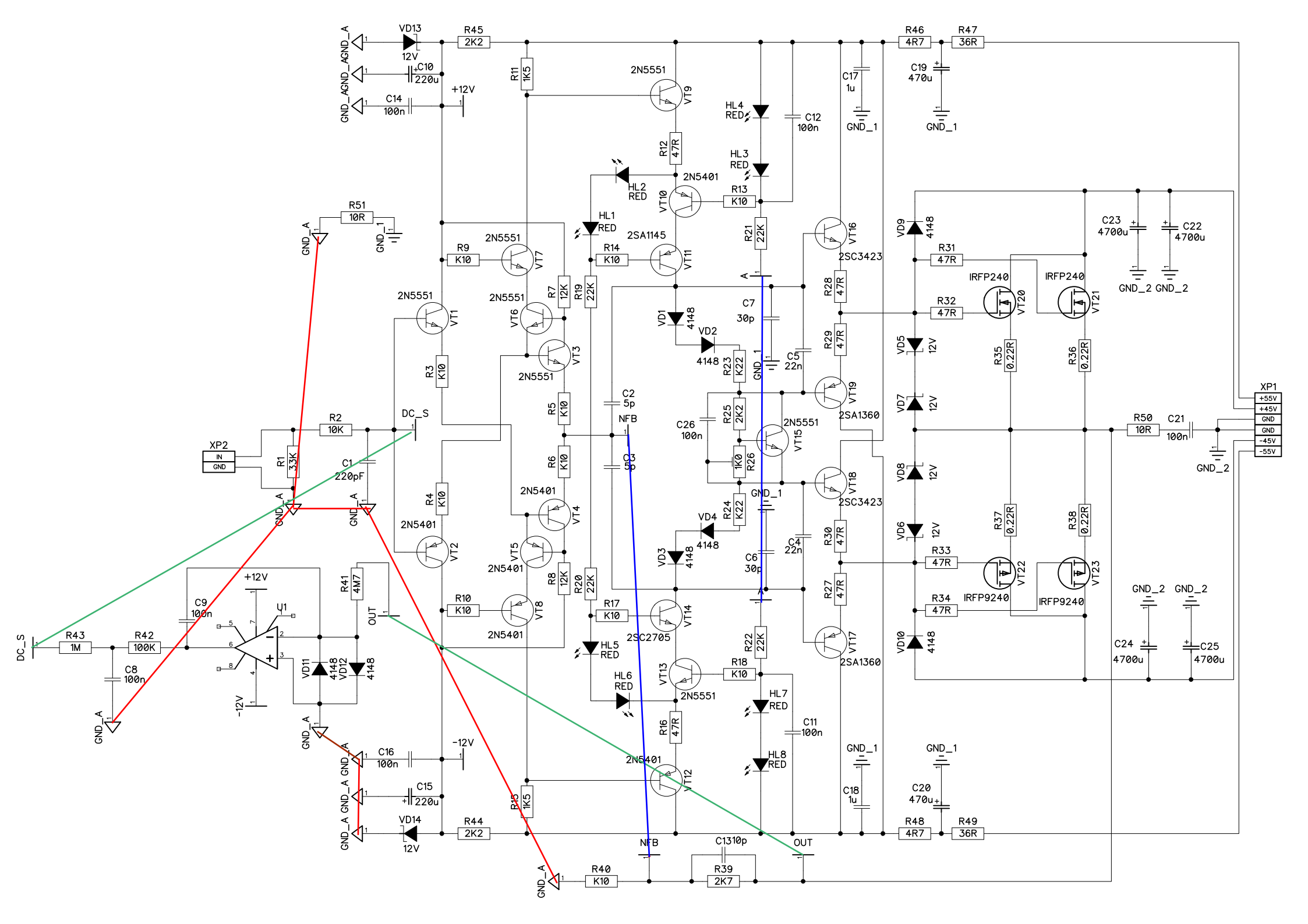

VD13
12V
R45
2K2
R46
4R7
R47
36R
C10
220u
C14
100n
+12V
R11
1K5
2N5551
VT9
C17
1u
C19
470u
GND_1
HL4
RED
C12
100n
R12
47R
HL3
RED
HL2
RED
2N5401
VT10
R13
K10
R51
10R
HL1
RED
2SA1145
VT11
R14
K10
R21
22K
VT16
2SC3423
VD9
4148
R31
47R
C23
4700u
C22
4700u
GND_2
R9
K10
VT7
R7
12K
R19
22K
R28
47R
IRFP240
VT20
VT21
R32
47R
VT1
VT6
VT3
VD1
4148
VD2
4148
C7
30p
C5
22n
R29
47R
VD5
12V
R35
0.22R
R36
0.22R
R3
K10
R23
K22
VT19
2SA1360
VD7
12V
XP1
+55V
+45V
GND
GND
-45V
-55V
R5
K10
C2
5p
NFB
C26
100n
R25
2K2
2N5551
VT15
R50
10R
C21
100n
R2
10K
DC_S
XP2
IN
GND
R1
33K
C1
220pF
R6
K10
C3
5p
R26
1K0
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VD8
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R4
K10
2N5401
VT4
R24
K22
VD4
4148
VD6
12V
R37
0.22R
R38
0.22R
VT2
VT5
VD3
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C6
30p
C4
22n
R30
47R
R33
47R
VT22
VT23
IRFP9240
R41
4M7
R8
12K
R20
22K
R27
47R
R34
47R
C9
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VT8
R17
K10
VT14
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2SA1360
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C24
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C25
4700u
R43
1M
R42
100K
C8
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VD11
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VD12
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HL5
RED
R22
22K
HL6
RED
VT13
R18
K10
HL7
RED
C11
100n
R16
47R
HL8
RED
C16
100n
-12V
C15
220u
VT12
C18
1u
C20
470u
R15
1K5
VD14
12V
R44
2K2
R48
4R7
R49
36R
C1310p
R39
2K7
R40
K10