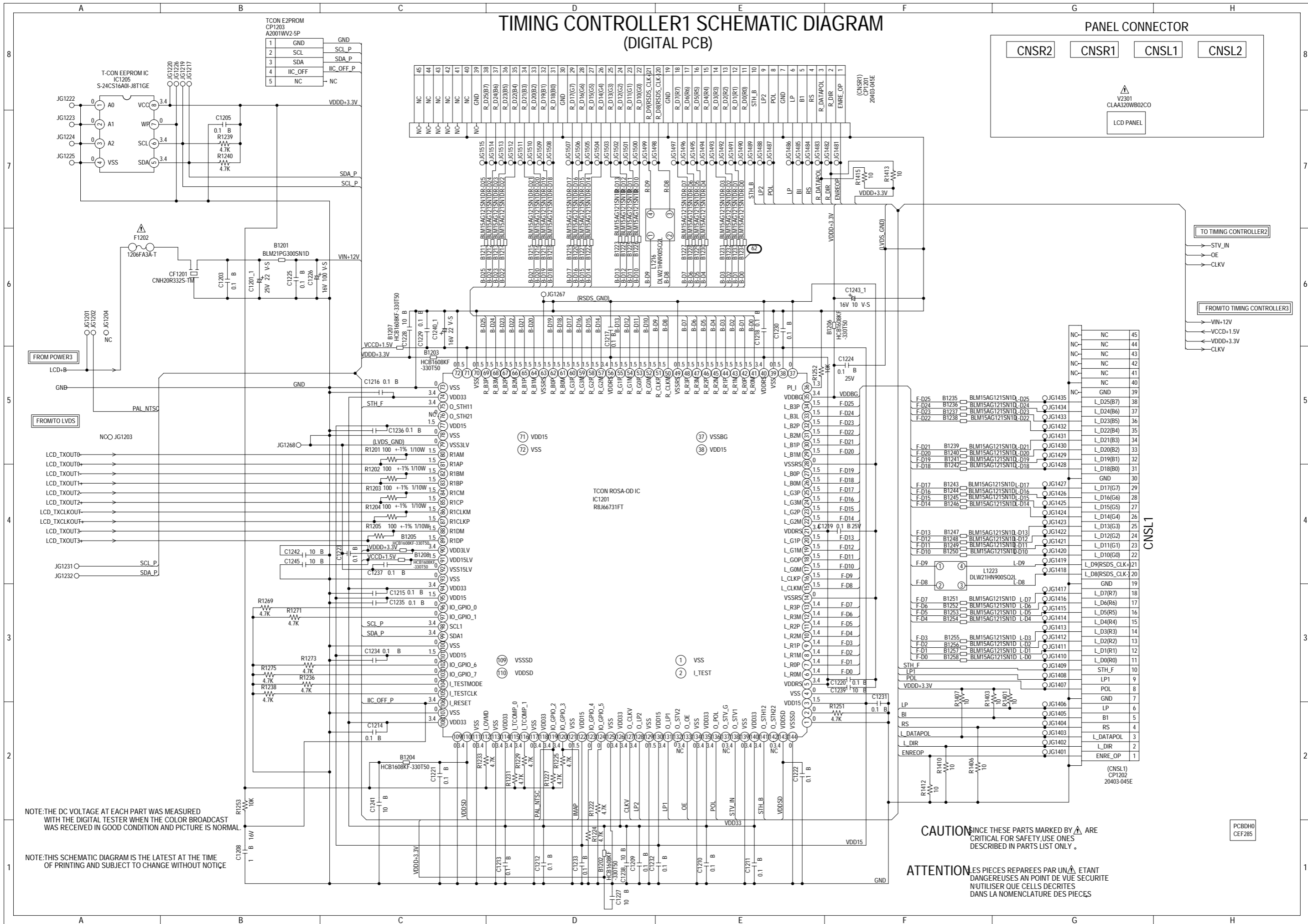


NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE

NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

