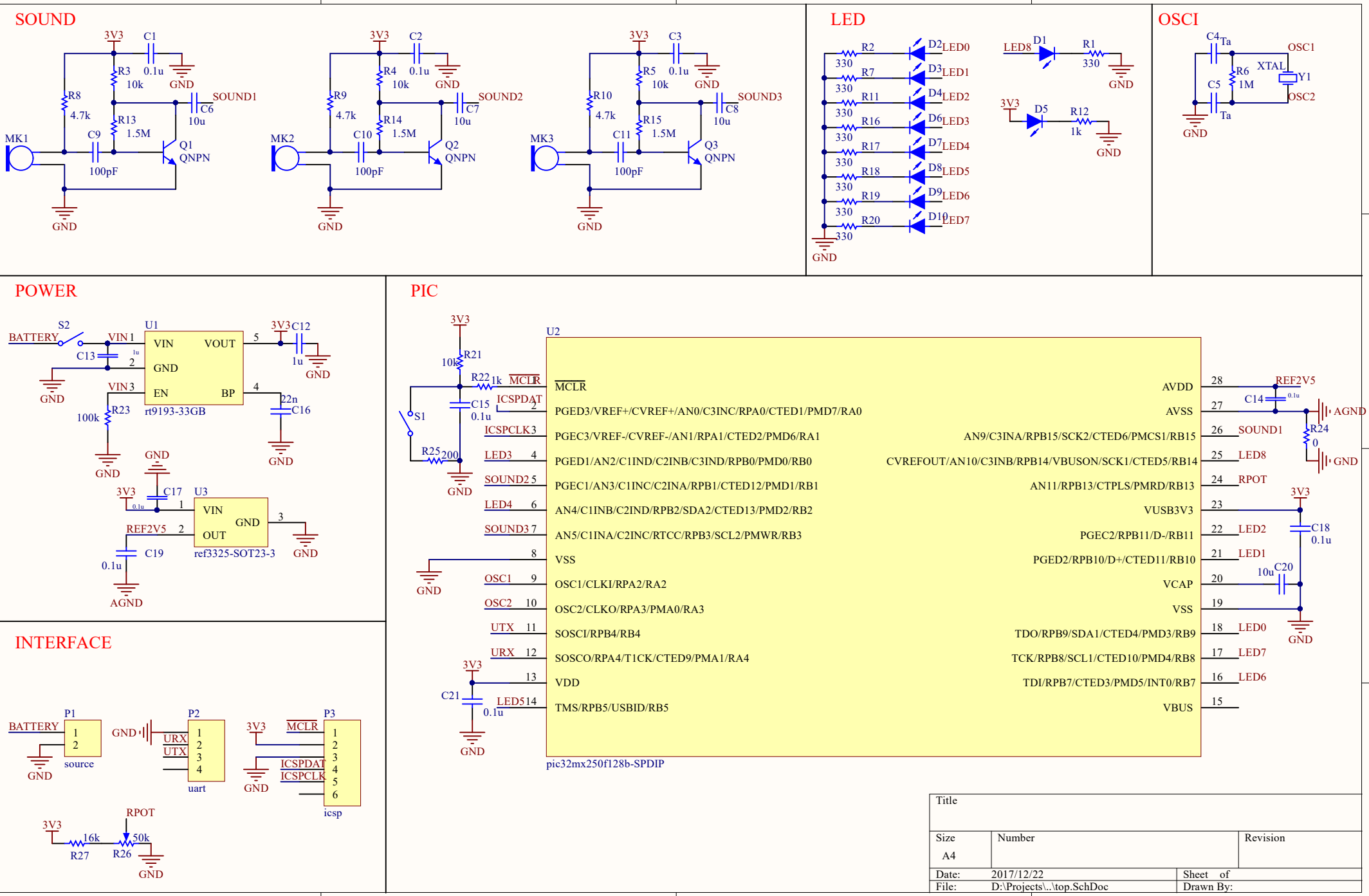
SOUND
3V3
C1
0.1u
R3
10k
GND
R8
4.7k
R13
1.5M
SOUND1
C6
10u
MK1
C9
100pF
Q1
QNPN
C2
R4
R9
R14
C10
SOUND2
C7
MK2
Q2
C3
R5
R10
R15
C11
SOUND3
C8
MK3
Q3
LED
R2
330
D2
LED0
R7
D3
LED1
R11
D4
LED2
R16
D6
LED3
R17
D7
LED4
R18
D8
LED5
R19
D9
LED6
R20
D10
LED7
LED8
D1
R1
D5
R12
1k
OSCI
C4
Ta
OSC1
XTAL
R6
1M
Y1
C5
OSC2
POWER
S2
BATTERY
U1
VIN
VOUT
C13
1u
C12
EN
BP
R23
100k
22n
C16
rt9193-33GB
C17
U3
REF2V5
C19
ref3325-SOT23-3
AGND
INTERFACE
P1
