Manual Hole Disk Player Function Decomposition Block Diagram Made by: Soundwaves (Team 17) Date: 11/20/2020

Blue = Input Orange = Major Module 2nd Level Diagram Green = Output Component Manual Hole Disk Player (Casing is PLA) **Printed Circuit Board** Audio Data Audio Data Programmer Disk Reader (4-bit) (4-bit) Program/Power Signals (6-bit) Manual Hole Disk (PLA) +3.3V Processor Display Data (ATmega328P) (7-bit) +3.3/5V 9V Battery +9V Supply +3.3V Audio Audio Signal Module Signal udio Speed Audio Speed Data (3-bit) **User Input** Controls +7/5V Audio Speed Motor Pulses Data (3-bit) Drive (4-bit) Motor Pulses **Motor** 

## **3rd Level Diagram**

