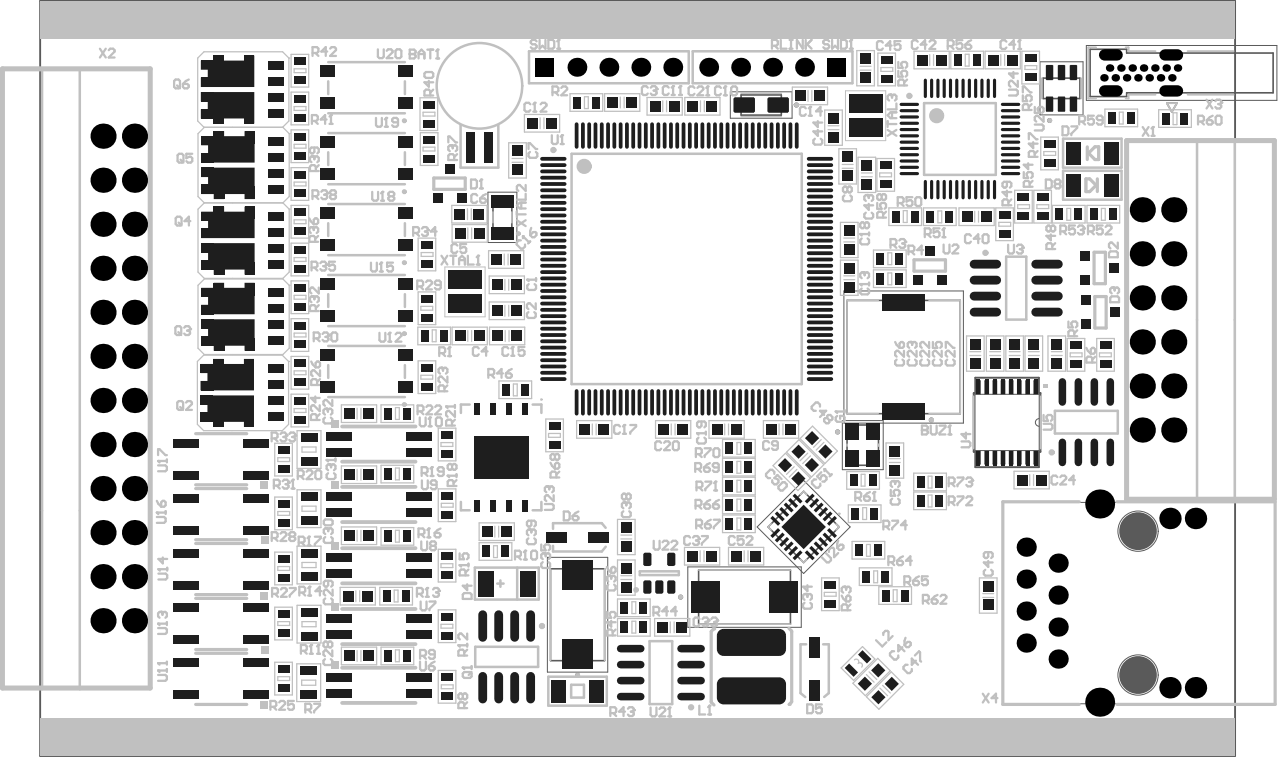
X2
Q6
Q5
Q4
Q3
Q2
U17
U16
U14
U13
U11
R42
U20
BAT1
R40
R41
U19
R37
R38
U18
R34
R35
U15
R29
R30
U12
R23
R22
U10
R21
R33
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U9
R28
R16
R17
U8
R15
R27
R14
R13
U7
R12
R11
R9
U6
R25
R7
R8
Q1
R10
D4
D6
U29
R68
R46
R1
C4
C15
C5
XTAL1
D1
C6
XTAL2
C7
C1
C12
R2
SWDI
RLINK
SWDI
C3
C11
C2
C18
C14
C44
C8
C16
C13
C17
C20
C19
R70
R69
R71
R66
R67
C9
C7
C10
C31
C30
C38
C39
U22
C37
C52
U26
R44
R43
U21
L1
D5
C34
R22
R63
R64
R65
R62
R74
R61
C53
R73
R72
C24
C49
L2
C46
C47
X4
C45
C42
R56
C41
R55
C3
XTAL3
U24
R67
U2
R59
X3
R60
X1
D7
D8
R54
R47
R49
R50
R51
C40
R48
R53
R52
R3
R4
U2
U3
U13
C43
C38
C26
C23
C22
C25
C27
BUZ1
U4
U5
R5
R6
D2
D3

USB-C
Ethernet
CH CH
CL CL
RB RB
RA RA
TX RX
GND GND
dnp
sus
sdo
sdi
sck
3.3V
3.3V
sck
sdi
sdo
sus
dnp
robocontroller
HW 2.0.0 eth
40 41
30 31
20 21
10 11
00 01
0C 1C
04 14
03 13
02 12
01 11
00 10
GND VCC
12-24V