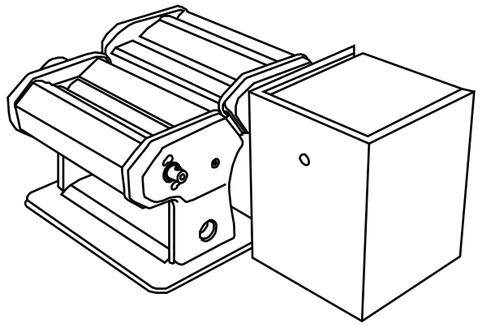
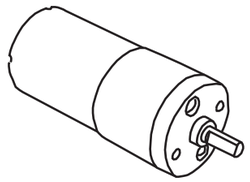
Social currency-Pasta Machine



Arduino code

```
void setup() 0
{
  Serial.begin(9600);
  pinMode(7, OUTPUT);
}


void loop()
{
  unsigned long startMillis= millis();  // Start of sample window
  unsigned int peakToPeak = 0;   // peak-to-peak level

  unsigned int signalMax = 0;
  unsigned int signalMin = 1024;

  // collect data for 50 mS
  while (millis() - startMillis < sampleWindow)
  {
    sample = analogRead(0);
    if (sample < 1024)  // toss out spurious readings
    {
      if (sample > signalMax)
      {
        signalMax = sample;  // save just the max levels
      }
      else if (sample < signalMin)
      {
        signalMin = sample;  // save just the min levels
      }
    }
  }
  peakToPeak = signalMax - signalMin;  // max - min = peak-peak amplitude


  int sendOut = map(peakToPeak, 25, 250, 0, 255);

  sendOut = constrain(sendOut, 125, 255);
  analogWrite(7, sendOut);
  Serial.println(sendOut);


}
```

1



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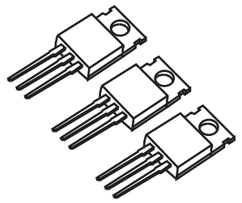

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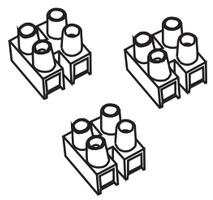

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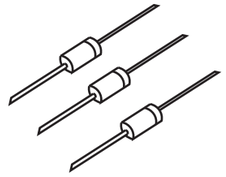

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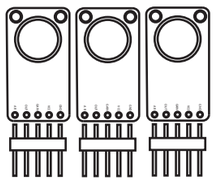

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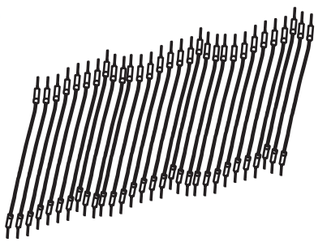

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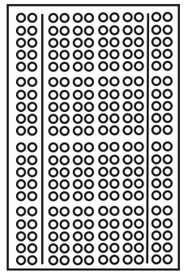

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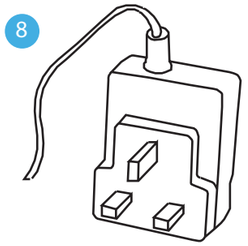

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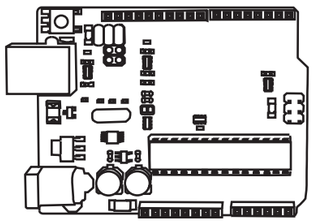

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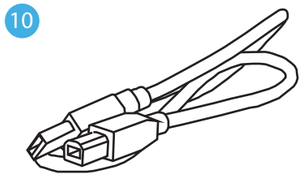

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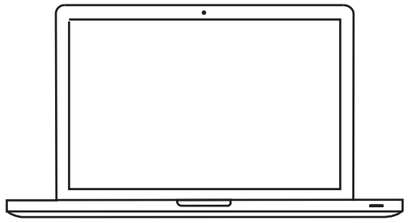
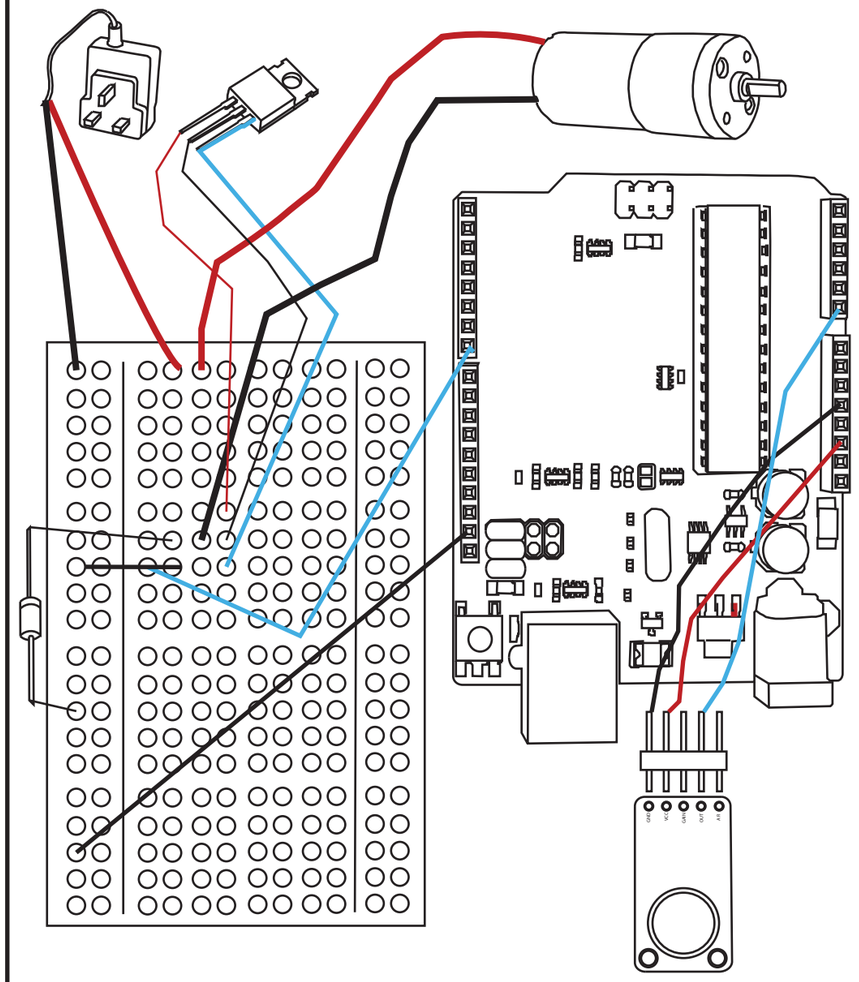


Configuration



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