4x3 Matrix Membrane Keypad

Punch in your secret key into this numeric matrix keypad. This keypad has 12 buttons, arranged in a telephone-line 3x4 grid. It's made of a thin, flexible membrane material with an adhesive backing (just remove the paper) so you can attach it to nearly anything. The keys are connected into a matrix, so you only need 7 microcontroller pins (3-columns and 4-rows) to scan through the pad. Check the tutorials tab for links to an Arduino library and example code.

We include a 7-pin extra-long header strip so you can plug this into a breadboard with ease.

TECHNICAL DETAILS

- Pad Size: 69.2 x 76.9 x 0.8mm
- Cable Length: 3-1/3" or 86mm (include connector)
- Connector: Dupont 7 pins, 0.1" (2.54mm) Pitch
- Mount Style: Self-Adherence
- Max. Circuit Rating: 35VDC, 100mA
- Insulation Spec.: 100M Ohm, 100V
- Dielectric Withstand: 250VRms (60Hz, 1min)
- Contact Bounce: <=5ms
- Life Expectancy: 1 million closures
- Operation Temperature: -20 to 40 °