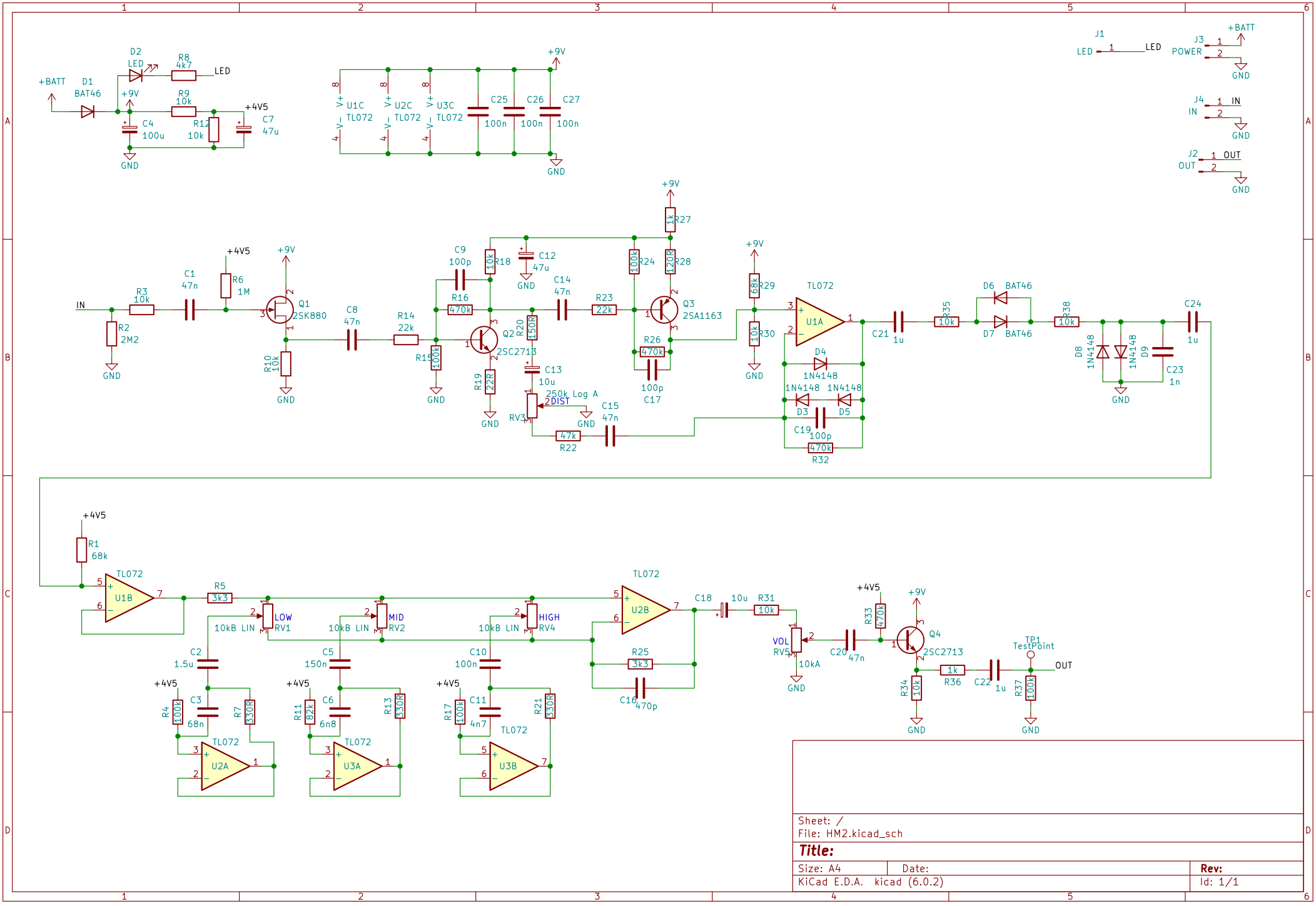
+BATT
D1
BAT46
D2
LED
R8
4k7
LED
+9V
R9
10k
+4V5
C4
100u
R12
10k
C7
47u
GND
U1C
TL072
U2C
TL072
U3C
TL072
C25
100n
C26
100n
C27
100n
J1
LED
J3
POWER
J4
IN
J2
OUT
IN
R3
10k
R2
2M2
C1
47n
R6
1M
Q1
2SK880
R10
10k
C8
47n
R14
22k
R15
100k
C9
100p
R18
10k
R16
470k
Q2
2SC2713
R19
22R
R20
150R
C12
47u
C14
47n
R23
22k
C13
10u
250k Log A
2DIST
RV3
47k
R22
C15
47n
R27
1k
R24
100k
R28
120R
Q3
2SA1163
R26
470k
C17
100p
R29
68k
R30
10k
TL072
U1A
C21
1u
R35
10k
D6
BAT46
D7
BAT46
R38
10k
D8
1N4148
D9
1N4148
C23
1n
C24
1u
D4
1N4148
D3
1N4148
D5
1N4148
C19
100p
R32
470k
R1
68k
TL072
U1B
R5
3k3
LOW
RV1
10kB LIN
MID
RV2
10kB LIN
HIGH
RV4
10kB LIN
TL072
U2B
R25
3k3
C16
470p
C18
10u
R31
10k
VOL
RV5
10kA
C20
47n
R33
470k
Q4
2SC2713
R34
10k
R36
1k
C22
1u
TP1
TestPoint
OUT
R37
100k
C2
1.5u
C3
68n
R4
100k
R7
330R
TL072
U2A
C5
150n
C6
6n8
R11
82k
R13
330R
TL072
U3A
C10
100n
C11
4n7
R17
100k
R21
330R
TL072
U3B
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Date:
Rev:
KiCad E.D.A. kicad (6.0.2)
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