

123456

A

PRISM

Sensors

File: sensors.kicad_sch

Power

File: power.kicad_sch

Peripherals

File: LCD50.kicad_sch

USB

File: USB.kicad_sch

DDR3

File: DDR3.kicad_sch

Audio

File: Audio.kicad_sch

Storage

File: Storage.kicad_sch

Sheet: /
File: Prism.kicad_sch

Title:

Size: A4
KiCad E.D.A. 8.0.9

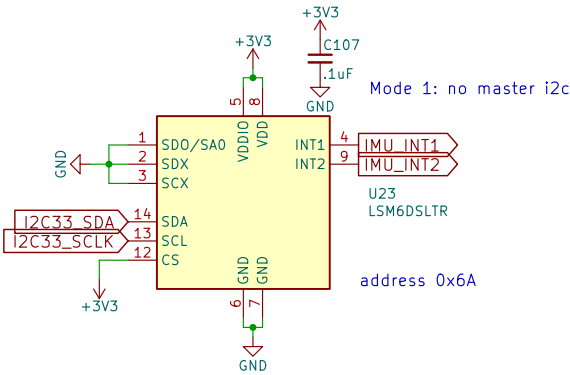
Date:

Rev:
Id: 1/8

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Sensors



Sheet: /Sensors/
File: sensors.kicad_sch

Title:

Size: A4

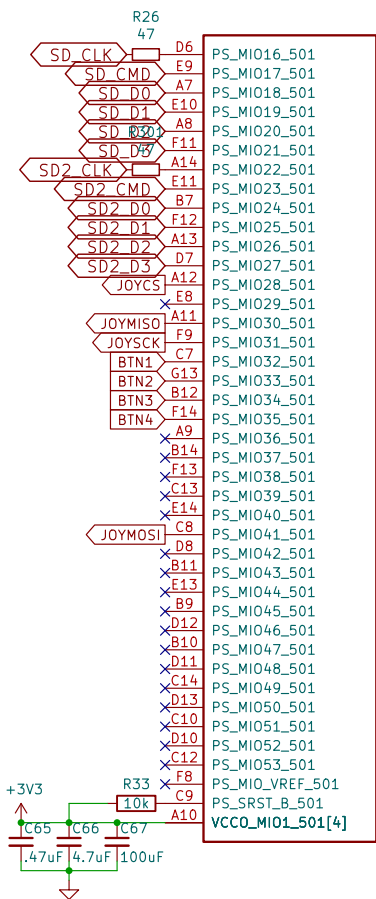
Date:

Rev:

KiCad E.D.A. 8.0.9

Id: 2/8

USB Host and Device



U20G
xc7z020clg484

Sheet: /USB/
File: USB.kicad_sch

Title:

Size: A4

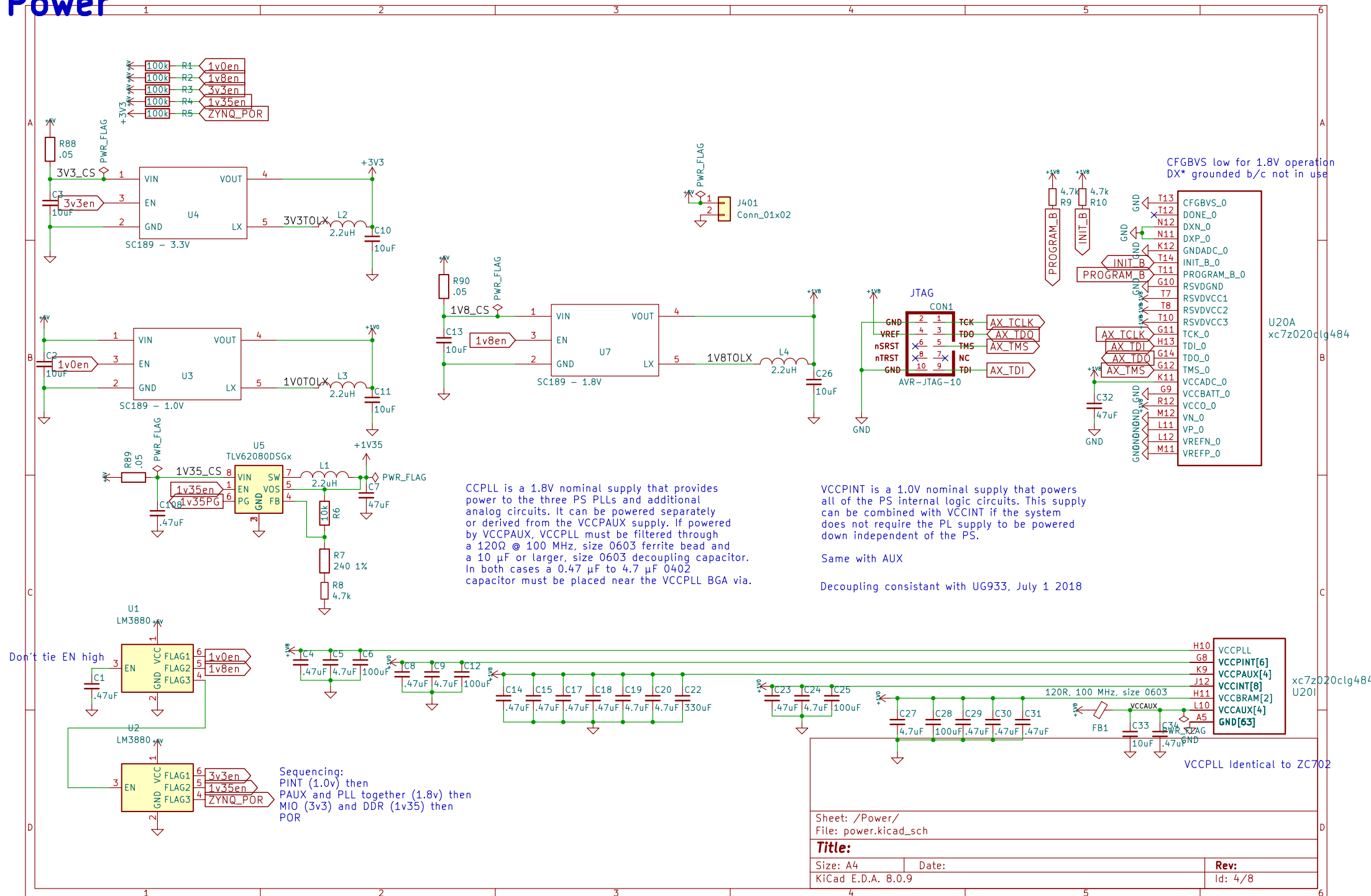
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KiCad E.D.A. 8.0.9

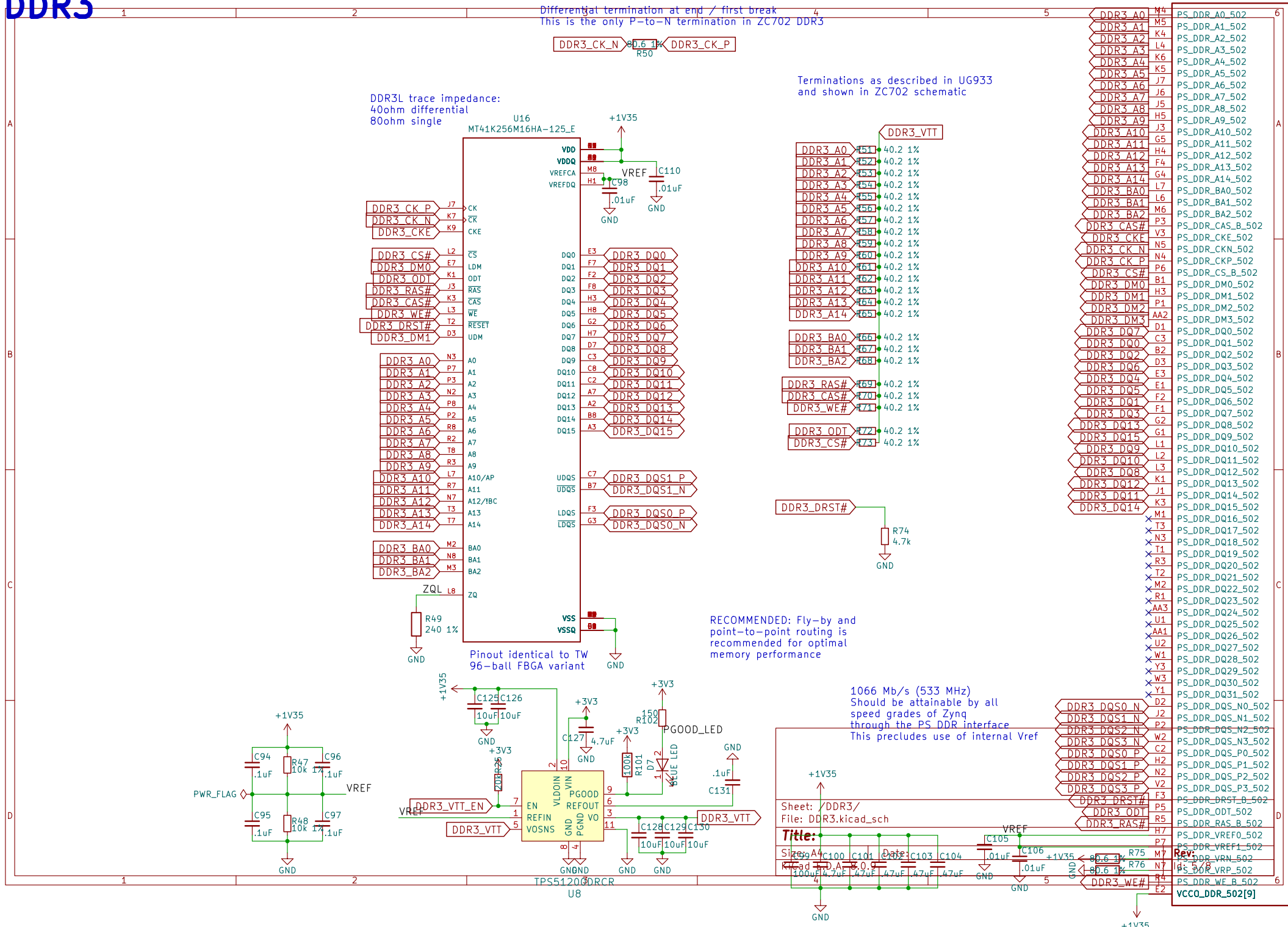
Rev:

