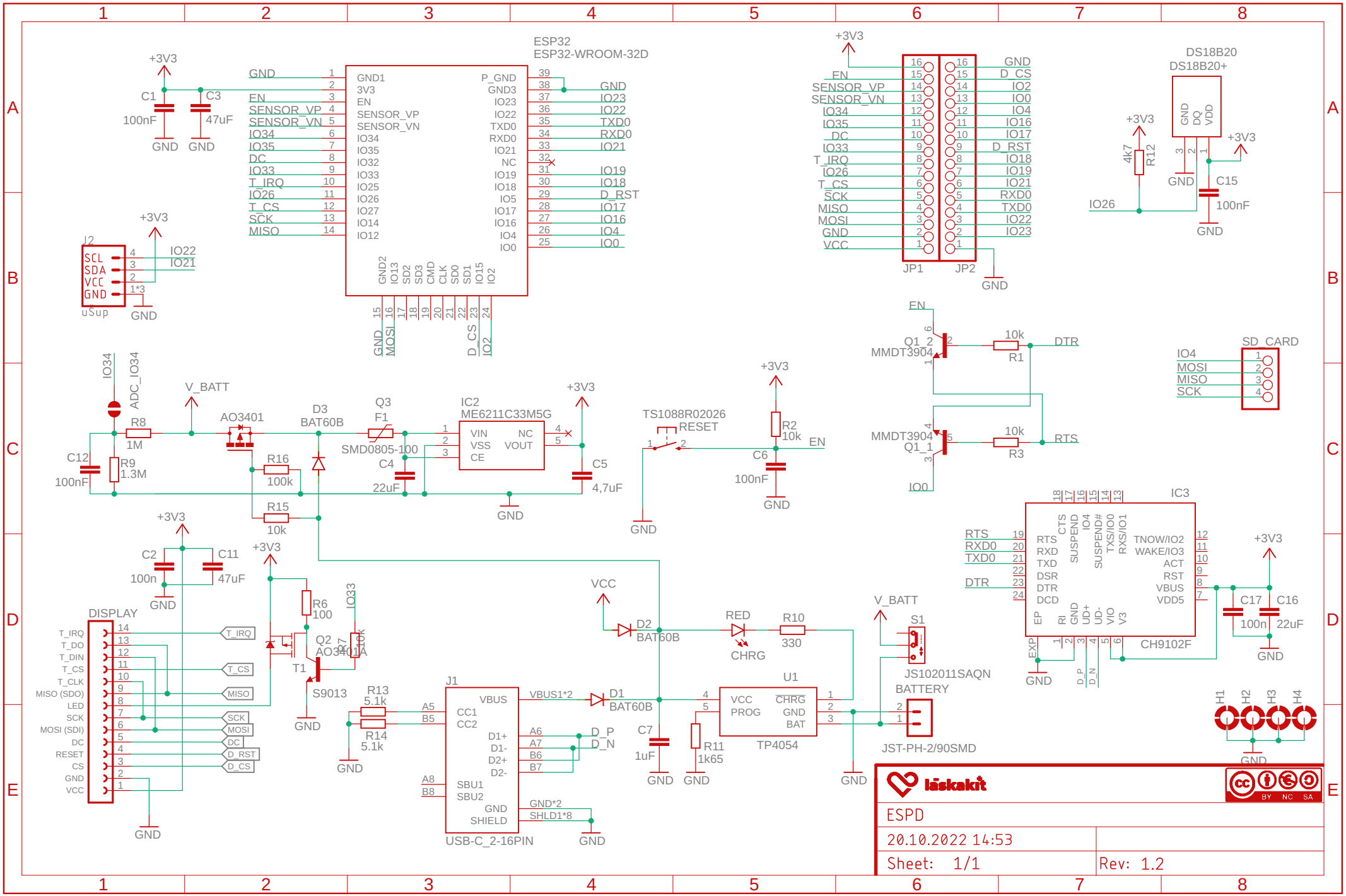
ESP32
ESP32-WROOM-32D
GND1
3V3
EN
SENSOR_VP
SENSOR_VN
IO34
IO35
IO32
IO33
IO25
IO26
IO27
IO14
IO12
P_GND
GND3
IO23
IO22
TXD0
RXD0
IO21
NC
IO19
IO18
IO5
IO17
IO16
IO4
IO0
GND2
IO13
SD2
SD3
CMD
CLK
SD0
SD1
IO15
IO2
JP1
JP2
DS18B20
DS18B20+
GND
DQ
VDD
R12
4k7
C15
100nF
IO26
J2
SCL
SDA
VCC
GND
uSup
IO22
IO21
IO34
ADC_IO34
V_BATT
R8
1M
R9
1.3M
C12
100nF
AO3401
D3
BAT60B
R16
100k
R15
10k
Q3
F1
SMD0805-100
C4
22uF
IC2
ME6211C33M5G
VIN
VSS
CE
NC
VOUT
C5
4,7uF
TS1088R02026
RESET
R2
10k
C6
100nF
EN
Q1_2
MMDT3904
Q1_1
R1
R3
DTR
RTS
IO0
SD_CARD
IO4
MOSI
MISO
SCK
IC3
CH9102F
RTS
RXD0
TXD0
DTR
RXD
TXD
DSR
DCD
CTS
SUSPEND
IO4
SUSPEND#
TXS/IO0
RXS/IO1
TNOW/IO2
WAKE/IO3
ACT
RST
VBUS
VDD5
EP
RI
GND
UD+
UD-
VIO
V3
EXP
D_P
D_N
C17
100n
C16
22uF
C2
100n
C11
47uF
DISPLAY
T_IRQ
T_DO
T_DIN
T_CS
T_CLK
MISO (SDO)
LED
SCK
MOSI (SDI)
DC
RESET
CS
GND
VCC
MISO
MOSI
D_RST
D_CS
R6
100
Q2
AO3401A
R7
10k
T1
S9013
R13
5.1k
R14
5.1k
J1
USB-C_2-16PIN
VBUS
CC1
CC2
D1+
D1-
D2+
D2-
SBU1
SBU2
SHIELD
VBUS1*2
A5
B5
A6
A7
B6
B7
A8
B8
GND*2
SHLD1*8
D1
BAT60B
D2
BAT60B
VCC
RED
CHRG
R10
330
U1
TP4054
PROG
C7
1uF
R11
1k65
S1
JS102011SAQN
BATTERY
JST-PH-2/90SMD
H1
H2
H3
H4
läskakit
ESPD
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Rev: 1.2