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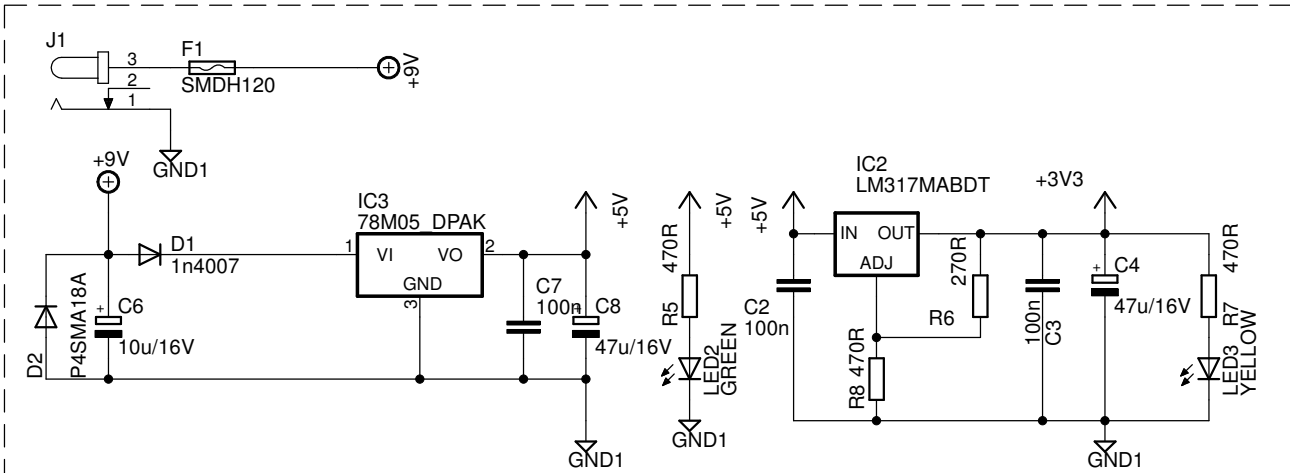
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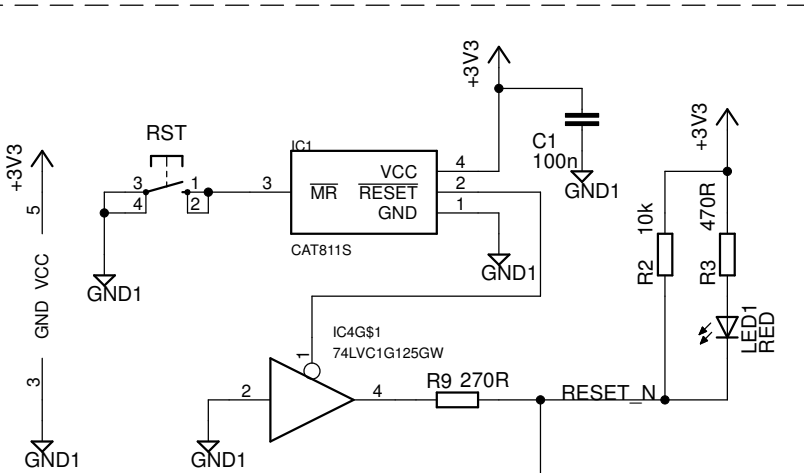
# Cortex-M3 DEVELOPMENT BOARD WITH A FOCUS ON MULTIMEDIA APPLICATIONS