Id: 3/8

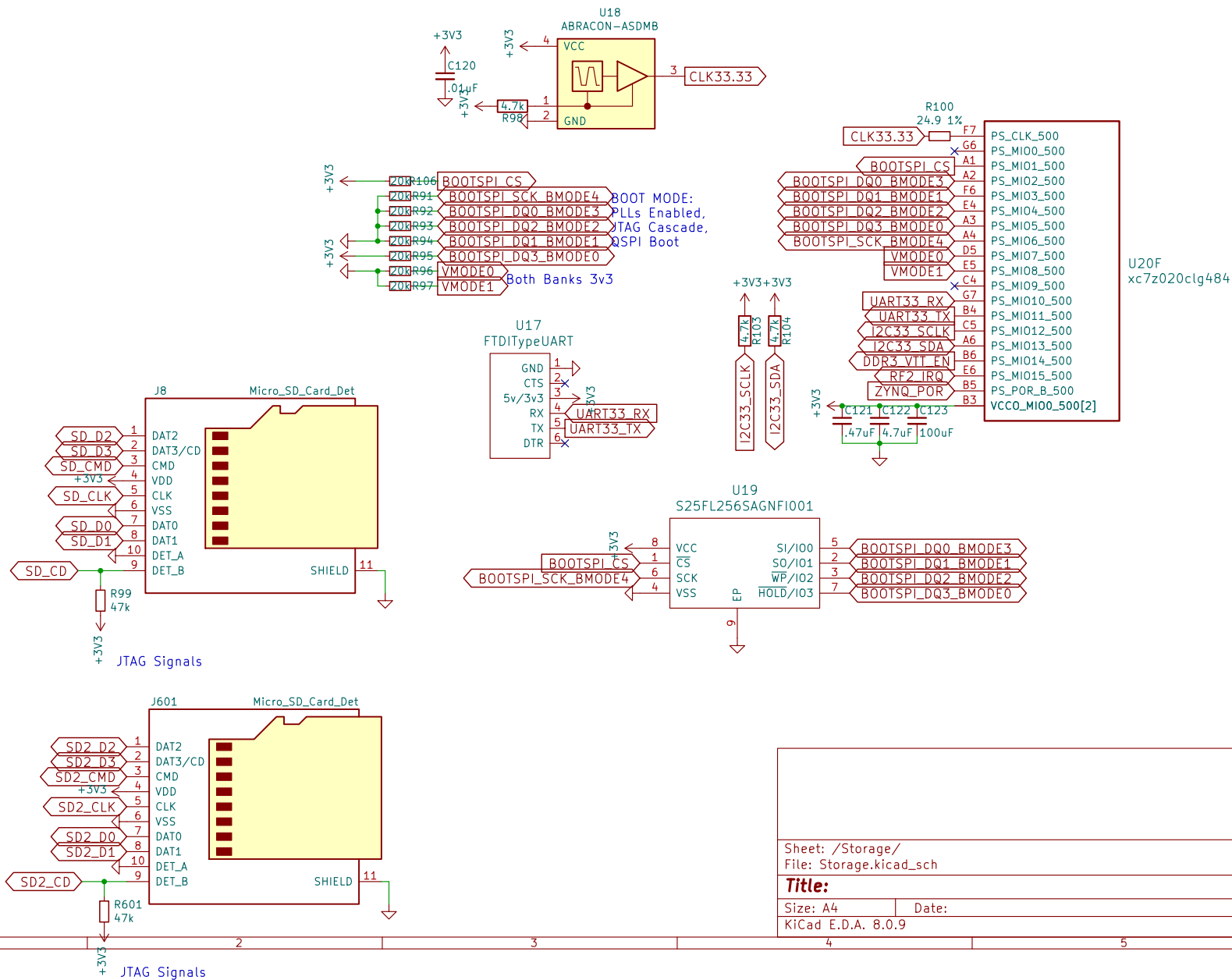
Power



DDR3



Non-volatile memory



Sheet: /Storage/
