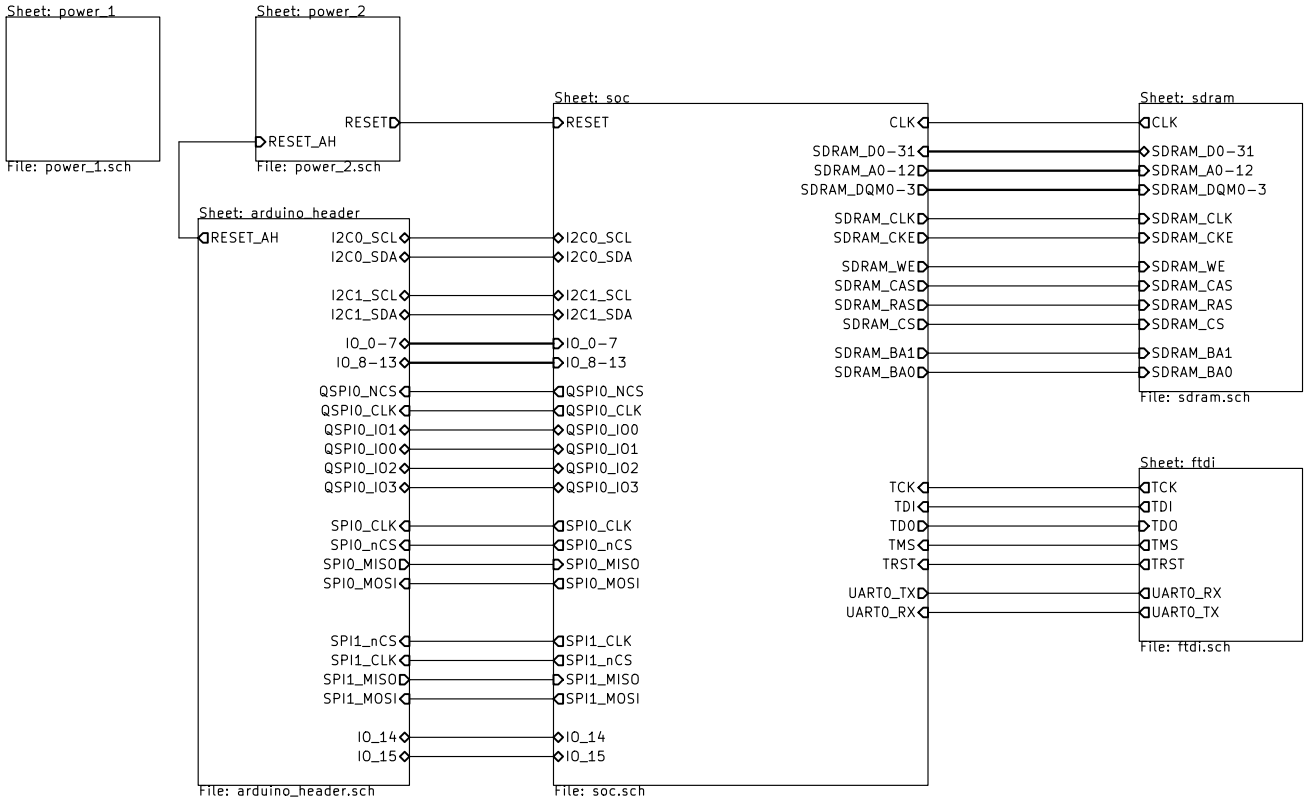

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