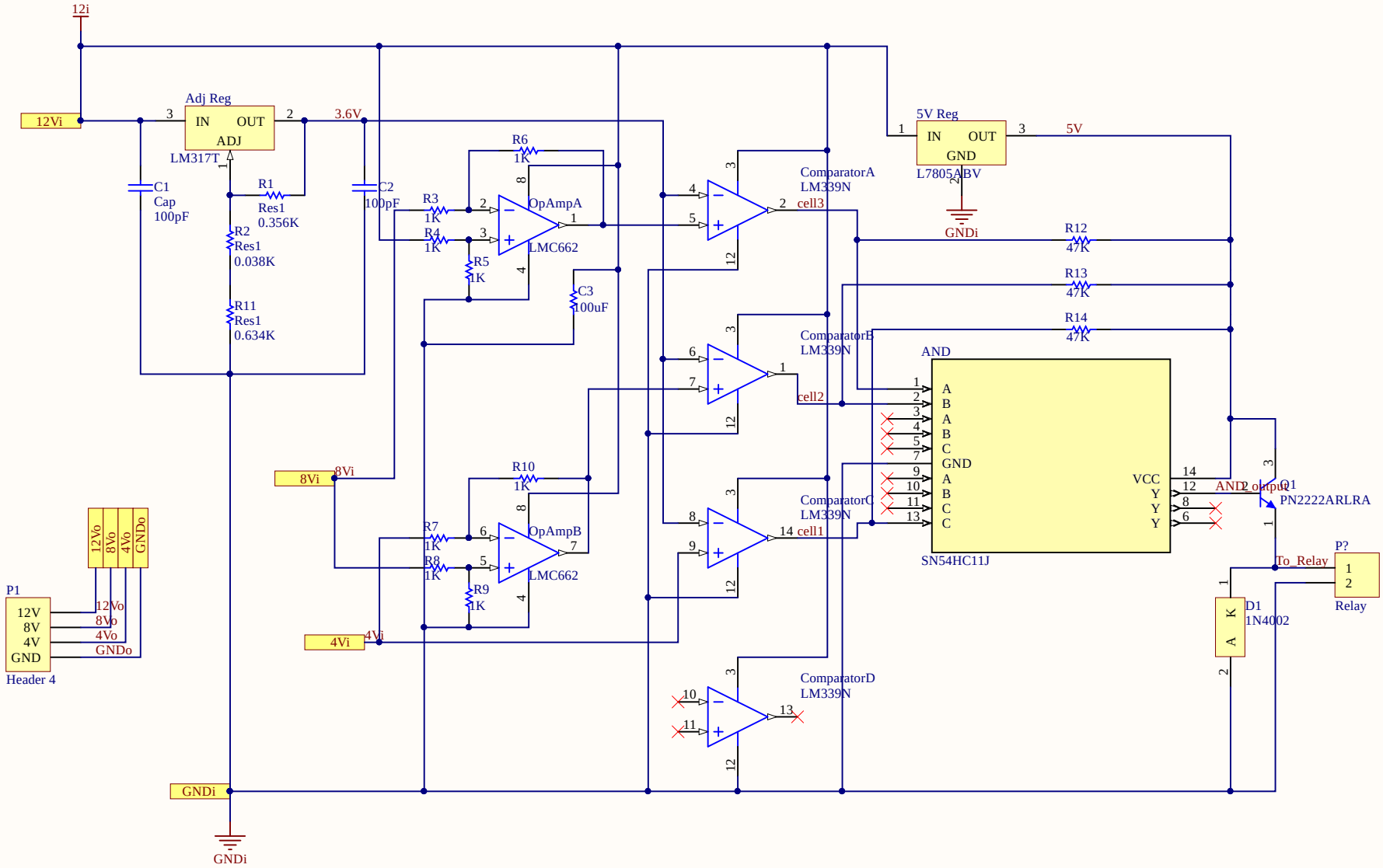
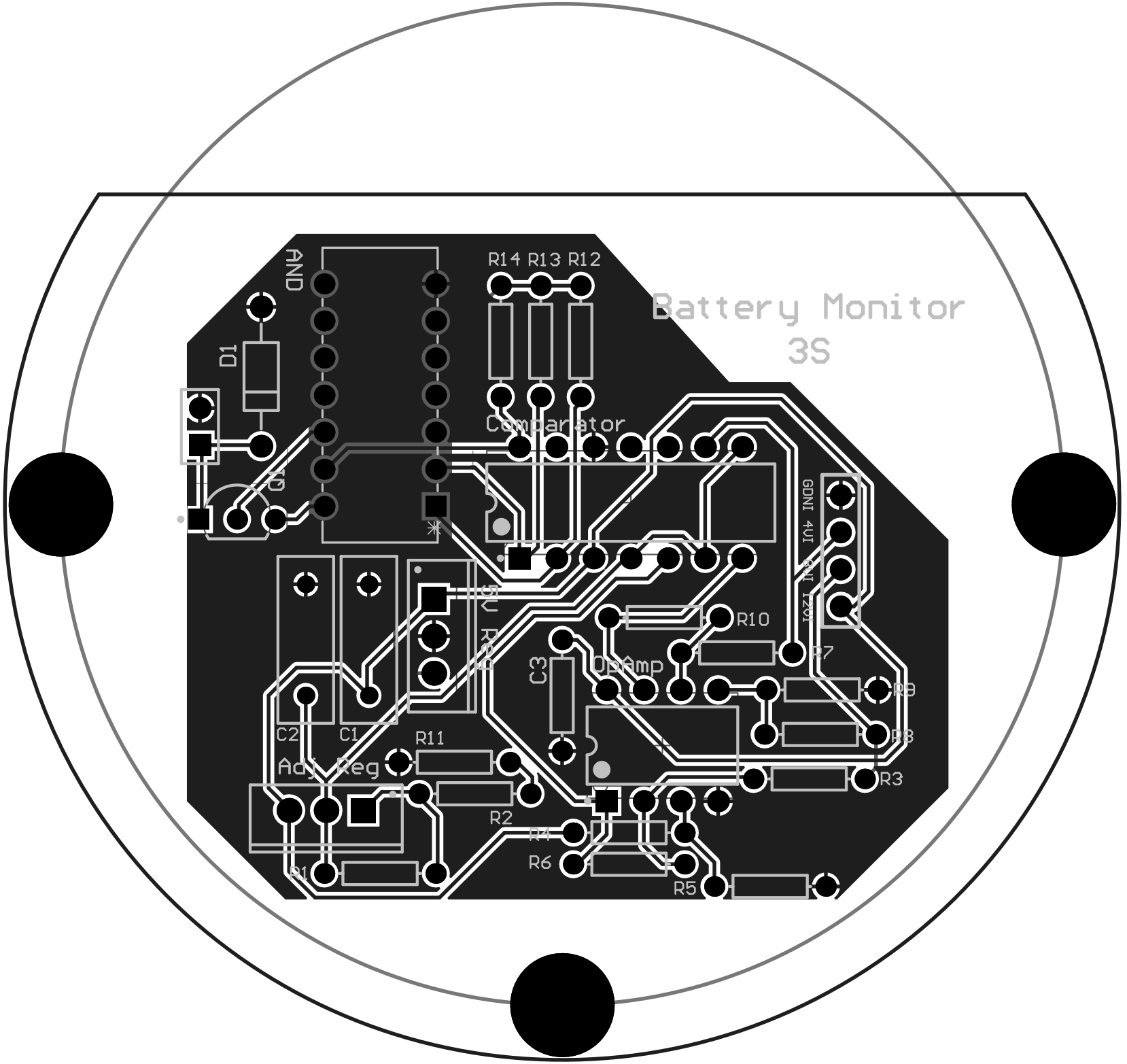

