|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **LCD Pins** | **Arduino** |
| 1. | VSS | Ground |
| 2. | VDD | Power Supply |
| 3. | V0 | Potentiometer |
| 4. | RS (Register Select) | Arduino Digital pin 7 |
| 5. | RW (Read & Write) | Ground |
| 6. | Data pin 4 | Arduino Digital pin 5 |
| 7. | Data pin 5 | Arduino Digital pin 4 |
| 8. | Data pin 6 | Arduino Digital pin 3 |
| 9. | Data pin 7 | Arduino Digital pin 2 |
| 10. | An (Anode) | Power Supply |
| 11. | K (Cathode) | Ground |
| 12. | Enable | Arduino Digital |

### **Table 2.** **Connection of Arduino to LCD**

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Ultrasonic Sensor** | **Arduino Pins** |
| 1 | VCC | Power Supply |
| 2 | GND | Ground |
| 3 | TRIG | Arduino Digital pin 12 |
| 4 | ECHO | Arduino Digital pin 8 |

### **Table 3.** **Connection of Arduino to Ultrasonic sensor**

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Input Pins** | **Arduino Pins** |
| 1 | Input Pin 1 (Increase Speed) | Arduino Digital Pin 13 |
| 2 | Input Pin 2 (Decrease Speed) | Arduino Analog Pin 4 |
| 3 | Input Pin 3 (Cruise Control) | Arduino Analog Pin 3 |
| 4 | Input Pin 4 (Adaptive Cruise Control) | Arduino Digital Pin 9 |
| 5 | Input Pin 5 (Cancel Speed) | Arduino Digital Pin 11 |