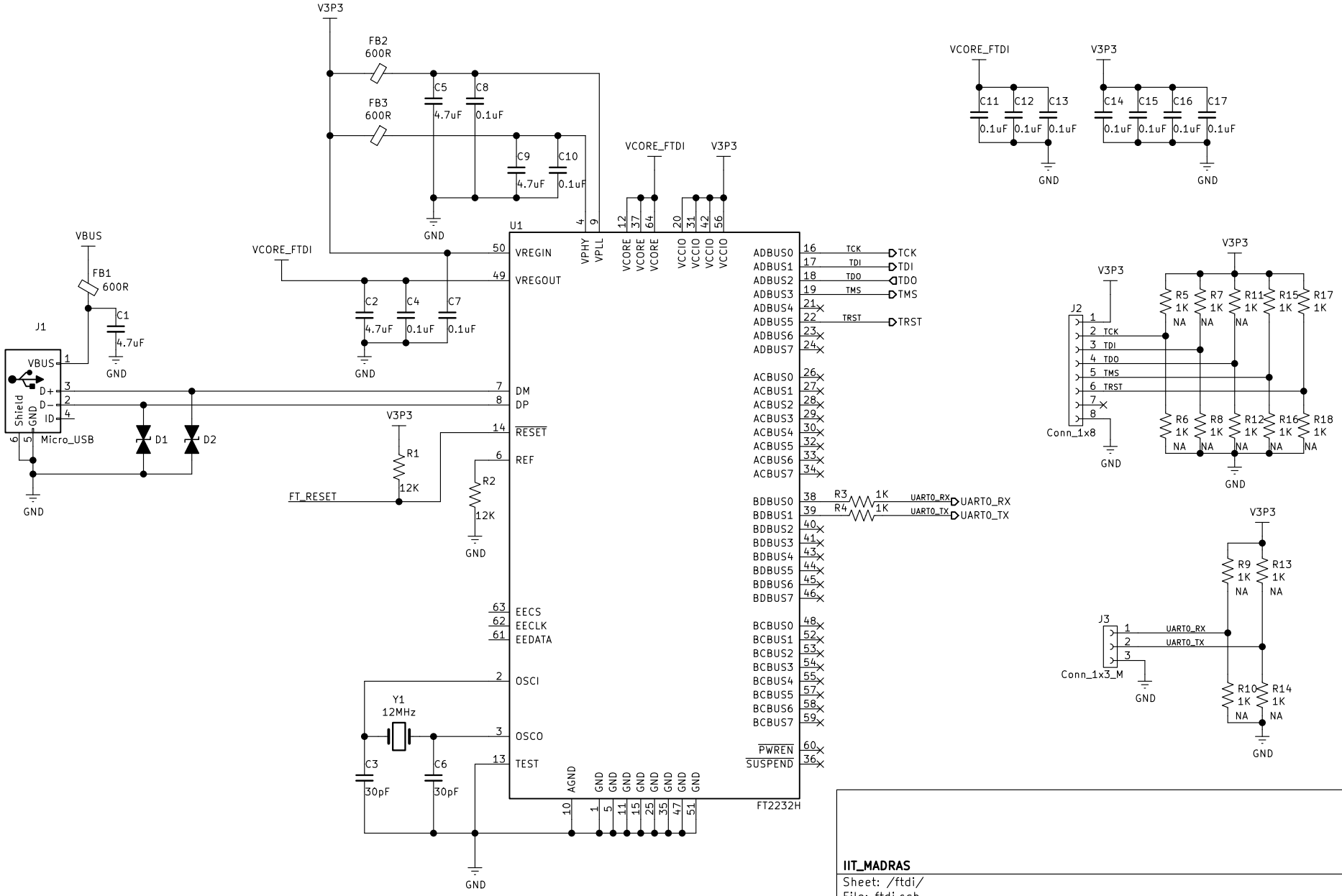
Title: AARDONYX_DEVELOPMENT_BOARD