## CM3board Revision A

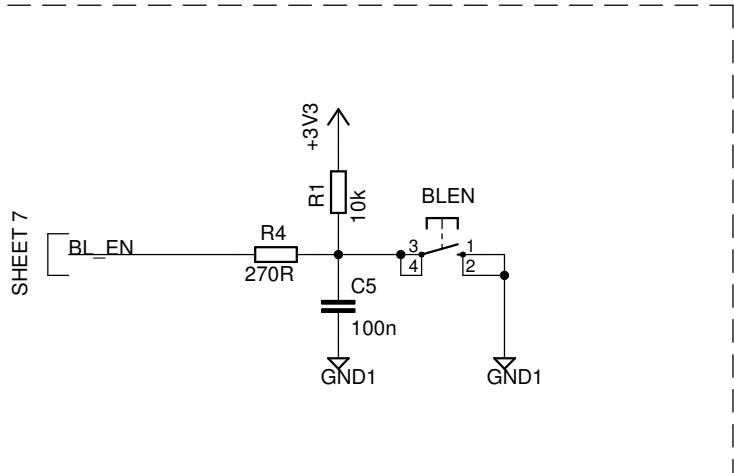
# SUPPLY AND SYSTEM CONTROL



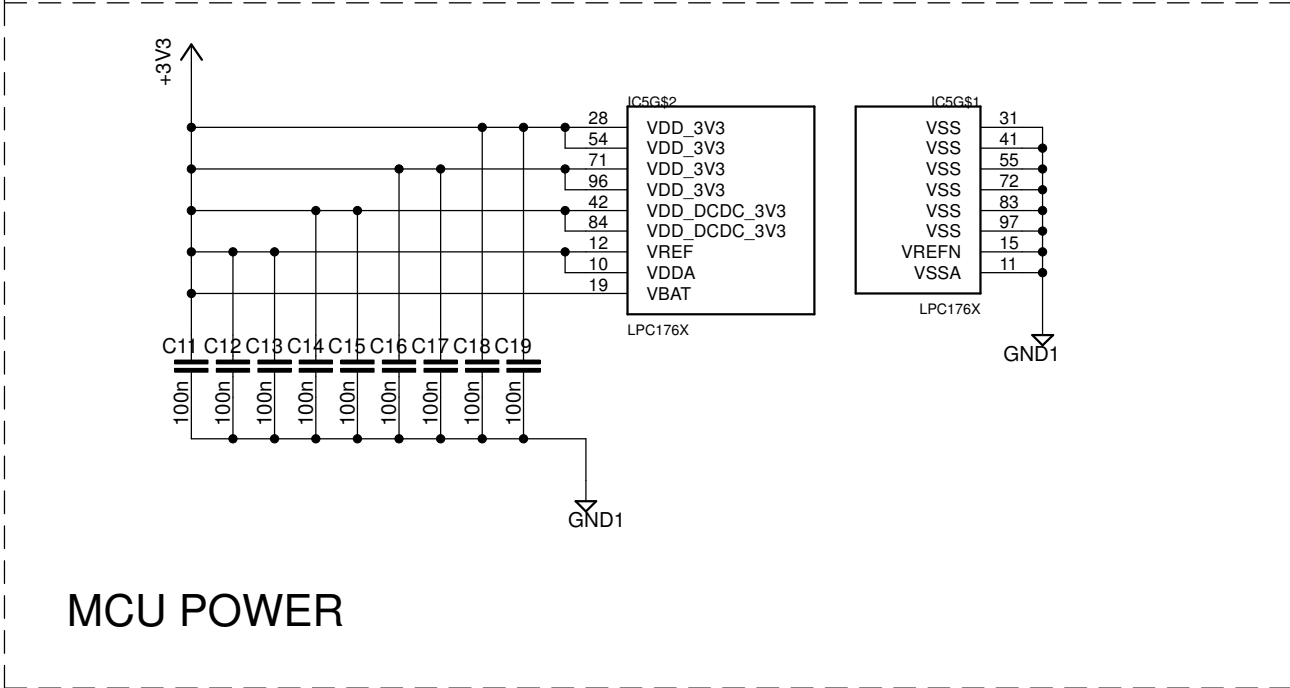
POWER SUPPLY



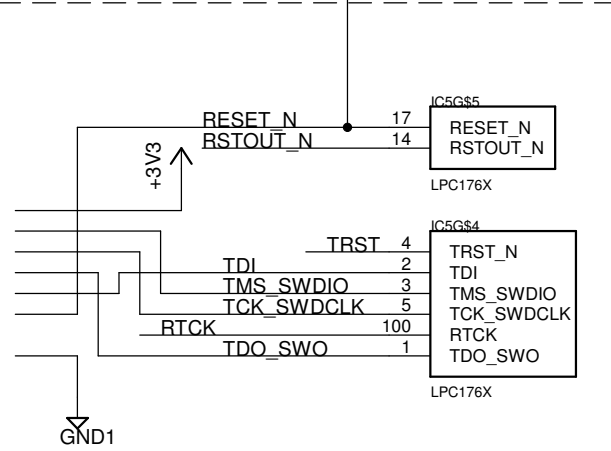
RESET GENERATION



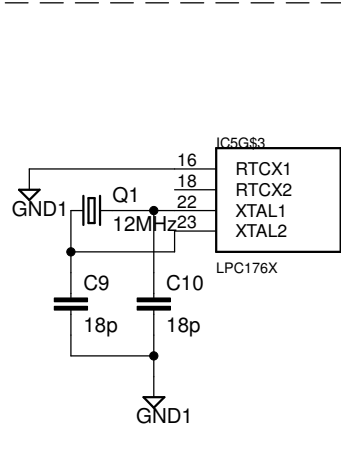
