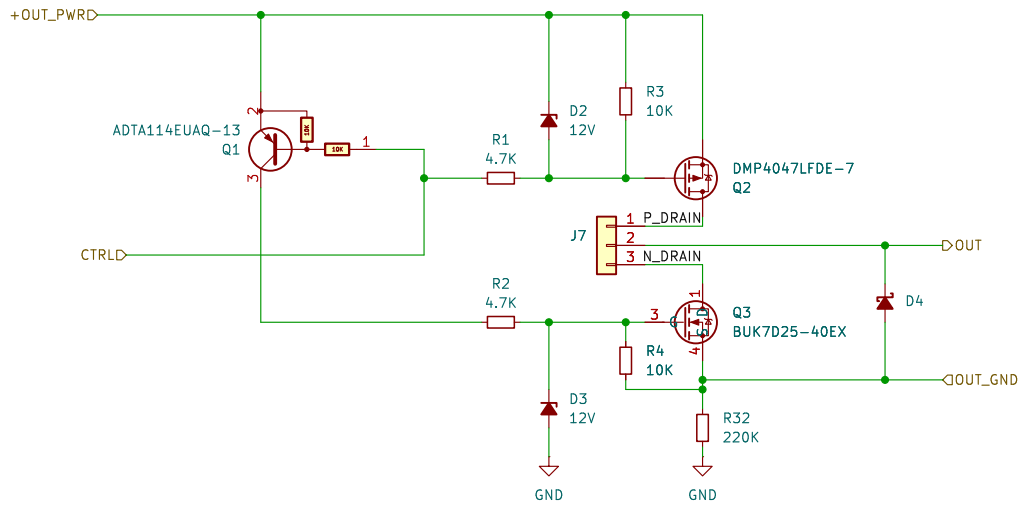
Control Unit 2

+3V3
C1
0.1uF
GND
U1
PCA9535HF,118
INT
SCL
SDA
A0
A1
A2
VDD
VSS
IO0_0
IO0_1
IO0_2
IO0_3
IO0_4
IO0_5
IO0_6
IO0_7
IO1_0
IO1_1
IO1_2
IO1_3
IO1_4
IO1_5
IO1_6
IO1_7
CTRL3
CTRL4
CTRL1
CTRL2
CTRL15
CTRL16
CTRL13
CTRL14
CTRL11
CTRL12
CTRL9
CTRL10
CTRL7
CTRL8
CTRL5
CTRL6
leds
CTRL[1..16]
File: leds.kicad_sch
+VIN
out1
out2
out3
out4
out5
out6
out7
out8
out9
out10
out11
out12
out13
out14
out15
out16
+OUT_PWR
CTRL
OUT
OUT_GND
File: output.kicad_sch
OUT1
OUT2
OUT3
OUT4
OUT5
OUT6
OUT7
OUT8
OUT9
OUT10
OUT11
OUT12
OUT13
OUT14
OUT15
OUT16
U2A
U2B
U3A
U3B
U4A
U4B
U5A
U5B
U6A
U6B
U7A
U7B
U8A
U8B
U9A
U9B
PUMH10,115
10K
J1
DEBUG_TX
DEBUG_RX
SCL
SDA
Board connector
C2
10uF
J3
J4
J5
J6
TBL007A-500-04GY
D1
VIN_UNPROTECTED
J2
C3
220uF
R65
5.6K
D66
Power Indicator
FID1
Fiducial
FID2
Fiducial
FID3
Fiducial
H3
MountingHole
H4
MountingHole
H2
MountingHole
H1
MountingHole
PWR_FLAG