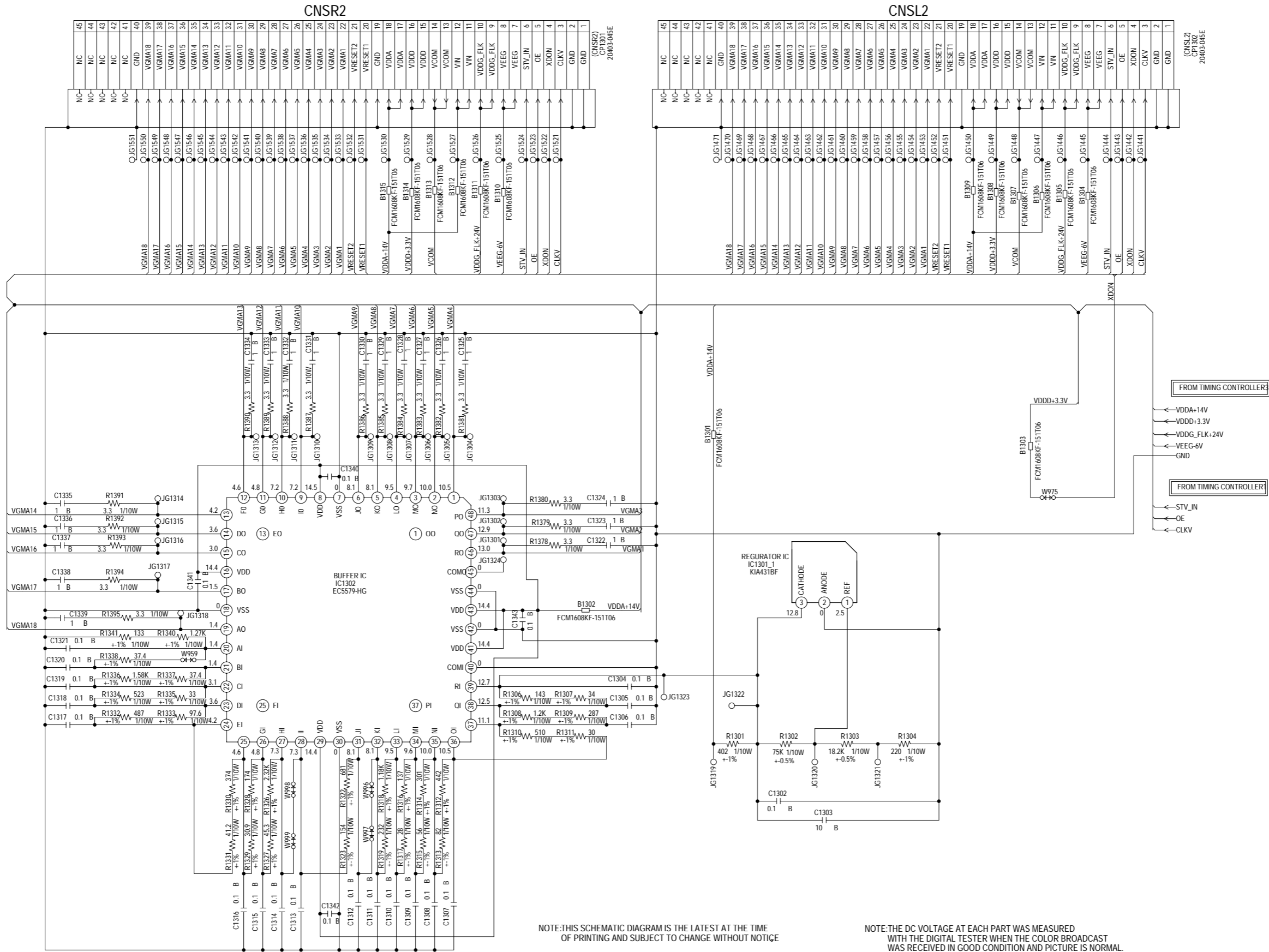
PCBDH0  
CEF285

# TIMING CONTROLLER1 SCHEMATIC DIAGRAM (DIGITAL PCB)



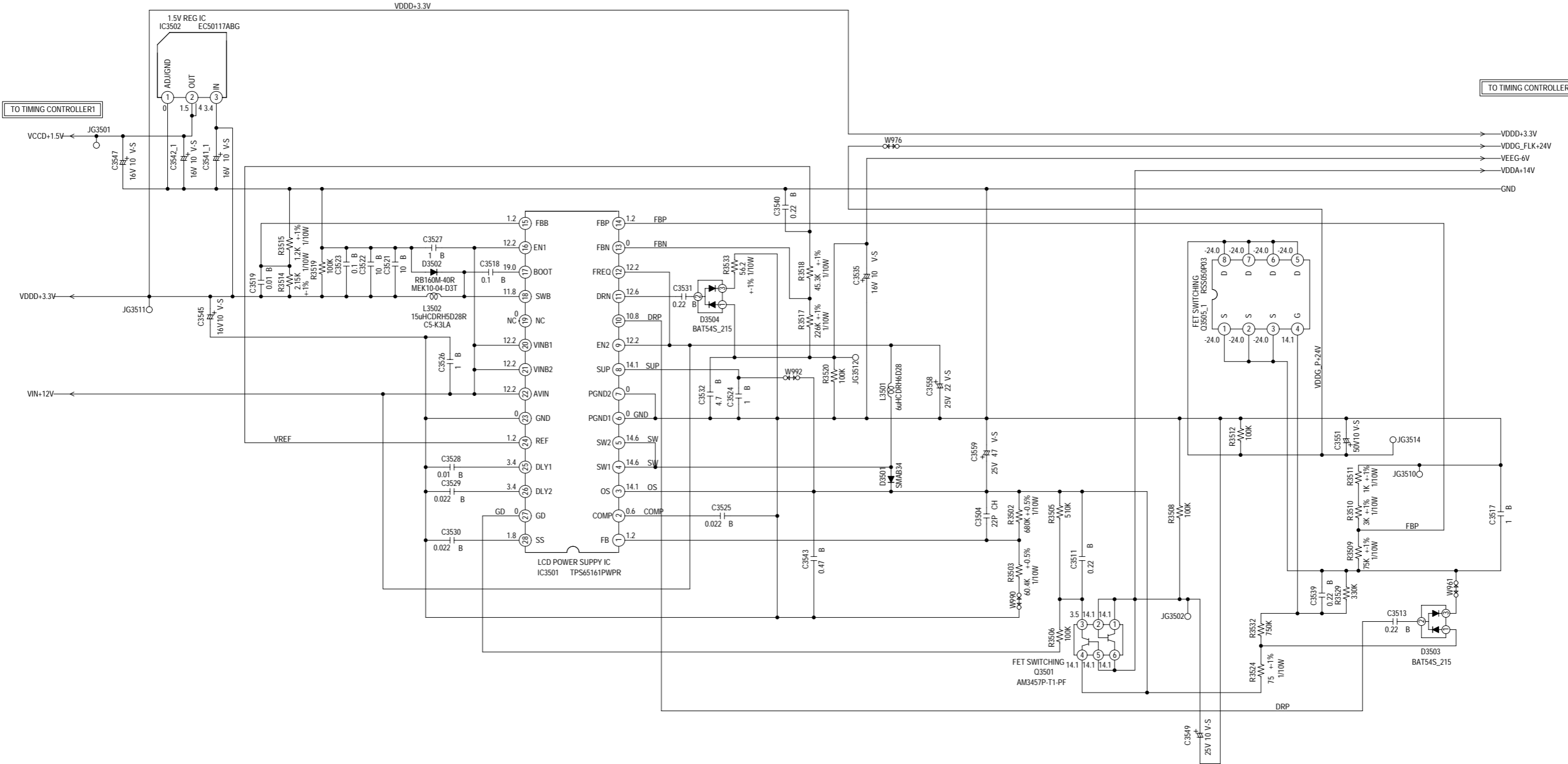
# TIMING CONTROLLER2 SCHEMATIC DIAGRAM (DIGITAL PCB)

(Buffers Reference voltage for Gamma Correction)



TIMING CONTROLLER3 SCHEMATIC DIAGRAM  
 (TCON POWER)

(DIGITAL PCB)