Size: A4	Date:	**Rev: R1V0**
KiCad E.D.A. kicad (5.1.4)-1		Id: 1/7

FTDI – USB TO JTAG/UART



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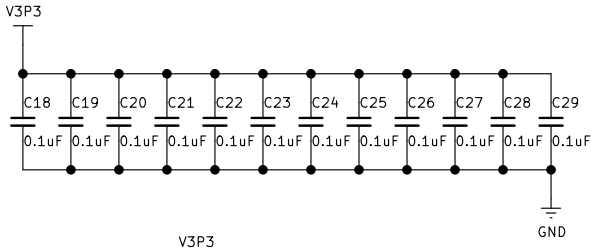
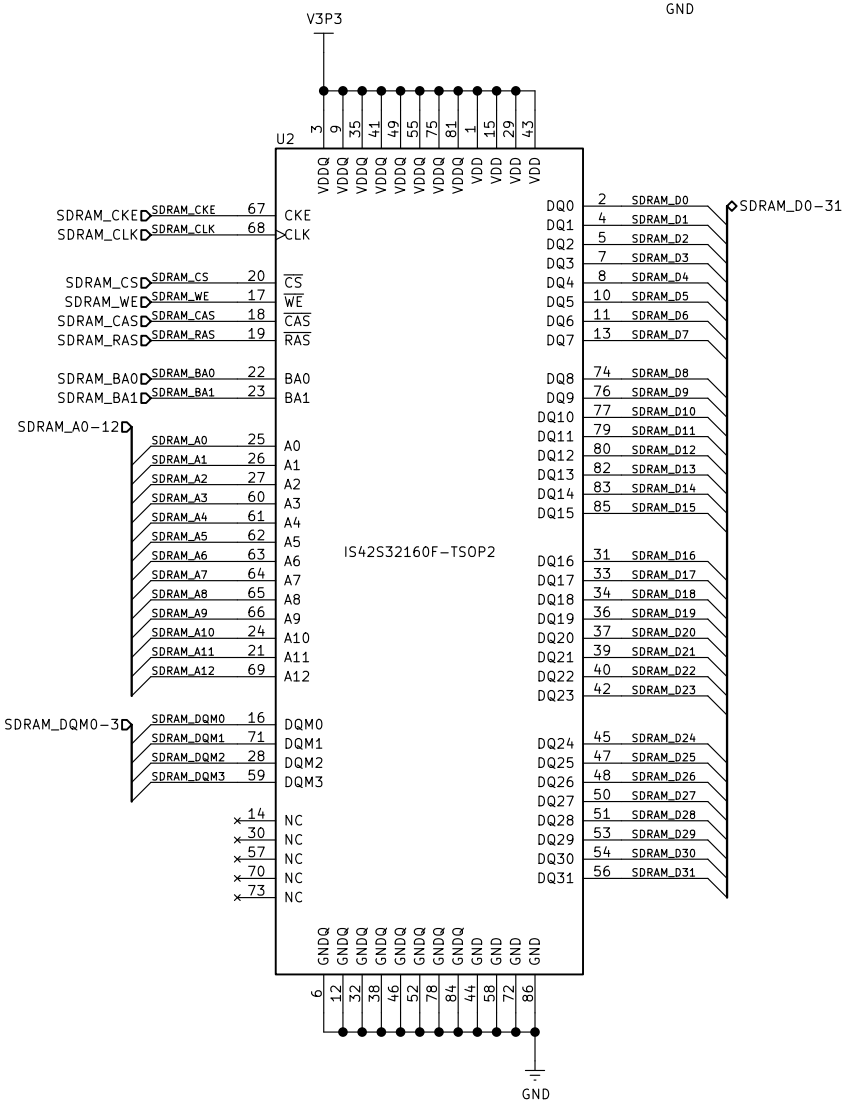
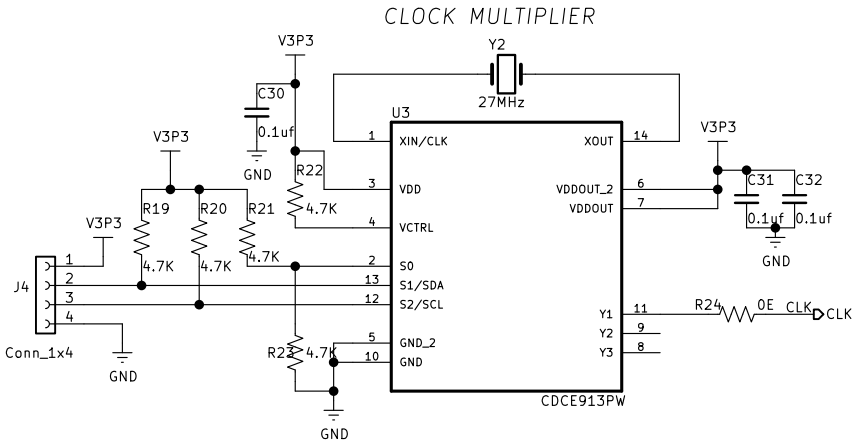
KiCad E.D.A. kicad (5.1.4)-1		Id: 2/7