Title: Control Unit 2

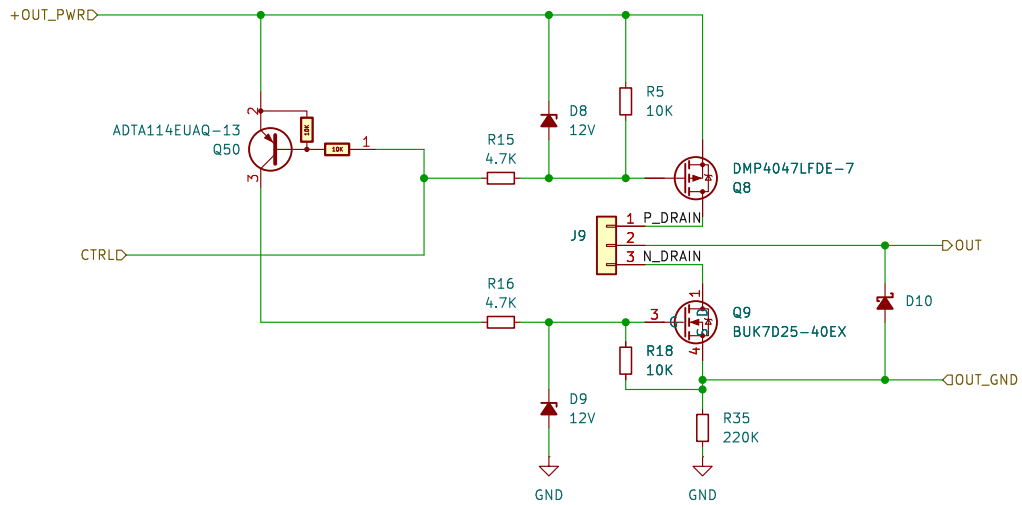
TOP Sheet
Sheet: Root
File: control_unit_v2_upper.kicad_sch
Rev: 1 | Date: 2024-12-09 | Size: A3
BK Telematics
Id: 1/18

POWER OUTPUT



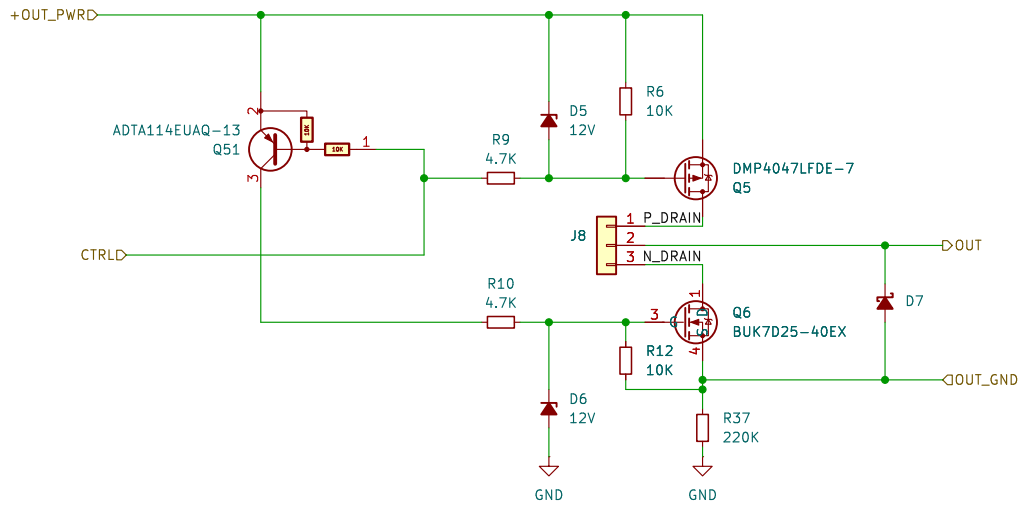
Title: Control Unit 2			BK Telematics
POWER OUTPUT			
Sheet: out1			
File: output.kicad_sch			
Rev: 1	Date: 2024-12-09	Size: A4	Id: 2/18

POWER OUTPUT



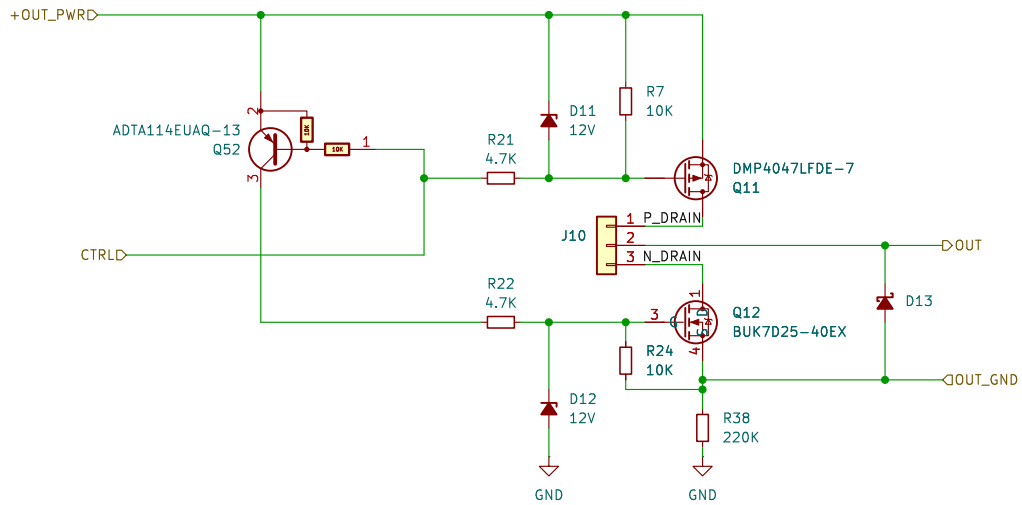
Title: Control Unit 2			BK Telematics
POWER OUTPUT			
Sheet: out3			
File: output.kicad_sch			
Rev: 1	Date: 2024-12-09	Size: A4	Id: 3/18

