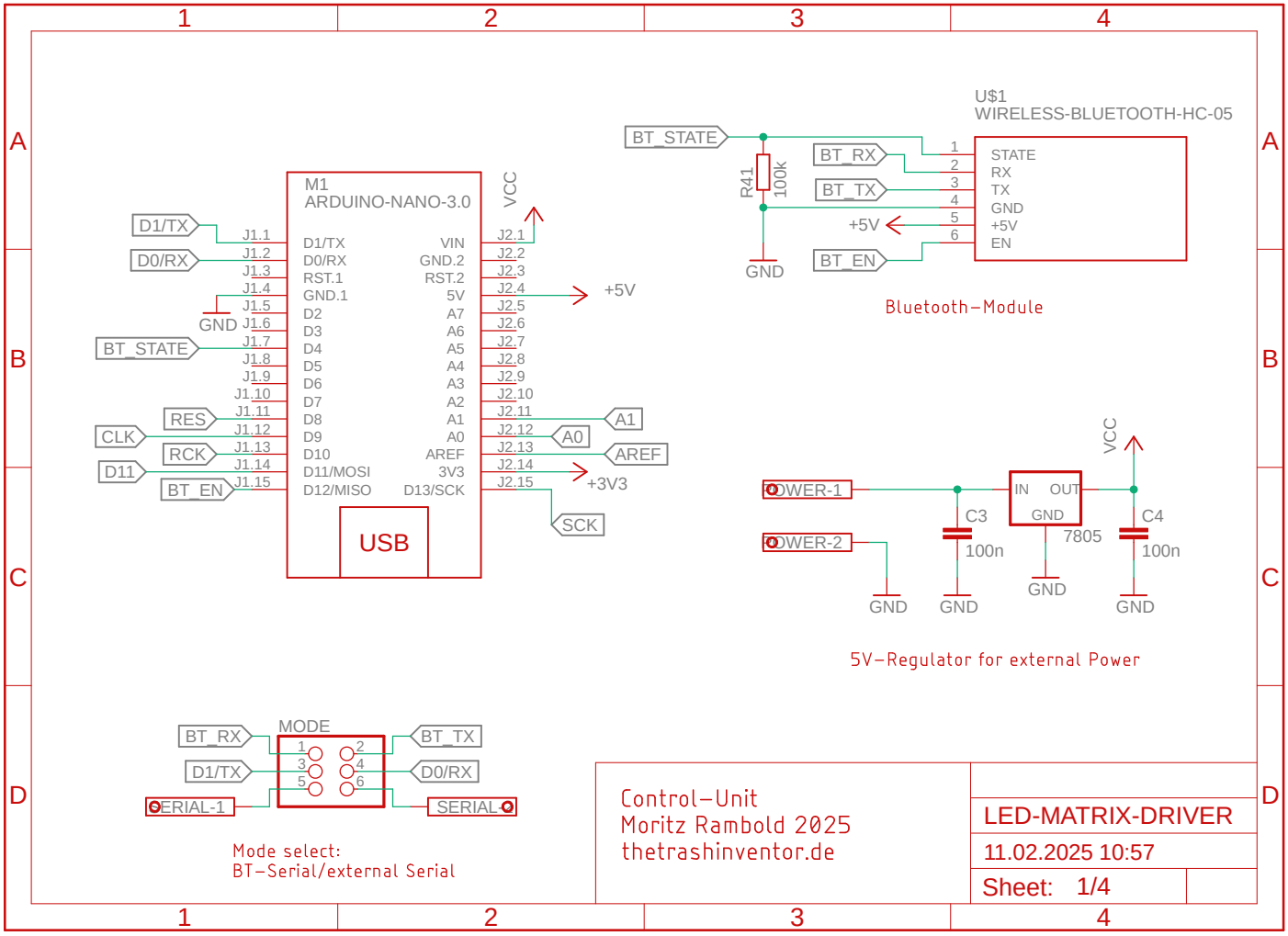
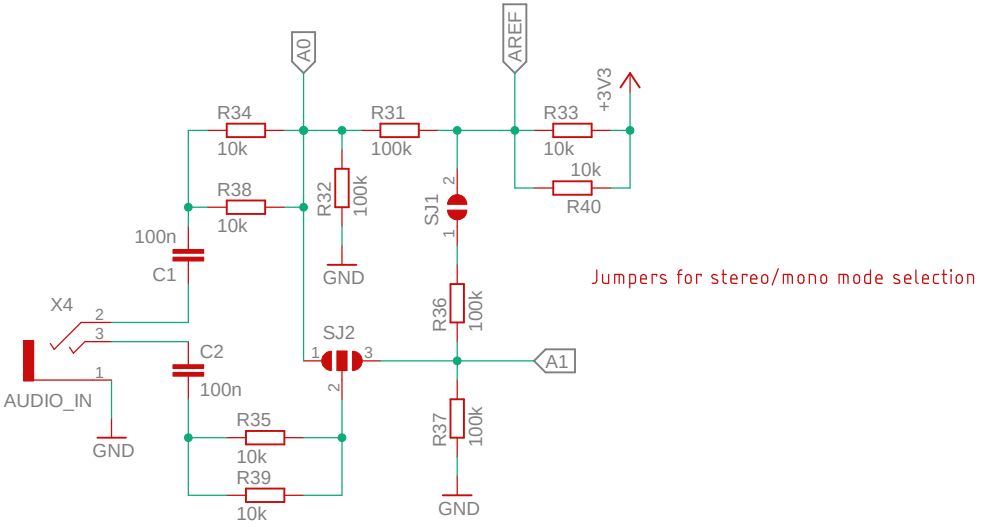
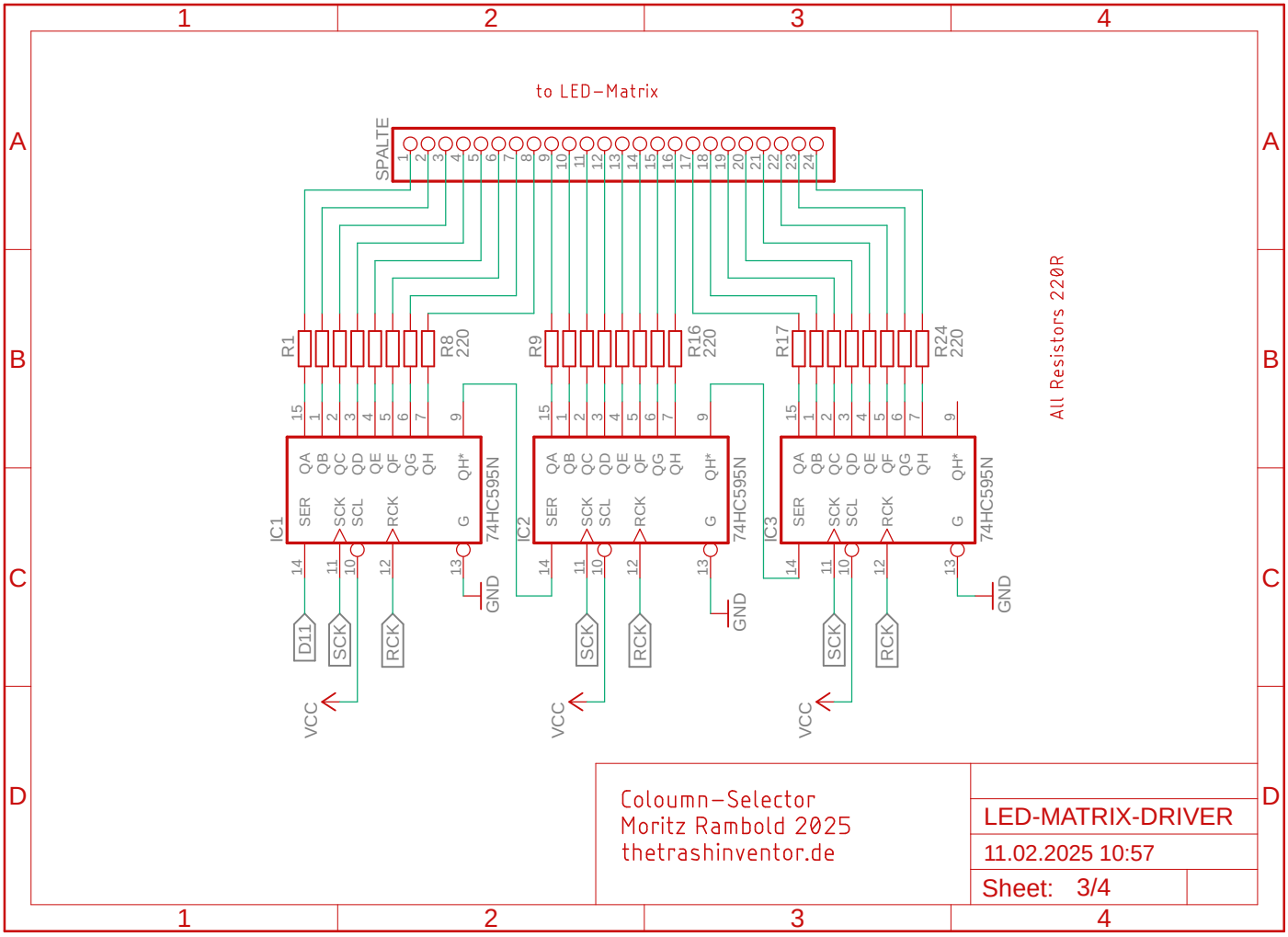
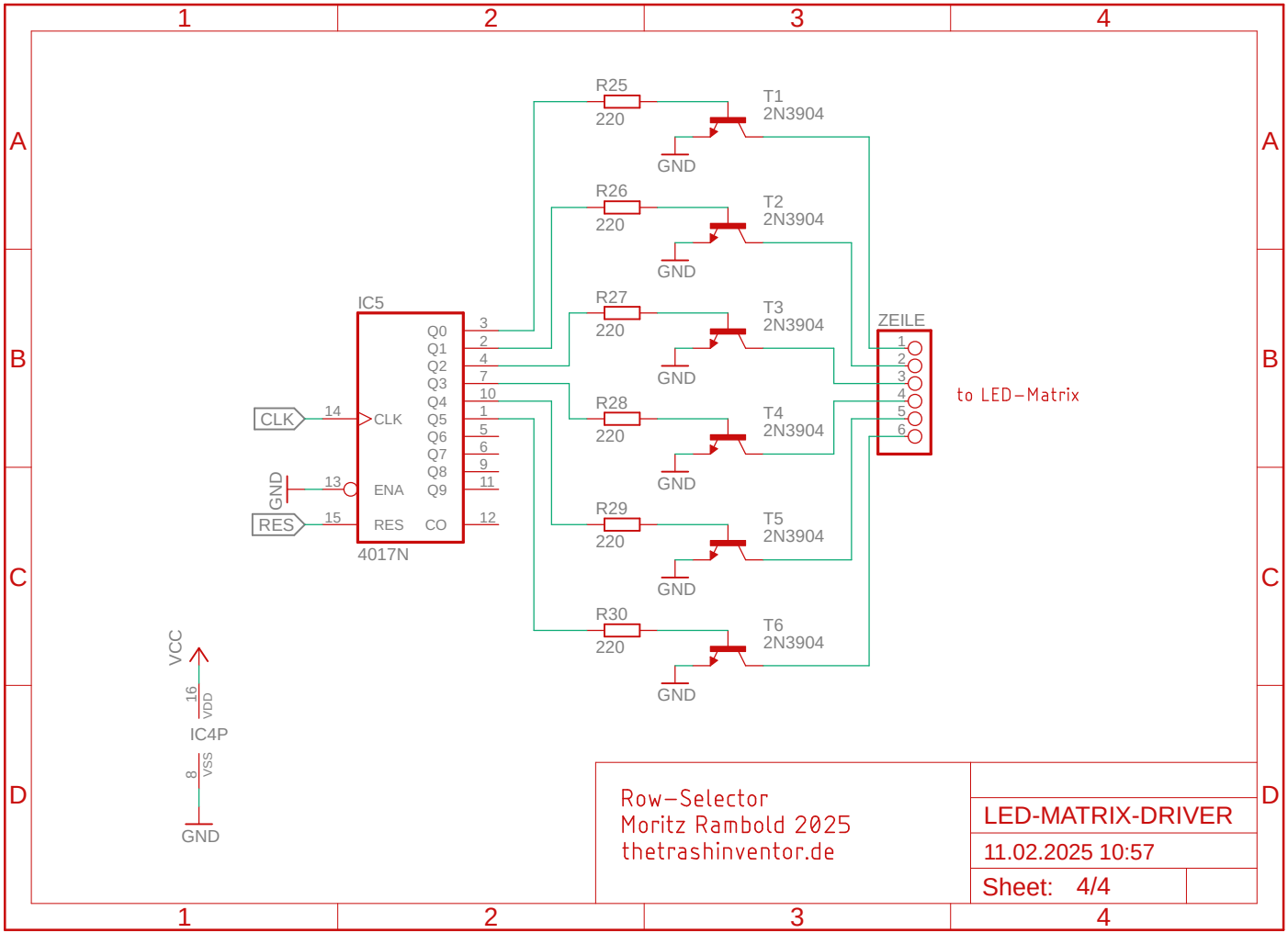

M1
ARDUINO-NANO-3.0
D1/TX
D0/RX
RST.1
GND.1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11/MOSI
D12/MISO
VIN
GND.2
RST.2
5V
A7
A6
A5
A4
A3
A2
A1
A0
AREF
3V3
D13/SCK
USB
VCC
+5V
+3V3
GND
A1
A0
AREF
SCK
BT_STATE
BT_RX
BT_TX
BT_EN
RES
CLK
RCK
D11
U$1
WIRELESS-BLUETOOTH-HC-05
STATE
RX
TX
GND
+5V
EN
R41
100k
Bluetooth-Module
POWER-1
POWER-2
IN
OUT
GND
7805
C3
100n
C4
100n
5V-Regulator for external Power
MODE
SERIAL-1
SERIAL
Mode select:
BT-Serial/external Serial
Control-Unit
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LED-MATRIX-DRIVER
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Audio-Input
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to LED-Matrix
SPALTE
R1
R8
220
R9
R16
220
R17
R24
220
All Resistors 220R
IC1
IC2
IC3
74HC595N
SER
SCK
SCL
RCK
G
QA
QB
QC
QD
QE
QF
QG
QH
QH*
GND
VCC
D11
SCK
RCK
Coloumn-Selector
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Sheet: 3/4


1
2
3
4
A
B
C
D
R25
220
T1
2N3904
GND
R26
220
T2
2N3904
GND
R27
220
T3
2N3904
GND
R28
220
T4
2N3904
GND
R29
220
T5
2N3904
GND
R30
220
T6
2N3904
GND
IC5
Q0
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q9
CO
CLK
ENA
RES
4017N
CLK
GND
RES
ZEILE
to LED-Matrix
VCC
VDD
IC4P
VSS
GND
Row-Selector
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LED-MATRIX-DRIVER
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