

# M061 4 SERVO CONTROLLER BOARD

Our 4 Servo Controller Board is a solution for controlling upto 4 Servos via onboard preset or potentiometer.

- Microcontroller based design for greater flexibility and ease of control
- Individual servo controlled via onboard preset or external potentiometer
- Power supply input 5 to 6 VDC
- Screw terminal connector for easy connection of the input power supply
- Protection diode for reverse supply
- Berg connector for connection of Servos
- Power-On LED indicator
- Four mounting holes of 3.2 mm each
- PCB dimensions 57 mm x 65 mm



## Connector Description :

- CN1 Connector : External Potentiometer Connection for Servo 1
- CN2 Connector : External Potentiometer Connection for Servo 2
- CN3 Connector : External Potentiometer Connection for Servo 3
- CN4 Connector : External Potentiometer Connection for Servo 4
- CN5 Connector : Connection for Servo 1
- CN6 Connector : Connection for Servo 2
- CN7 Connector : Connection for Servo 3
- CN8 Connector : Connection for Servo 4
- CN9 Connector : Power Supply Input 6 VDC

D3 LED : Power-On LED indicator

Note : Use C2 & C3 when X1 is Crystal

| SR. | QTY. | REF.            | DESCRIPTION                     |
|-----|------|-----------------|---------------------------------|
| 1   | 4    | CN1,CN2,CN3,CN4 | 3 PIN BERG CONNECTOR - OPTIONAL |
| 2   | 4    | CN5,CN6,CN7,CN8 | 3 PIN BERG CONNECTOR            |
| 3   | 1    | CN9             | 2 PIN SCREW TERMINAL CONNECTOR  |
| 4   | 1    | C1              | 0.1uF                           |
| 5   | 2    | C2,C3           | OMIT                            |
| 6   | 1    | C4              | 1000uF/16V                      |
| 7   | 1    | C5              | 47uF/25V                        |
| 8   | 1    | D1              | 1N4148                          |
| 9   | 1    | D2              | 1N4007                          |
| 10  | 1    | D3              | RED LED                         |
| 11  | 4    | PR1,PR2,PR3,PR4 | 10K PRESET                      |
| 12  | 1    | R1              | 1K                              |
| 13  | 1    | R2              | 470E                            |
| 14  | 1    | U1              | AK28M061                        |
| 15  | 1    | X1              | 4MHz RESONATOR                  |
| 16  | 1    | SOCKET          | 28-N PIN DIP IC SOCKET          |