POWER OUTPUT



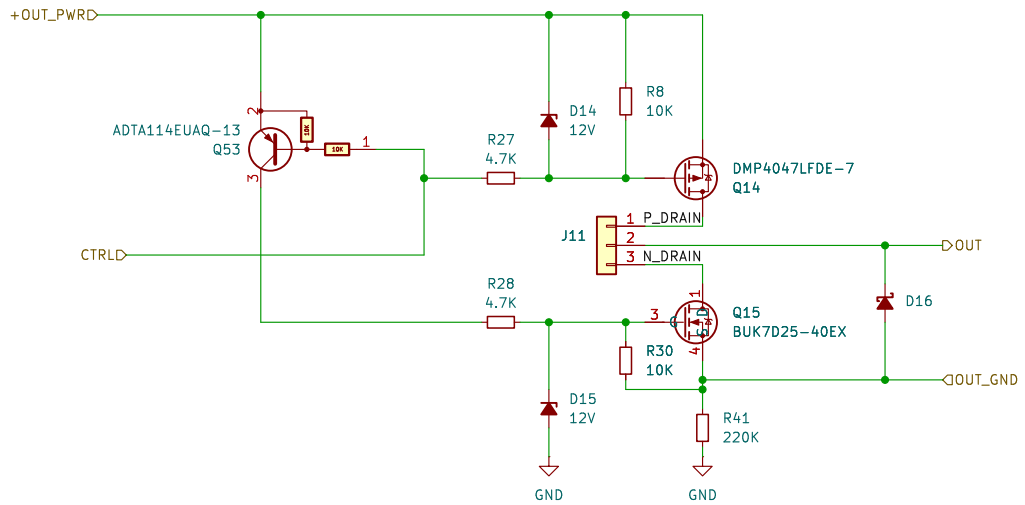
Title: Control Unit 2			BK Telematics
POWER OUTPUT			
Sheet: out2			
File: output.kicad_sch			
Rev: 1	Date: 2024-12-09	Size: A4	Id: 4/18

POWER OUTPUT



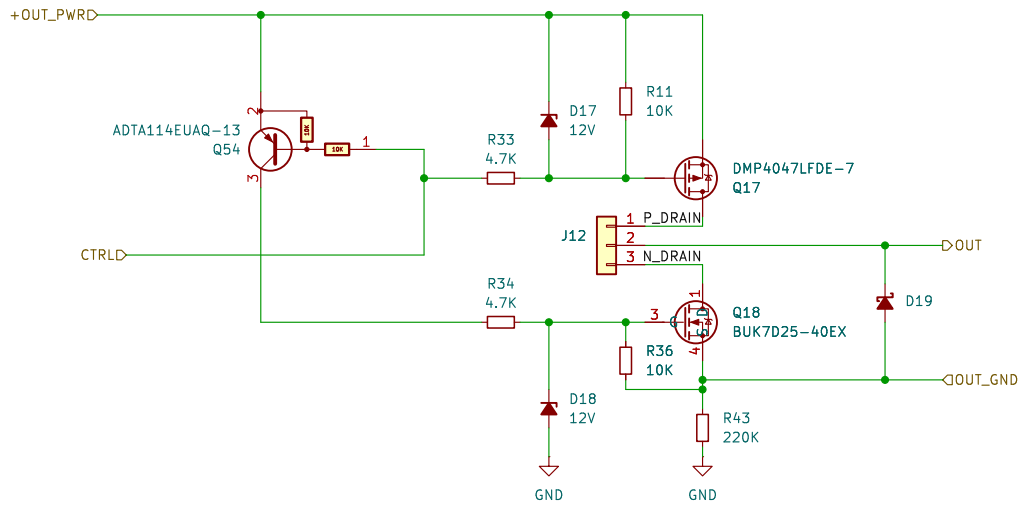
Title: Control Unit 2			BK Telematics
POWER OUTPUT			
Sheet: out4			
File: output.kicad_sch			
Rev: 1	Date: 2024-12-09	Size: A4	Id: 5/18

