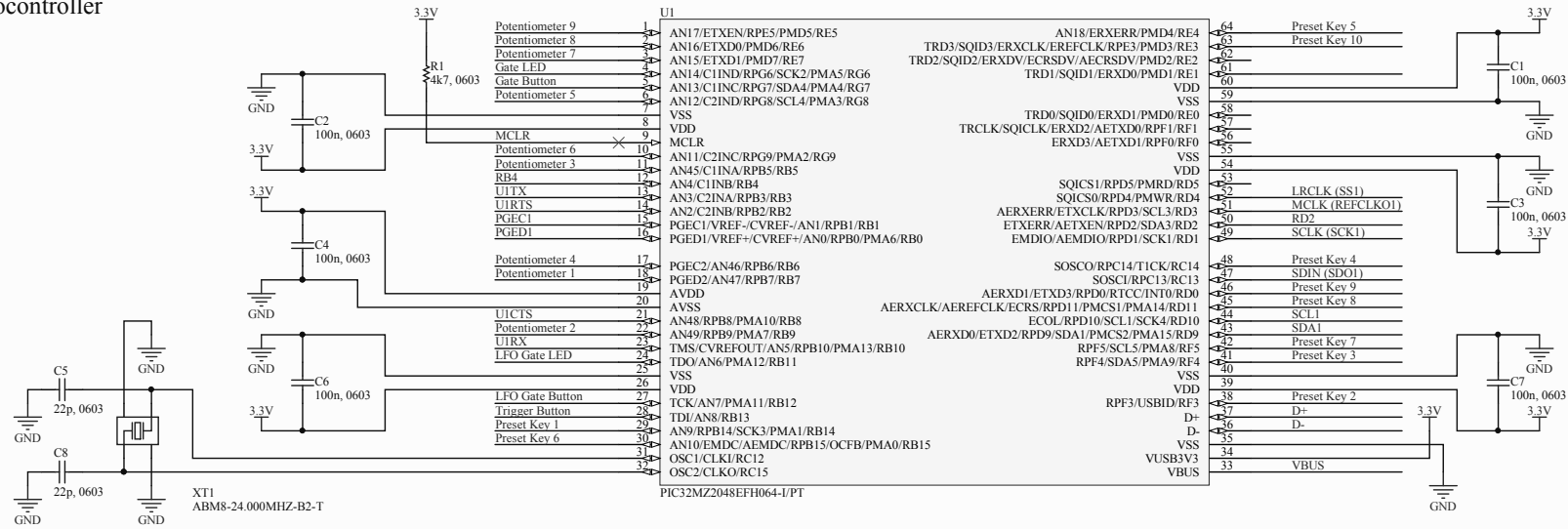
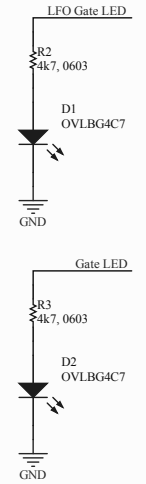


| Designator | Quantity | Comment | Footprint |
|---|----------|------------------------|-------------------|
| C1, C2, C3, C4, C6, C7, C15, C17, C21 | 9 | 100n, 0603 | Capacitor 0603 |
| C5, C8 | 2 | 22p, 0603 | Capacitor 0603 |
| C9, C10, C11, C12, C13, C14, C16, C18 | 8 | 2u2, 0603 | Capacitor 0603 |
| C19, C20 | 2 | 2n2, 0603 | Capacitor 0603 |
| D1, D2 | 2 | OVLBG4C7 | LED 3mm |
| D3 | 1 | SA1 | DO-214AC |
| J1 | 1 | PJ-051A | PJ-051A |
| J2 | 1 | SSW-116-02-G-D-RA | SSW-116-02-G-D-RA |
| J3 | 1 | SJ1-3525NG | SJ1-3525NG |
| R1, R2, R3, R13, R14 | 5 | 4k7, 0603 | Resistor 0603 |
| R4, R5, R6, R7, R8, R9, R10, R11, R12 | 9 | 10k, RV09ACF-40 | RV09ACF-40 |
| R15, R16 | 2 | 470R, 0603 | Resistor 0603 |
| S1, S2, S3, S4, S5, S6, S7, S8, S9, S10 | 10 | MX1A-E1NW | MX1A |
| S11, S12, S13 | 3 | FSM14JHX | FSM14JHX |
| U1 | 1 | PIC32MZ2048EFH064-I/PT | TQFP64 |
| U2 | 1 | UA78M33CDCY | SOT-223 |
| U3 | 1 | UA78M05CDCY | SOT-223 |
| U4 | 1 | CS4354 | SOIC14 |
| U5 | 1 | 24AA32A-I/SN | SOIC8 |
| XT1 | 1 | ABM8-24.000MHZ-B2-T | ABM8 |
| | | | |