File: Storage.kicad_sch

Title:

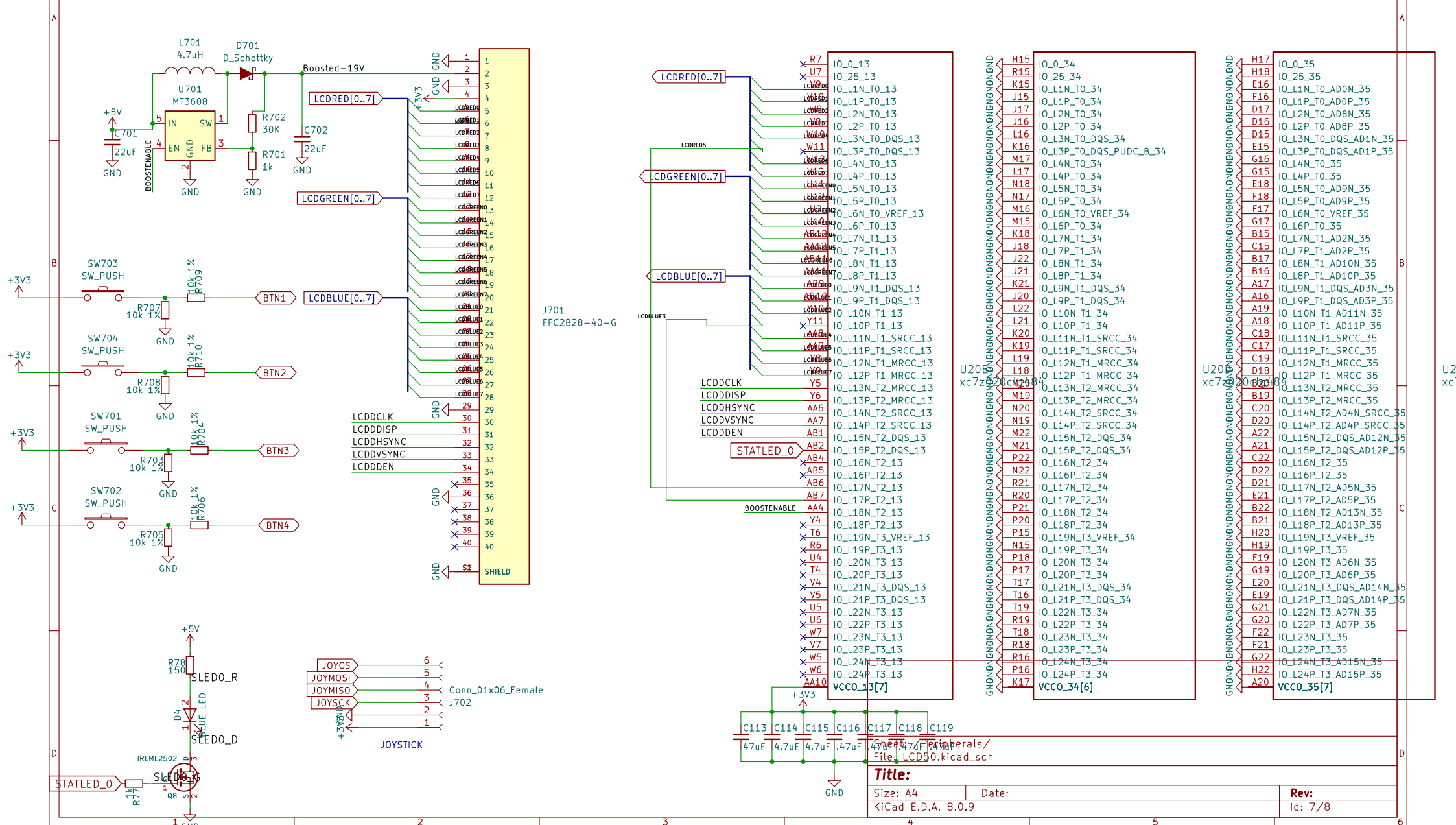
Size: A4
KiCad E.D.A. 8.0.9

Date:

Rev:

Id: 6/8

LCD and Status LEDs



Title:		Date:		Rev:	
Size: A4		KiCad E.D.A. 8.0.9		Id: 7/8	

U20C
lg484

IO_0_33 U19
IO_25_33 U14
IO_L1N_T0_33 U21
IO_L1P_T0_33 T21
IO_L2N_T0_33 U22
IO_L2P_T0_33 T22
IO_L3N_T0_DQS_33 W22
IO_L3P_T0_DQS_33 V22
IO_L4N_T0_33 W21
IO_L4P_T0_33 W20
IO_L5N_T0_33 V20
IO_L5P_T0_33 U20
IO_L6N_T0_VREF_33 V19
IO_L6P_T0_33 V18
IO_L7N_T1_33 AB22
IO_L7P_T1_33 AA22
IO_L8N_T1_33 AB21
IO_L8P_T1_33 AA21
IO_L9N_T1_DQS_33 Y21
IO_L9P_T1_DQS_33 Y20
IO_L10N_T1_33 AB20
IO_L10P_T1_33 AB19
IO_L11N_T1_SRCC_33 AA19
IO_L11P_T1_SRCC_33 Y19
IO_L12N_T1_MRCC_33 AA18
IO_L12P_T1_MRCC_33 Y18
IO_L13N_T2_MRCC_33 W18
IO_L13P_T2_MRCC_33 W17
IO_L14N_T2_SRCC_33 Y16
IO_L14P_T2_SRCC_33 W16
IO_L15N_T2_DQS_33 U16
IO_L15P_T2_DQS_33 U15
IO_L16N_T2_33 V17
IO_L16P_T2_33 U17
IO_L17N_T2_33 AB17
IO_L17P_T2_33 AA17
IO_L18N_T2_33 AB16
IO_L18P_T2_33 AA16
IO_L19N_T3_VREF_33 V15
IO_L19P_T3_33 V14
IO_L20N_T3_33 W13
IO_L20P_T3_33 V13
IO_L21N_T3_DQS_33 Y15
IO_L21P_T3_DQS_33 W15
IO_L22N_T3_33 AA14
IO_L22P_T3_33 Y14
IO_L23N_T3_33 AA13
IO_L23P_T3_33 Y13
IO_L24N_T3_33 AB15
IO_L24P_T3_33 AB14
VCCO_33[6] AA20
+5V

LED_1G_CTRL
JACK_DET
LED_1R_CTRL
LED_1B_CTRL
TLV_RST#
IMU_INT2
IMU_INT1
I2S_DACSD
TEMPO_SW
I2S_BCLK
I2S_MCLK
I2S_ADCSD
I2S_LRCLK

+3V3
GND

+3V3
GND

+5V
GND

U9
TLV320AIC3104

1 I2S_MCLK
2 BCLK
3 I2S_LRCLK
4 DIN
5 I2S_DACSD
6 TLV_RST#
7 IOVDD
8 I2C33_SCLK
9 I2C33_SDA
10 MIC1LP/LINE1LP
11 MIC1LM/LINE1LM
12 MIC1RP/LINE1RP
13 MIC1RM/LINE1RM
14 MIC2L/LINE2L/MICDET
15 MICBIAS
16 MIC2R/LINE2R
32 DVDD
6 DVSS
30 RIGHT_LOM
29 RIGHT_LOP
28 LEFT_LOM
27 LEFT_LOP
19 HPLOUT
23 HPROUT
20 HPLCOM
22 HPRCOM
24 DRVDD
18 DRVDD
25 AVDD
21 DRVSS
17 AVSS1
26 AVSS2
33 PAD

2.2uF C35
4.7uF C42
1uF C45
4.7uF C46
4.7uF C47
4.7uF C50
4.7uF C55
4.7uF C57
4.7uF C59
4.7uF C61

10uF C39
10uF C41
10uF C51
10uF C53
10uF C52
10uF C54
10uF C56
10uF C58
10uF C60
10uF C62

10k R10
49.9k R30
1uF C63

J3
AUDIO JACK

SWITCH
LEFT_AUDIO
RIGHT_AUDIO

Sheet: /Audio/
File: Audio.kicad_sch
Title:
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Date:
KiCad E.D.A. 8.0.9
Rev: 8/8