POWER OUTPUT



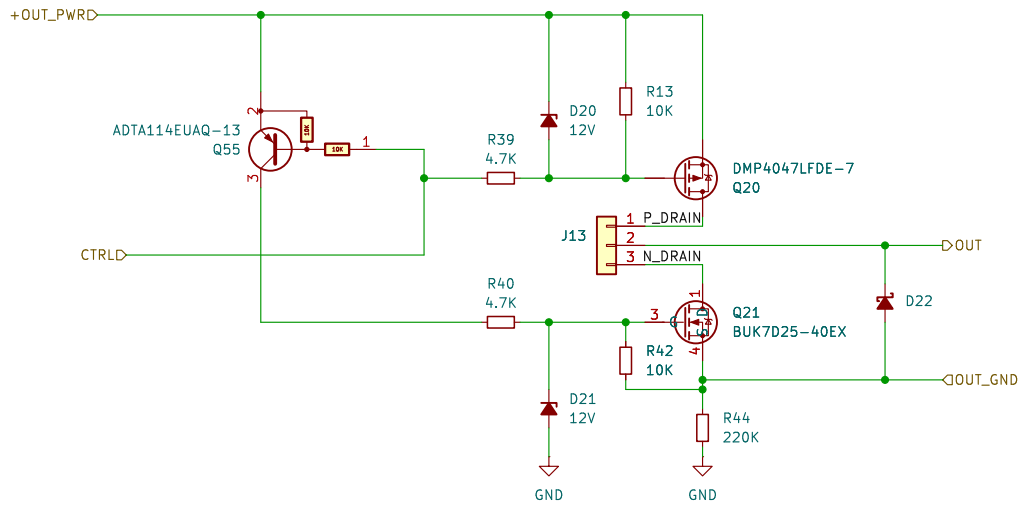
Title: Control Unit 2			BK Telematics
POWER OUTPUT			
Sheet: out5			
File: output.kicad_sch			
Rev: 1	Date: 2024-12-09	Size: A4	Id: 6/18

POWER OUTPUT



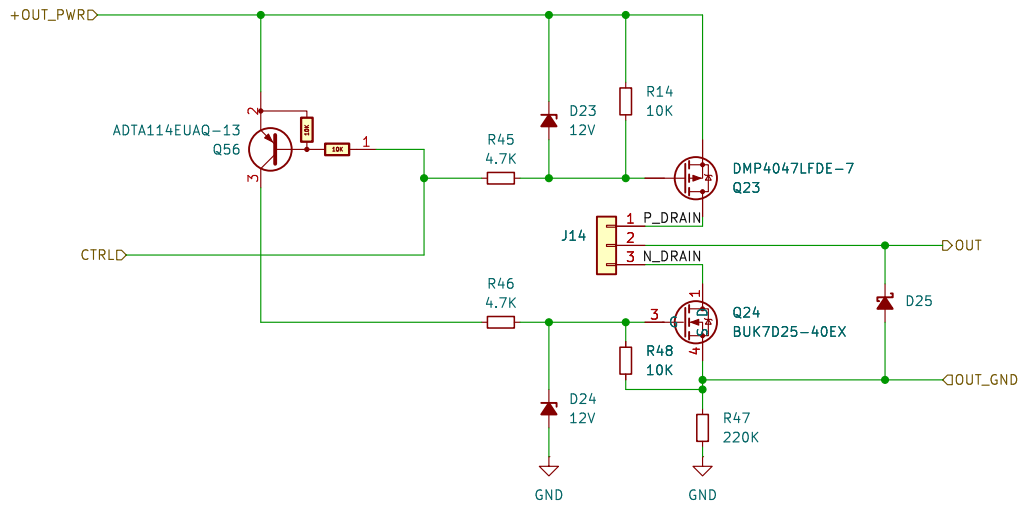
Title: Control Unit 2			BK Telematics
POWER OUTPUT			
Sheet: out6			
File: output.kicad_sch			
Rev: 1	Date: 2024-12-09	Size: A4	Id: 7/18

