| Device Name                      | Device Foot Pins |                   | Connection  | Connected to the                 |
|----------------------------------|------------------|-------------------|-------------|----------------------------------|
|                                  | Initial          | Destination       | Cable Color | device                           |
| Breadboard                       | (+)              | 5V                | Red         | LDR: Light<br>Dependent Resistor |
|                                  |                  |                   |             | KY-008: Laser<br>Module 5V       |
|                                  |                  |                   |             | OLED I2C                         |
|                                  |                  | GND               | Black       | STM8S103F3P6                     |
|                                  | (-)              |                   |             | KY-008: Laser<br>Module 5V       |
|                                  |                  |                   |             | OLED I2C                         |
|                                  |                  |                   |             | Resistor                         |
| STM8S103F3P6                     | A2               | GND               |             | RESISTO                          |
|                                  | D3               | S                 | Orange      | KY-008: Laser<br>Module 5V       |
|                                  | В4               | SCL               | Green       | OLED I2C                         |
|                                  | В5               | SDA               | Yellow      |                                  |
|                                  | Micro USB Socket | USB Type A Socket | Random      | Adaptor DC 5V                    |
| LDR: Light<br>Dependent Resistor | GND              | (+)               | Orange      | Resistor                         |