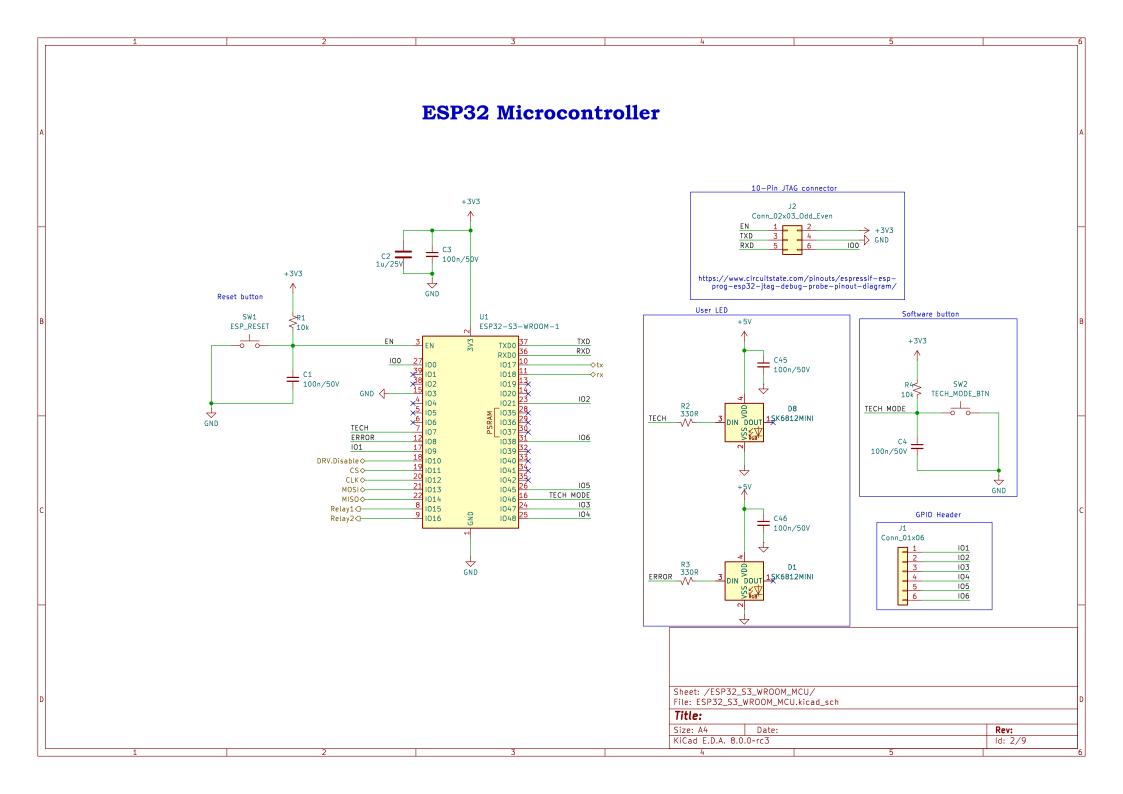
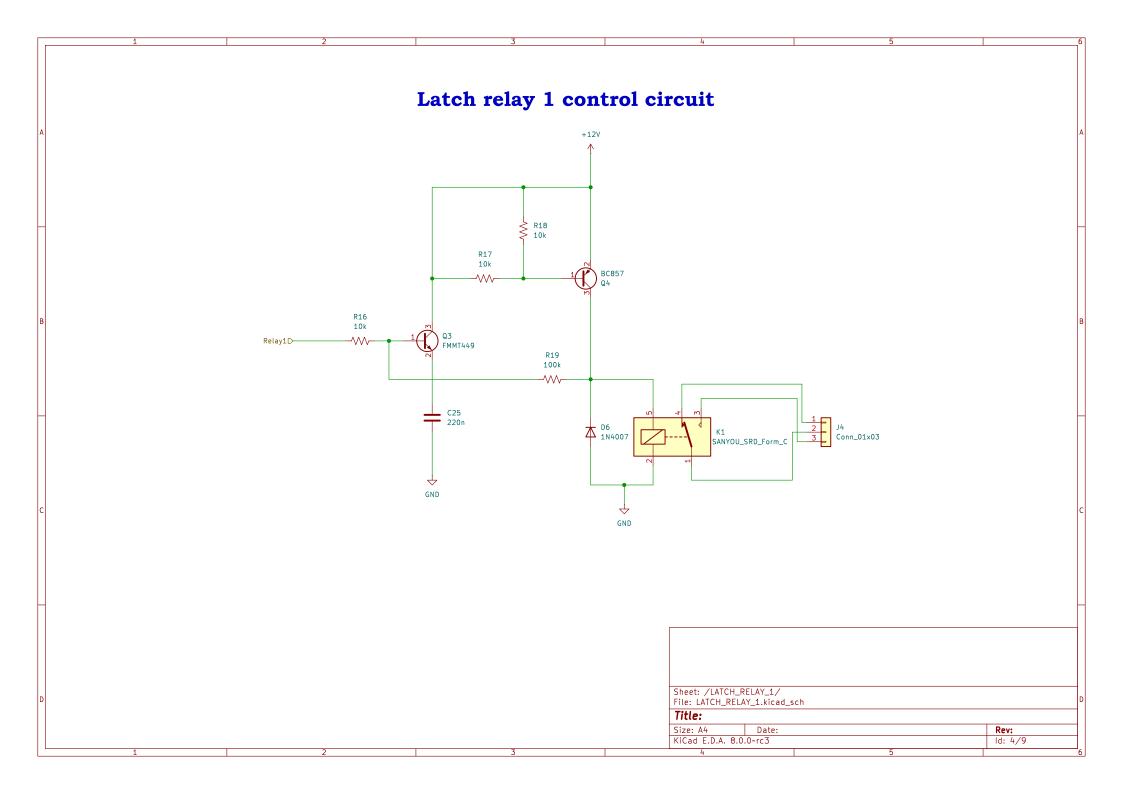
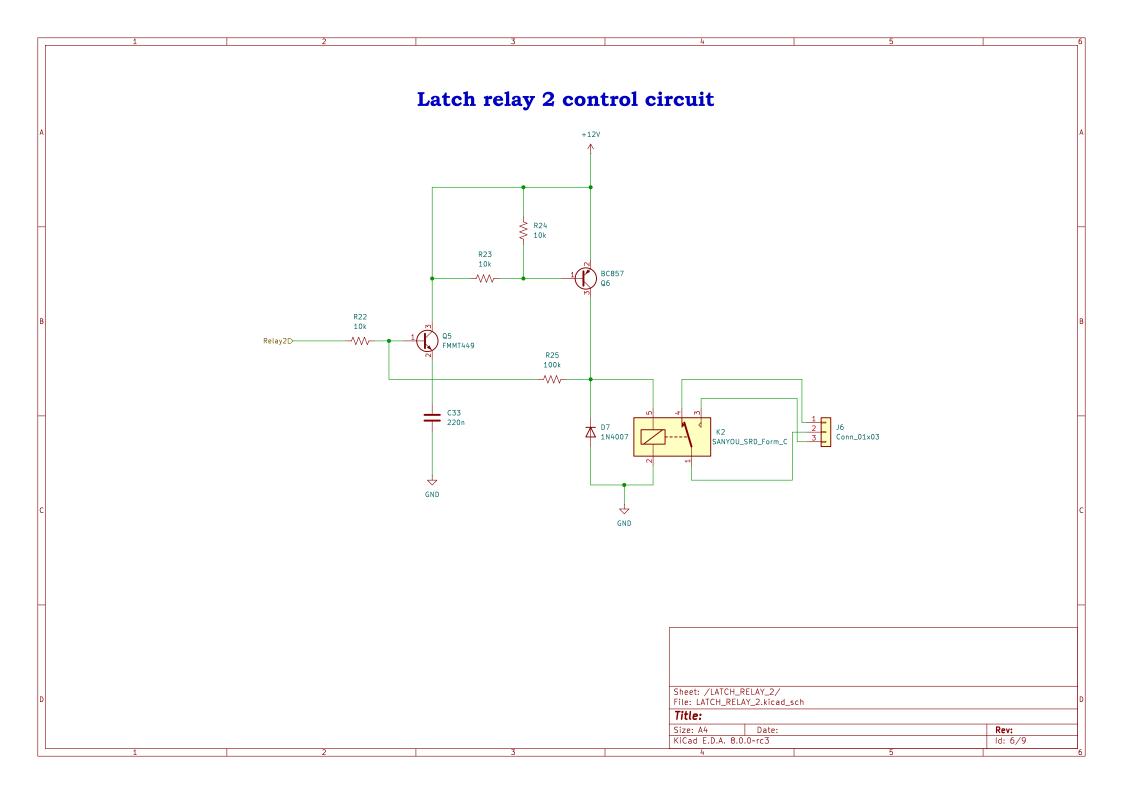
EASYGATE +12V +5٧ 12V_BUCK_CONVERTER 5V_BUCK_BOOST_CONVERTER AP2114HA-3.3V_LD0 DC-DC Converter >5V_IN DC-DC Converter 12v Output 12V_OUTD 5v Output 5V_OUTD ⊃5Vin File: AP2114HA-3.3V_LDO.kicad_sch File: 5V_BUCK_BOOST_CONVERTER.kicad_sch File: 12V_BUCK_CONVERTER.kicad_sch ESP32_S3_WROOM_MCU DRV8873SPWPR_B.DC_Motor_Driver ⇒DRV.Disable DRV.Disable 🗘 CLK¢ ⇒CLK DC motor control LATCH_RELAY_1 CSO Control section Latch relay 1 MOSI♦ ⇒MOSI Relay1< ⊲Relay1 MISO◊ ESP32 File: LATCH_RELAY_1.kicad_sch File: DRV8873SPWPR_B.DC_Motor_Driver.kicad_sch R200_RFID_UHF LATCH_RELAY_2 Latch relay 2 Relay2< □Relay2 **UFL RFID Section** File: LATCH_RELAY_2.kicad_sch rx♦ File: R200_RFID_UHF.kicad_sch File: ESP32_S3_WROOM_MCU.kicad_sch O H1 MountingHole O H4 MountingHole Sheet: / File: EasyGate.kicad_sch Title: Size: A4 Date: KiCad E.D.A. 8.0.0~rc3 ld: 1/9