POWER OUTPUT



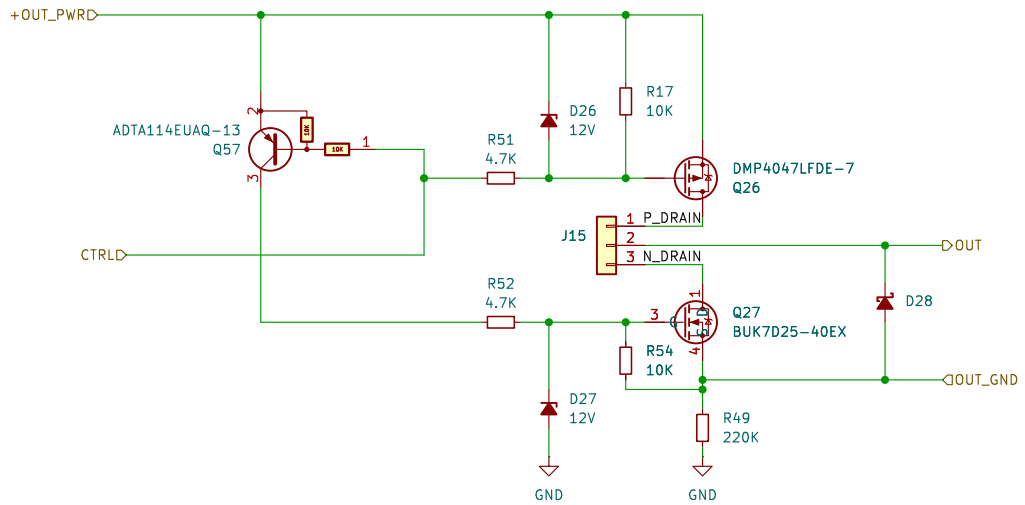
Title: Control Unit 2			BK Telematics
POWER OUTPUT			
Sheet: out7			
File: output.kicad_sch			
Rev: 1	Date: 2024-12-09	Size: A4	Id: 8/18

POWER OUTPUT



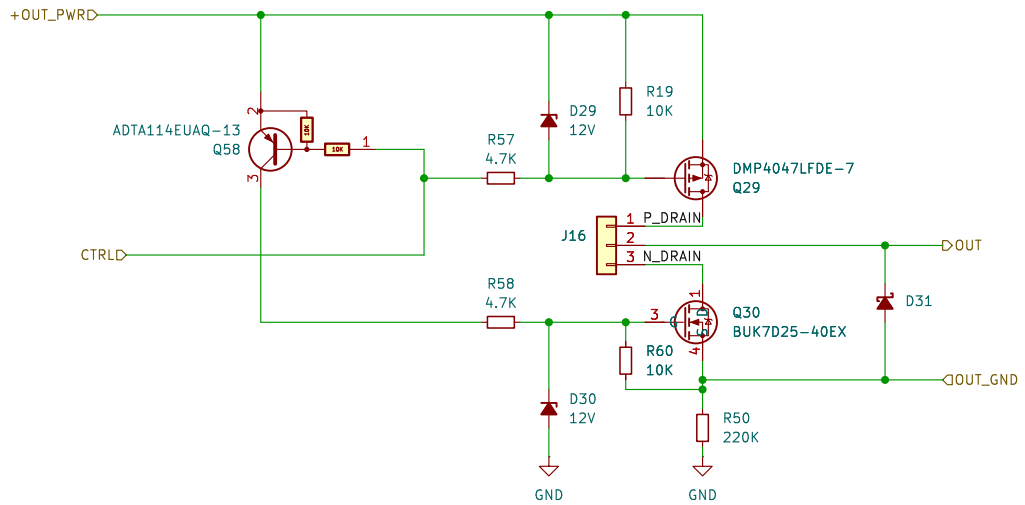
Title: Control Unit 2			BK Telematics
POWER OUTPUT			
Sheet: out8			
File: output.kicad_sch			
Rev: 1	Date: 2024-12-09	Size: A4	Id: 9/18

POWER OUTPUT



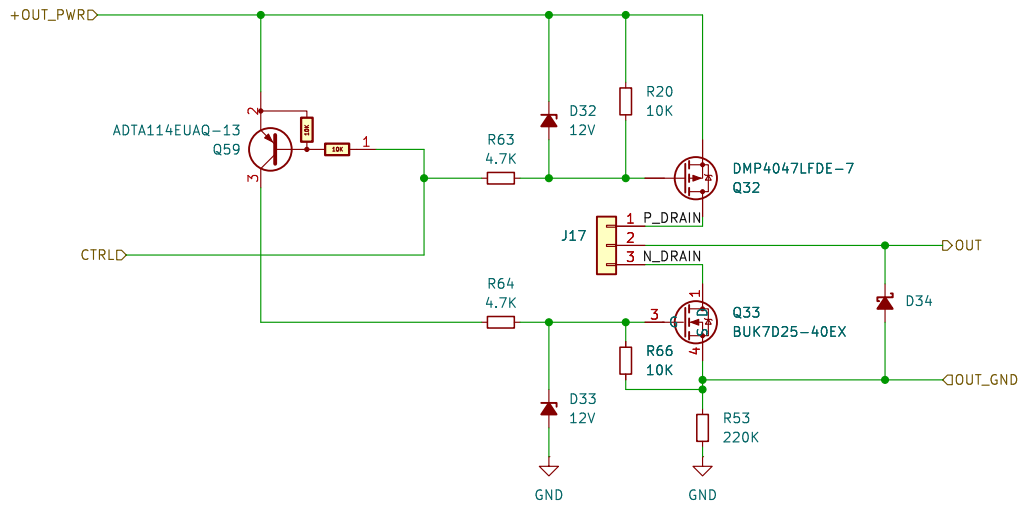
Title: Control Unit 2			BK Telematics
POWER OUTPUT			
Sheet: out9			
File: output.kicad_sch			
Rev: 1	Date: 2024-12-09	Size: A4	Id: 10/18

