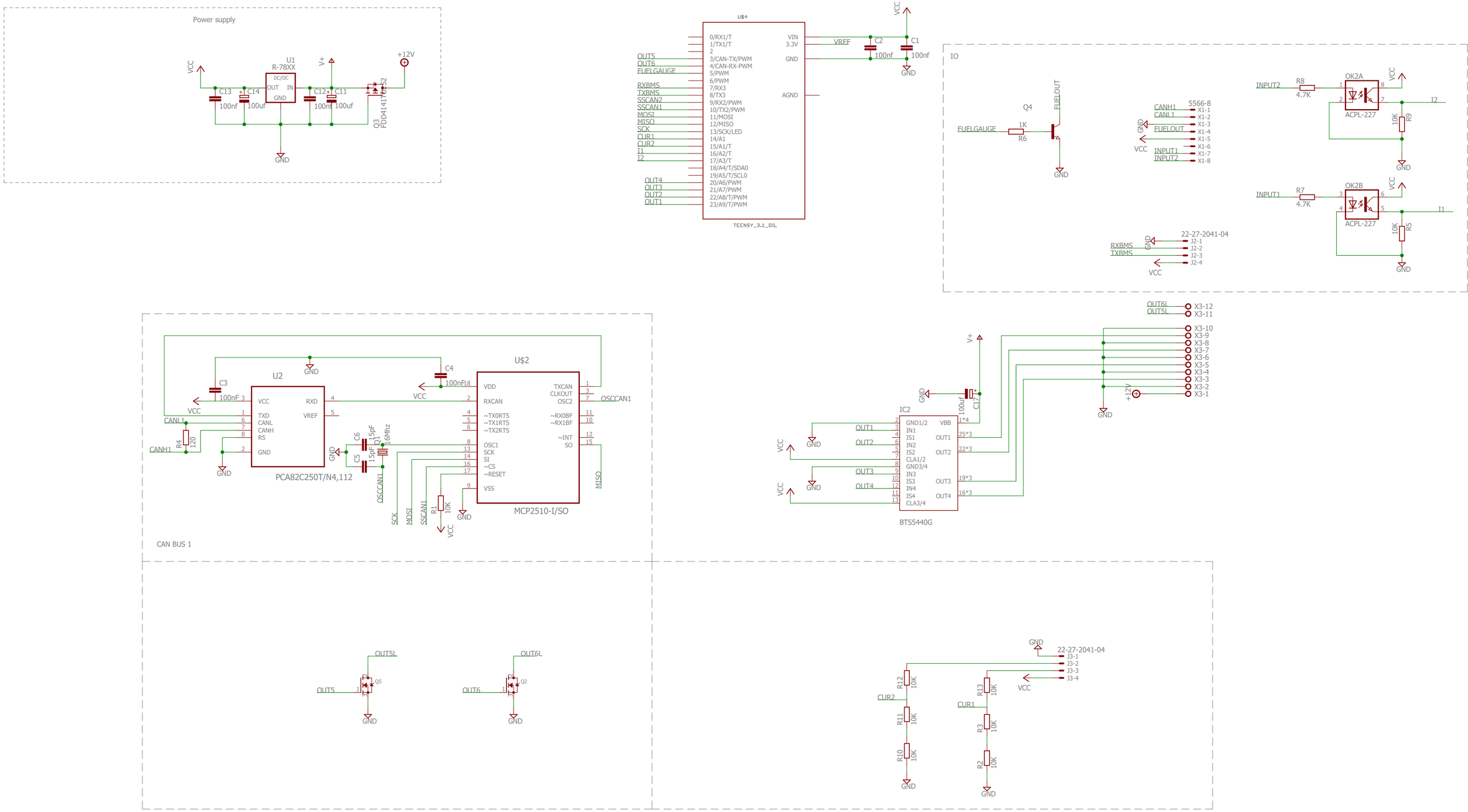
Power supply
U1
R-78XX
DC/DC
OUT
IN
GND
VCC
V+
+12V
C13
100nf
C14
100uf
C12
100nf
C11
100uf
Q3
FDD4141TC252
U$4
TEENSY_3.1_DIL
0/RX1/T
1/TX1/T
2
3/CAN-TX/PWM
4/CAN-RX-PWM
5/PWM
6/PWM
7/RX3
8/TX3
9/RX2/PWM
10/TX2/PWM
11/MOSI
12/MISO
13/SCK/LED
14/A1
15/A1/T
16/A2/T
17/A3/T
18/A4/T/SDA0
19/A5/T/SCL0
20/A6/PWM
21/A7/PWM
22/A8/T/PWM
23/A9/T/PWM
VIN
3.3V
GND
AGND
OUT5
OUT6
FUELGAUGE
RXBMS
TXBMS
SSCAN2
SSCAN1
MOSI
MISO
SCK
CUR1
CUR2
I1
I2
OUT4
OUT3
OUT2
OUT1
VREF
C2
100nf
C1
100nf
IO
Q4
FUELOUT
FUELGAUGE
1K
R6
CANH1
CANL1
5566-8
X1-1
X1-2
X1-3
X1-4
X1-5
X1-6
X1-7
X1-8
INPUT1
INPUT2
INPUT2
R8
4.7K
OK2A
ACPL-227
10K
R9
INPUT1
R7
4.7K
OK2B
ACPL-227
10K
R5
22-27-2041-04
J2-1
J2-2
J2-3
J2-4
RXBMS
TXBMS
U2
PCA82C250T/N4,112
VCC
TXD
CANL
CANH
RS
GND
RXD
VREF
C3
100nF
CANL1
CANH1
R4
120
C6
15pF
C5
15pF
Q1
16Mhz
OSCCAN1
C4
100nF
U$2
MCP2510-I/SO
VDD
RXCAN
~TX0RTS
~TX1RTS
~TX2RTS
OSC1
SCK
SI
~CS
~RESET
VSS
TXCAN
CLKOUT
OSC2
~RX0BF
~RX1BF
~INT
SO
OSCCAN1
MISO
SCK
MOSI
SSCAN1
R1
10K
CAN BUS 1
OUT6L
OUT5L
X3-12
X3-11
X3-10
X3-9
X3-8
X3-7
X3-6
X3-5
X3-4
X3-3
X3-2
X3-1
IC2
BTS5440G
GND1/2
IN1
IS1
IN2
IS2
CLA1/2
GND3/4
IN3
IS3
IN4
IS4
CLA3/4
VBB
OUT1
OUT2
OUT3
OUT4
C17
100uf
OUT5
OUT6
Q5
Q2
22-27-2041-04
J3-1
J3-2
J3-3
J3-4
CUR2
CUR1
R12
10K
R11
10K
R10
10K
R13
10K
R3
10K
R2
10K