

R1 power dissipation calculation:
 $P = (I^2)R = (100mA)^2 (10) = 0.1W$

R2 calculation:
 The current should be about 200mA
 $R = 5V/0.2A = 25\text{ ohms}$
 The closest I have with 2 resistors is 21 ohms.
 $I = V/R = 5V/21\text{ohms} = 238mA$
 $P = V \cdot I = (5V)(0.238A) = 1.2W$
 (for a short time)
 $P = (I^2)R = (200mA)^2 (10) = 0.1W$

NOTES:
 -Vcc goes down to 3.6V while on the supercap.
 -The "DFPlayer Mini" works from 3.2V to 5.0V

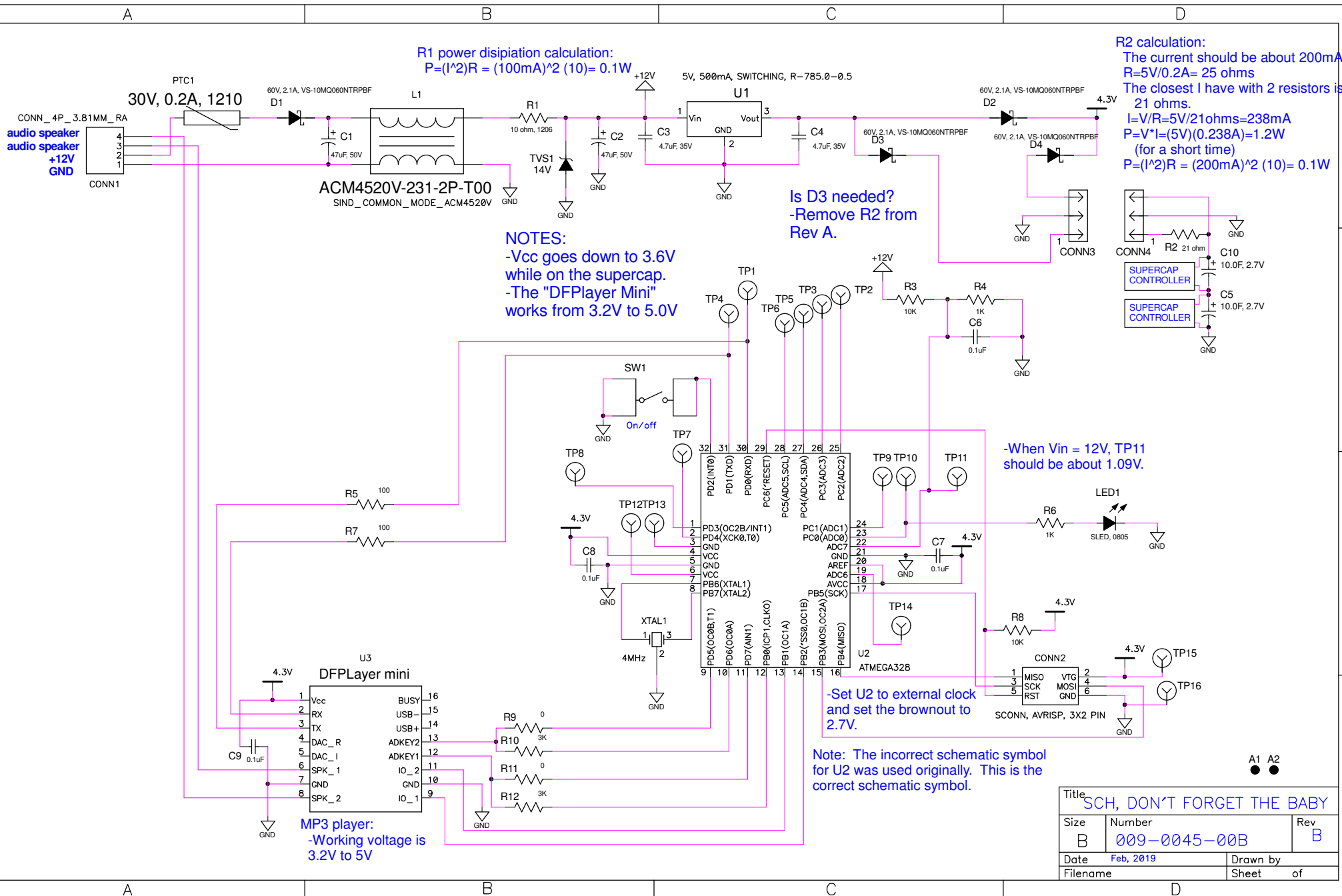
Is D3 needed?
 -Remove R2 from Rev A.

-When Vin = 12V, TP11 should be about 1.09V.

-Set U2 to external clock and set the brownout to 2.7V.

Note: The incorrect schematic symbol for U2 was used originally. This is the correct schematic symbol.

MP3 player:
 -Working voltage is 3.2V to 5V



Title		
SCH, DON'T FORGET THE BABY		
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