BOOTLOADER ENABLE BUTTON



MCU POWER

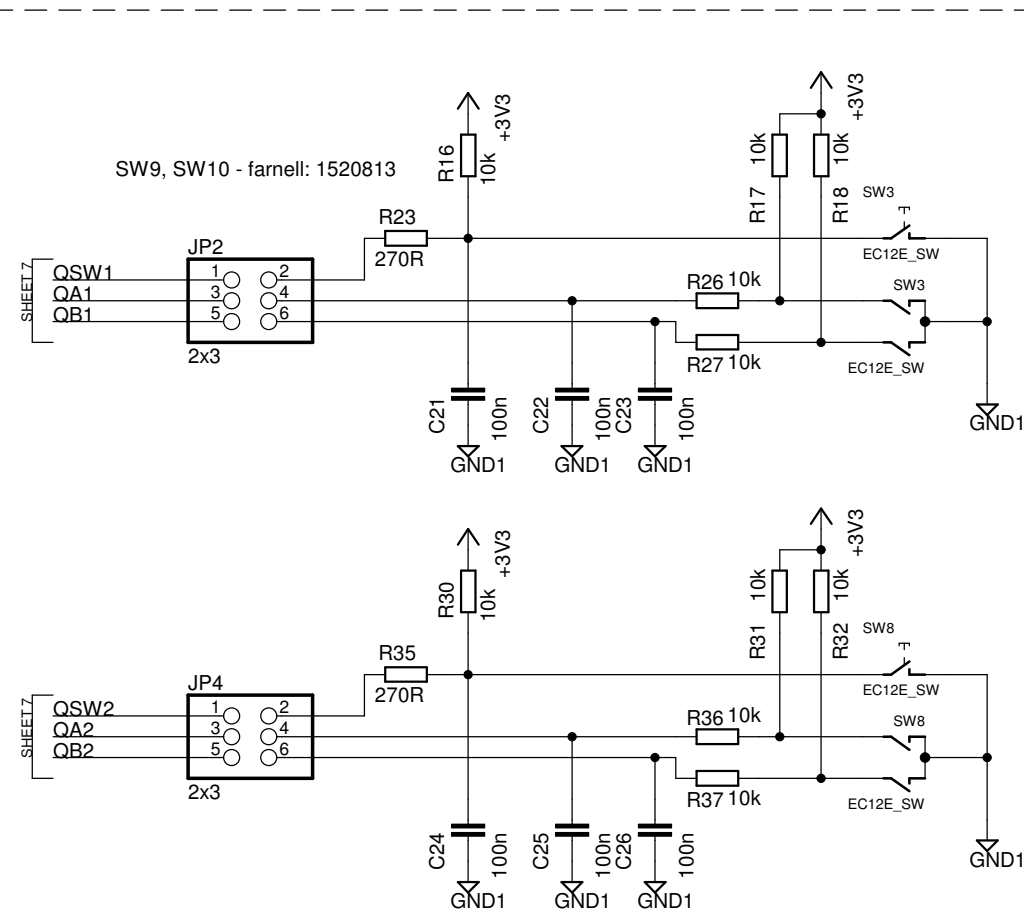


JTAG INTERFACE

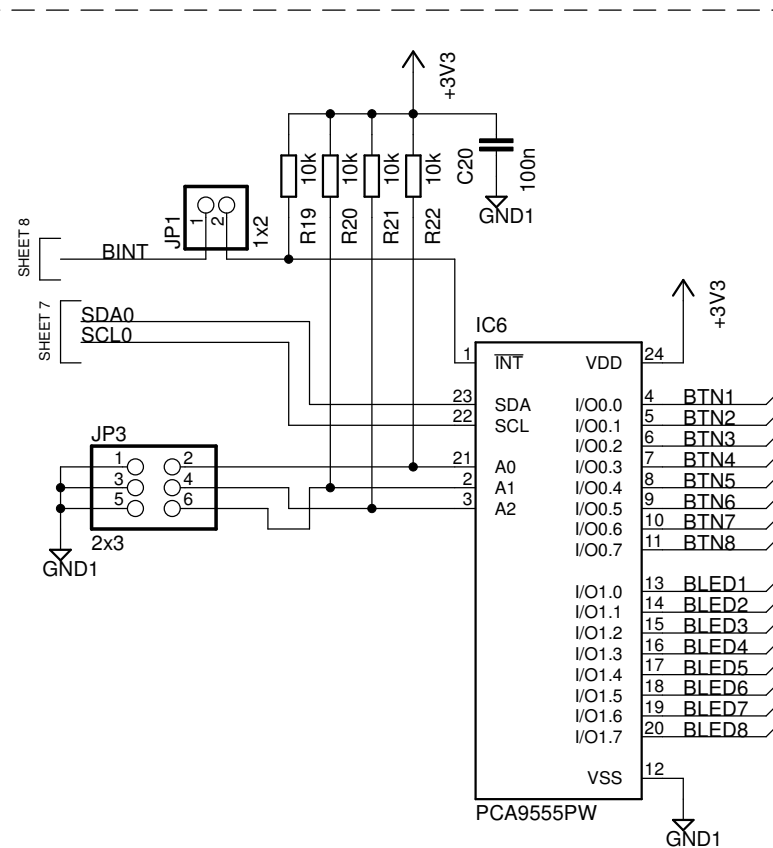


CLOCK SOURCE

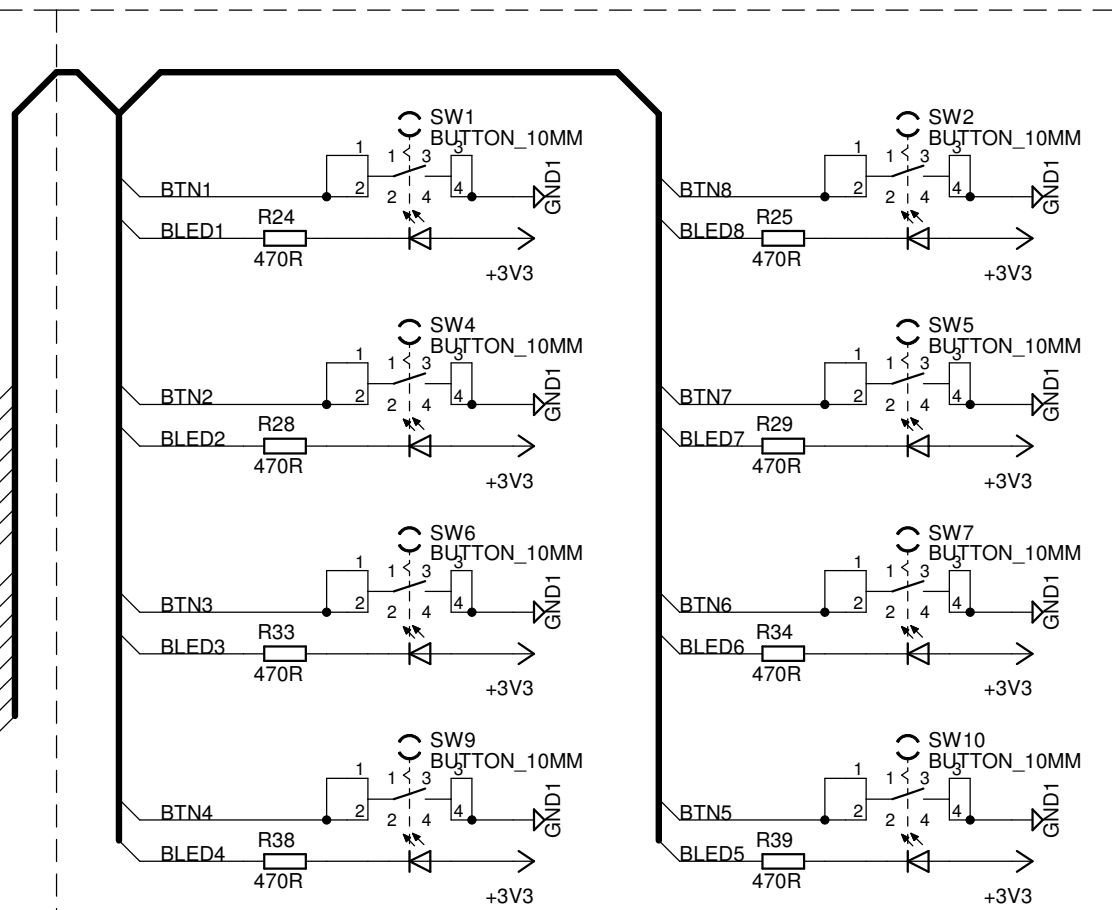
# USER INTERFACE



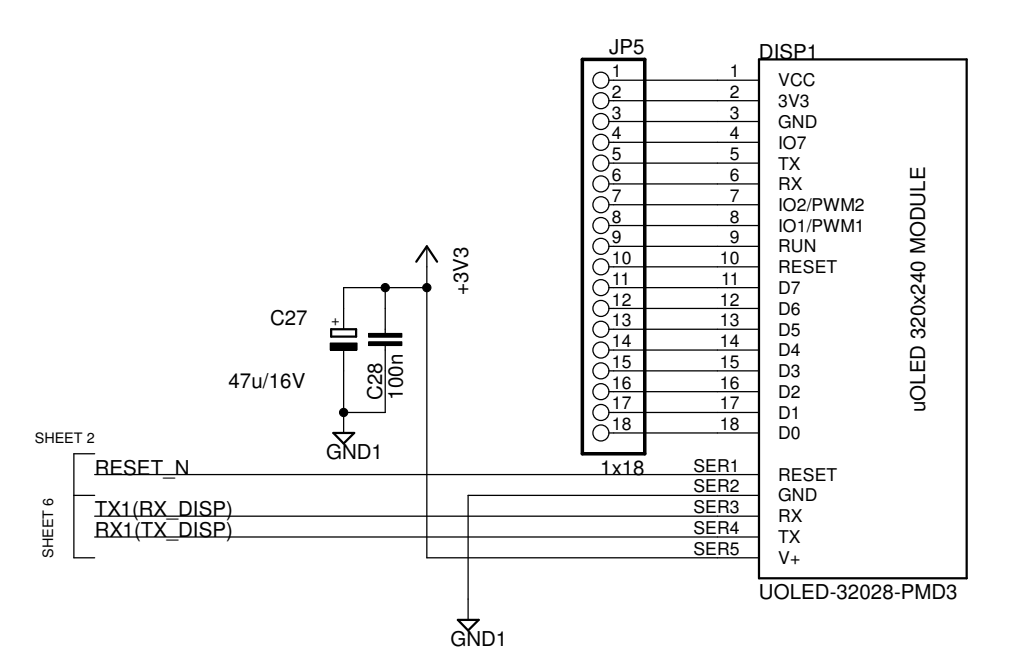
