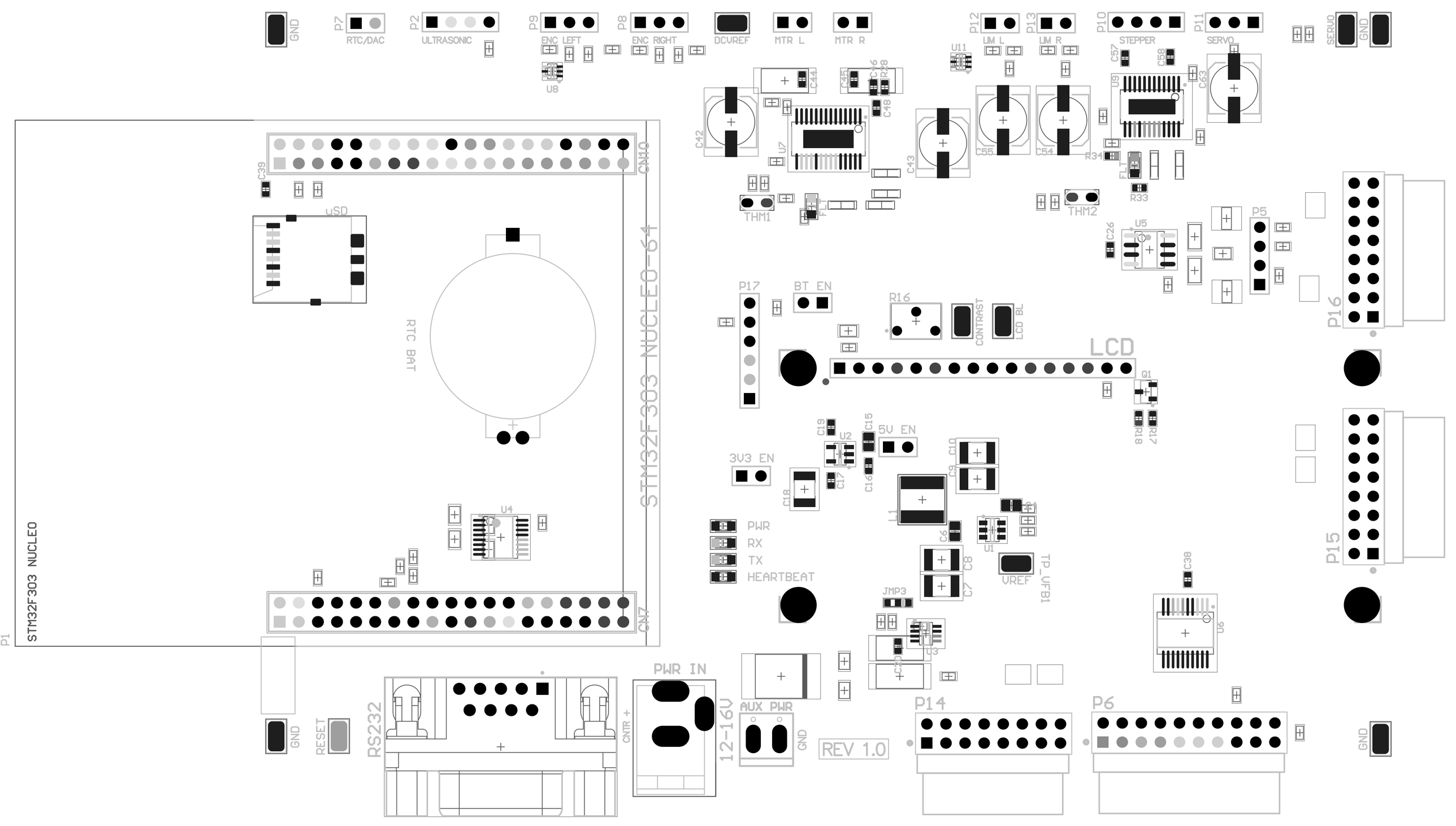
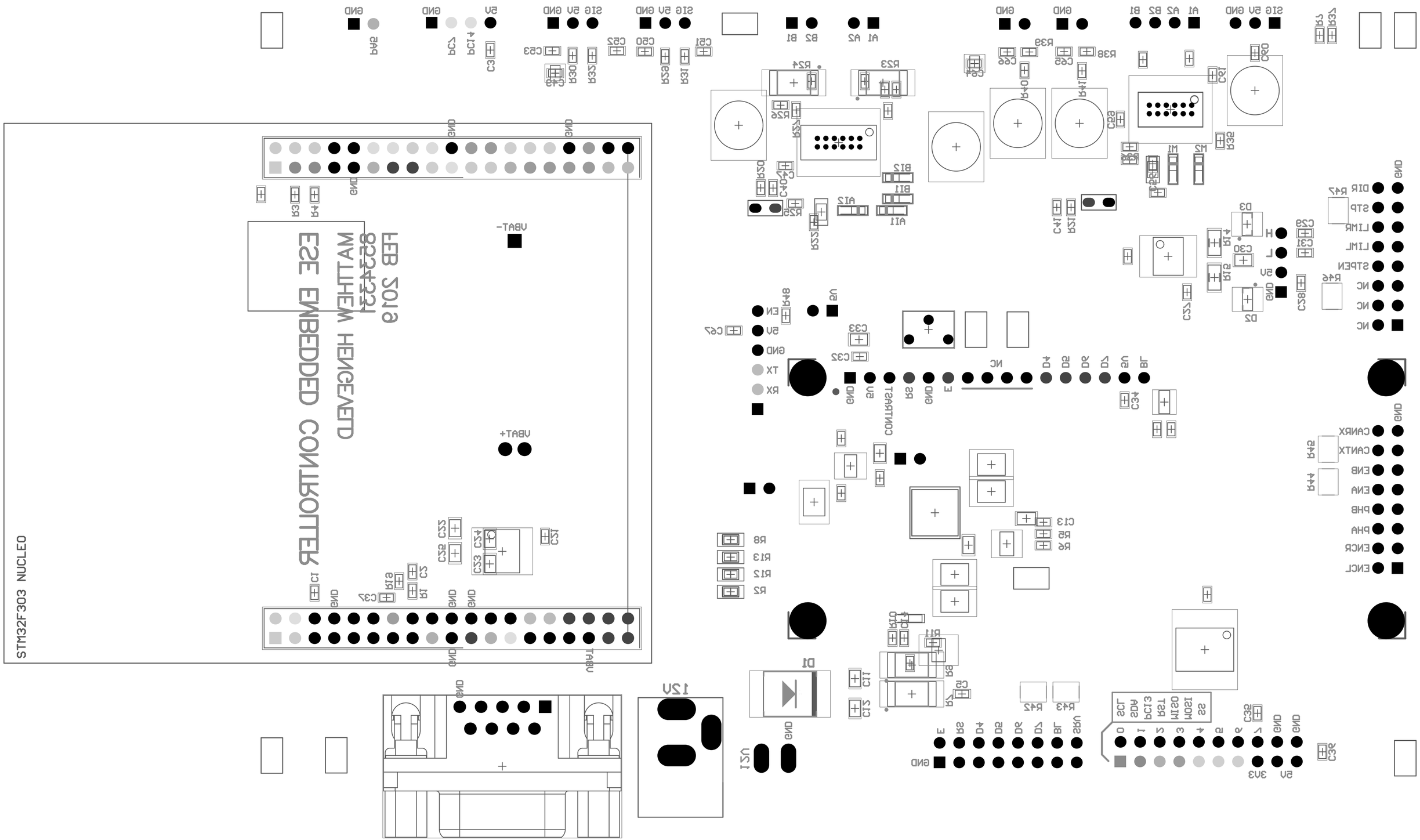
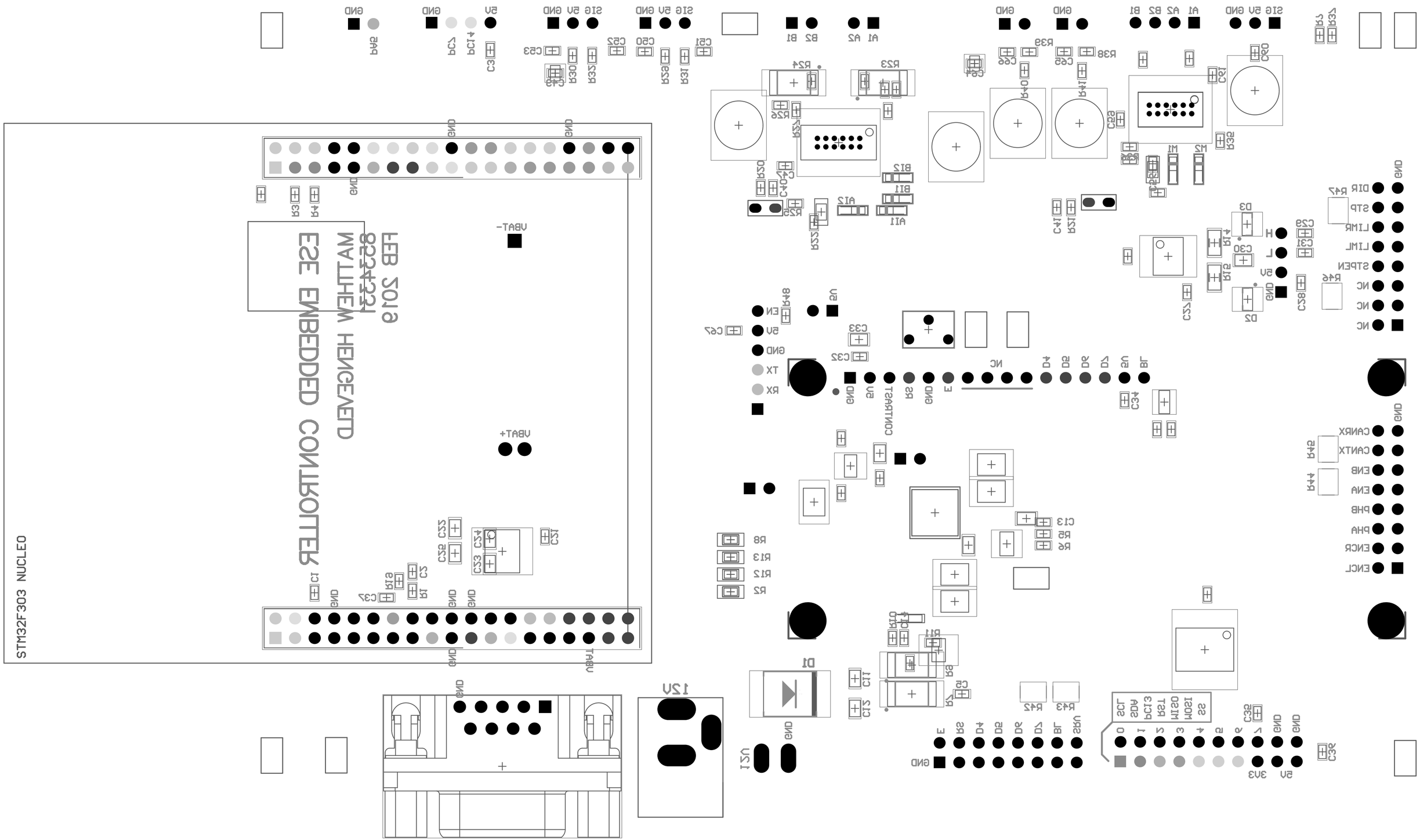
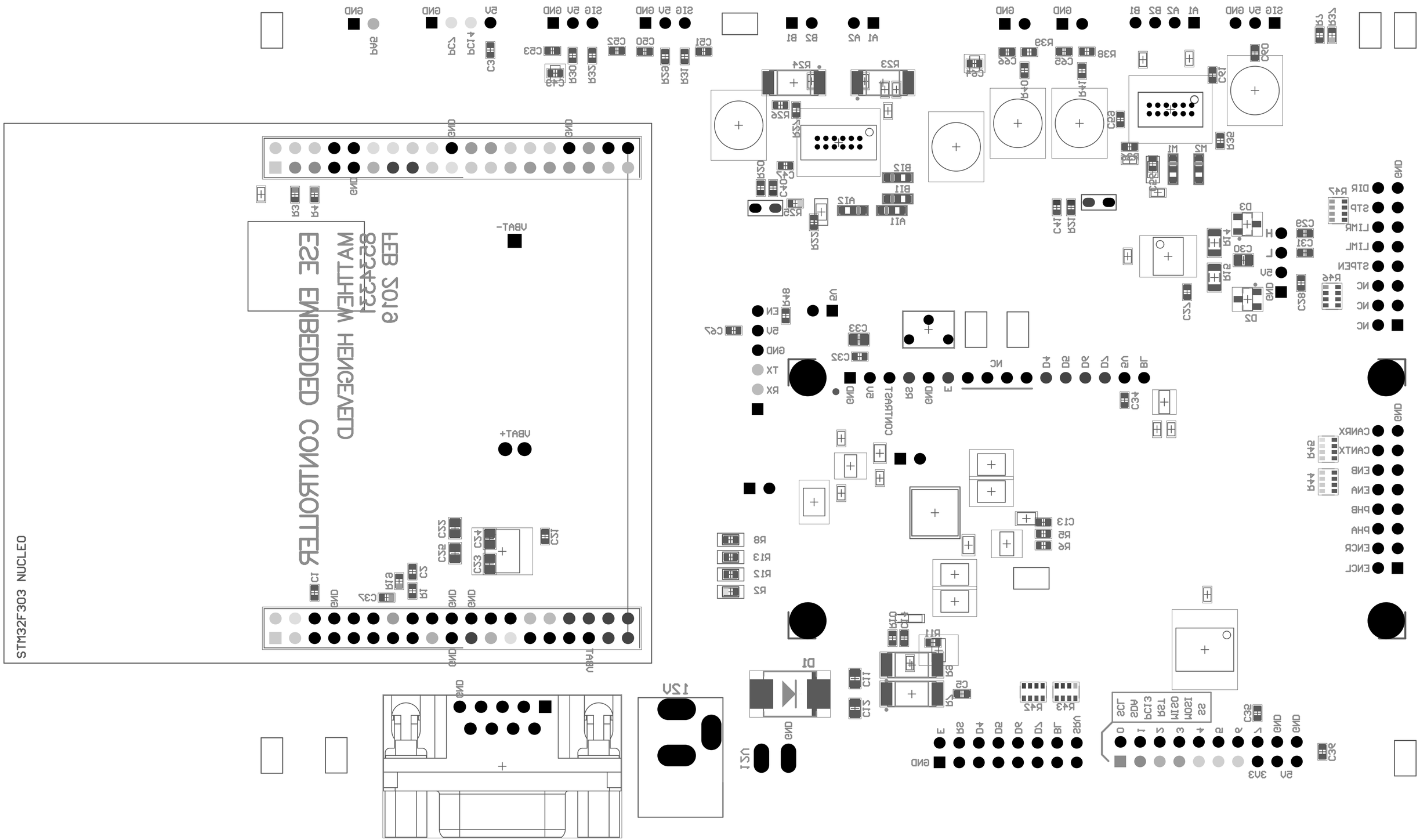
STM32F303 NUCLEO
P1
GND
P7
RTC/DAC
P2
ULTRASONIC
P9
ENC LEFT
P8
ENC RIGHT
DCVREF
MTR L
MTR R
P12
LM L
P13
LM R
P10
STEPPER
P11
SERVO
SERVO
GND
U8
U12
C44
C45
C46
R28
C48
C42
U7
C43
C55
C54
R34
FLT
R33
U9
C57
C58
C63
THM1
THM2
C26
U5
P5
CN10
C39
USB
RTC BAT
STM32F303 NUCLEO-64
P17
BT EN
R16
CONTRAST
LCD BL
LCD
Q1
R18
R17
P16
C19
U2
C15
5V EN
3V3 EN
C18
C17
C16
C10
C9
L1
C4
U1
C6
C8
C7
VREF
TP_VFB1
PWR
RX
TX
HEARTBEAT
JMP3
U3
C20
C38
U6
P15
U4
CN7
1234
RS232
GND
RESET
PWR IN
CNTR +
12-16V
AUX PWR
GND
REV 1.0
P14
P6
GND


GND
P7
RTC/DAC
P2
ULTRASONIC
P9
ENC LEFT
P8
ENC RIGHT
DCVREF
MTR L
MTR R
P12
LIM L
P13
LIM R
P10
STEPPER
P11
SERVO
SERVO
GND
U8
U11
C44
C45
C46
R28
C48
C42
U7
C43
C55
C54
U9
C57
C58
C63
R34
FL1
R33
THM1
THM2
U5
C26
P5
P16
CN10
C39
uSD
RTC BAT
STM32F303 NUCLEO-64
P17
BT EN
R16
CONTRAST
LCD BL
LCD
Q1
R18
R17
C19
U2
C15
5V EN
3V3 EN
C18
C17
C16
C10
C9
L1
C6
U1
PWR
RX
TX
HEARTBEAT
C8
C7
VREF
TP_VFB1
JMP3
C38
U6
P15
U4
C3
STM32F303 NUCLEO
P1
CN7
GND
RESET
RS232
CNTR +
PWR IN
12-16V
AUX PWR
GND
REV 1.0
P14
P6
GND


STM32F303 NUCLEO
ESE EMBEDDED CONTROLLER
MATTHEW HENGELMANN
1234567
6102 GEF
VBAT+
VBAT-
12V
CONTRACT
GND
5V
3V3
CANRX
CANTX
ENB
ENA
PHB
PHA
ENCR
ENCL
DIR
STP
LIMR
LIML
STPEN
NC
SIG
A1
A2
B1
B2
TX
RX
EN


STM32F303 NUCLEO
ESE EMBEDDED CONTROLLER
MATTHEW HENGELMANN
1234567
6102 GEF
VBAT+
VBAT-
12V
CONTRACT
GND
5V
3V3
CANRX
CANTX
ENB
ENA
PHB
PHA
ENCR
ENCL
DIR
STP
LIMR
LIML
STPEN
NC
SIG
A1
A2
B1
B2
TX
RX
EN


STM32F303 NUCLEO
ESE EMBEDDED CONTROLLER
MATTHEW HENGELMANN
852431
6102 LEF
VBAT+
VBAT-
12V
GND
3V3
5V
TX
RX
EN
CONTRASTI
CANRX
CANTX
ENCL
ENCR
PHA
PHB
ENA
ENB
STP
DIR
LIMR
LIML
STPEN
NC
SIG
A1
A2
B1
B2
SCL
SDA
PCI3
RST
MISO
MOSI
SS