

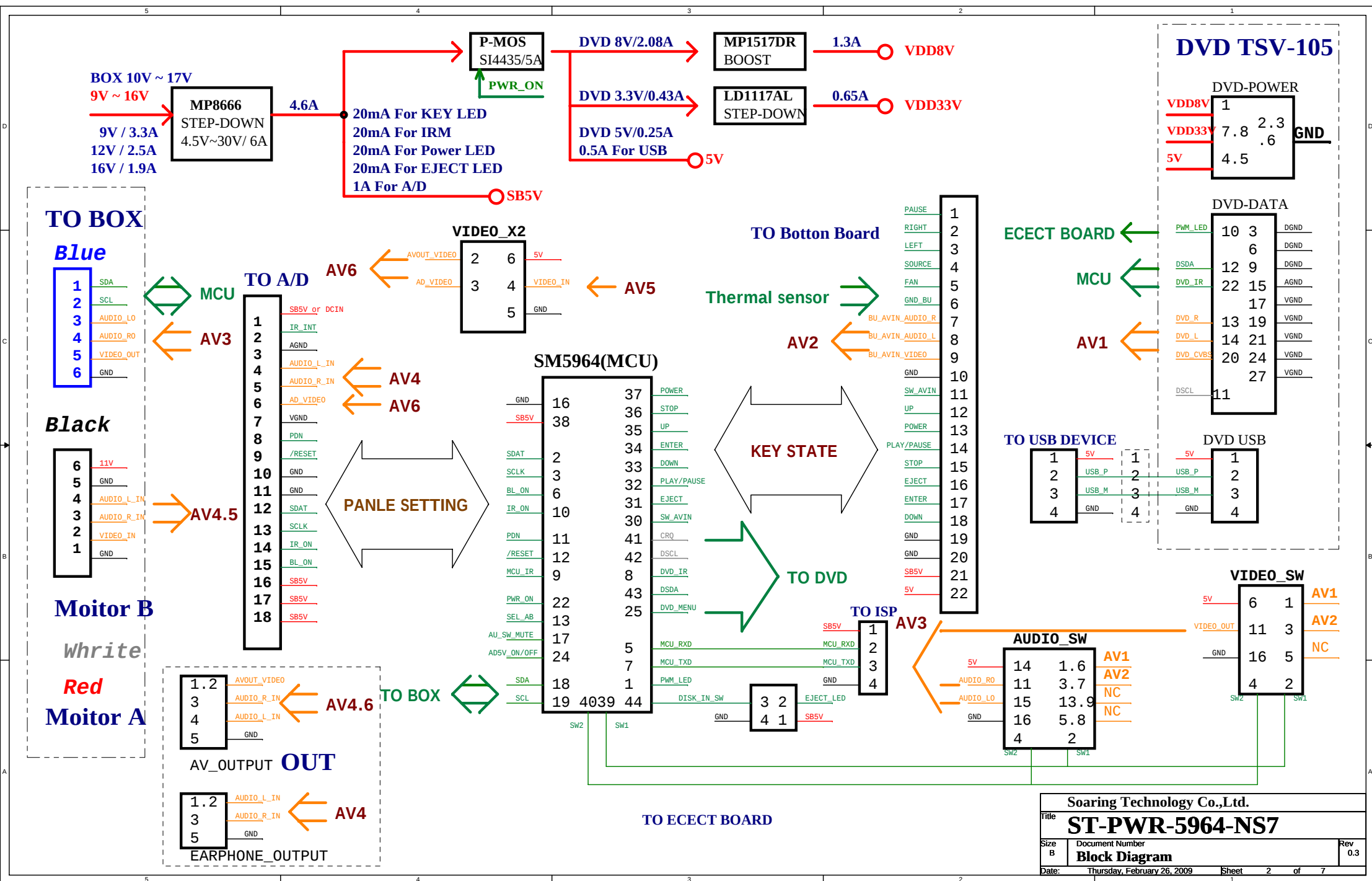
PCB Version : ST-PWR-5964-NS7-03

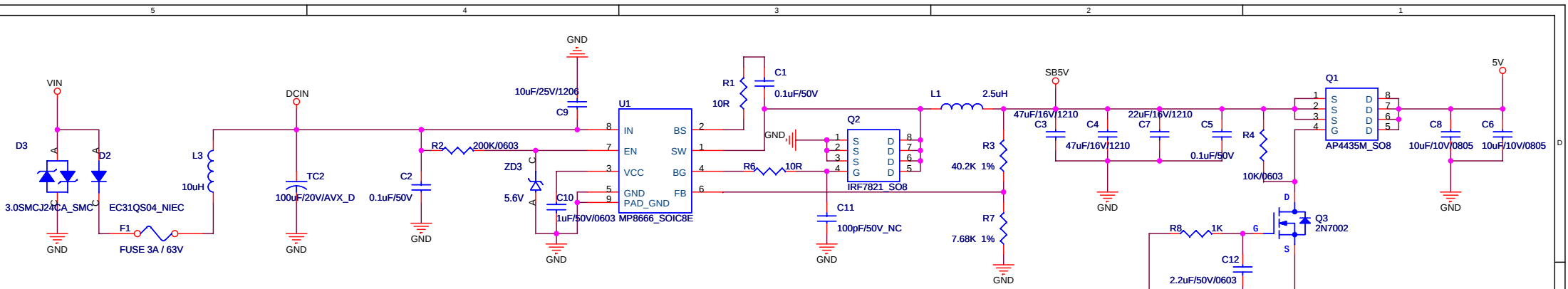
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