source
P2
URX
UTX
uart
P3
MCLR
ICSPDAT
ICSPCLK
icsp
RPOT
16k
50k
R27
R26
PIC
U2
R21
10k
R22
1k
C15
S1
R25
200
LED3
SOUND2
LED4
SOUND3
OSC1
OSC2
UTX
URX
C21
LED5
MCLR
PGED3/VREF+/CVREF+/AN0/C3INC/RPA0/CTED1/PMD7/RA0
PGEC3/VREF-/CVREF-/AN1/RPA1/CTED2/PMD6/RA1
PGED1/AN2/C1IND/C2INB/C3IND/RPB0/PMD0/RB0
PGEC1/AN3/C1INC/C2INA/RPB1/CTED12/PMD1/RB1
AN4/C1INB/C2IND/RPB2/SDA2/CTED13/PMD2/RB2
AN5/C1INA/C2INC/RTCC/RPB3/SCL2/PMWR/RB3
VSS
OSC1/CLKI/RPA2/RA2
OSC2/CLKO/RPA3/PMA0/RA3
SOSCI/RPB4/RB4
SOSCO/RPA4/T1CK/CTED9/PMA1/RA4
VDD
TMS/RPB5/USBID/RB5
AVDD
AVSS
AN9/C3INA/RPB15/SCK2/CTED6/PMCS1/RB15
CVREFOUT/AN10/C3INB/RPB14/VBUSON/SCK1/CTED5/RB14
AN11/RPB13/CTPLS/PMRD/RB13
VUSB3V3
PGEC2/RPB11/D-/RB11
PGED2/RPB10/D+/CTED11/RB10
VCAP
VSS
TDO/RPB9/SDA1/CTED4/PMD3/RB9
TCK/RPB8/SCL1/CTED10/PMD4/RB8
TDI/RPB7/CTED3/PMD5/INT0/RB7
VBUS
REF2V5
C14
AGND
R24
0
SOUND1
LED8
RPOT
LED2
C18
LED1
C20
LED0
LED7
LED6
pic32mx250f128b-SPDIP
Title
Size
A4
Number
Revision
Date:
2017/12/22