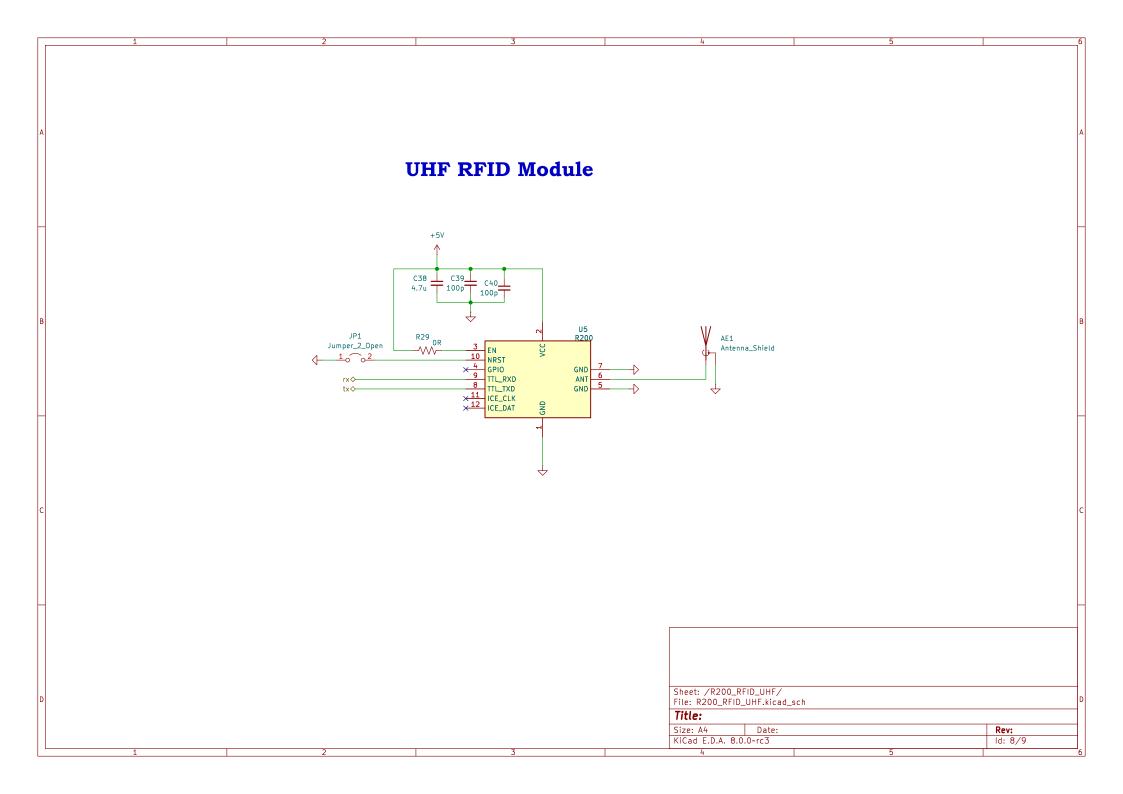




DRV8873 H-Bridge Motor Driver +12V C31 1u U3 DRV8873SPWPR ± 1u VCP 13 VM +3٧3 DVDD × 7 × 8 9 EN/IN1 OUT1 GND GND GND GND PH/IN2 OUT1 2 Ø Motor Ø J5 DRV.Disable♦ DISABLE OUT2 11 SLEEP OUT2 CS♦ IPROPI1 CLK ♦ SCLK IPROPI2 MOSI♦-SDI MISO >-SDO FAULT C30 R20 R21 1.5k 1.5k 23 CPL 47n SRC GND GND GND Sheet: /DRV8873SPWPR_B.DC_Motor_Driver/ File: DRV8873SPWPR_B.DC_Motor_Driver.kicad_sch Title: Size: A4 Date: KiCad E.D.A. 8.0.0~rc3 ld: 5/9



5V Buck voltage regulator U2 AP63205WU L1 4.7u 5V_IND-—D5V_0UT C6 100n C5 + C10 $\begin{array}{c|c} & C9 & C7 & C8 \\ \hline & 100n & 22u & 22u \end{array}$ GND GND GND Sheet: /5V_BUCK_BOOST_CONVERTER/ File: 5V_BUCK_BOOST_CONVERTER.kicad_sch Title: **Rev:** Id: 7/9 Size: A4 Date: KiCad E.D.A. 8.0.0~rc3



12V Buck voltage regulator U4 AP63200WU L2 10u 12V-24V Input —D12V_0UT C13 100n BST FB $\frac{1}{1000} \begin{array}{c|c} C17 & R5 & C14 & C15 & C16 \\ \hline 249k & 1000 & 22u & 22u \end{array}$ C11 C12 FB GND GND 18k GND GND GND

Sheet: /12V_BUCK_CONVERTER/ File: 12V_BUCK_CONVERTER.kicad_sch

Title:

 Size: A4
 Date:
 Rev:

 KiCad E.D.A. 8.0.0~rc3
 Id: 9/9

