F1

Y1

F2

# Bill of Materials

**<Parameter Title not found>**

**Source Data From:**    PCB_Project1.PrjPCB

**Project:**    PCB_Project1.PrjPCB

**Variant:**    None

Creation Date: 2017/4/18    21:39:44

Print Date:    42843    42843.90262

| Footprint | Comment | LibRef | Designator | Description | Value |
|-----------|---------|--------|------------|-------------|-------|
| 1608[0603] | Cap | Cap | C1, C2, C3, C4, C5, C8, C9, C10, C13, C14, C15, C16 | Capacitor | 104 |
| 1608[0603] | Cap | Cap | C6, C7 | Capacitor | 22p |
| 1608[0603] | Cap | Cap | C11, C12 | Capacitor | 102 |
| laba | T | Speaker | F1 | Loudspeaker | |
| laba | R | Speaker | F2 | Loudspeaker | |
| HDR1X5 | CON_5 | Header 5 | J1 | Header, 5-Pin | |
| SOT-23_M | NPN | NPN | Q1, Q2 | NPN Bipolar Transistor | |
| 1608[0603] | Res1 | Res1 | R1, R2, R4, R5, R6, R7, R8 | Resistor | 10K |
| 1608[0603] | Res1 | Res1 | R3, R9, R10, R11, R13 | Resistor | 1K |
| 1608[0603] | Res1 | Res1 | R12 | Resistor | 3.9K |
| 1608[0603] | Res1 | Res1 | R14 | Resistor | 120K |
| 1608[0603] | Res1 | Res1 | R15 | Resistor | 000 |
| 1608[0603] | Res1 | Res1 | R16 | Resistor | 3.3M |
| 1608[0603] | Res1 | Res1 | R17 | Resistor | 2K |
| 1608[0603] | Res1 | Res1 | R18, R19 | Resistor | 75K |
| 1608[0603] | Res1 | Res1 | R20 | Resistor | 47K |
| 1608[0603] | Res1 | Res1 | R21 | Resistor | 160 |
| 1608[0603] | Res1 | Res1 | R23 | Resistor | 6.8K |
| SO_14 | TL074 | TL074 | U1 | | |
| SO_14 | EM78 | EM78 | U2 | | |
| SO-16_L | ST202 | ST202 | U3 | | |
| jingzhen | 4M | XTAL | Y1 | Crystal Oscillator | |

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**Approved**      **Notes**