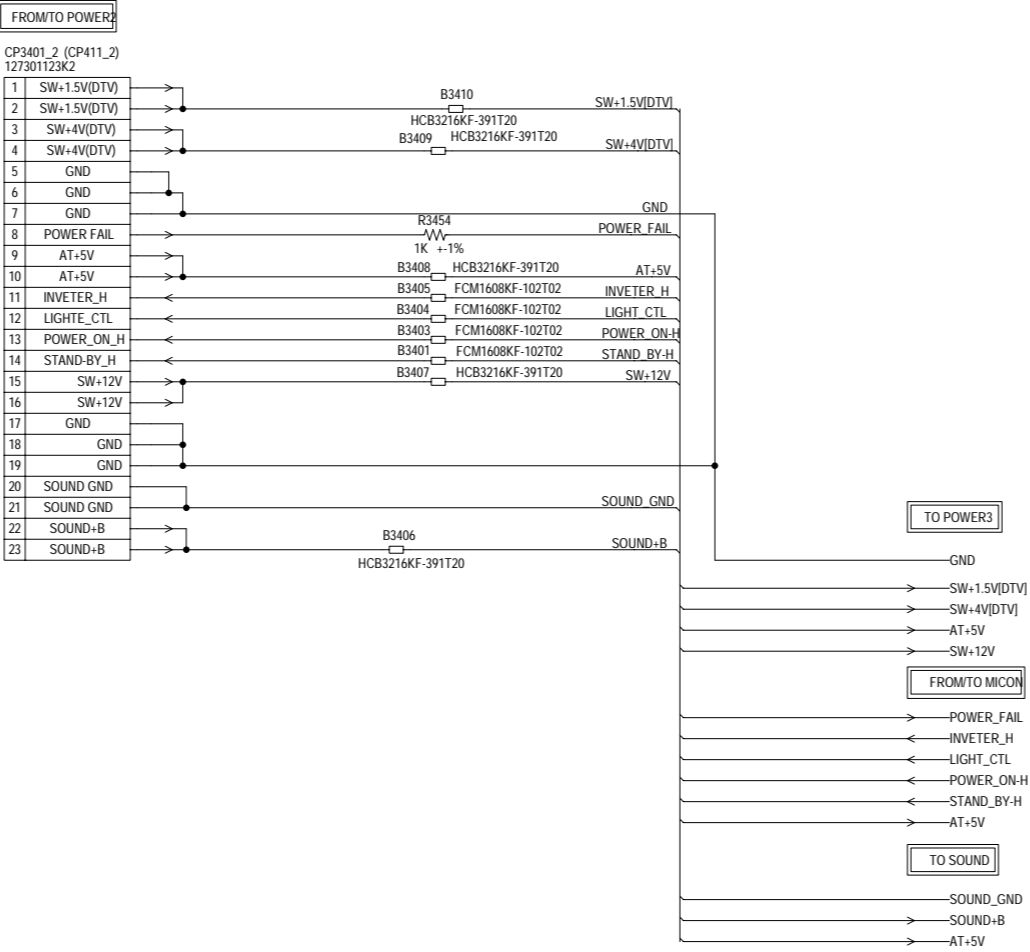


NOTE:THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME  
 OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE

NOTE:THE DC VOLTAGE AT EACH PART WAS MEASURED  
 WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST  
 WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

PCB0H0  
 CEF285

POWER4 SCHEMATIC DIAGRAM  
(DIGITAL PCB)

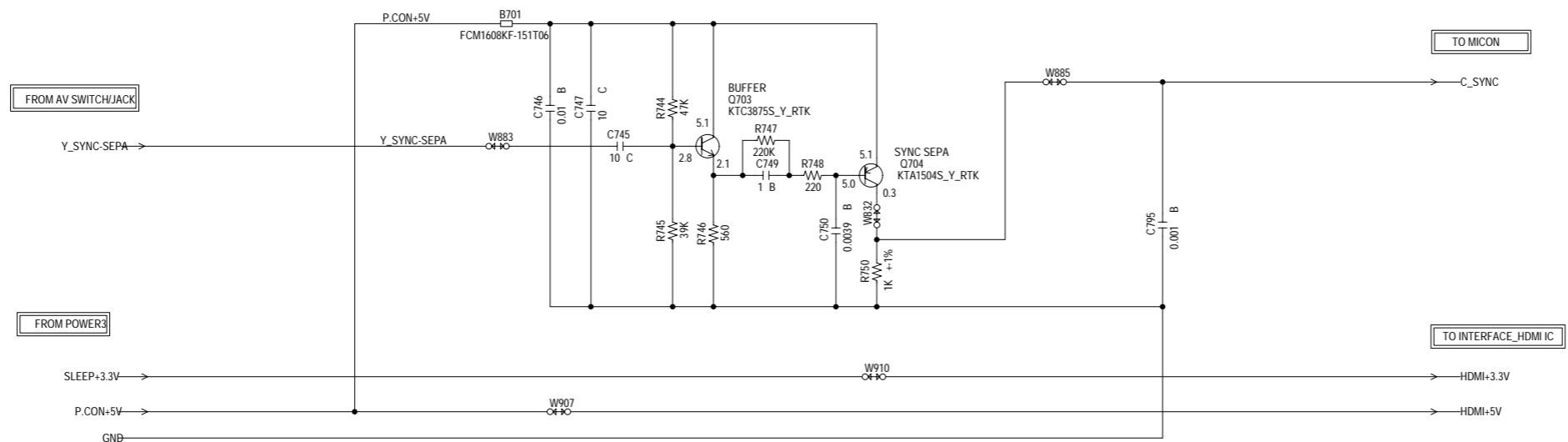


NOTE:THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME  
OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTIÇE

NOTE:THE DC VOLTAGE AT EACH PART WAS MEASURED  
WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST  
WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

PCBDH0  
CEF285

SYNC SEPA/POWER5 SCHEMATIC DIAGRAM  
(DIGITAL PCB)

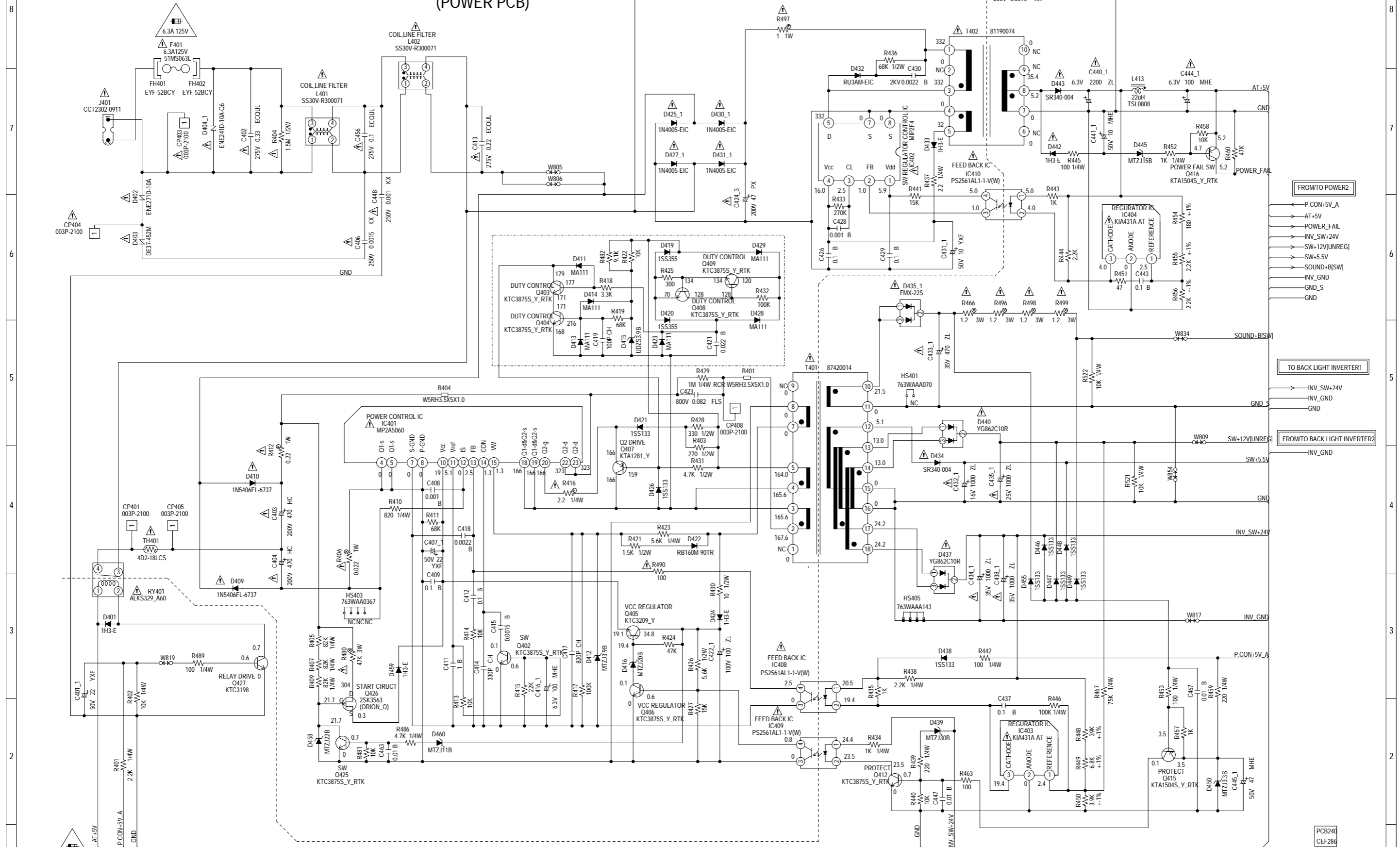


NOTE:THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME  
OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE

NOTE:THE DC VOLTAGE AT EACH PART WAS MEASURED  
WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST  
WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