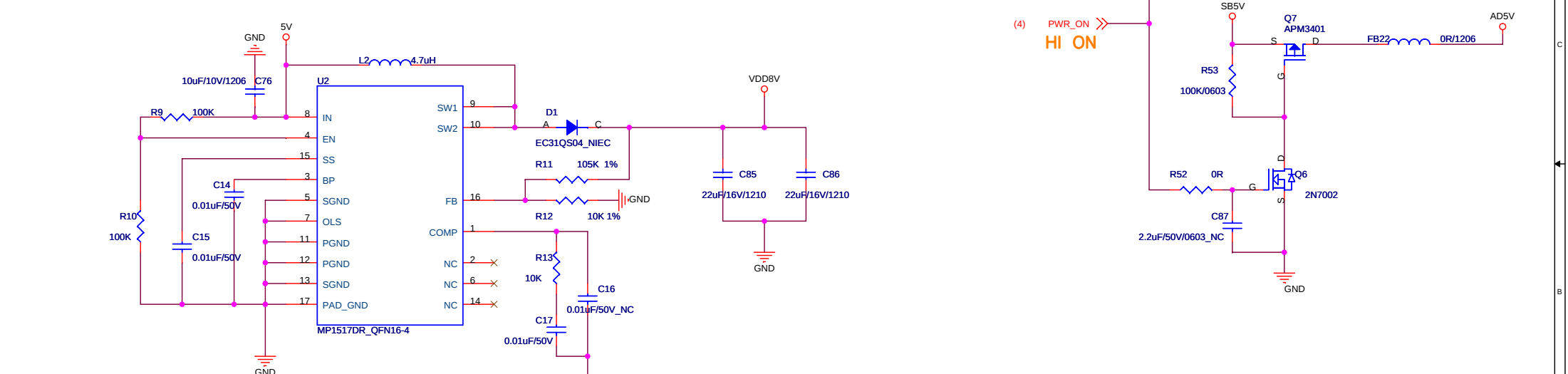
REVISION HISTORY

Date	Author	Ver	Comments
09/25/2008	Alan	0.1	Initial draft from S07_V1.2
11/13/2008	Alan	0.2	
02/27/2009	Alan	0.3	