POWER OUTPUT



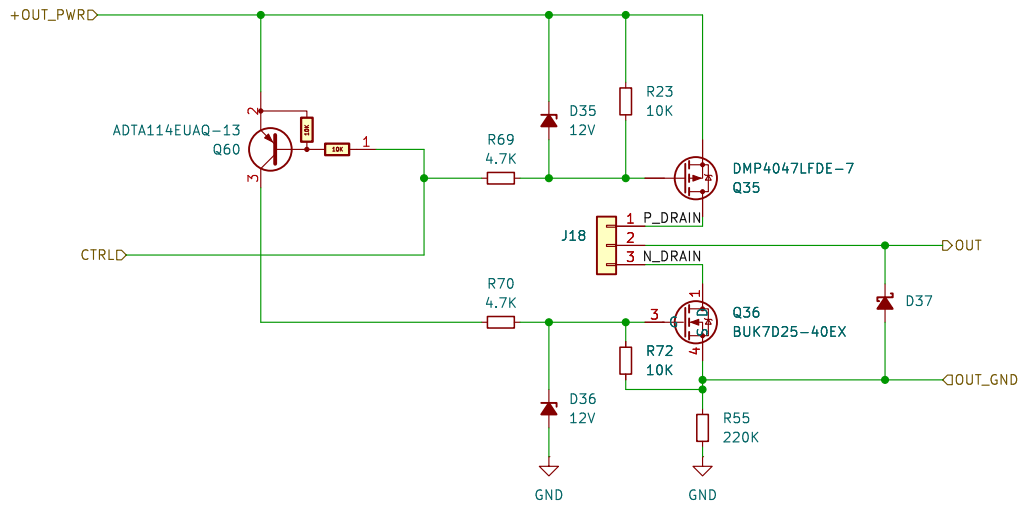
Title: Control Unit 2			BK Telematics
POWER OUTPUT			
Sheet: out10			
File: output.kicad_sch			
Rev: 1	Date: 2024-12-09	Size: A4	Id: 11/18

POWER OUTPUT



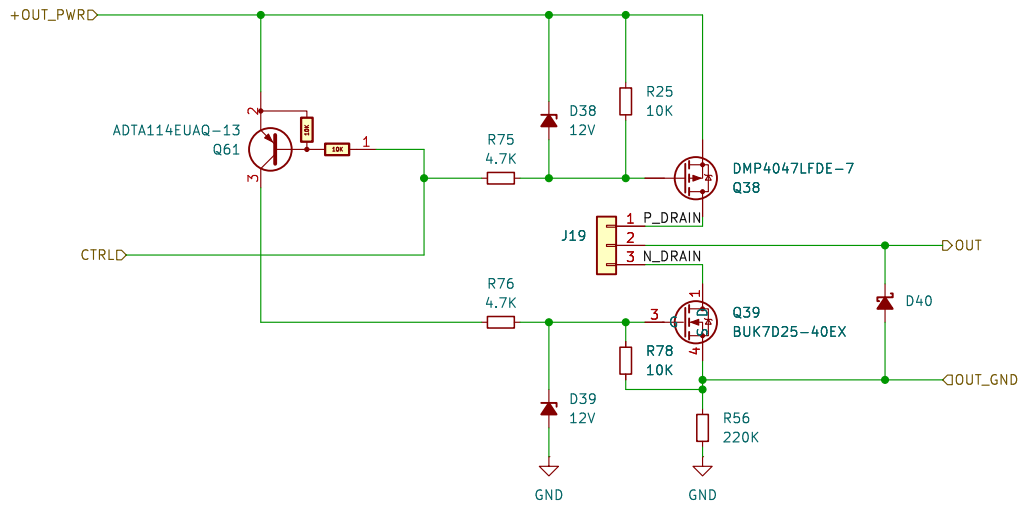
Title: Control Unit 2			BK Telematics
POWER OUTPUT			
Sheet: out11			
File: output.kicad_sch			
Rev: 1	Date: 2024-12-09	Size: A4	Id: 12/18