PCBDH0  
CEF285

# POWER1 SCHEMATIC DIAGRAM (POWER PCB)



**CAUTION:** FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE FUSE 6.3A125V(F401)

**ATTENTION:** POUR UNE PROTECTION CONTINUE LES RISQUES D'INCEIE N'UTILISER QUE DES FUSIBLE DE MEME TYPE 6.3A125V(F401)

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE

NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

**CAUTION:** SINCE THESE PARTS MARKED BY ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY.

**ATTENTION:** LES PIECES REPARÉES PAR UN ETANT DANGEREUSES AU POINT DE VUE SECURITE N'UTILISER QUE CELLES DECRITES DANS LA NOMENCLATURE DES PIECES

# POWER2 SCHEMATIC DIAGRAM (POWER PCB)

**CAUTION:** FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,  
REPLACE ONLY WITH THE SAME TYPE FUSE

**ATTENTION:** POUR UNE PROTECTION CONTINUE LES RISQUES D'INCENDIE  
N'UTILISER QUE DES FUSIBLE DE MEME TYPE  
1.6A125V(F404).

**CAUTION:** F404 IS MANUFACTURED BY SKYGATE TYPE 20N.

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME  
OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE

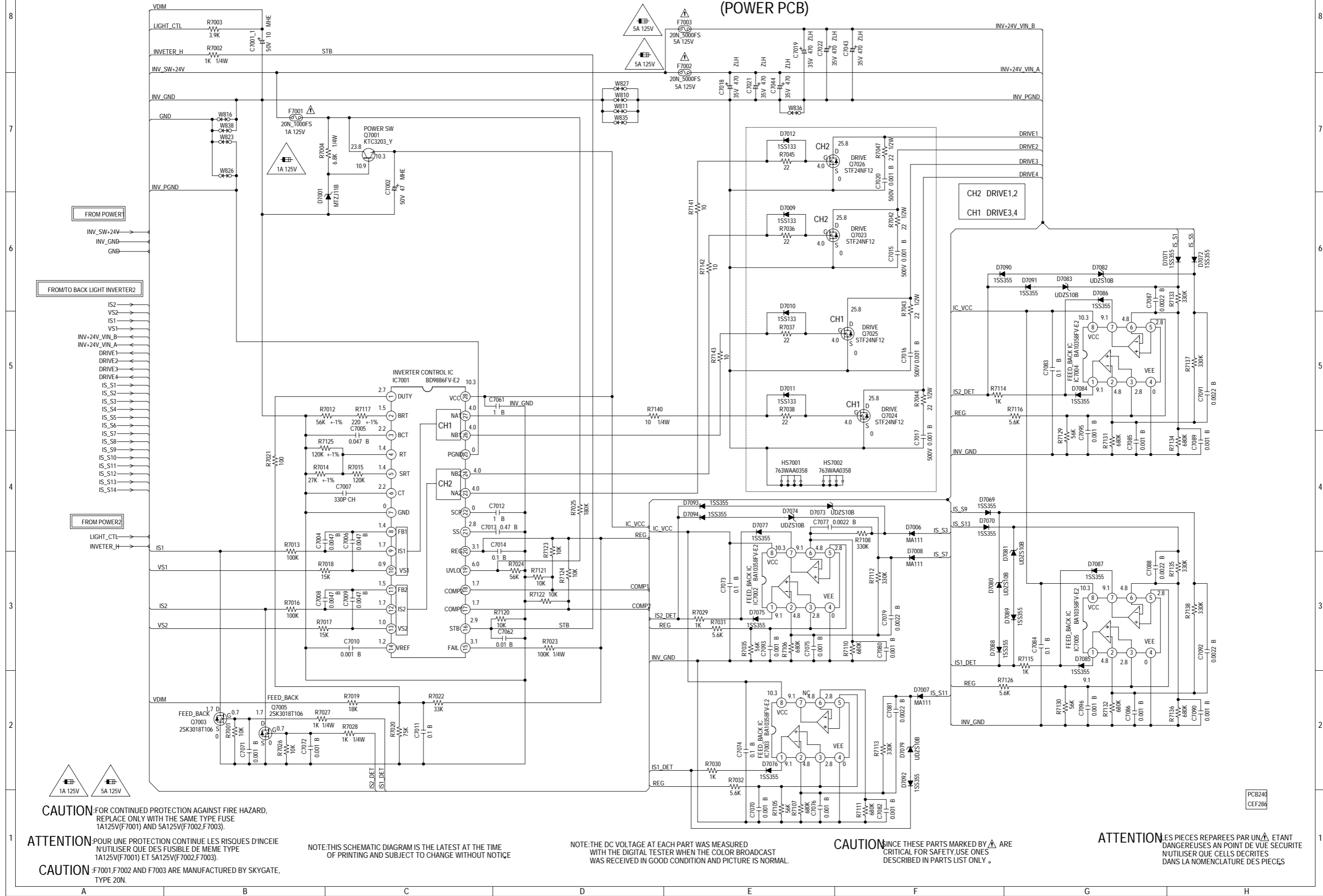
NOTE: THE DC VOLTAGE AT EACH PART WAS MEASURED  
WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST  
WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.