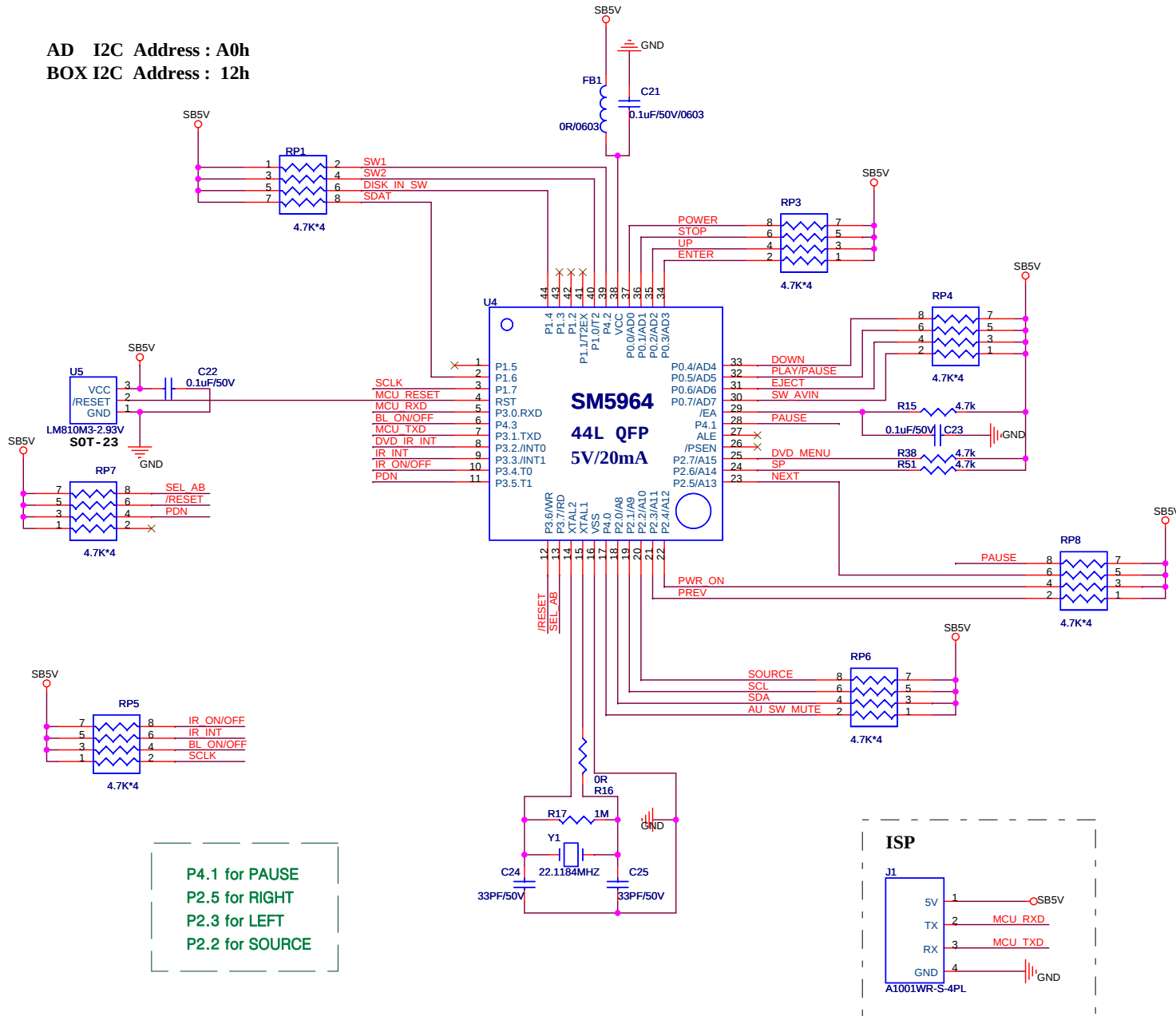


$$105K = [10K * (V_{out} - 0.7)] / 0.7 \text{ when } V_{out} = 8.05V$$



(4) PWR_ON
 HI ON

AD I2C Address : A0h
BOX I2C Address : 12h



P4.1 for PAUSE
P2.5 for RIGHT
P2.3 for LEFT
P2.2 for SOURCE

TO AD Board Panle Ssting

TP1	1	SDAT	SDAT	(6)
TP2	1	SCLK	SCLK	(6)
TP3	1	BL_ON/OFF	BL_ON/OFF	(6)
TP4	1	IR_ON/OFF	IR_ON/OFF	(6)
TP5	1	PDN	IR_ON/OFF	(6)
TP6	1	/RESET	/RESET	(6)
TP7	1	IR_INT	IR_INT	(6)

