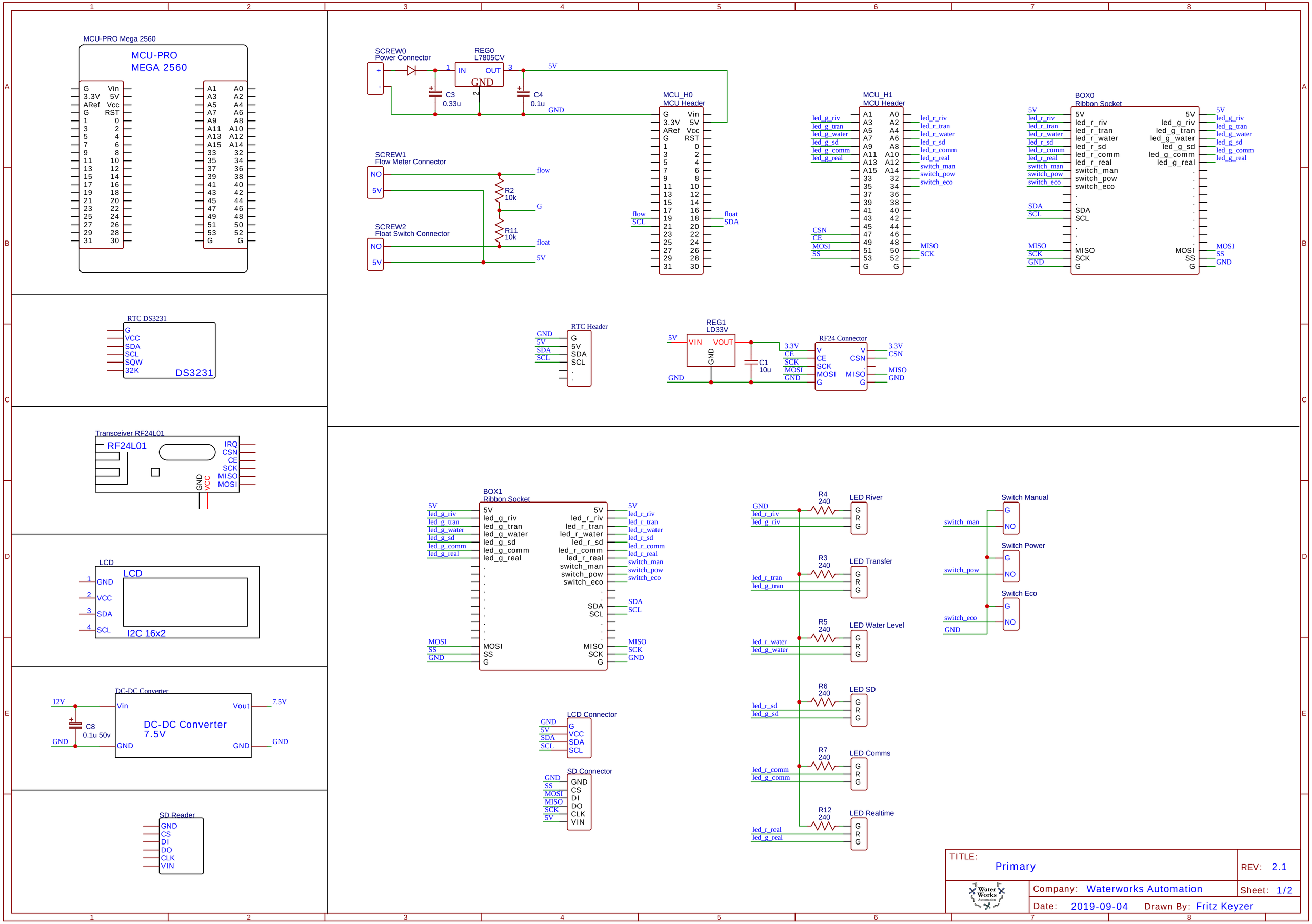
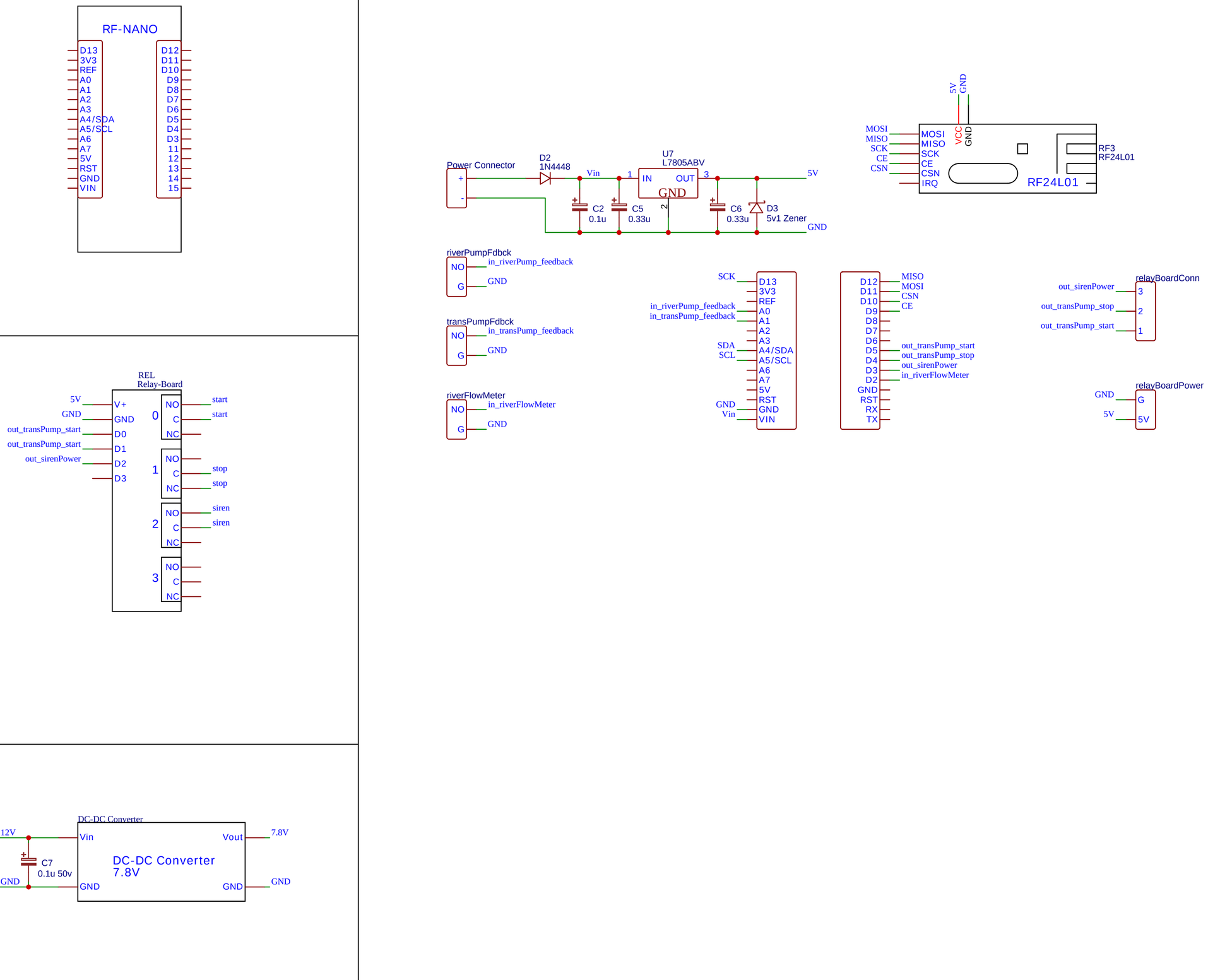

MCU-PRO Mega 2560
MCU-PRO
MEGA 2560
SCREW0
Power Connector
REG0
L7805CV
IN
OUT
GND
C3
0.33u
C4
0.1u
5V
GND
MCU_H0
MCU Header
SCREW1
Flow Meter Connector
NO
5V
R2
10k
R11
10k
flow
G
float
SCREW2
Float Switch Connector
MCU_H1
MCU Header
led_g_riv
led_g_tran
led_g_water
led_g_sd
led_g_comm
led_g_real
led_r_riv
led_r_tran
led_r_water
led_r_sd
led_r_comm
led_r_real
switch_man
switch_pow
switch_eco
CSN
CE
MOSI
SS
MISO
SCK
BOX0
Ribbon Socket
SDA
SCL
RTC DS3231
DS3231
RTC Header
REG1
LD33V
VIN
VOUT
C1
10u
3.3V
RF24 Connector
Transceiver RF24L01
RF24L01
IRQ
CSN
CE
SCK
MISO
MOSI
GND
VCC
BOX1
Ribbon Socket
LCD
I2C 16x2
DC-DC Converter
12V
Vin
Vout
7.5V
C8
0.1u 50v
DC-DC Converter
7.5V
SD Reader
LCD Connector
SD Connector
R4
240
LED River
R3
240
LED Transfer
R5
240
LED Water Level
R6
240
LED SD
R7
240
LED Comms
R12
240
LED Realtime
Switch Manual
Switch Power
Switch Eco
TITLE:
Primary
REV: 2.1
Company: Waterworks Automation
Sheet: 1/2
Date: 2019-09-04
Drawn By: Fritz Keyzer



TITLE: Secondary Unit		REV: 2.1
Water Works Automation	Company: Waterworks Automation	Sheet: 2/2
	Date: 2019-09-04 Drawn By: Fritz Keyzer	