**CAUTION:** SINCE THESE PARTS MARKED BY ARE  
CRITICAL FOR SAFETY, USE ONES  
DESCRIBED IN PARTS LIST ONLY .

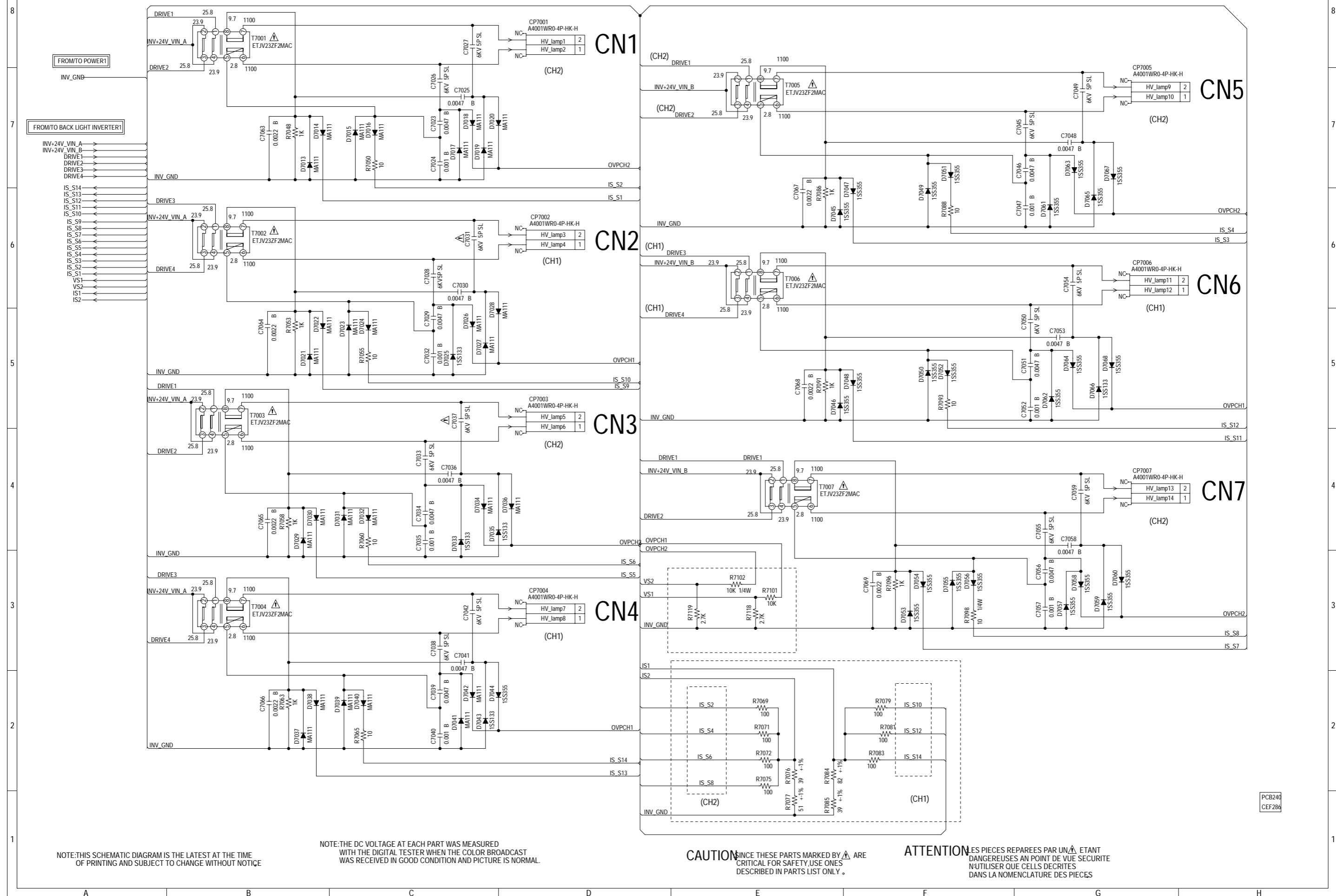
**ATTENTION:** LES PIECES REPARÉES PAR UN ÉTANT  
DANGEREUSES AU POINT DE VUE SÉCURITÉ  
N'UTILISER QUE CELLES DÉCRITES  
DANS LA NOMENCLATURE DES PIÈCES