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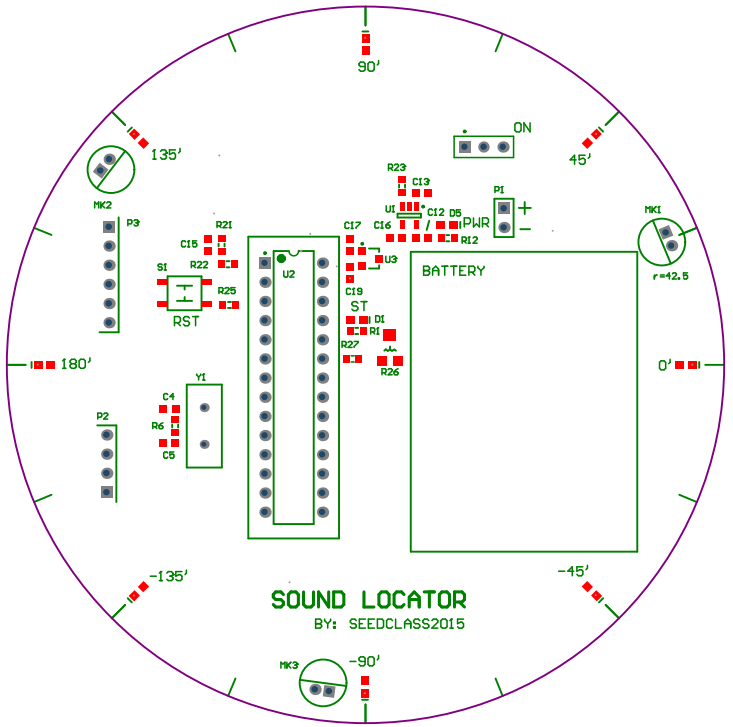
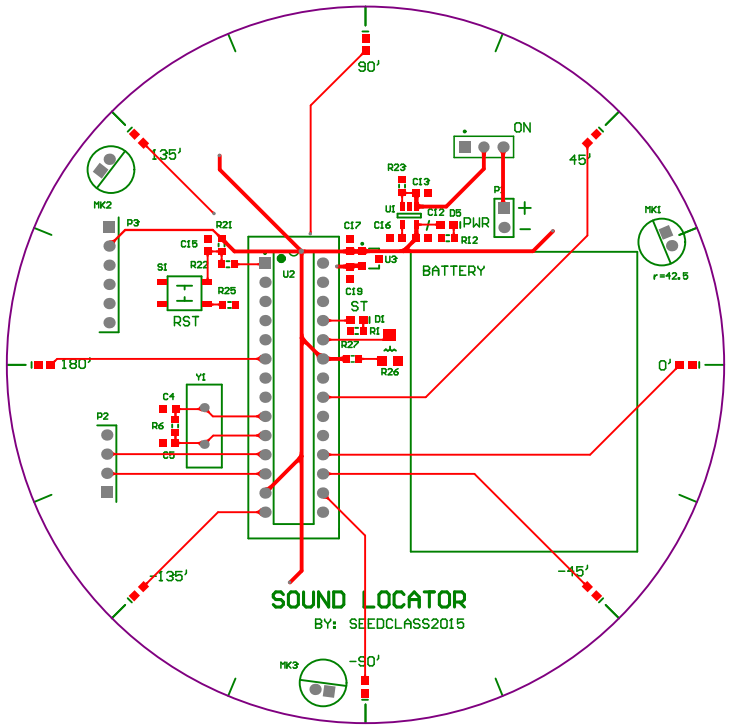
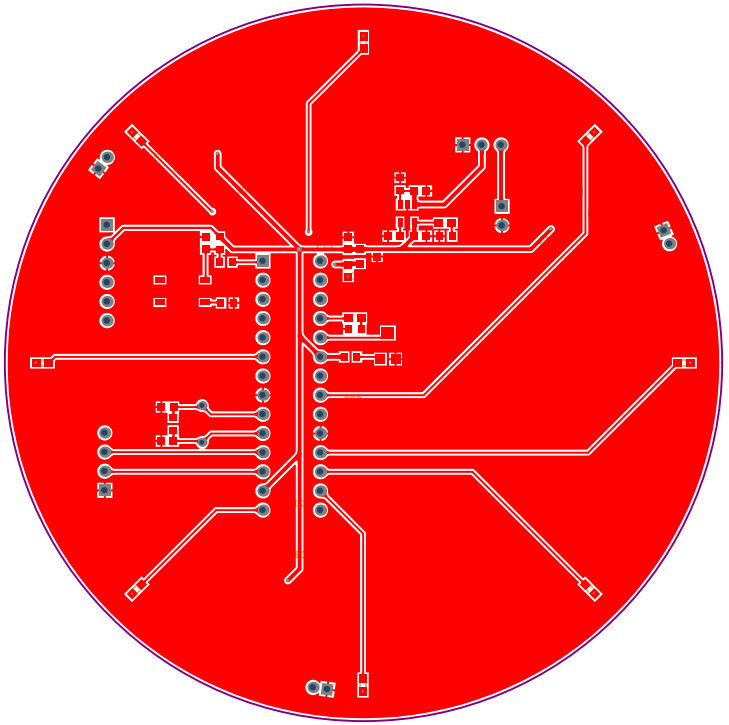
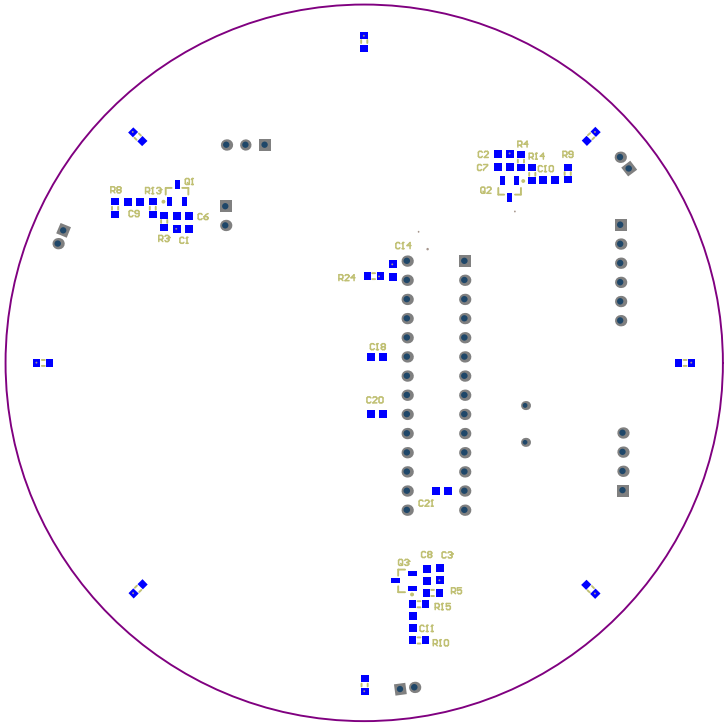
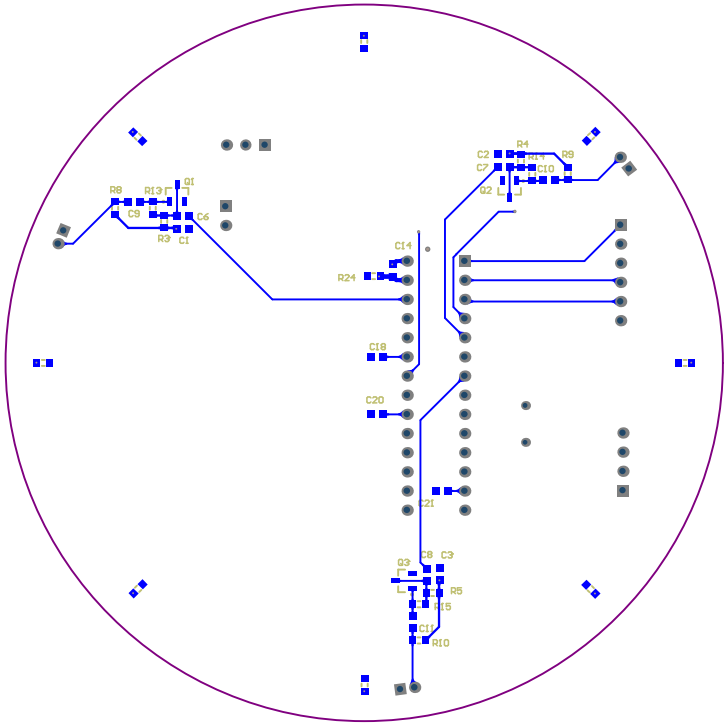
Drawn By:

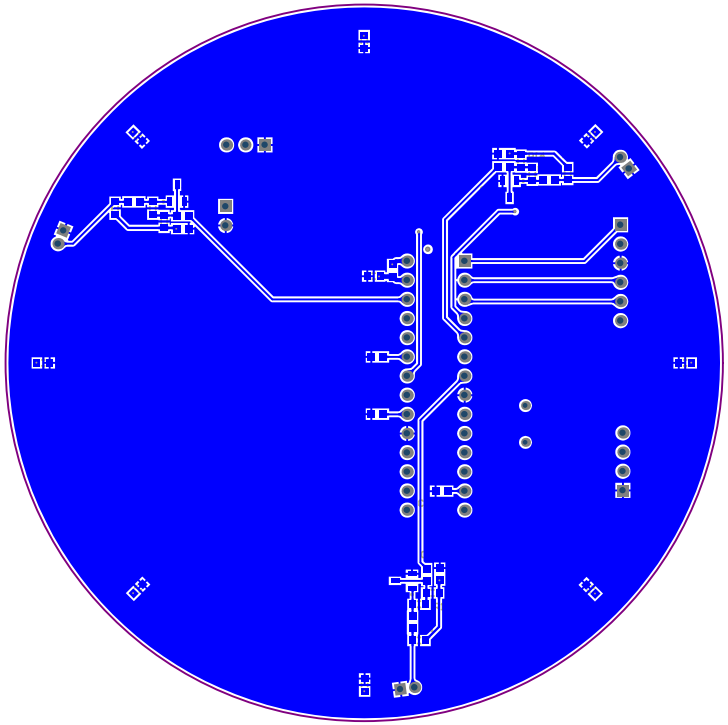

90'
135'
45'
180'
0'
-135'
-45'
-90'
ON
PWR
BATTERY
r=42.5
RST
ST
SOUND LOCATOR
BY: SEEDCLASS2015
MK1
MK2
MK3
P1
P2
P3
U1
U2
U3
Y1
C4
C5
C6
C12
C13
C15
C16
C17
C19
D1
D5
R1
R6