QUADRATURE ROTARY ENCODERS



16-BIT I2C EXPANDER

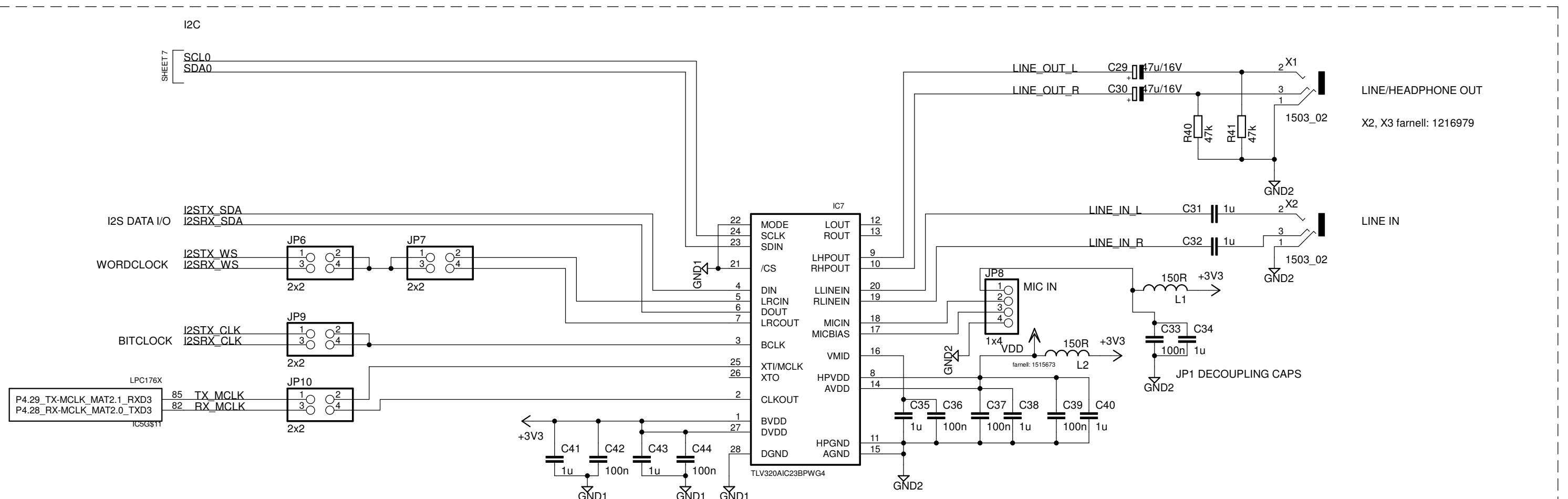


BACKLIGHTED USER BUTTONS

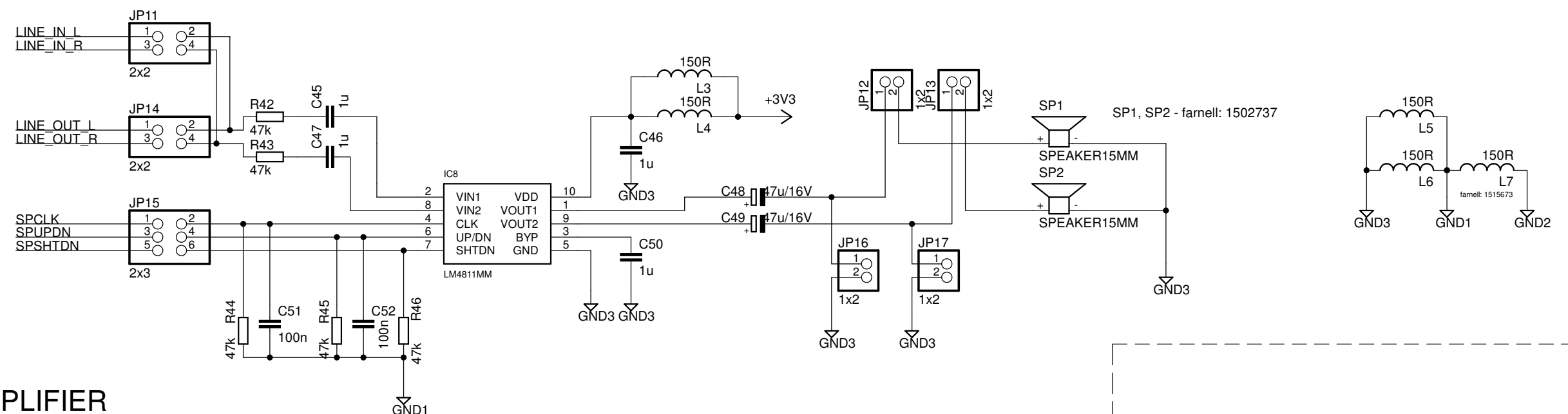


OLED DISPLAY INTERFACE

# AUDIO INTERFACE

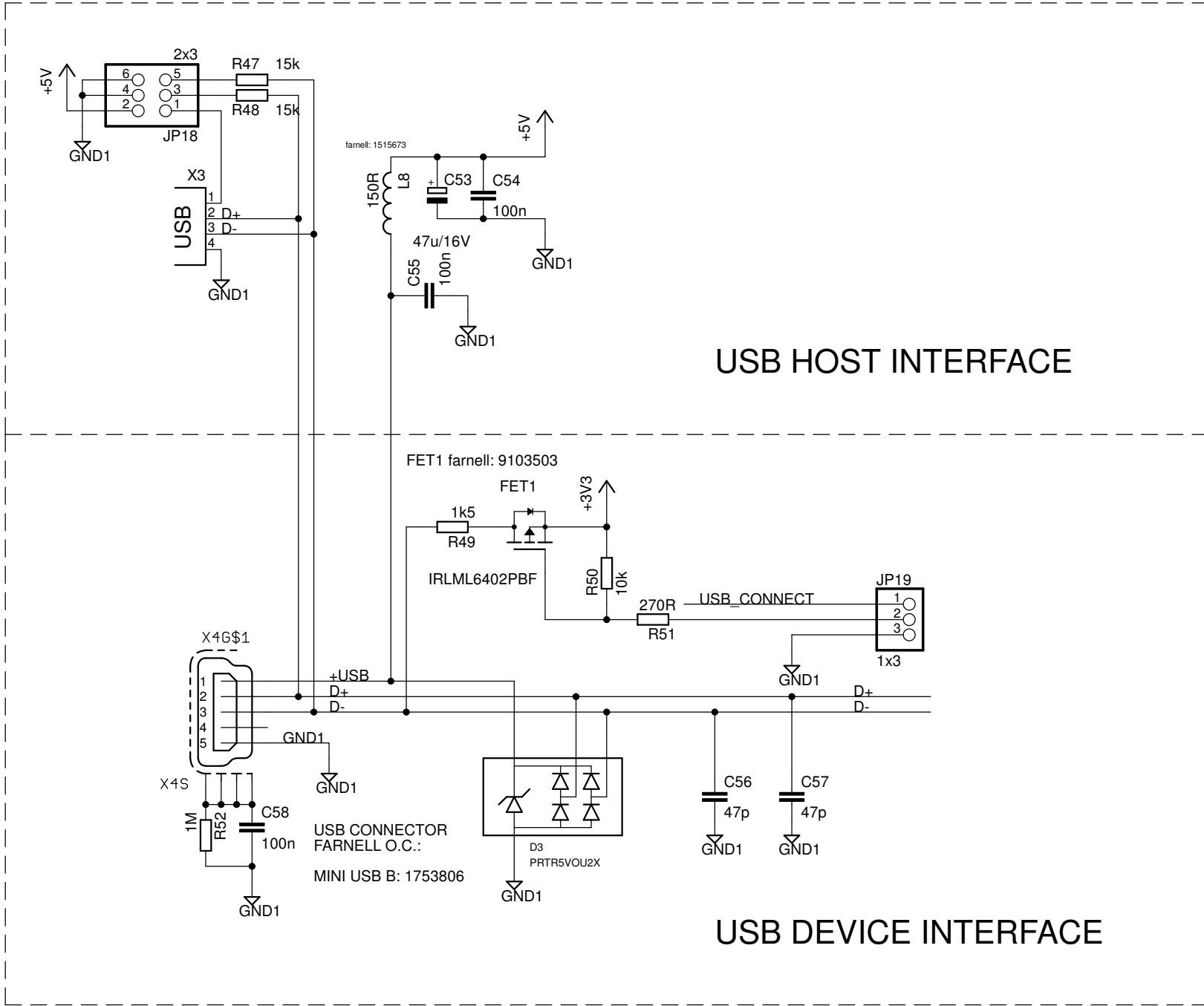


## I2S AUDIO CODEC

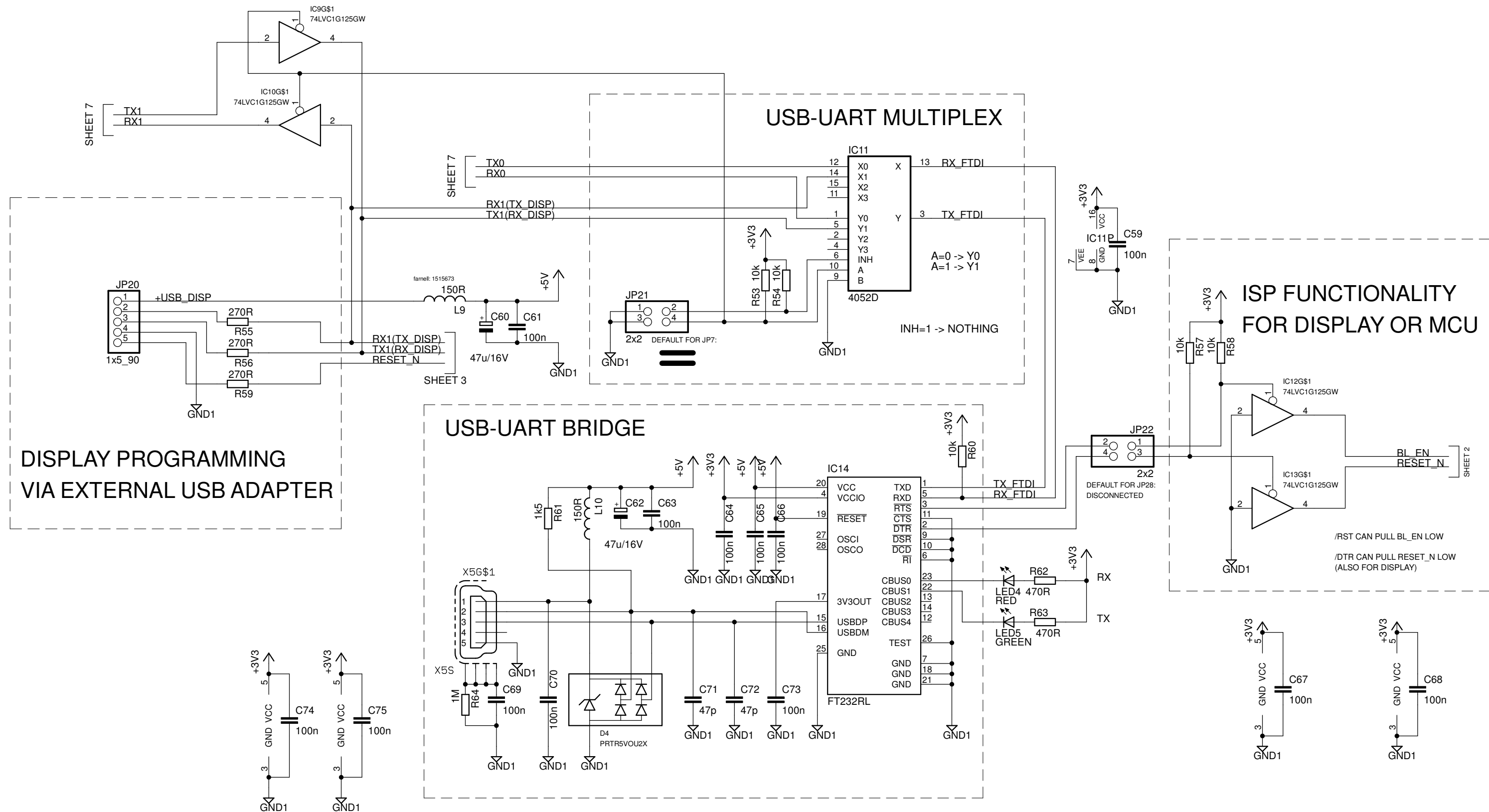


# AUDIO POWER AMPLIFIER

# USB DEVICE/HOST INTERFACE



# USB UART INTERFACE



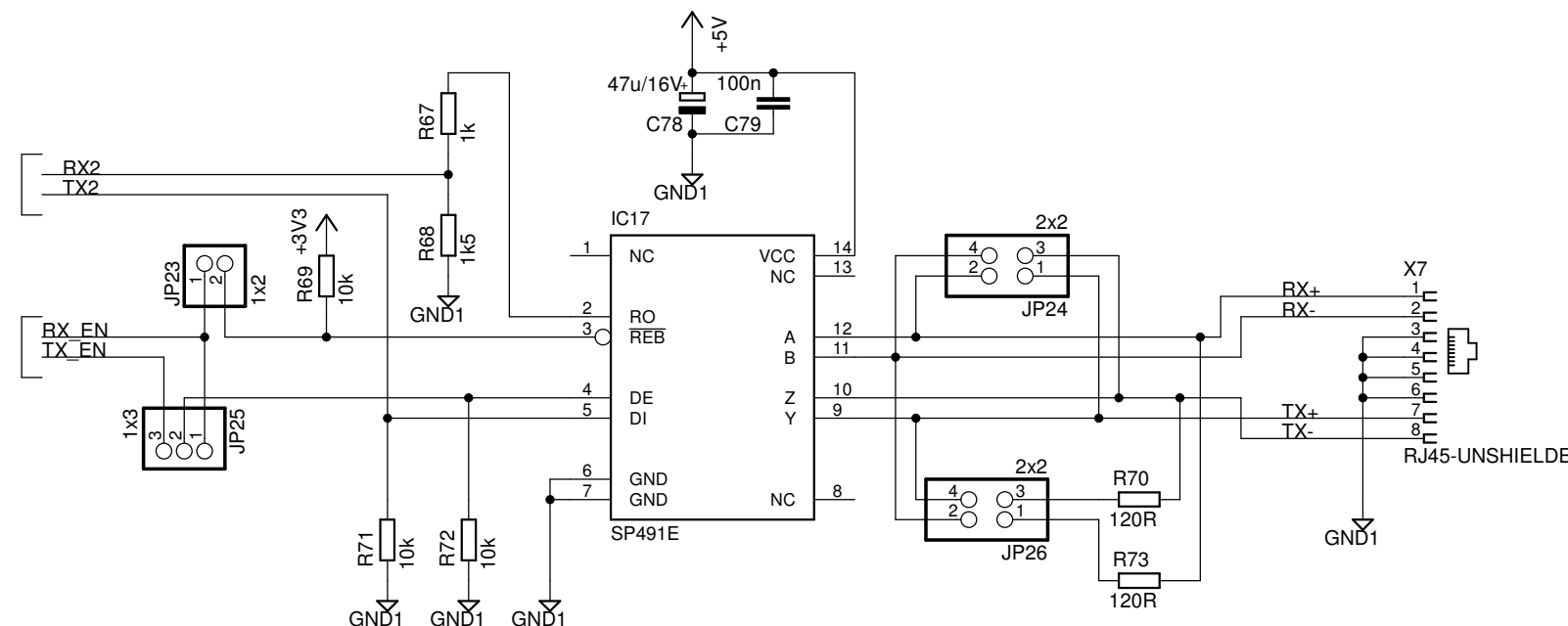
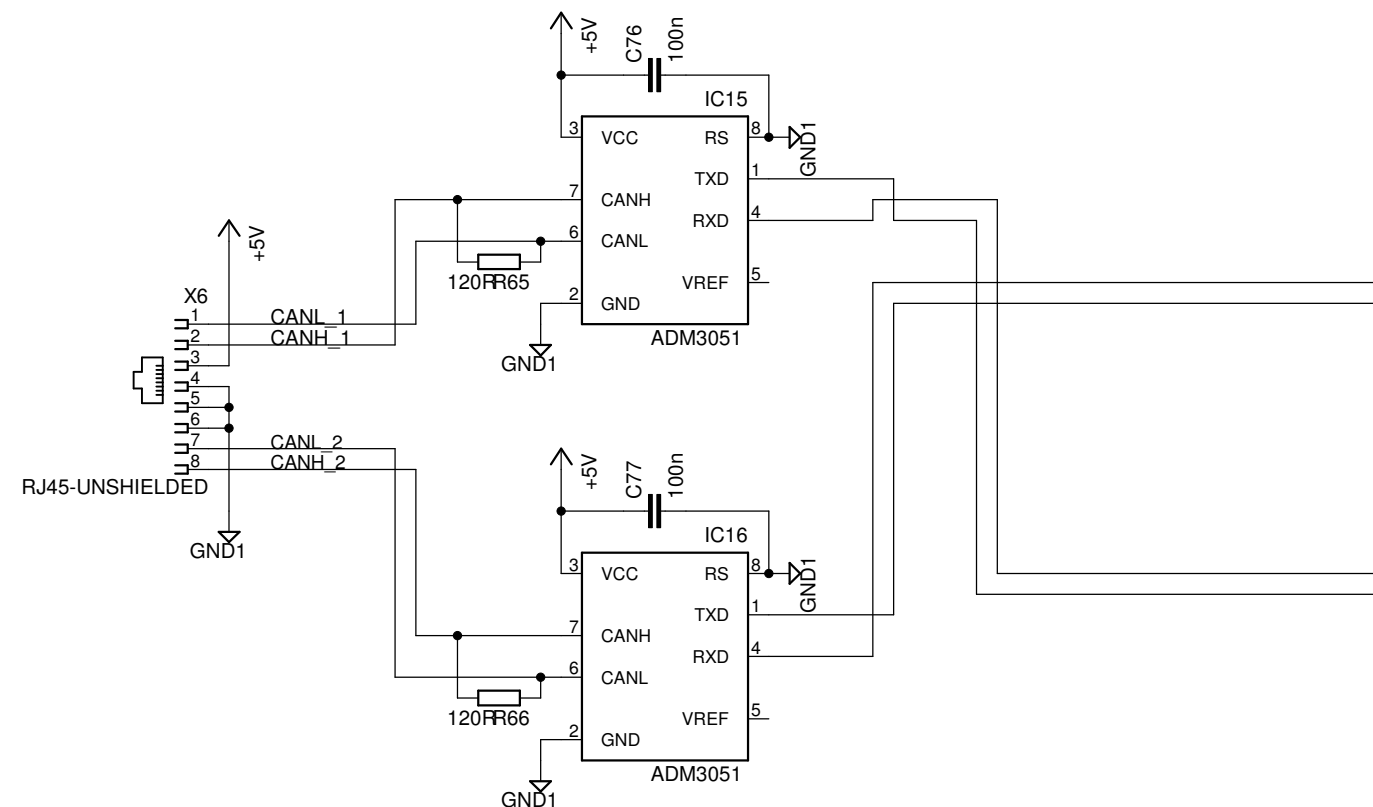


# SERIAL INTERFACES

## CAN BUS DRIVERS

## RS422/RS485 TRANSCEIVER

## MCU PORT0 AND PORT2



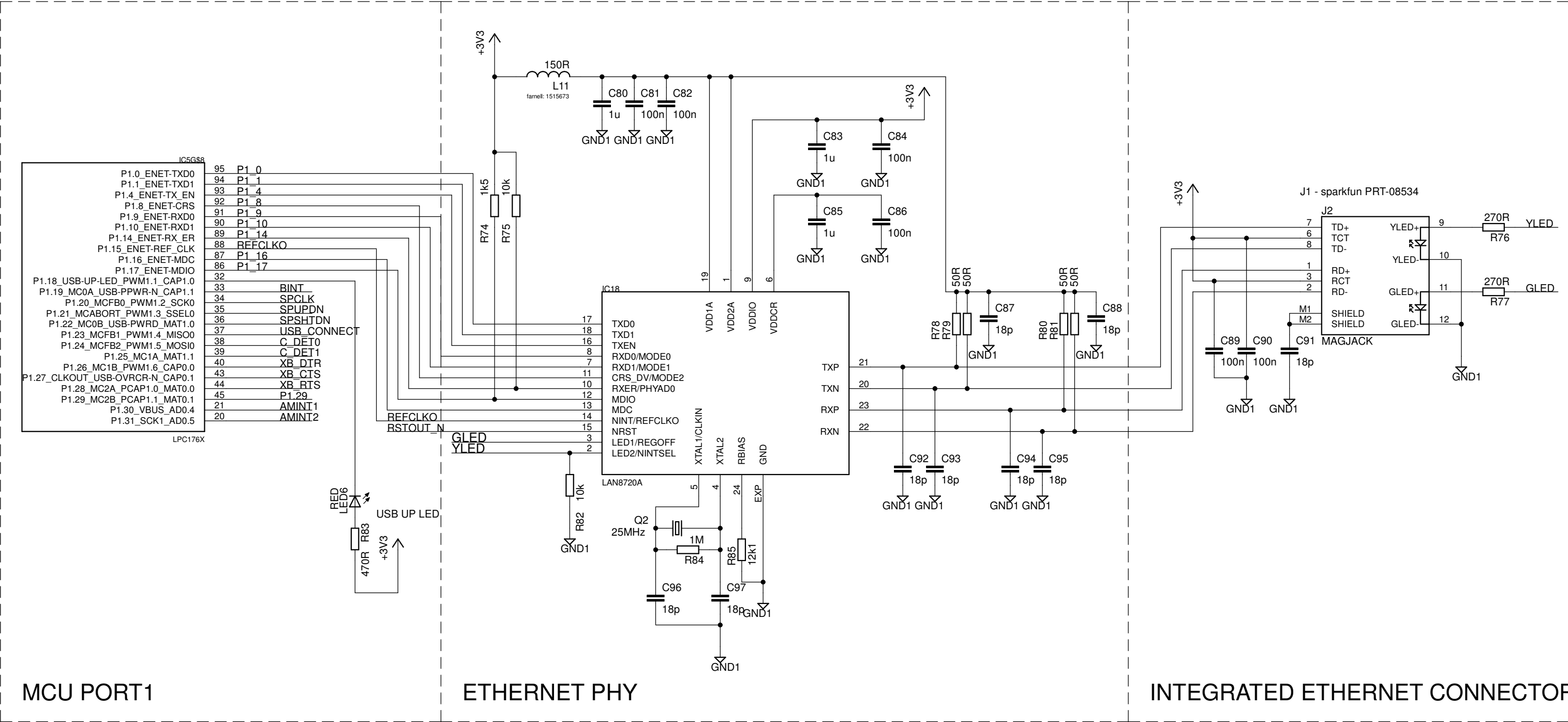
| IC5G\$7   |    |
|-----------|----|
| TX3       | 46 |
| RX3       | 47 |
| TX0       | 98 |
| RX0       | 99 |
| CAN2_RX   | 81 |
| CAN2_TX   | 80 |
| SSEL1     | 79 |
| SCK1      | 78 |
| MISO1     | 77 |
| MOSI1     | 76 |
| TX2       | 48 |
| RX2       | 49 |
| SCK0      | 62 |
| SSEL0     | 63 |
| MISO0     | 61 |
| NS189     | 60 |
| SDA1      | 59 |
| SCL1      | 58 |
| CAN1_RX   | 57 |
| CAN1_TX   | 56 |
| I2SRX_CLK | 9  |
| I2SRX_WS  | 8  |
| I2SRX_SDA | 7  |
| SDA0      | 6  |
| SCL0      | 24 |
| D+        | 29 |
| D-        | 30 |

LPC176X

| IC5G\$9   |    |
|-----------|----|
| TX1       | 75 |
| RX1       | 74 |
| QSW1      | 73 |
| QA1       | 70 |
| QB1       | 69 |
| QSW2      | 68 |
| QA2       | 67 |
| QB2       | 66 |
| RX_EN     | 65 |
| TX_EN     | 64 |
| BL_EN     | 53 |
| I2STX_CLK | 52 |
| I2STX_WS  | 51 |
| I2STX_SDA | 50 |

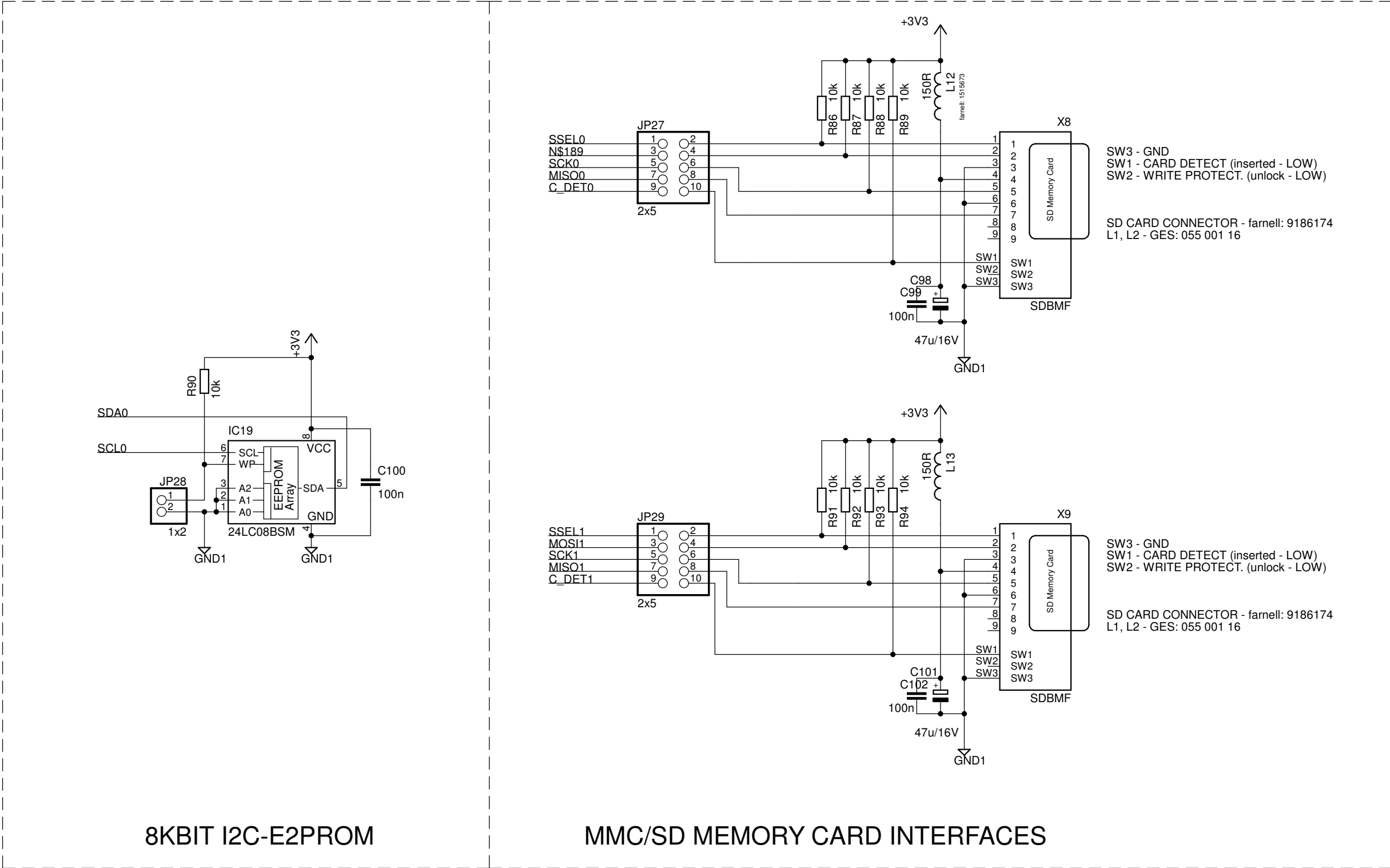
LPC176X

# ETHERNET PHYSICAL LAYER

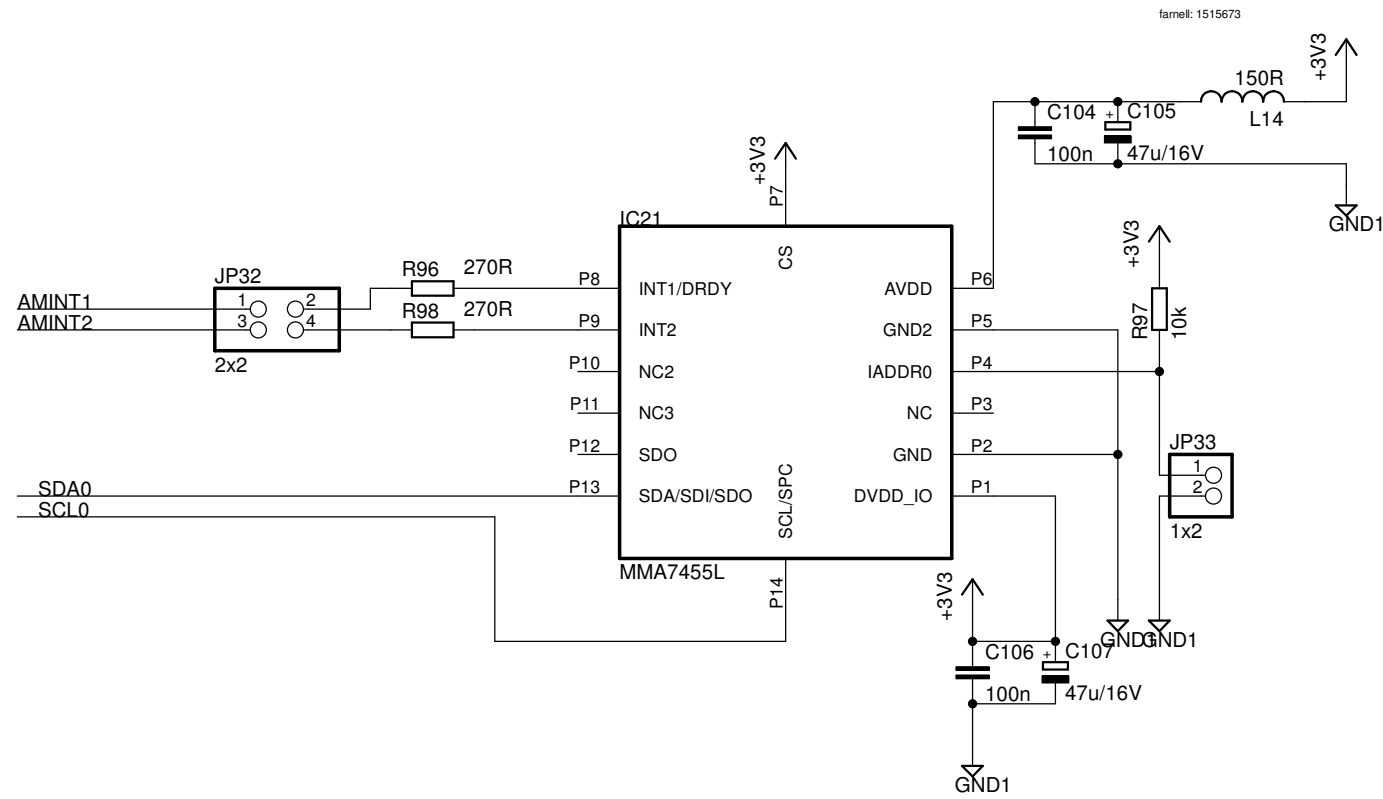




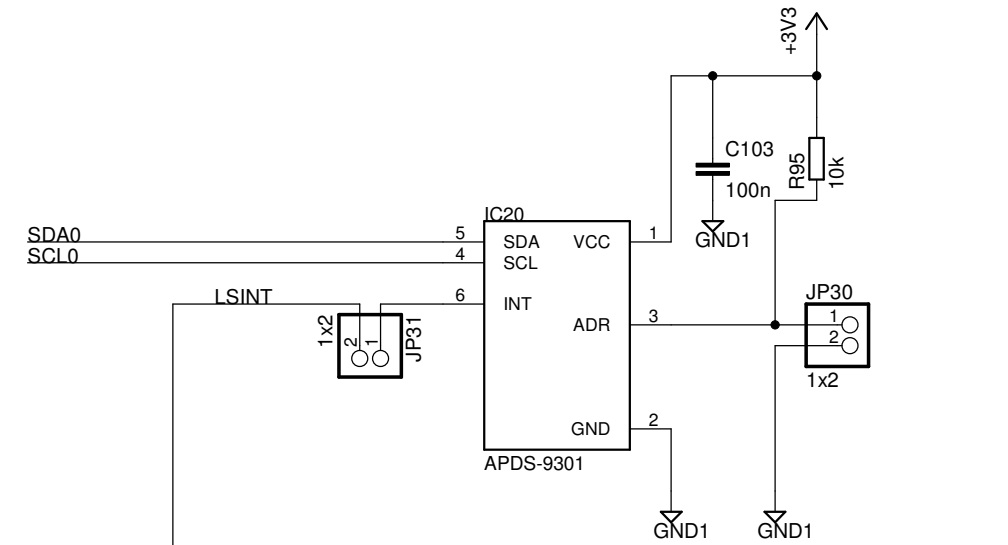
# MEMORY MODULES



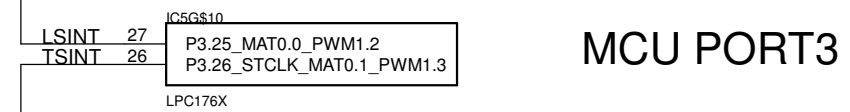
# SENSORS



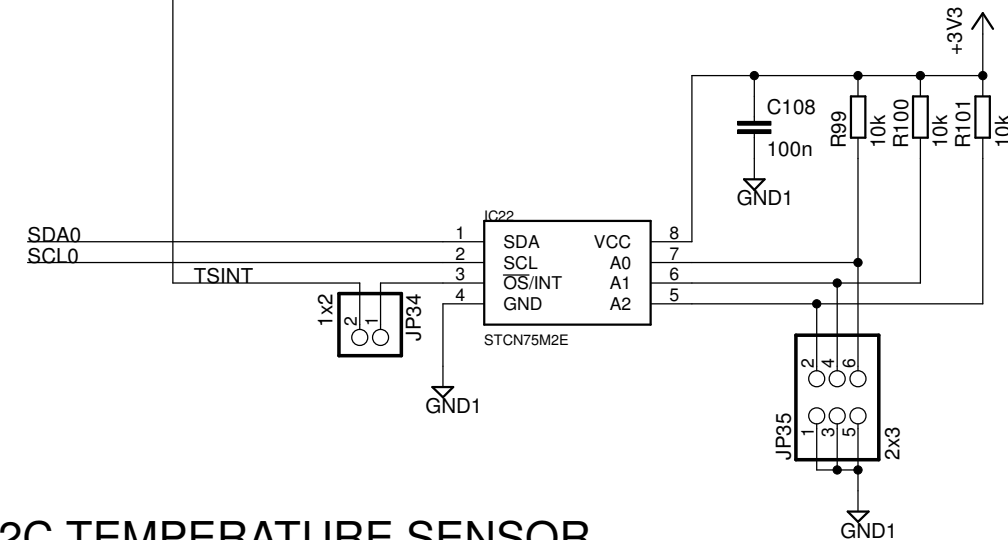
# MMA7455L I2C ACCELEROMETER



## I2C AMBIENT LIGHT SENSOR

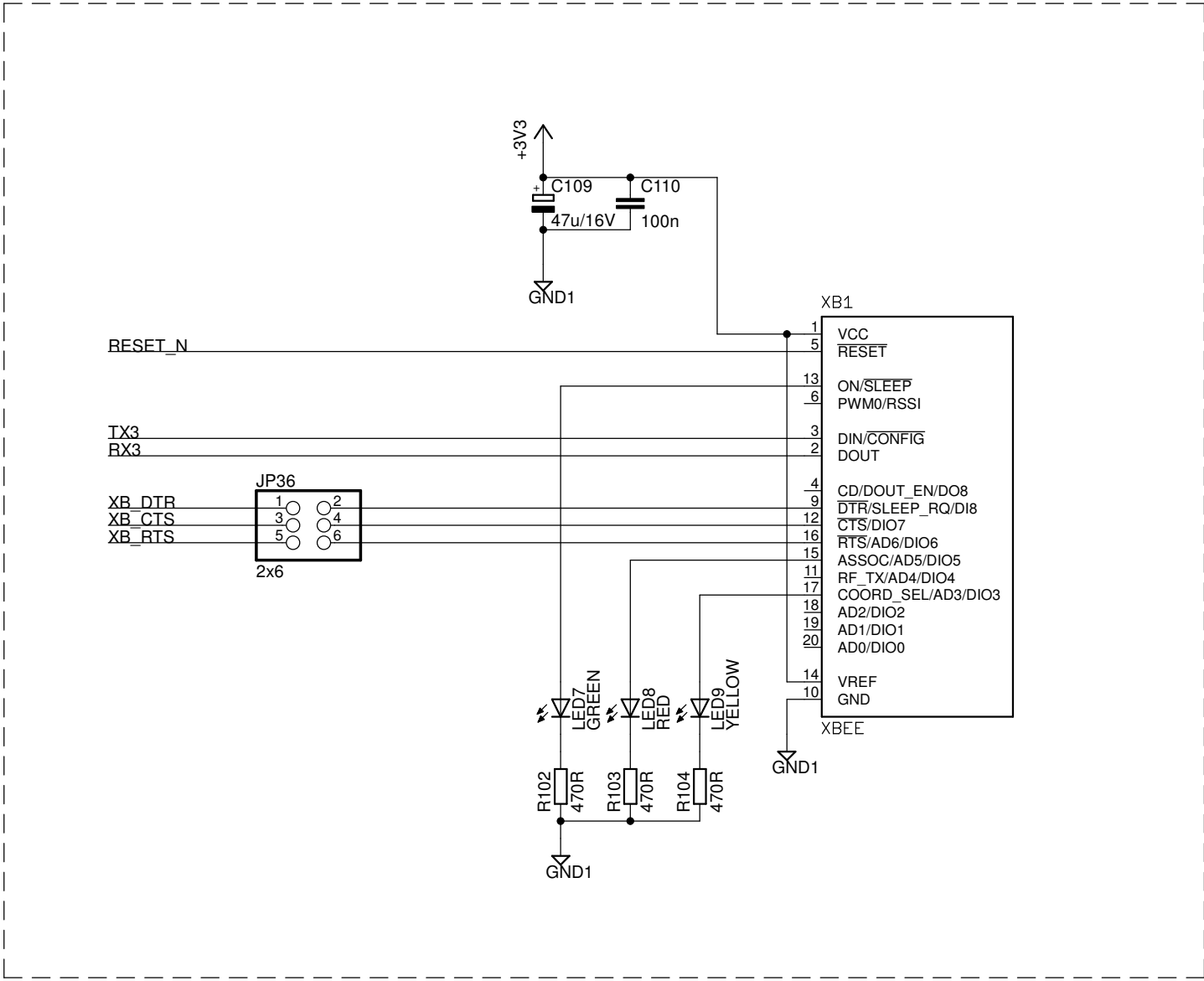


MCU PORT3



## I2C TEMPERATURE SENSOR

# XBEE MODULE



# EXPANSION PORT

