



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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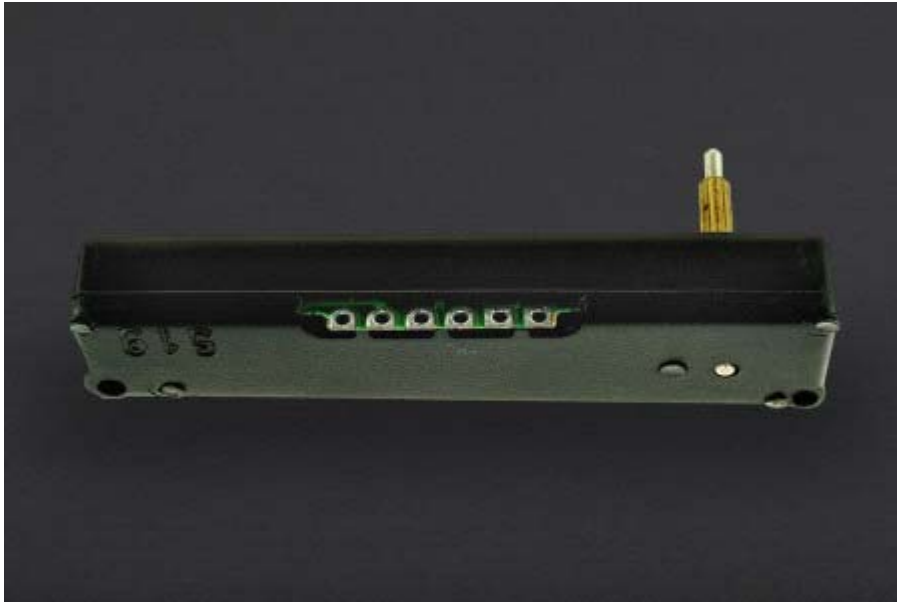
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## Memory Metal Actuator - NM70R (2P)

SKU: FIT0258



### INTRODUCTION

Shape Memory metals that were developed by NASA for the space industry, and have been used for increasing applications down on earth. For example, there have been limited studies on using these materials in robotics. They make it possible to create very light robots.

Tiny, silent, and lightweight at just 4.2 grams, NanoMuscle Rotary shape memory alloy actuators provide 60° of rotation using a linear NM70-Super memory metal actuator encapsulated in a body with a spring-loaded, cam-action rotary output. The NanoMuscle Rotary actuators come in two different versions: the 2-pin NM70R-2P, and the 6-pin NM70R-6P. The -2P actuator 'bounces' between limit stops when connected to a power source, and the -6P provides greater control, with access to end limit sensors, and can be driven by the MADv5 (sold separately). Operating voltages are ~3-9V. Refer to the Downloads page for additional details.

### APPLICATIONS

- Automotive
- Bi-directional grill louver mechanism
- Fuel tank door release mechanism

- Trunk, glove compartment release mechanism
- Consumer
- Memory card ejector
- Electronic latch release
- Security doors and locks
- Biometric sensor assist
- Hobby/Miscellaneous
- Grasping device
- Undersea Core Sampling Robot
- Point Of Use sale items
- Latch release for ROVs
- Pneumatic actuator replacement

## **SPECIFICATION**

- Operating voltages: 3-9v
- Rotation up to 60 degrees in either direction
- 2 pin version gives you direct on/off control
- Simply apply 3-6V at 350mA and the rotary will turn
- Size: 50x10x15mm (1.97x0.39x0.59")
- Weight: 4.2g