POWER OUTPUT



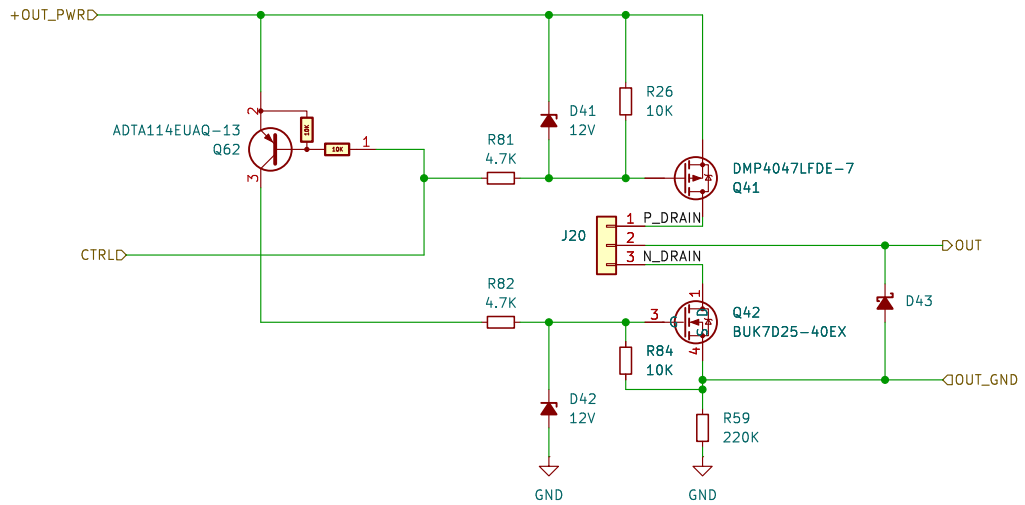
Title: Control Unit 2			BK Telematics
POWER OUTPUT			
Sheet: out12			
File: output.kicad_sch			
Rev: 1	Date: 2024-12-09	Size: A4	Id: 13/18

POWER OUTPUT



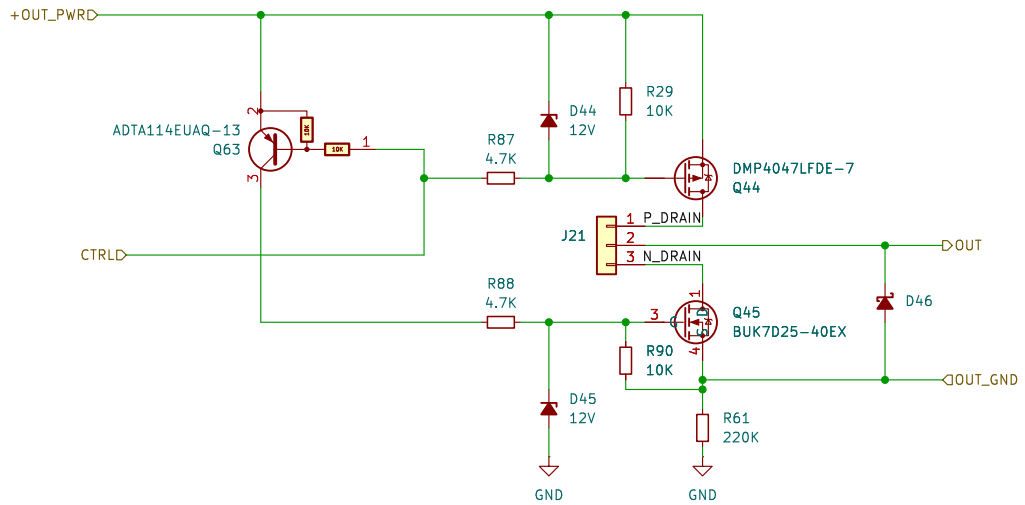
Title: Control Unit 2			BK Telematics
POWER OUTPUT			
Sheet: out13			
File: output.kicad_sch			
Rev: 1	Date: 2024-12-09	Size: A4	Id: 14/18

