Arduino UNO R3

- **D3** to **SIM900A (DB9-3 (RXD))**
- **D2** to **SIM900A (DB9-2 (TXD))**
- **5V** to **LCD 16x2 (VDD), SIM900A (VCC)**
- **GND** to **LCD 16x2 (VSS) ,LCD 16x2 (RW), SIM900A (GND), 9V Battery (-)**
- **D7** to **4X4 Membrane Matrix Keypad (R1)**
- **D6** to **4X4 Membrane Matrix Keypad (R2)**
- **D5** to **4X4 Membrane Matrix Keypad (R3)**
- **D4** to **4X4 Membrane Matrix Keypad (R4)**
- **D11** to **4X4 Membrane Matrix Keypad (C1)**
- **D10** to **4X4 Membrane Matrix Keypad (C2)**
- **D9** to **4X4 Membrane Matrix Keypad (C3)**
- **D8** to **4X4 Membrane Matrix Keypad (C4)**
- **A0** to **LCD 16x2 (RS)**
- **A1** to **LCD 16x2 (E)**
- **A2** to **LCD 16x2 (D4)**
- **A3** to **LCD 16x2 (D5)**
- **A4** to **LCD 16x2 (D6)**
- **A5** to **LCD 16x2 (D7)**
- **Vin** to **9V Battery (+)**

4*4 Membrane Matrix Keypad

- **R1** to **Arduino UNO (D7), C1** to **Arduino UNO (D11)**
- **R2** to **Arduino UNO (D6), C2** to **Arduino UNO (D10)**
- **R3** to **Arduino UNO (D5), C3** to **Arduino UNO (D9)**
- **R4** to **Arduino UNO (D4), C4** to **Arduino UNO (D8)**

LCD 16*2

- **VDD** to **Arduino UNO (5V)**
- **VSS** to **Arduino UNO (GND)**
- **RW** to **Arduino UNO (GND)**
- **RS** to **Arduino UNO (A0)**
- **E** to **Arduino UNO (A1)**
- **D4** to **Arduino UNO (A2)**
- **D5** to **Arduino UNO (A3)**
- **D6** to **Arduino UNO (A4)**
- **D7** to **Arduino UNO (A5)**

SIM900A

- **DB9-3 (RXD)** to **Arduino UNO (D3)**
- **DB9-2 (TXD)** to **Arduino UNO (D2)**
- **VCC** to **Arduino UNO (5V)**
- **GND** to **Arduino UNO (GND)**
- **5VT** to **Loudspeaker (pin1)**
- **5VR** to **Loudspeaker (pin2)**
- **3VT** to **Condenser Microphone (pin1)**
- **3VR** to **Condenser Microphone (pin2**

9V Battery

- **+** to **Arduino UNO (Vin)**
- **-** to **Arduino UNO (GND)**