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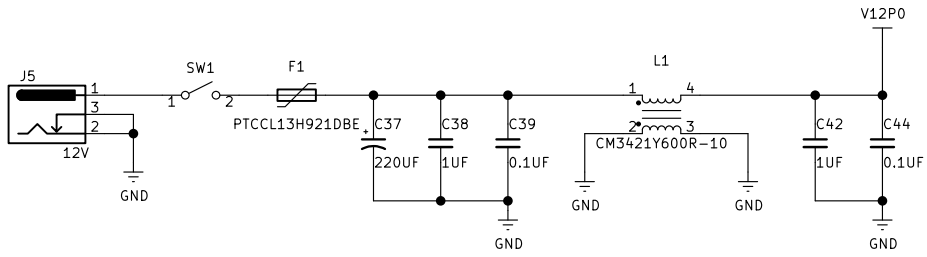
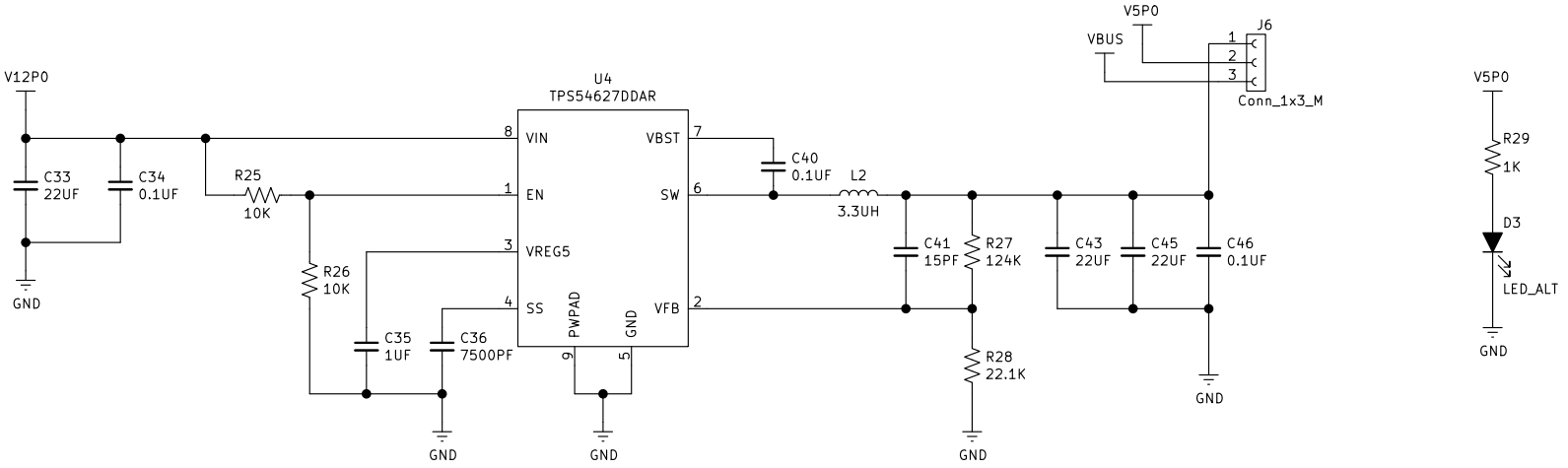
Size: A4	Date:	**Rev: R1V0**
KiCad E.D.A. kicad (5.1.4)-1		Id: 3/7