12i
12Vi
Adj Reg
IN
OUT
ADJ
LM317T
3.6V
C1
Cap
100pF
R1
Res1
0.356K
R2
Res1
0.038K
R11
Res1
0.634K
C2
100pF
R3
1K
R4
1K
R5
1K
R6
1K
OpAmpA
LMC662
C3
100uF
5V Reg
IN
OUT
GND
L7805ABV
5V
GNDi
ComparatorA
LM339N
cell3
R12
47K
R13
47K
R14
47K
ComparatorB
LM339N
cell2
AND
SN54HC11J
VCC
GND
AND2 output
Q1
PN2222ARLRA
8Vi
R10
1K
R7
1K
R8
1K
R9
1K
OpAmpB
LMC662
4Vi
ComparatorC
LM339N
cell1
ComparatorD
LM339N
P1
12V
8V
4V
GND
Header 4
12Vo
8Vo
4Vo
GNDo
P?
To_Relay
Relay
D1
1N4002
GNDi
Title
Size
A4
Number
Revision
Date:
2020-07-12
Sheet
of
File:
C:\Users\..\battery_monitor_3S_thru_hole.sch
Drawn By:


Battery Monitor
3S
AND
D1
R14 R13 R12
Comparator
R10
R7
R9
R8
R3
C3
OpAmp
C2
C1
R11
Adj Reg
R2
R4
R6
R5
Q1

Board Stack Report