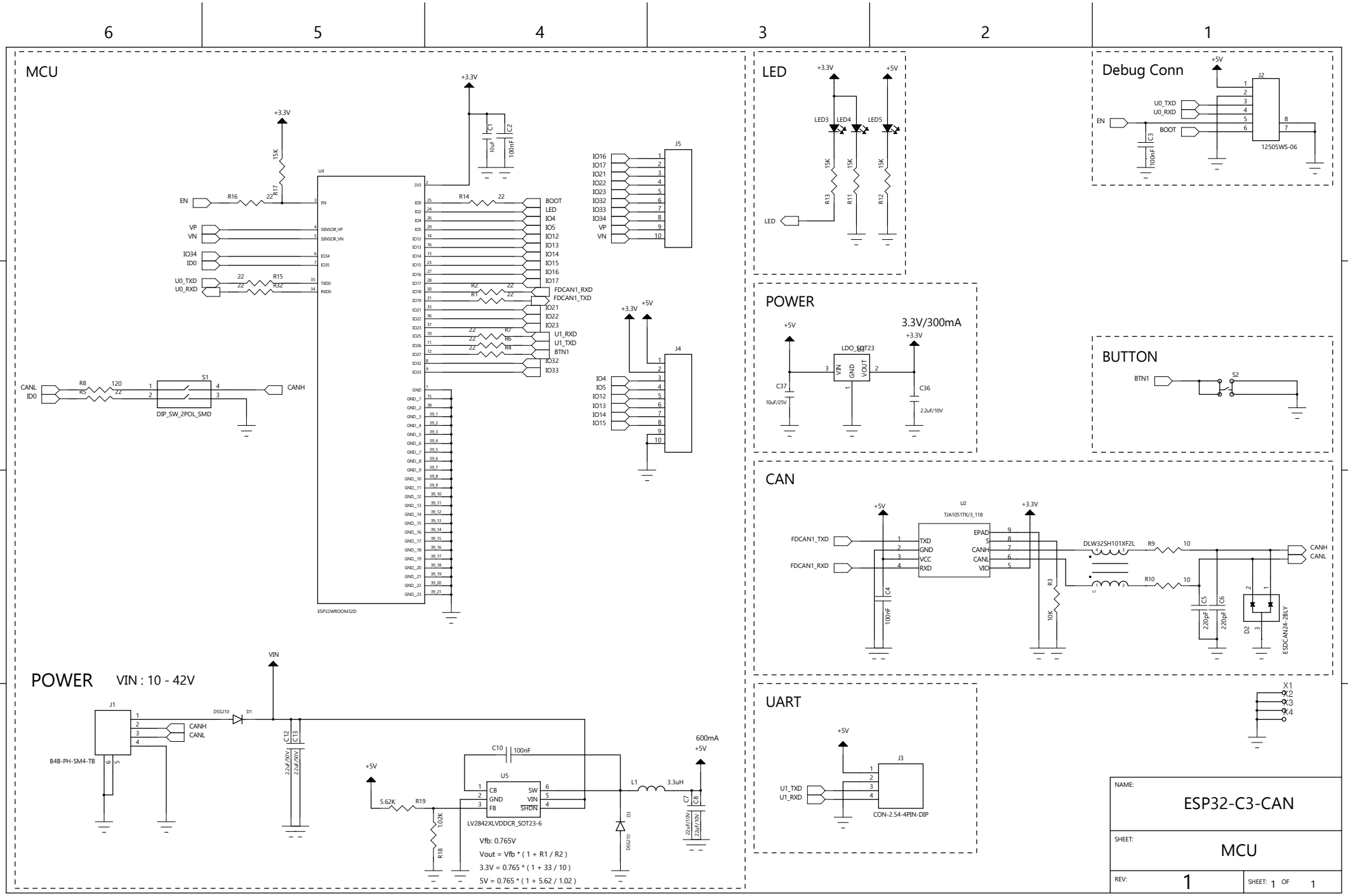
MCU
+3.3V
15K
R17
R16
22
EN
VP
VN
SENSOR_VP
SENSOR_VN
IO34
ID0
IO35
U0_TXD
U0_RXD
R15
R32
TXD0
RXD0
U4
3V3
C1
10uF
C2
100nF
R14
BOOT
LED
IO4
IO5
IO12
IO13
IO14
IO15
IO16
IO17
FDCAN1_RXD
FDCAN1_TXD
IO21
IO22
IO23
U1_RXD
U1_TXD
BTN1
IO32
IO33
R2
R1
R7
R6
R4
GND
ESP32WROOM32D
J5
IO16
IO17
IO21
IO22
IO23
IO32
IO33
IO34
VP
VN
J4
IO4
IO5
IO12
IO13
IO14
IO15
CANL
ID0
R8
120
R5
S1
CANH
DIP_SW_2POL_SMD
LED
+3.3V
+5V
LED3
LED4
LED5
15K
R13
R11
R12
Debug Conn
J2
U0_TXD
U0_RXD
EN
BOOT
C3
100nF
12505WS-06
POWER
3.3V/300mA
LDO_SOT23
VIN
GND
VOUT
C37
10uF/25V
C36
2.2uF/10V
BUTTON
BTN1
S2
CAN
U2
TJA1051TK/3_118
FDCAN1_TXD
FDCAN1_RXD
TXD
GND
VCC
RXD
EPAD
S
CANH
CANL
VIO
C4
100nF
R3
10K
DLW32SH101XF2L
R9
R10
10
C5
C6
220pF
D2
ESDCAN24-2BLY
X1
X2
X3
X4
POWER
VIN : 10 - 42V
J1
B4B-PH-SM4-TB
DSS210
D1
CANH
CANL
C12
C13
2.2uF/50V
C10
100nF
U5
CB
GND
FB
SW
VIN
SHDN
LV2842XLVDDCR_SOT23-6
5.62K
R19
1.02K
R18
L1
3.3uH
600mA
C7
C8
22uF/10V
2.2uF/10V
D3
DSS210
Vfb: 0.765V
Vout = Vfb * (1 + R1 / R2)
3.3V = 0.765 * (1 + 33 / 10)
5V = 0.765 * (1 + 5.62 / 1.02)
UART
J3
U1_TXD
U1_RXD
CON-2.54-4PIN-DIP
NAME:
ESP32-C3-CAN
SHEET:
MCU
REV:
1
SHEET: 1 OF 1