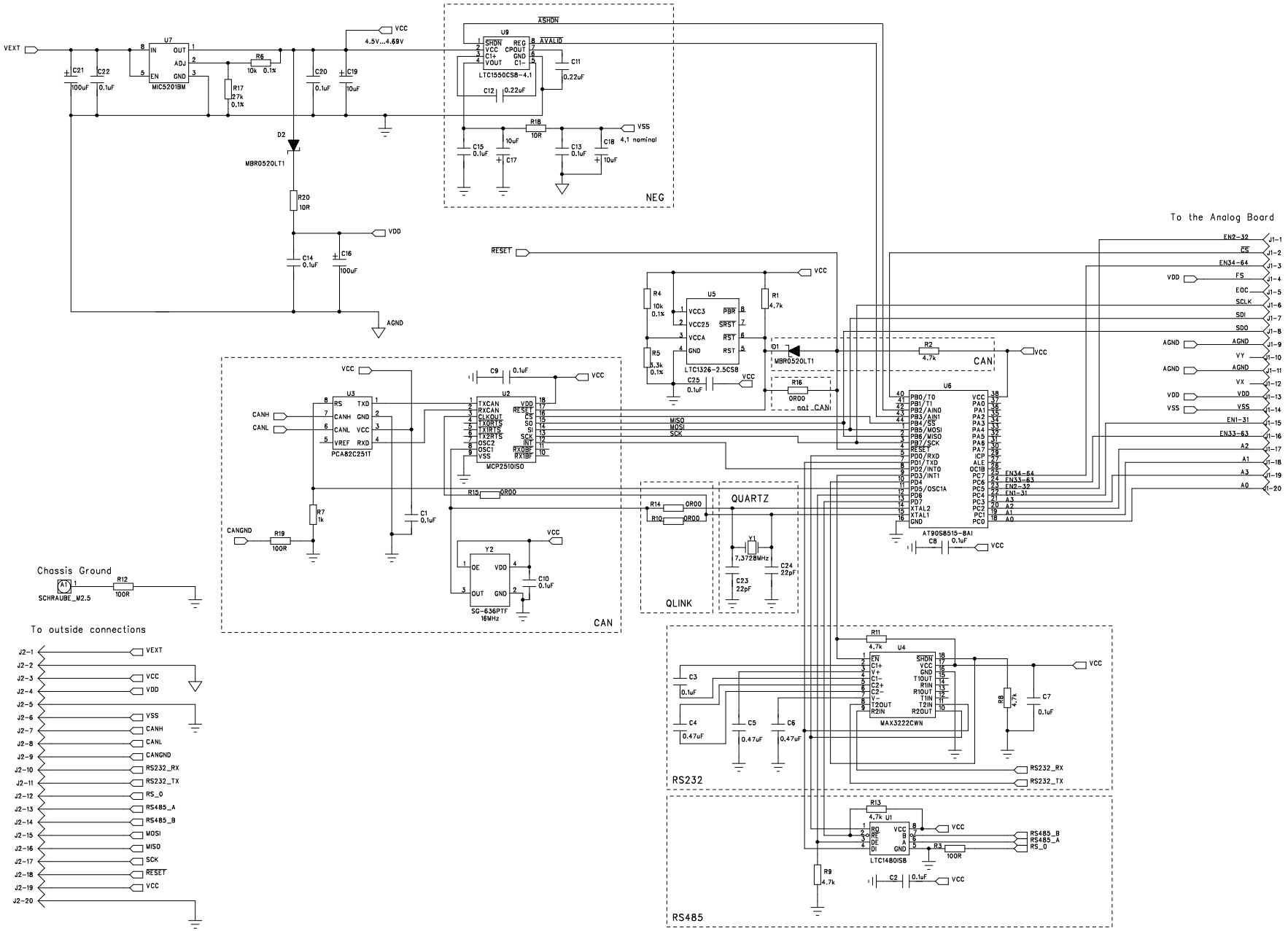
VEXT
VCC
4.5V...4.69V
U7
MIC5201BM
C21
100uF
C22
0.1uF
R6
10k 0.1%
R17
27k
0.1%
C20
0.1uF
C19
10uF
D2
MBR0520LT1
R20
10R
VDD
C14
0.1uF
C16
100uF
AGND
ASHDN
U9
LTC1550CS8-4.1
AVALID
C11
0.22uF
C12
0.22uF
R18
10R
VSS
4.1 nominal
C15
0.1uF
C17
10uF
C13
0.1uF
C18
10uF
NEG
RESET
U5
LTC1326-2.5CS8
R4
10k
0.1%
R1
4.7k
R5
5.3k
0.1%
C25
0.1uF
ID1
MBR0520LT1
R2
4.7k
CAN
R16
0R00
not_CAN
U6
AT90S8515-8AI
C8
0.1uF
To the Analog Board
EN2-32
CS
EN34-64
FS
EOC
SCLK
SDI
SDO
AGND
VY
VX
VDD
VSS
EN1-31
EN33-63
A2
A1
A3
A0
U3
PCA82C251T
CANH
CANL
U2
MCP2510ISO
C9
0.1uF
C1
0.1uF
R7
1k
CANGND
R19
100R
MISO
MOSI
SCK
R15
0R00
R14
0R00
R10
0R00
QUARTZ
Y1
7.3728MHz
C23
22pF
C24
22pF
QLINK
Y2
SG-636PTF
16MHz
C10
0.1uF
CAN
Chassis Ground
A1
SCHRAUBE_M2.5
R12
100R
To outside connections
J2-1
J2-2
J2-3
J2-4
J2-5
J2-6
J2-7
J2-8
J2-9
J2-10
J2-11
J2-12
J2-13
J2-14
J2-15
J2-16
J2-17
J2-18
J2-19
J2-20
VEXT
VCC
VDD
VSS
CANH
CANL
CANGND
RS232_RX
RS232_TX
RS_0
RS485_A
RS485_B
MOSI
MISO
SCK
RESET
VCC
R11
4.7k
U4
MAX3222CWN
C3
0.1uF
C4
0.47uF
C5
0.47uF
C6
0.47uF
R8
4.7k
C7
0.1uF
RS232
R13
4.7k
U1
LTC1480ISB
R3
100R
R9
4.7k
C2
0.1uF
RS485