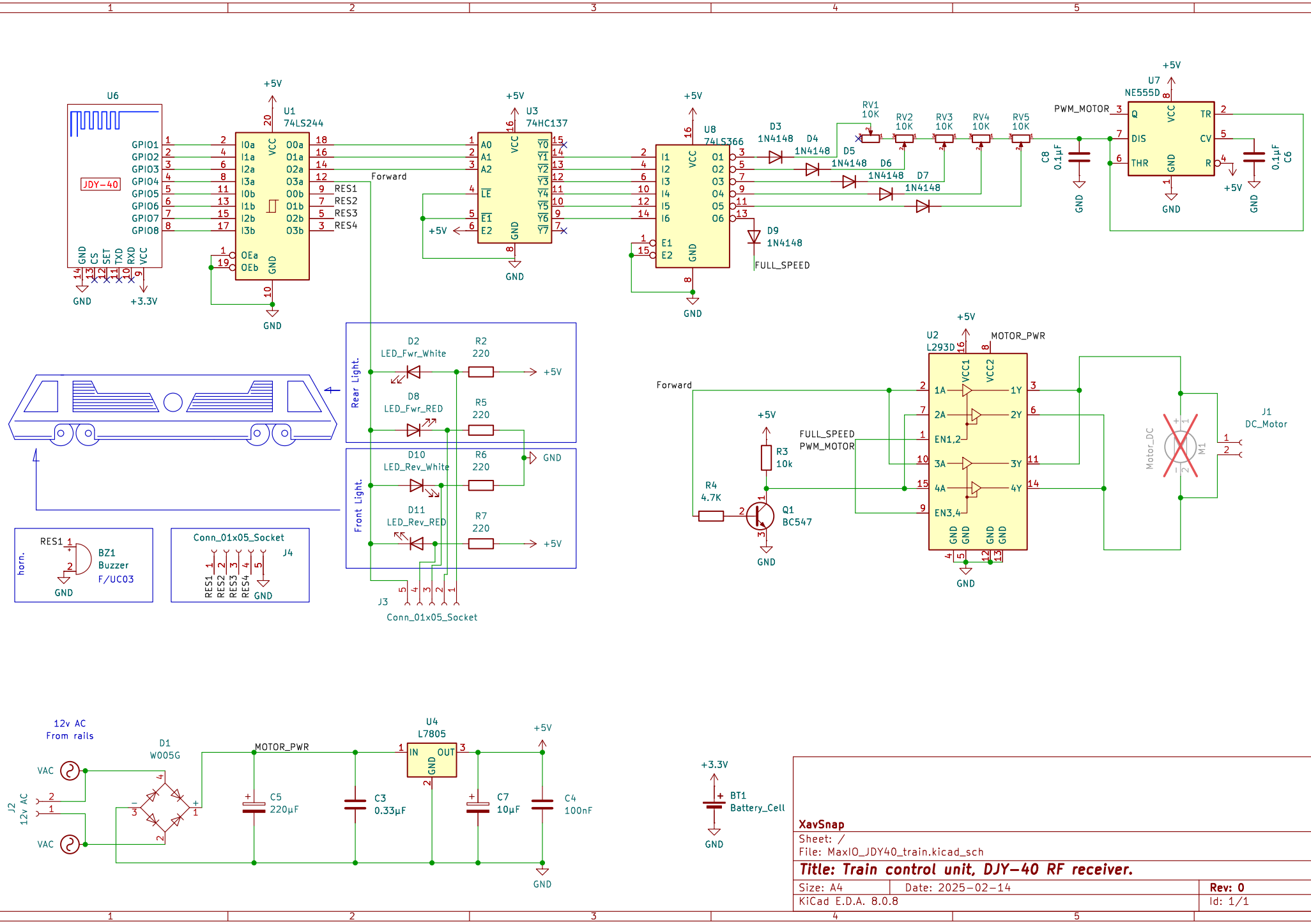
U6
JDY-40
GPIO1
GPIO2
GPIO3
GPIO4
GPIO5
GPIO6
GPIO7
GPIO8
GND
CS
SET
TXD
RXD
VCC
+3.3V
U1
74LS244
+5V
Forward
RES1
RES2
RES3
RES4
U3
74HC137
U8
74LS366
D3
1N4148
D4
1N4148
D5
1N4148
D6
1N4148
D7
1N4148
D9
1N4148
FULL_SPEED
RV1
10K
RV2
10K
RV3
10K
RV4
10K
RV5
10K
U7
NE555D
PWM_MOTOR
C8
0.1µF
C6
0.1µF
Rear Light.
D2
LED_Fwr_White
R2
220
D8
LED_Fwr_RED
R5
220
Front Light.
D10
LED_Rev_White
R6
220
D11
LED_Rev_RED
R7
220
J3
Conn_01x05_Socket
horn.
RES1
BZ1
Buzzer
F/UC03
Conn_01x05_Socket
J4
U2
L293D
MOTOR_PWR
R3
10k
R4
4.7K
Q1
BC547
FULL_SPEED
PWM_MOTOR
Motor_DC
M1
J1
DC_Motor
12v AC
From rails
J2
12v AC
VAC
D1
W005G
C5
220µF
C3
0.33µF
U4
L7805
C7
10µF
C4
100nF
BT1
Battery_Cell
XavSnap
Sheet: /
File: MaxIO_JDY40_train.kicad_sch
Title: Train control unit, DJY-40 RF receiver.
Size: A4
Date: 2025-02-14
Rev: 0
KiCad E.D.A. 8.0.8
Id: 1/1