**CAUTION:** DIGITAL TRANSISTOR

# BACK LIGHT INVERTER1 SCHEMATIC DIAGRAM (POWER PCB)

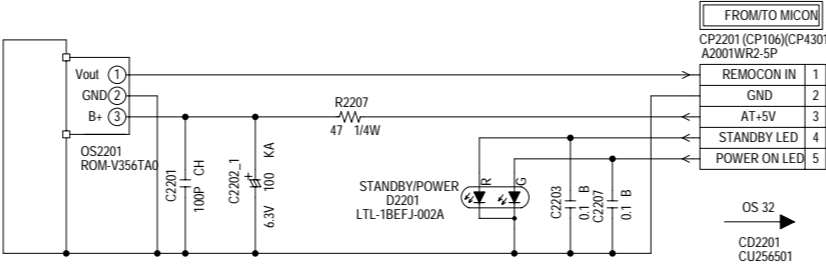


(POWER PCB)



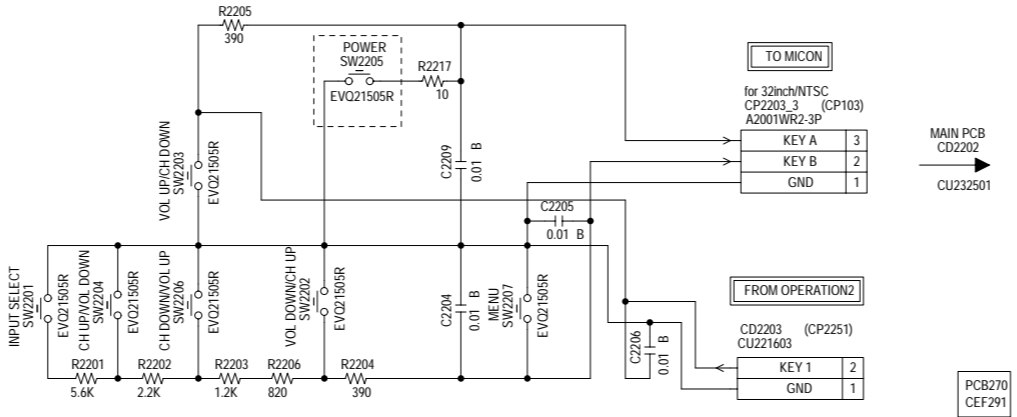
OPERATION/REMOCON SCHEMATIC DIAGRAM

(REMOCON PCB)



PCBDA0  
CEF292

(OPERATION PCB)



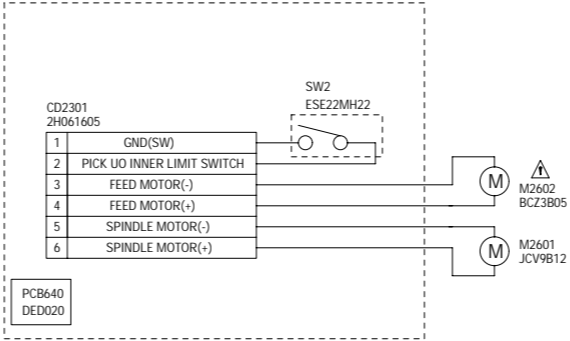
PCB270  
CEF291


NOTE:THE DC VOLTAGE AT EACH PART WAS MEASURED  
WITH THE DIGITAL TESTER WHEN THE COLOR BROADCAST  
WAS RECEIVED IN GOOD CONDITION AND PICTURE IS NORMAL.


NOTE:THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME  
OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE

SW SCHEMATIC DIAGRAM

(SW PCB)



**CAUTION** SINCE THESE PARTS MARKED BY  ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED IN PARTS LIST ONLY

**ATTENTION** LES PIECES REPARÉES PAR UN  ETANT DANGEREUSES AN POINT DE VUE SECURITE N'UTILISER QUE CELLS DECRITES DANS LA NOMENCLATURE DES PIECES

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE .