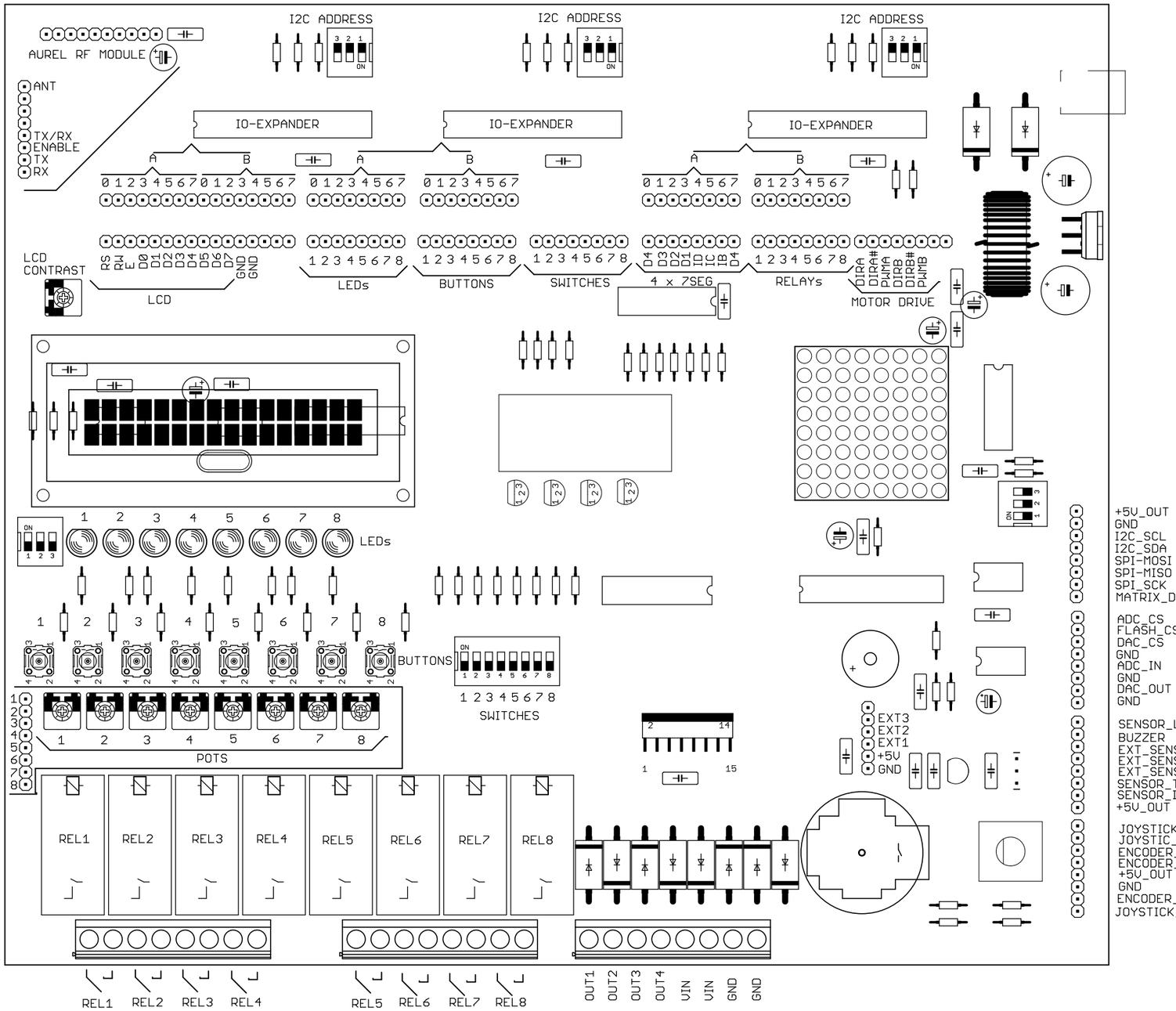
AUREL RF MODULE
ANT
TX/RX
ENABLE
TX
RX
I2C ADDRESS
I2C ADDRESS
I2C ADDRESS
IO-EXPANDER
IO-EXPANDER
IO-EXPANDER
A
B
LCD CONTRAST
RS
RW
E
D0
D1
D2
D3
D4
D5
D6
D7
GND
GND
LCD
LEDs
BUTTONS
SWITCHES
4 x 7SEG
RELAYs
DIRA
DIRA#
PWMA
DIRB
DIRB#
PWMB
MOTOR DRIVE
LEDs
BUTTONS
SWITCHES
POTS
EXT3
EXT2
EXT1
+5V
GND
REL1
REL2
REL3
REL4
REL5
REL6
REL7
REL8
OUT1
OUT2
OUT3
OUT4
VIN
VIN
GND
GND
+5V_OUT
GND
I2C_SCL
I2C_SDA
SPI-MOSI
SPI-MISO
SPI_SCK
MATRIX_DISPLAY_SS
ADC_CS
FLASH_CS
DAC_CS
GND
ADC_IN
GND
DAC_OUT
GND
SENSOR_LIGHT
BUZZER
EXT_SENS3
EXT_SENS2
EXT_SENS1
SENSOR_TEMPERATURE
SENSOR_IR
+5V_OUT
JOYSTICK_VERTICAL
JOYSTIC_HORIZONTAL
ENCODER_B
ENCODER_A
+5V_OUT
GND
ENCODER_SWITCH
JOYSTICK_SWITCH