DC JACK POWER SUPPLY



SWITCHING REGULATOR FOR V5P0 POWER RAIL



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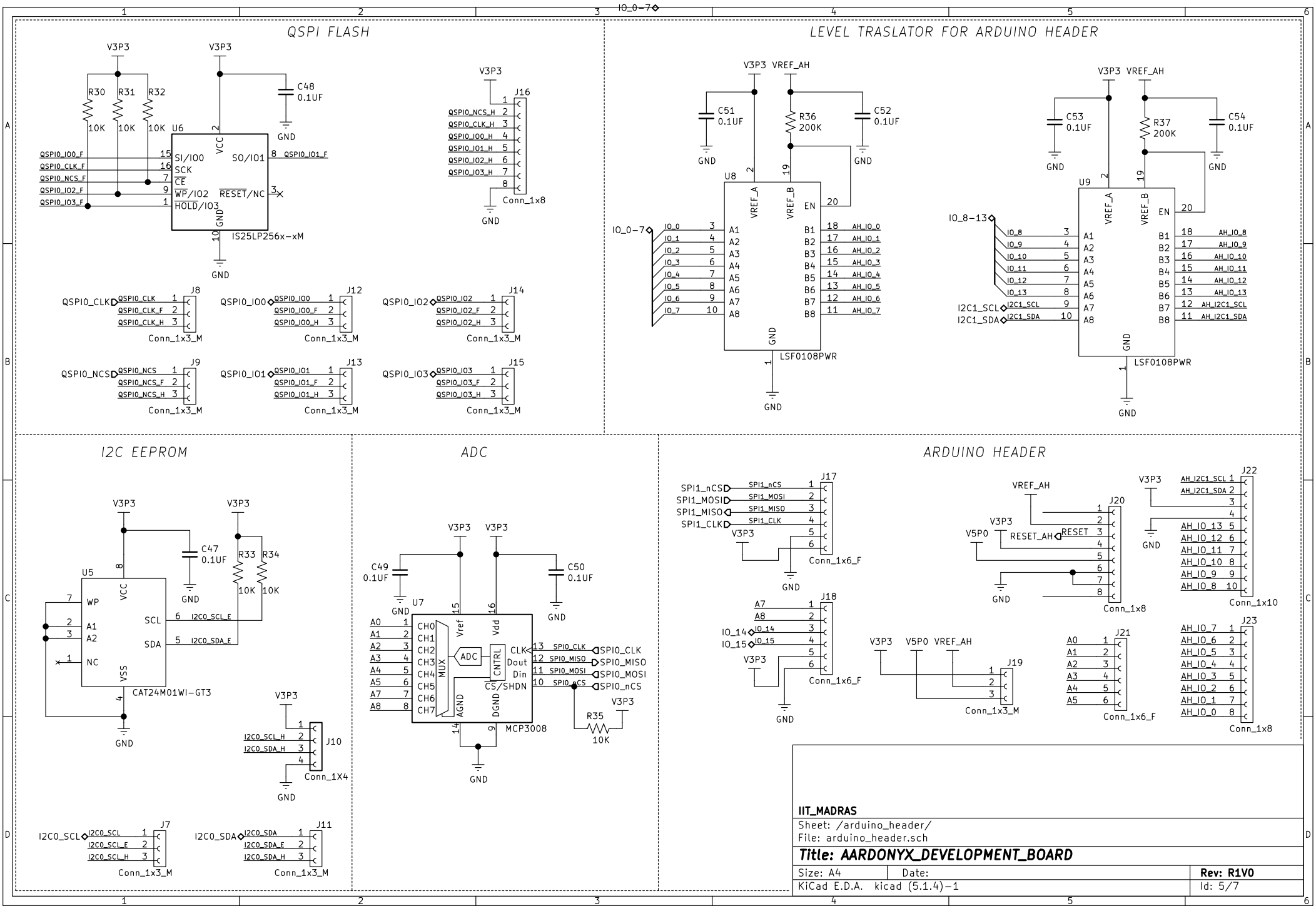
IO_0-7
QSPI FLASH
V3P3
R30
R31
R32
10K
10K
10K
U6
C48
0.1UF
GND
QSPI0_IO0_F
QSPI0_CLK_F
QSPI0_NCS_F
QSPI0_IO2_F
QSPI0_IO3_F
SI/IO0
SCK
CE
WP/IO2
HOLD/IO3
VCC
SO/IO1
RESET/NC
GND
QSPI0_IO1_F
IS25LP256x-xM
J16
QSPI0_NCS_H
QSPI0_CLK_H
QSPI0_IO0_H
QSPI0_IO1_H
QSPI0_IO2_H
QSPI0_IO3_H
Conn_1x8
J8
QSPI0_CLK
QSPI0_CLK_F
QSPI0_CLK_H
Conn_1x3_M
J12
QSPI0_IO0
QSPI0_IO0_F
QSPI0_IO0_H
J14
QSPI0_IO2
QSPI0_IO2_F
QSPI0_IO2_H
J9
QSPI0_NCS
QSPI0_NCS_F
QSPI0_NCS_H
J13
QSPI0_IO1
QSPI0_IO1_F
QSPI0_IO1_H
J15
QSPI0_IO3
QSPI0_IO3_F
QSPI0_IO3_H
LEVEL TRASLATOR FOR ARDUINO HEADER
VREF_AH
C51
0.1UF
R36
200K
C52
0.1UF
U8
VREF_A
VREF_B
EN
LSF0108PWR
IO_0
IO_1
IO_2
IO_3
IO_4
IO_5
IO_6
IO_7
A1
A2
A3
A4
A5
A6
A7
A8
B1
B2
B3
B4
B5
B6
B7
B8
AH_IO_0
AH_IO_1
AH_IO_2
AH_IO_3
AH_IO_4
AH_IO_5
AH_IO_6
AH_IO_7
C53
0.1UF
R37
200K
C54
0.1UF
U9
IO_8-13
IO_8
IO_9
IO_10
IO_11
IO_12
IO_13
I2C1_SCL
I2C1_SDA
AH_IO_8
AH_IO_9
AH_IO_10
AH_IO_11
AH_IO_12
AH_IO_13
AH_I2C1_SCL
AH_I2C1_SDA
I2C EEPROM
C47
0.1UF
R33
R34
10K
10K
U5
WP
A1
A2
NC
VSS
SCL
SDA
I2C0_SCL_E
I2C0_SDA_E
CAT24M01WI-GT3
J10
I2C0_SCL_H
I2C0_SDA_H
Conn_1X4
J7
I2C0_SCL
I2C0_SCL_E
I2C0_SCL_H
J11
I2C0_SDA
I2C0_SDA_E
I2C0_SDA_H
ADC
C49
0.1UF
C50
0.1UF
U7
CH0
CH1
CH2
CH3
CH4
CH5
CH6
CH7
MUX
Vref
Vdd
ADC
CNTRL
CLK
Dout
Din
CS/SHDN
AGND
DGND
SPI0_CLK
SPI0_MISO
SPI0_MOSI
SPI0_nCS
MCP3008
R35
10K
ARDUINO HEADER
J17
SPI1_nCS
SPI1_MOSI
SPI1_MISO
SPI1_CLK
Conn_1x6_F
J18
IO_14
IO_15
J19
Conn_1x3_M
J20
RESET_AH
RESET
Conn_1x8
J22
Conn_1x10
J21
Conn_1x6_F
J23
Conn_1x8
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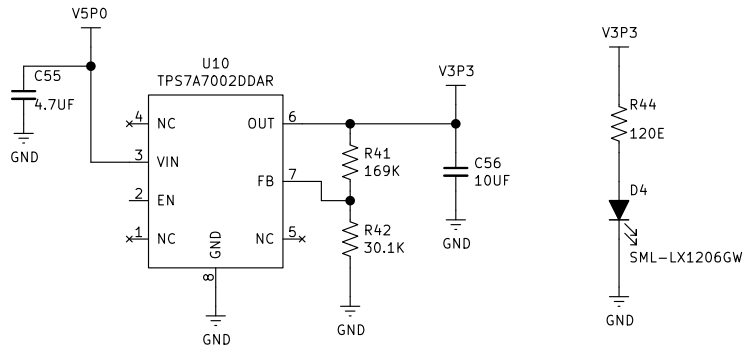
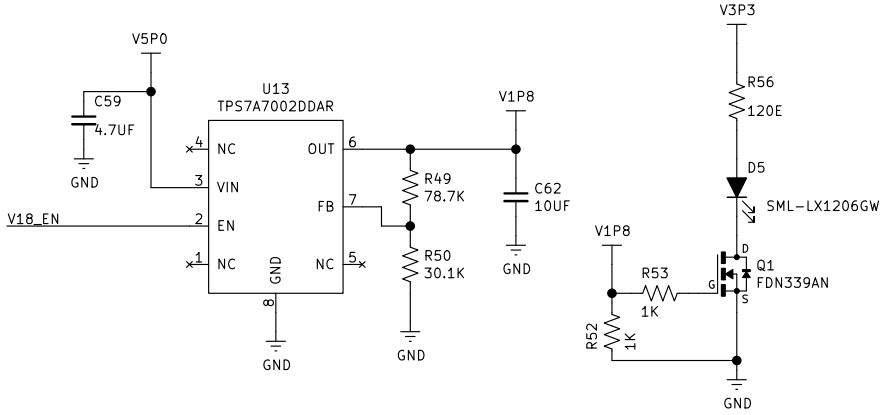
Sheet: /arduino_header/
File: arduino_header.sch
Title: AARDONYX_DEVELOPMENT_BOARD
Size: A4
Date:
Rev: R1V0
KiCad E.D.A. kicad (5.1.4)-1
Id: 5/7

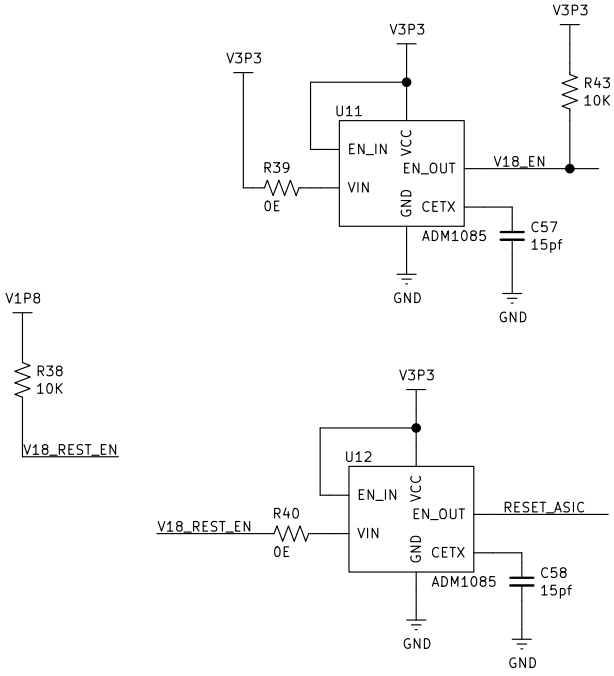
LDO FOR V3P3 POWER RAIL



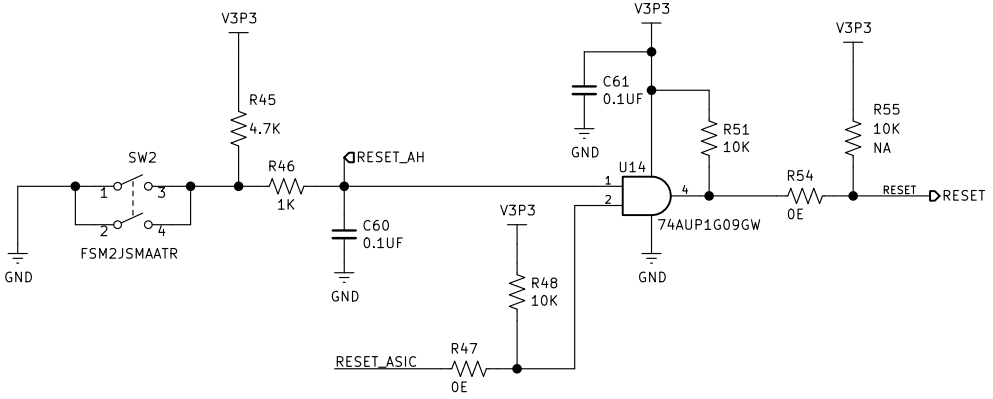
LDO FOR V1P8 POWER RAIL



VOLTAGE SEQUENCER



RESET FOR ASIC



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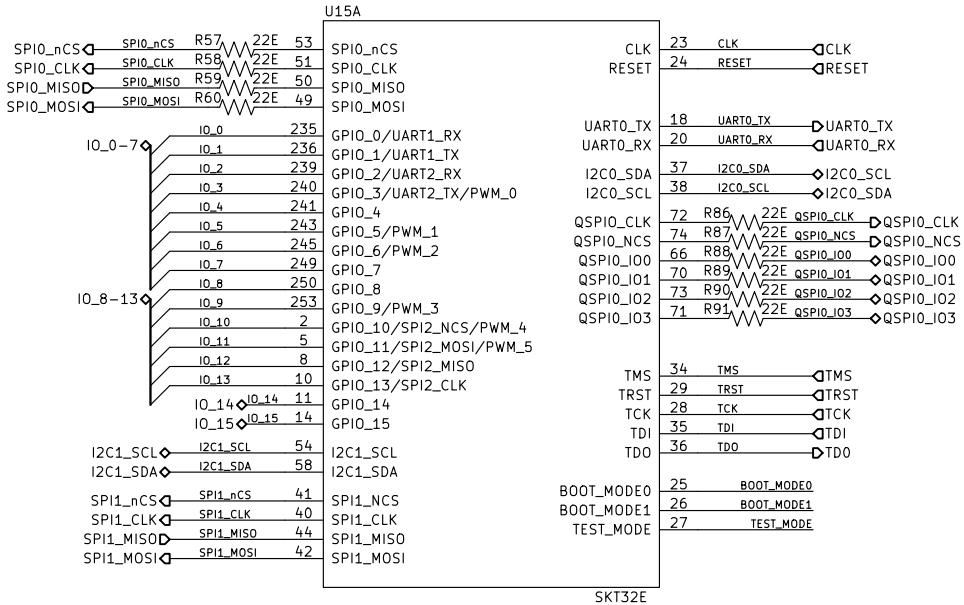
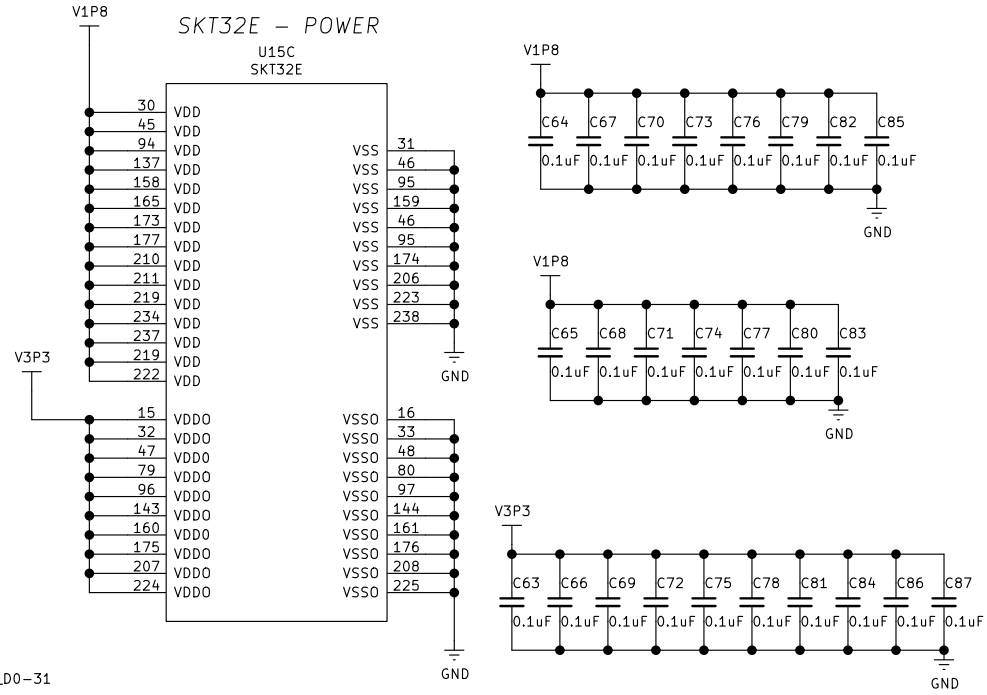
Title: AARDONYX_DEVELOPMENT_BOARD	
Size: A4	Date: **Rev: R1V0**
KiCad E.D.A. kicad (5.1.4)-1	Id: 6/7

