

# CAT# SMKIT-2 STEPPER MOTOR DRIVER 12V

1. Insert R1-8 and R10-12, solder and trim
2. Insert C1-3 (note polarity on C1&2, position positive leads towards R-12), solder and trim.
3. Insert ICs 1-4 (note mounting direction as shown on parts layout), solder and trim.
4. INSERT T1-12 (note mounting direction), solder and trim. 4 pcs. T1-4 & 8 pcs T5-12.
5. Install switches 1-3, solder
6. Install R9 pot, solder and trim
7. Insert D1-4 (note flat side & compare to parts layout), solder and trim.
8. Insert motor leads (colors as shown), trim off wires not being used.
9. Insert 12 Vdc power leads (note polarity markings on board).

**Please read through the instructions and check your parts before you begin. 12V motor supplied with kit.**

## **PARTS LIST**

|             |                |
|-------------|----------------|
| R1-8, 10-12 | 1K Ohm         |
| R9          | Pot 50K        |
| C1          | 10 uf Cap      |
| C2          | 1 uf Cap       |
| C3          | .001 Cap       |
| SW 1,2      | Slide switch   |
| SW3         | Push button    |
| IC1         | Not marked     |
| IC2         | 2 dots         |
| IC3         | Regulator 7805 |
| IC4         | IC555          |
| T1-4        | P type Xistor  |
| T5-12       | N type Xistor  |
| D1-4        | LEDs           |
| Knob        |                |
| 12V motor   |                |
| Wire        |                |