From Botton Board Key Response

POWER	POWER	(6)
STOP	STOP	(6)
UP	STOP	(6)
ENTER	UP	(6)
DOWN	ENTER	(6)
PLAY/PAUSE	PLAY/PAUSE	(6)
EJECT	EJECT	(6)
SW_AVIN	SW_AVIN	(6)
PAUSE	PAUSE	(6)
NEXT	NEXT	(6)
PREV	PREV	(6)
SOURCE	SOURCE	(6)

A Monitor Pull Low
B Monitor Pull Hi

Audio/Video Switch

TP16	1	SW2	SW2	(5)
TP1	1	SW1	SW1	(5)
TP18	1	SEL_AB	SEL_AB	(5)
TP19	1	AU_SW_MUTE	AU_SW_MUTE	(5)

TO DVD IR Control

TP48	1	DVD_IR_INT	DVD_IR_INT	(7)
TP48	1	DVD_MENU	DVD_MENU	(7)
TP48	1	SP	SP	(7)

TO BOX I2C Control

TP28	1	SDA	SDA	(7)
TP28	1	SCL	SCL	(7)

MCU ISP PIN

TP25	1	MCU_RXD	MCU_RXD	
TP26	1	MCU_TXD	MCU_TXD	

TO Eject Board Control

TP2	1	DISK_IN_SW	DISK_IN_SW	(6)
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Power On / Off Control

TP28	1	PWR_ON	PWR_ON	(3)
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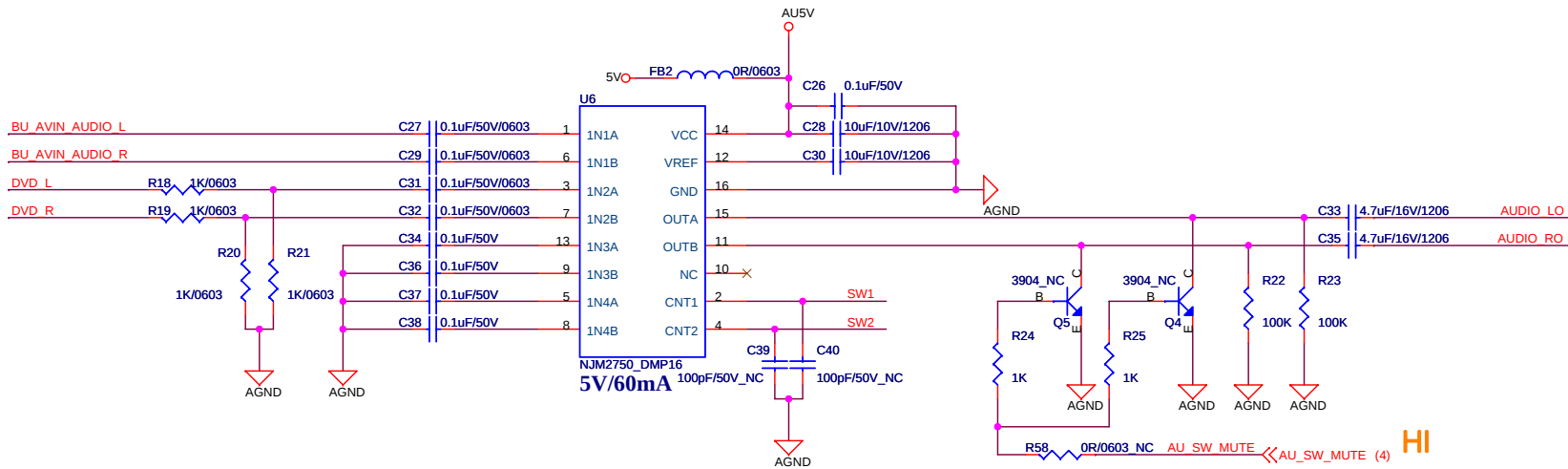
Soaring Technology Co.,Ltd.

