

The schematic diagram illustrates the input stage of the PIC16C55. It features five 4-pin DIP switches (S1 through S6) connected to the PIC pins PIO7, PIO21, PIO20, PIO19, and PIO18. The switches are labeled V+, V-, NEXT, REV, and MFB. A 10K resistor (R16) and a 100nF capacitor (C24) are connected to the common terminal of the switches, which is also connected to a 1V8 supply.

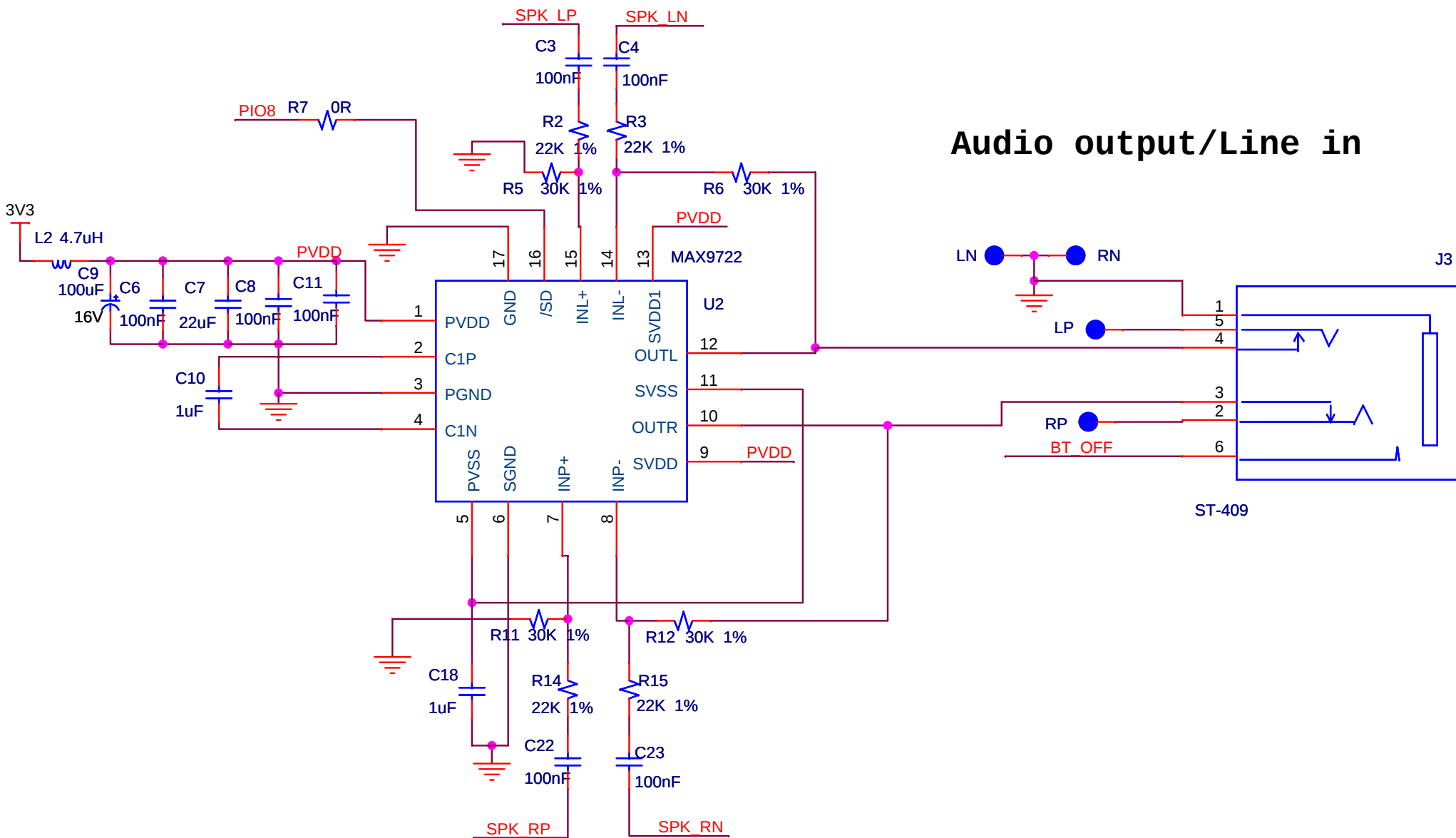
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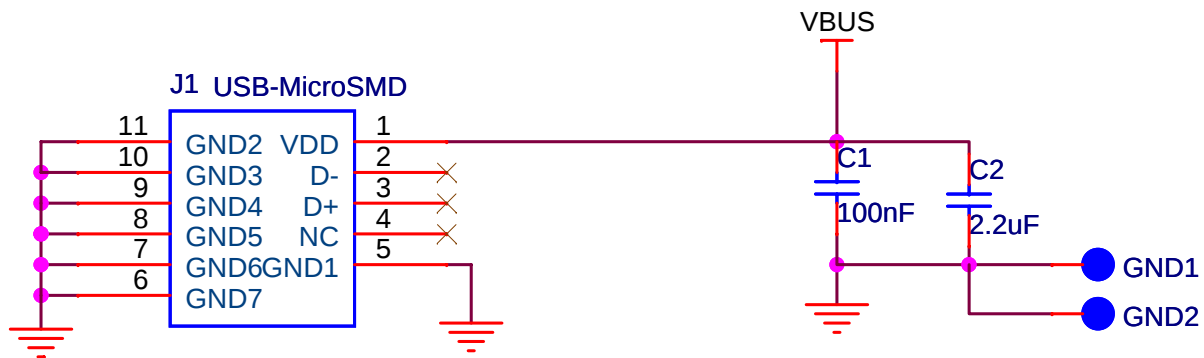
BAT Indicate

The diagram illustrates a battery level indication circuit using the DTM8755A IC. The circuit is powered by a battery (VBAT) connected to a switch (S3) and a resistor network (R21, R22, R24, R25, R28, R30, R31, R33, R34). The DTM8755A IC is configured with VSS to ground, VDD to VBAT, and various pins connected to resistors and capacitors. The output pins (16-19) drive four LEDs (D5-D8) through current-limiting resistors (R17-R20). A 3V3 supply is also shown connected to the IC and the LEDs.

Component List:

- IC: DTM8755A
- Resistors: R21 (10K), R22 (100K 1%), R24 (100K), R25 (100K 1%), R28 (470K), R30 (100K), R31 (200K), R33 (100K), R34 (200K), R17 (1K), R18 (1K), R19 (1K), R20 (1K)
- Capacitors: C28 (1uF), C30 (100nF)
- LEDs: D5 (White), D6 (White), D7 (White), D8 (White)
- Switch: S3
- Buttons: ON, Cing, Ced
- Supply: 3V3





Vbus For Charge