R12
R21
R22
R23
R25
R26
R27
S1

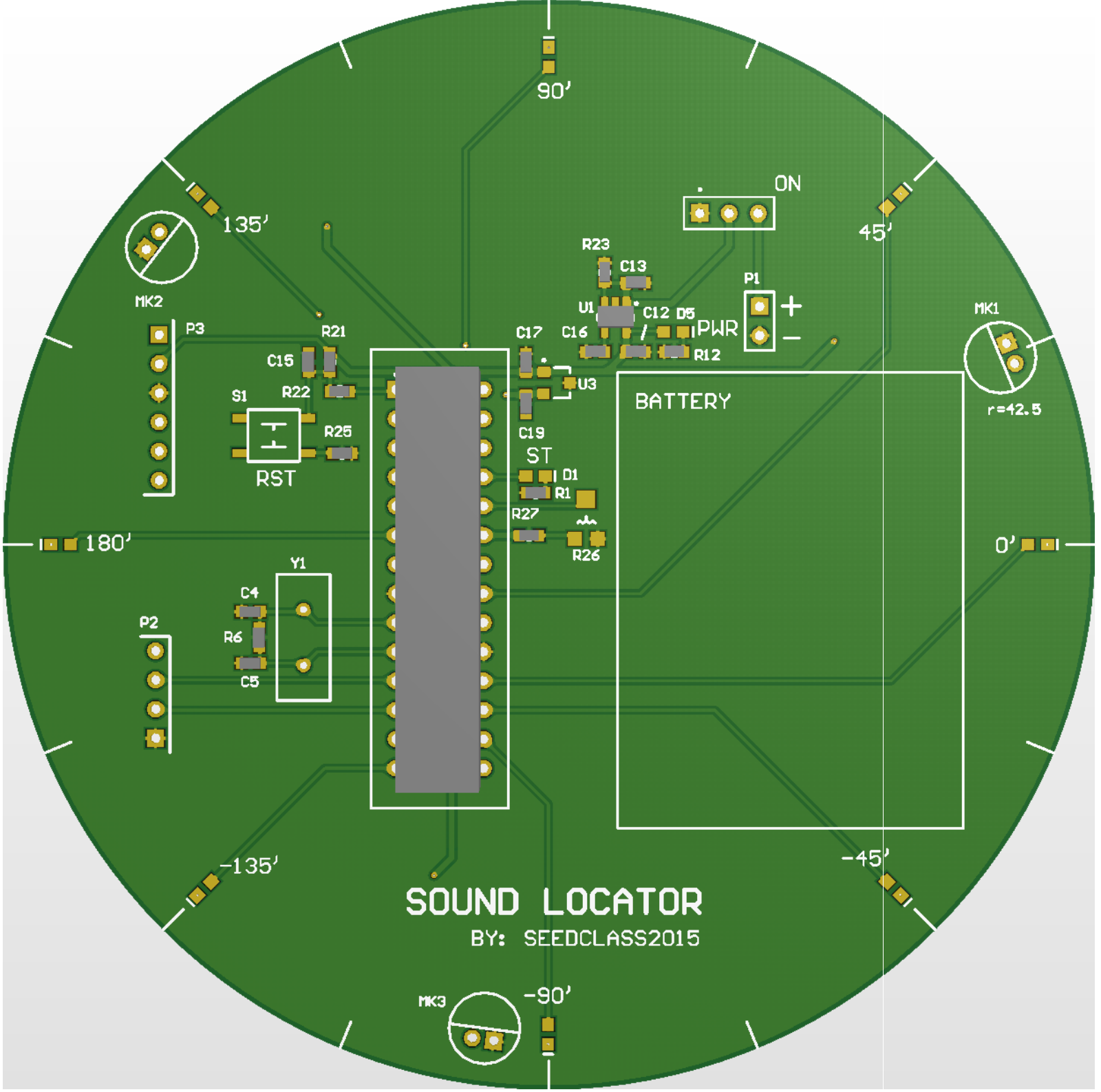

90'
135'
45'
180'
0'
-135'
-45'
-90'
ON
PWR
BATTERY
ST
RST
MK1
MK2
MK3
r=42.5
SOUND LOCATOR
BY: SEEDCLASS2015

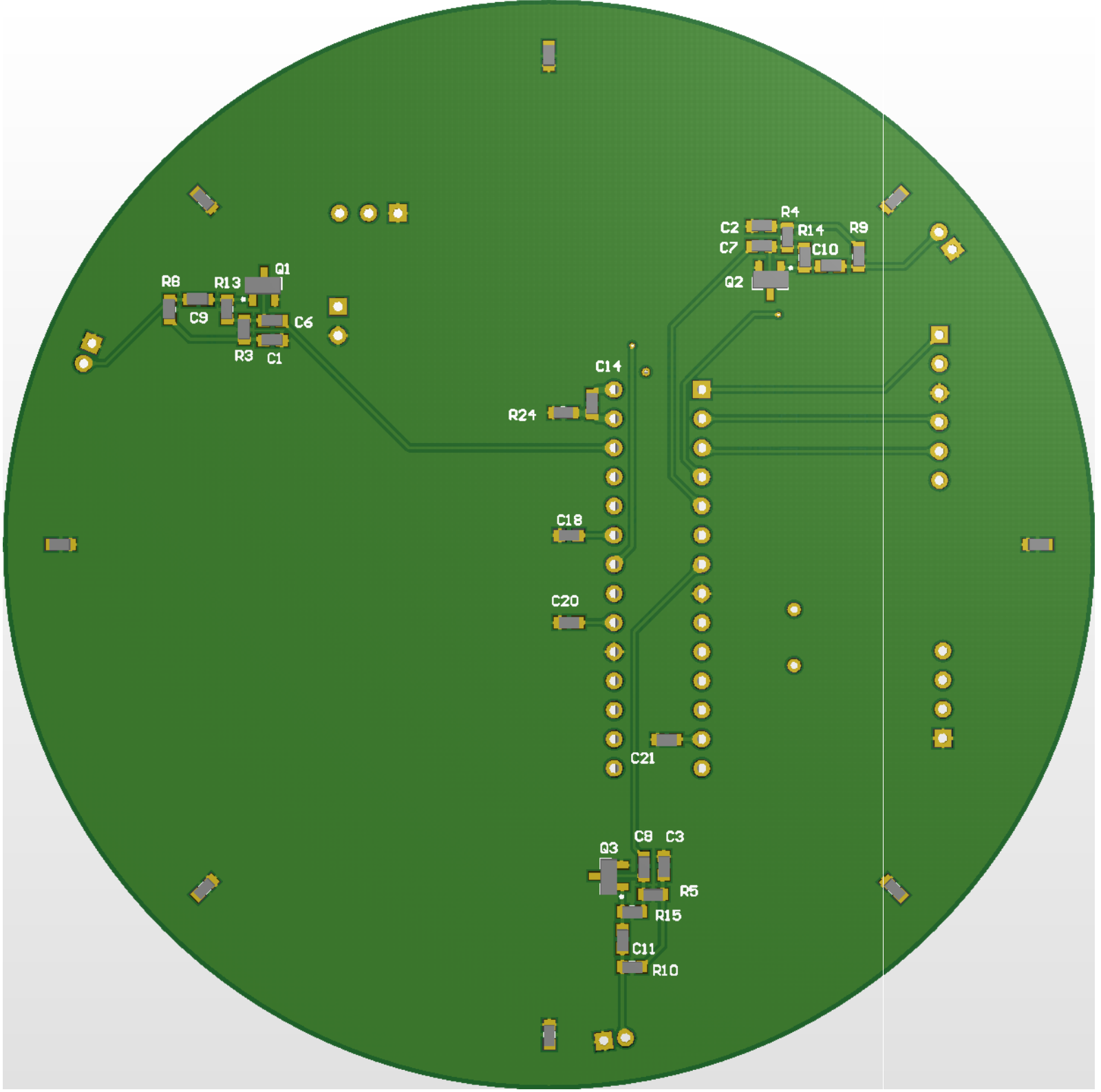



R4
C2
R14
R9
C7
C10
Q2
Q1
R8
R13
C9
C6
R3
C1
C14
R24
C18
C20
C21
Q3
C8
C3
R5
R15
C11
R10


R4
C2
R14
R9
C7
C10
Q2
L1
Q1
R8
R13
C9
C6
R3
C1
C14
R24
C18
C20
C21
C8
C3
Q3
L2
R5
R6
C11
R10




90'
135'
45'
180'
0'
-135'
-45'
-90'
ON
P1
PWR
MK1
r=42.5
MK2
MK3