Title **ST-PWR-5964-NS7**

Size B Document Number **SM5964**

Rev 0.3

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Video From BOX

TP30 1 VIDEO_IN >>> VIDEO_IN (7)

Video TO Audio/Video Output

TP30 1 AD_VIDEO >>> AD_VIDEO (6)

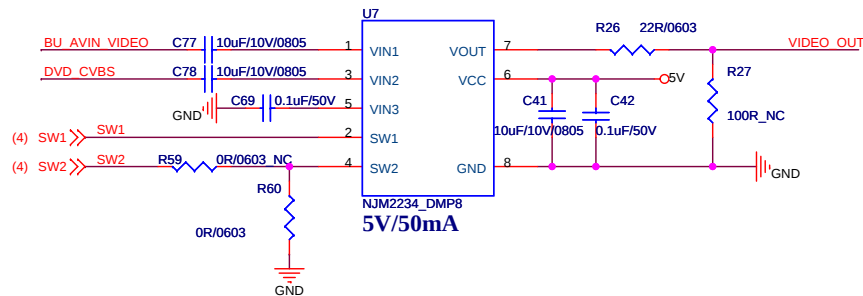
TP30 1 AVOUT_VIDEO >>> AVOUT_VIDEO (7)

Audio/Video TO BOX

TP30 1 AUDIO_LO >>> AUDIO_LO (7)

TP30 1 AUDIO_RO >>> AUDIO_RO (7)

TP30 1 VIDEO_OUT >>> VIDEO_OUT (7)



Batton Board Audio/Video Input

TP30 1 BU_AVIN_AUDIO L <<< BU_AVIN_AUDIO_L (6)

TP30 1 BU_AVIN_AUDIO R <<< BU_AVIN_AUDIO_R (6)

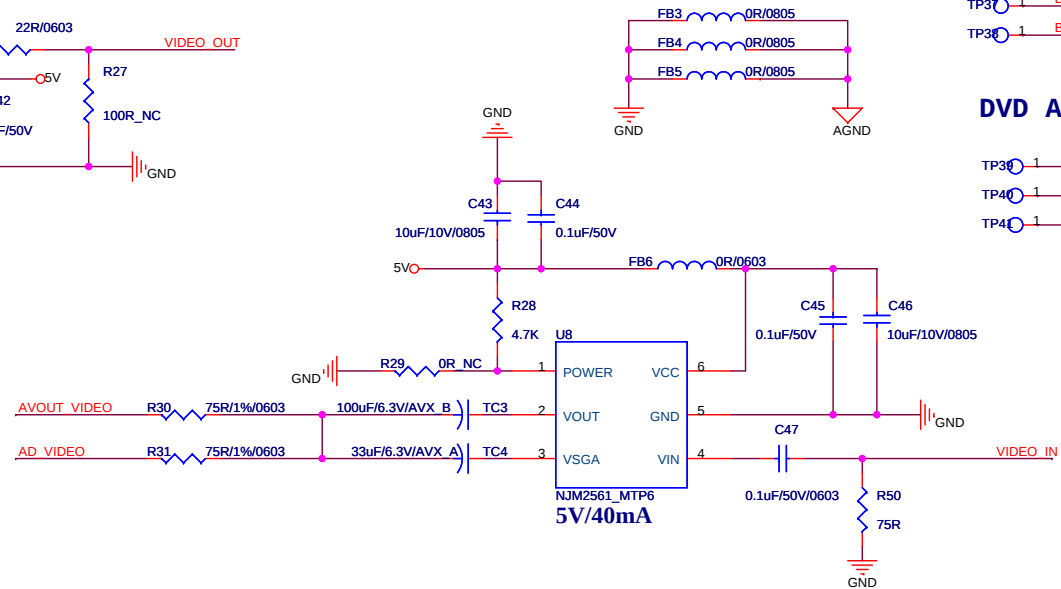
TP30 1 BU_AVIN_VIDEO <<< BU_AVIN_VIDEO (6)

DVD Audio/Video Input

TP30 1 DVD_L <<< DVD_L (7)

TP40 1 DVD_R <<< DVD_R (7)

TP40 1 DVD_CVBS <<< DVD_CVBS (7)



Audio/Video Output Table				
AV Input	SW2	SW1	Video Out	Audio Out
BU_AVIN	0	0	BU_CVBS	BU_LR
DVD_AVIN	0	1	DVD_CVBS	DVD_LR
NC	1	0	NA	NA
NC	1	1	NA	NA
Dissipation		SW2 = L	SW1 = H or L	

****Standby SW1 & SW2 Set To Low****

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B	Audio/Video Switch			
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