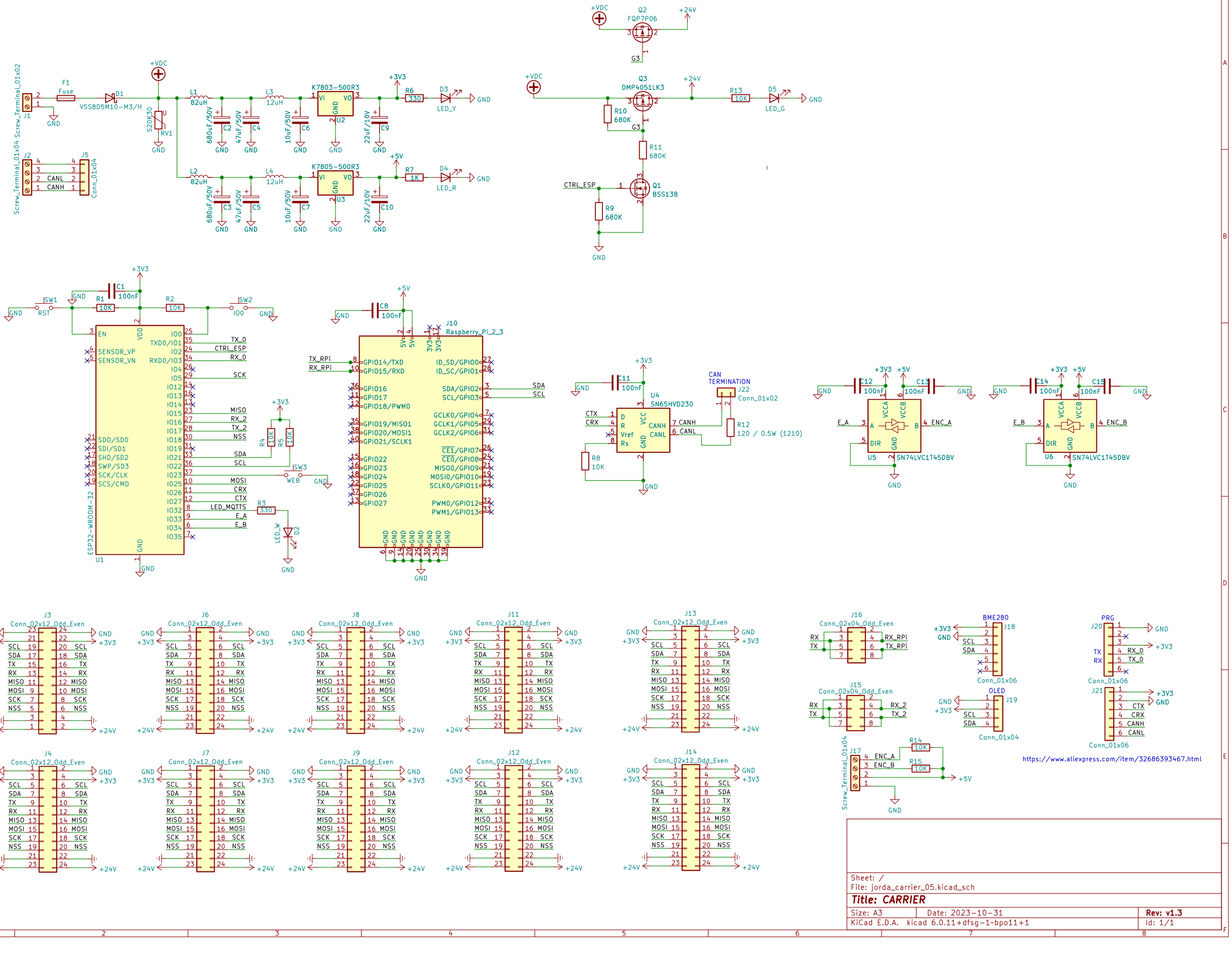

Screw_Terminal_01x04 Screw_Terminal_01x02
J1
J2
J5
Conn_01x04
F1
Fuse
D1
VSS8D5M10-M3/H
S20K30
RV1
+VDC
GND
CANL
CANH
L1
82uH
L2
82uH
L3
12uH
L4
12uH
680uF/50V
47uF/50V
10uF/50V
22uF/10V
C2
C3
C4
C5
C6
C7
C9
C10
K7803-500R3
K7805-500R3
U2
U3
VI
VO
+3V3
+5V
R6
330
R7
1K
D3
D4
LED_Y
LED_R
Q2
FQP7P06
Q3
DMP4051LK3
+24V
R13
10K
D5
LED_G
R10
680K
R11
680K
R9
680K
Q1
BSS138
CTRL_ESP
C1
100nF
R1
10K
R2
10K
SW1
SW2
SW3
RST
IO0
WEB
U1
ESP32-WROOM-32
EN
VDD
SENSOR_VP
SENSOR_VN
IO0
TXD0/IO1
IO2
RXD0/IO3
IO4
IO5
IO12
IO13
IO14
IO15
IO16
IO17
IO18
IO19
IO21
IO22
IO23
IO25
IO26
IO27
IO32
IO33
IO34
IO35
SDO/SD0
SDI/SD1
SHD/SD2
SWP/SD3
SCK/CLK
SCS/CMD
TX_0
CTRL_ESP
RX_0
SCK
MISO
RX_2
TX_2
NSS
SDA
SCL
MOSI
CRX
CTX
LED_MQTTS
E_A
E_B
R3
330
LED_W
D2
R4
10K
R5
10K
C8
100nF
J10
Raspberry_Pi_2_3
TX_RPi
RX_RPi
GPIO14/TXD
GPIO15/RXD
GPIO16
GPIO17
GPIO18/PWM0
GPIO19/MISO1
GPIO20/MOSI1
GPIO21/SCLK1
GPIO22
GPIO23
GPIO24
GPIO25
GPIO26
GPIO27
ID_SD/GPIO0
ID_SC/GPIO1
SDA/GPIO2
SCL/GPIO3
GCLK0/GPIO4
GCLK1/GPIO5
GCLK2/GPIO6
CE1/GPIO7
CE0/GPIO8
MISO0/GPIO9
MOSI0/GPIO10
SCLK0/GPIO11
PWM0/GPIO12
PWM1/GPIO13
C11
100nF
U4
SN65HVD230
CTX
CRX
Vref
Rs
CANH
CANL
7 CANH
6 CANL
R8
10K
CAN
TERMINATION
J22
Conn_01x02
R12
120 / 0.5W (1210)
C12
C13
C14
C15
100nF
VCCA
VCCB
DIR
E_A
E_B
ENC_A
ENC_B
U5
U6
SN74LVC1T45DBV
J3
J4
J6
J7
J8
J9
J11
J12
J13
J14
Conn_02x12_Odd_Even
J16
J15
Conn_02x04_Odd_Even
RX_RPi
TX_RPi
RX_2
TX_2
BME280
J18
Conn_01x06
OLED
J19
Conn_01x04
PRG
J20
J21
RX_0
TX_0
CTX
CRX
CANH
CANL
J17
Screw_Terminal_01x04
ENC_A
ENC_B
R14
10K
R15
10K
+5V
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Title: CARRIER
Size: A3
Date: 2023-10-31
Rev: v1.3
KiCad E.D.A. kicad 6.0.11+dfsg-1~bpo11+1
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