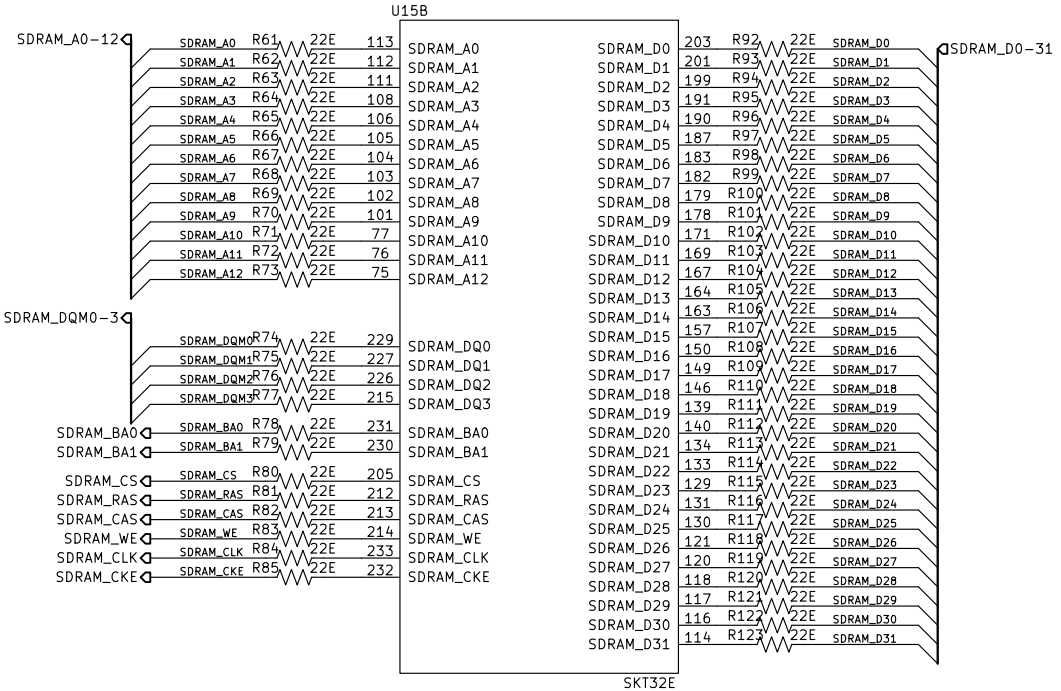
SKT32E – PERIPHERALS



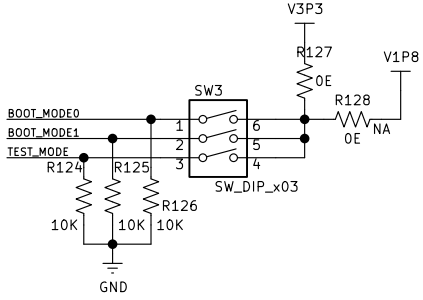
SKT32E – POWER



SKT32E – SDRAM



MODE SELECT SWITCH



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Sheet: /soc/		
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Title: AARDONYX_DEVELOPMENT_BOARD		
Size: A4	Date:	**Rev: R1V0**
KiCad E.D.A. kicad (5.1.4)–1		Id: 7/7