POWER OUTPUT



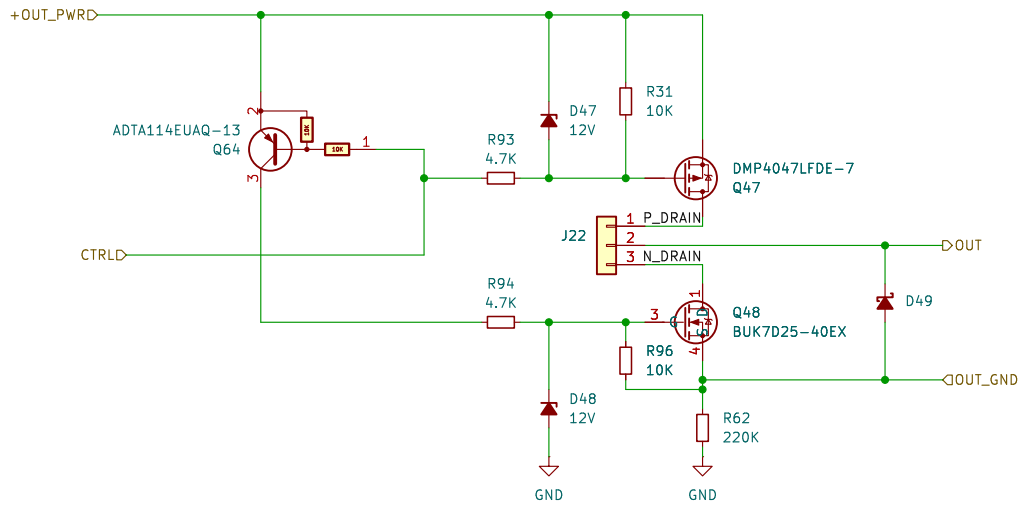
Title: Control Unit 2			BK Telematics
POWER OUTPUT			
Sheet: out14			
File: output.kicad_sch			
Rev: 1	Date: 2024-12-09	Size: A4	Id: 15/18

POWER OUTPUT



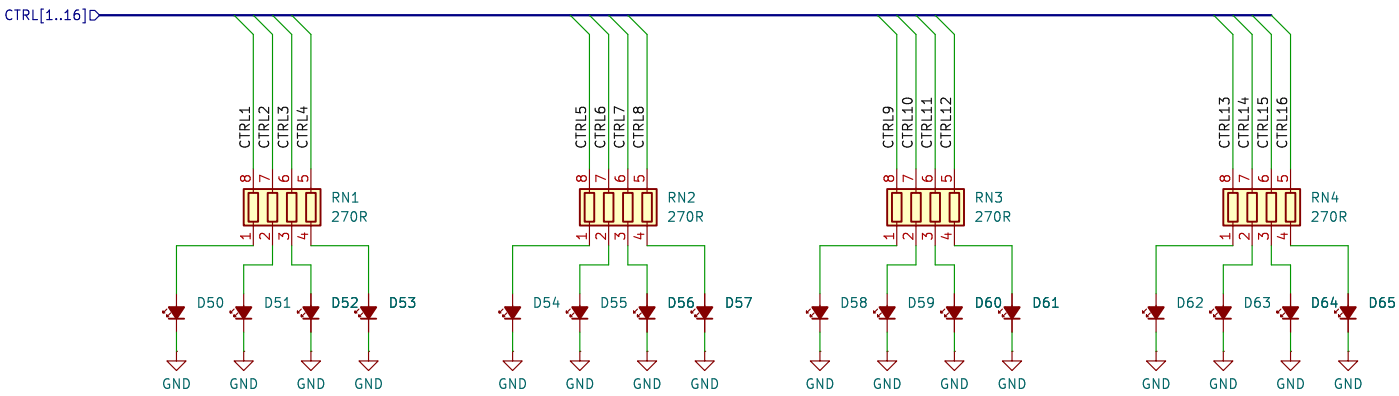
Title: Control Unit 2			BK Telematics
POWER OUTPUT			
Sheet: out15			
File: output.kicad_sch			
Rev: 1	Date: 2024-12-09	Size: A4	Id: 16/18

POWER OUTPUT



Title: Control Unit 2			BK Telematics
POWER OUTPUT			
Sheet: out16			
File: output.kicad_sch			
Rev: 1	Date: 2024-12-09	Size: A4	Id: 17/18

LEDs



Title: Control Unit 2			BK Telematics
LEDs			
Sheet: leds			
File: leds.kicad_sch			
Rev: 1	Date: 2024-12-09	Size: A4	Id: 18/18