

4X4 Keypad Membrane Switch

ARD2-2116

- 16 Alphanumeric inputs for your Arduino
- Ribbon connector for easy installation

Description

This membrane keypad features a 4x4 matrix of buttons. It comes with adhesive paper on the back of the remote so that it can be easily attached to most flat surfaces. The keypad has a 8-pin ribbon cable for flexibility and easy connection to a microcontroller. This keypad is an excellent addition to any Arduino DIY project requiring alphanumeric inputs.

Specifications

| | |
|-------------------------------|--------------------------|
| Vibration | 20g max. |
| Rebound time | 1 ms |
| Key Operating Force | 150~200N |
| Key Emboss Height | 0.6~1.5mm |
| Circuit Rating | 35VDC, 100mA, 1W |
| Contact Resistance | 10~500 |
| Cable/connector Length | 85mm |
| Dielectric Strength | 250VRms (50~60Hz 1 min.) |
| Operating Temperature | -40°C – +80°C |
| Electric Shock Jitter | <5ms |

Pinout

| Keypad | Arduino | Function |
|--------|---------|-------------------|
| 1 | D2 | Button Connection |
| 2 | D3 | Button Connection |
| 3 | D4 | Button Connection |
| 4 | D5 | Button Connection |
| 5 | D6 | Button Connection |
| 6 | D7 | Button Connection |
| 7 | D8 | Button Connection |
| 8 | D9 | Button Connection |

Note: With the keypad face up, the wires connect in sequence from left to right to Arduino digital pins 2–9.

