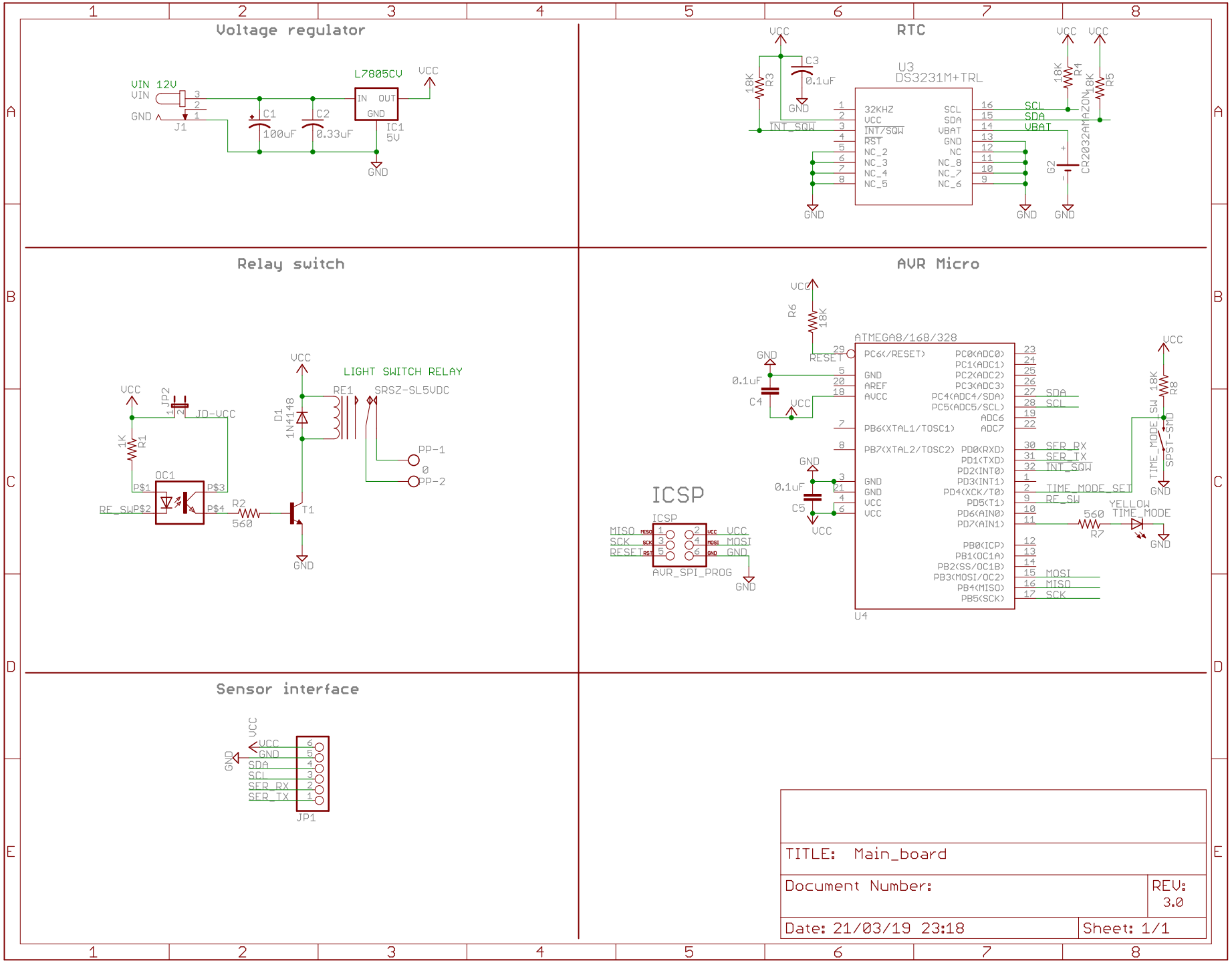
Voltage regulator
VIN 12V
VIN
GND
J1
L7805CV
IN OUT
GND
IC1
5V
VCC
C1
100uF
C2
0.33uF
GND
RTC
VCC
C3
0.1uF
18K
R3
GND
U3
DS3231M+TRL
32KHZ
VCC
INT/SQW
RST
NC_2
NC_3
NC_4
NC_5
SCL
SDA
VBAT
GND
NC
NC_8
NC_7
NC_6
INT_SQW
SCL
SDA
VBAT
18K
R4
18K
R5
G2
CR2032AMAZON
GND
Relay switch
VCC
JP2
JD-VCC
1K
R1
OC1
P$1
P$3
RF_SW
P$2
P$4
R2
560
T1
D1
1N4148
LIGHT SWITCH RELAY
RE1
SRSZ-SL5VDC
PP-1
0
PP-2
GND
AVR Micro
VCC
R6
18K
GND
RESET
0.1uF
C4
ATMEGA8/168/328
PC6(/RESET)
GND
AREF
AVCC
PB6(XTAL1/TOSC1)
PB7(XTAL2/TOSC2)
PC0(ADC0)
PC1(ADC1)
PC2(ADC2)
PC3(ADC3)
PC4(ADC4/SDA)
PC5(ADC5/SCL)
ADC6
ADC7
PD0(RXD)
PD1(TXD)
PD2(INT0)
PD3(INT1)
PD4(XCK/T0)
PD5(T1)
PD6(AIN0)
PD7(AIN1)
PB0(ICP)
PB1(OC1A)
PB2(SS/OC1B)
PB3(MOSI/OC2)
PB4(MISO)
PB5(SCK)
SDA
SCL
SFR_RX
SFR_TX
INT_SQW
TIME_MODE_SET
RF_SW
MOSI
MISO
SCK
U4
ICSP
MISO
SCK
RESET
VCC
MOSI
GND
AVR_SPI_PROG
18K
R8
TIME_MODE_SW
SPST-SMD
560
R7
YELLOW
TIME_MODE
Sensor interface
VCC
GND
SDA
SCL
SFR_RX
SFR_TX
JP1
TITLE: Main_board
Document Number:
REV: 3.0
Date: 21/03/19 23:18
Sheet: 1/1