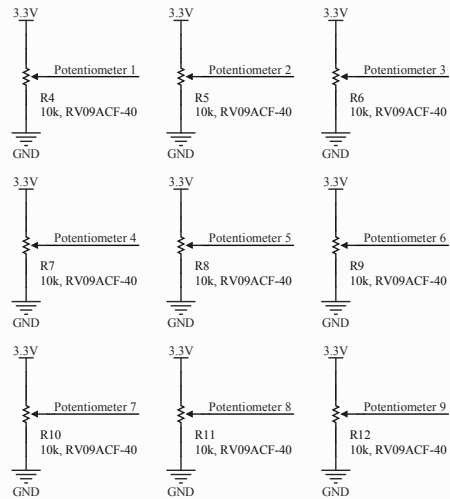
Microcontroller



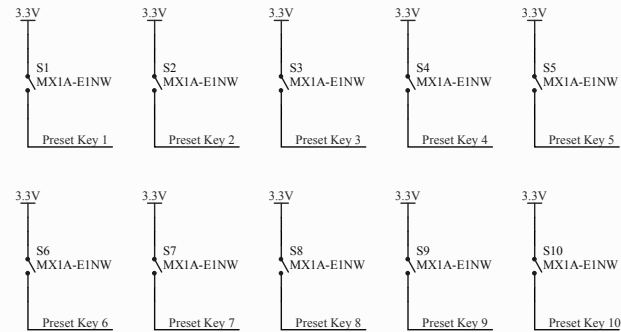
LEDs



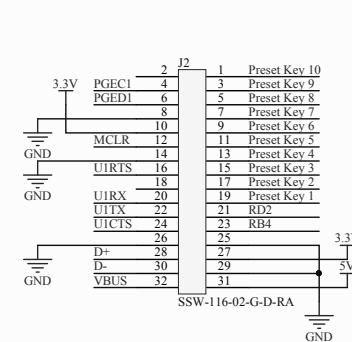
Potentiometers



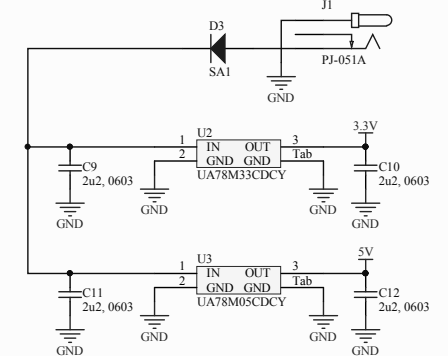
Keys



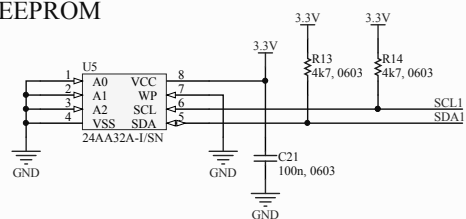
Expansion Connector



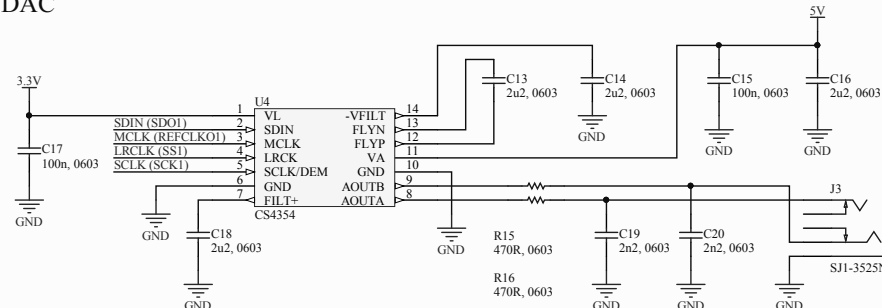
Voltage Regulators



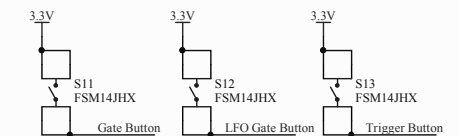
EEPROM



Audio DAC



Buttons



| Title | | |
|-------|--------------------------|-----------|
| Size | Number | Revision |
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| Date: | 23/10/2017 | Sheet of |
| File: | C:\MyFiles\Sheet1.SchDoc | Drawn By: |

