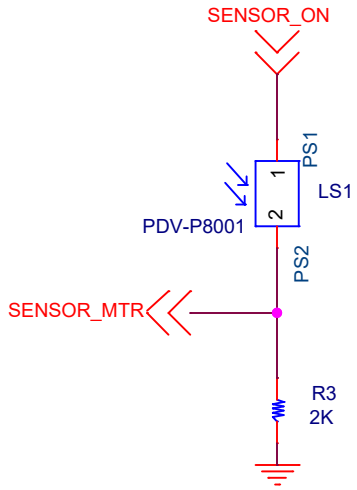
PHOTODIODE



Comments

**SENSOR_ON is for powering purpose of the Photodiode which is obtained from the microcontroller's 9th pin and it can provide enough power to it since it is a high drive DIO

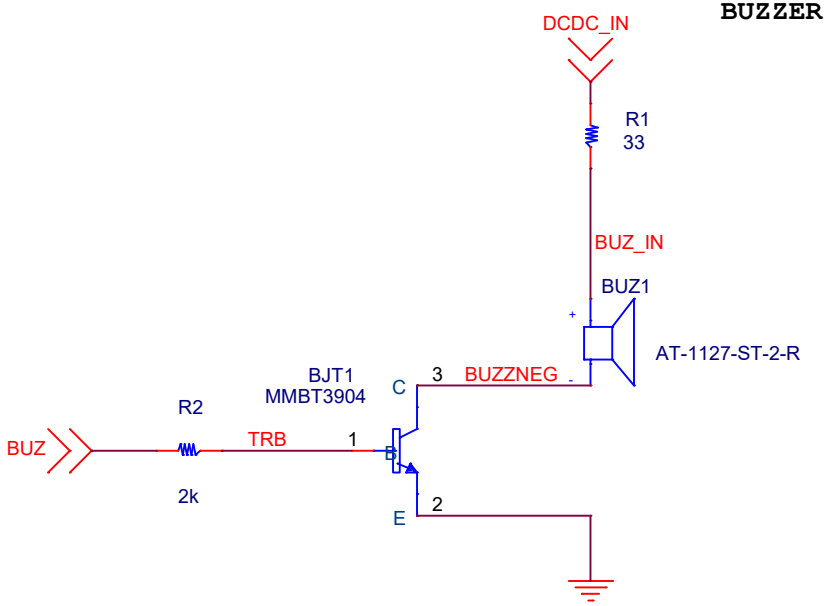
**SENSOR_MTR provides the microcontroller with the value of the photoresistor to measure light intensity and is connected to pin 22 which is a DIO with Analog capabilities

**The Buzzer is connected to a BJT Transistor to act as a switch

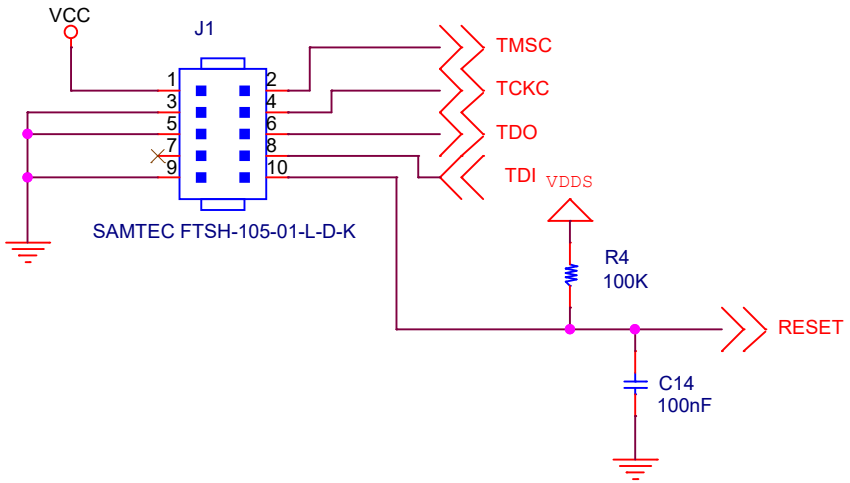
**The Buzzer's + pin is directly connected to the switch to be powered on directly from the battery upon system power ON with a small resistor to compensate for input power control

**The Buzzer should be placed close to the edge of board

BUZZER



JTAG DEBUGGER



**The pins TMSC and TCKC of JTAG are connected to the predefined pins 13 and 14 of the Microcontroller

**The pins TDI and TDO of JTAG are connected to the pins 15 and 16 of the Microcontroller which are High drive DIOs according to the datasheet

**The JTAG should be placed close to the edge of board for external access

Title: Peripherals		
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