P3
P2
R21
C15
R22
S1
RST
R25
R23
C13
U1
C12
D5
C16
R12
C17
U3
C19
ST
D1
R1
R27
R26
BATTERY
Y1
C4
R6
C5
SOUND LOCATOR
BY: SEEDCLASS2015


R4
C2
R14
R9
C7
C10
Q2
Q1
R8
R13
C9
C6
R3
C1
C14
R24
C18
C20
C21
C8
C3
Q3
R5
R15
C11
R10

| Comment | Designator | Footprint | Quantity |
|---|---|---|---|
| Cap | C1, C2, C3, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21 | CAPC1608N | 19 |
| Ta | C4, C5 | CAPC1608N | 2 |
| LED2 | D1, D2, D3, D4, D5, D6, D7, D8, D9, D10 | CD1608-0603 | 10 |
| Mic2 | MK1, MK2, MK3 | MK | 3 |
| source | P1 | HDR1X2 | 1 |
| uart | P2 | HDR1X4 | 1 |
| icsp | P3 | HDR1X6 | 1 |
| QNPN | Q1, Q2, Q3 | SOT-23B_N | 3 |
| Res1 | R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R27 | RESC1608N | 26 |
| RPot | R26 | RPOT | 1 |
| SW-SPST | S1 | sw | 1 |
| SW-SPST | S2 | PIN3 | 1 |
| rt9193-33GB | U1 | SOT23-5_N | 1 |
| pic32mx250f128b-SPDIP | U2 | DIP-28 | 1 |
| ref3325-SOT23-3 | U3 | SOT23-3 | 1 |
| XTAL | Y1 | XTAL | 1 |
| | | | |