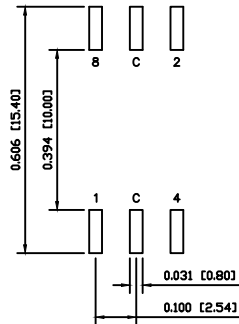


SUGGESTED PCB LAYOUT



**PACKAGING**  
 PACKAGING TYPE:  
 Tube  
 TUBE QUANTITY:  
 48 Pieces

**SCHEMATIC**

| POSITION | TERMINAL |   |   |   |
|----------|----------|---|---|---|
|          | 1        | 2 | 4 | B |
| 0        |          |   |   |   |
| 1        | ●        |   |   |   |
| 2        |          |   |   |   |
| 3        | ●        | ● |   |   |
| 4        |          |   |   | ● |
| 5        | ●        |   |   |   |
| 6        |          | ● | ● |   |
| 7        |          | ● | ● |   |
| 8        |          | ● | ● | ● |
| 9        | ●        |   |   | ● |

● CLOSED (Connected to C)

**SPECIFICATIONS**

**FUNCTION:**  
1P10T

**RATINGS:**  
Switching: 25mA 24VDC  
Steady: 100mA 50VDC

**OPERATING FORCE:**  
400gfcm

**CONTACT RESISTANCE:**  
Initial: 100mΩ Max.  
After Life: 200mΩ Max.

**INSULATION RESISTANCE:**  
100MΩ Min. at 250VDC

**DIELECTRIC STRENGTH:**  
250VAC For 1 Minute

**CAPACITANCE:**  
5pF Max.

**SHOCK RESISTANCE:**  
Mil-Std. 202F, Method 213B  
Gravity: 50G, 11msec.  
Direction: 6 Sides  
Times: 3 Each Direction  
High Reliability

**VIBRATION RESISTANCE:**  
Mil-Std. 202F, Method 201A  
Frequency: 10-55-10Hz/1 Minute  
Direction: X, Y, Z  
Time: 2 Hours Each Direction  
High Reliability

**ELECTRICAL LIFE:**  
20,000 Steps

**TEMPERATURE:**  
Storage: -40°C to 85°C  
Operation: -25°C to 80°C

**APPROVALS:**  
RoHS COMPLIANT LEAD FREE PROCESS COMPATIBLE

**COLORS**

**BASE:**  
Black  
**ACTUATOR:**  
White  
**MARKING COLOR:**  
White

**MATERIALS**

**BASE:**  
Polyamide 9T (PA9T), UL94 V-0  
**COVER:**  
Polyamide 9T (PA9T), UL94 V-0  
**ACTUATOR:**  
Liquid Crystal Polymer (LCP), UL94 V-0  
**SPRINGS:**  
Stainless Steel  
**CONTACTS:**  
Gold Over Nickel Plated Phosphor Bronze  
**TERMINALS:**  
Gold Over Nickel Plated Brass

|                |      |          |     |
|----------------|------|----------|-----|
| ACTUATOR       | A    | 09/11/18 | CAB |
| BODY           | A    | 09/11/18 | CAB |
| MATERIALS      | A    | 09/11/18 | CAB |
| PACKAGING      | A    | 09/11/18 | CAB |
| SPECIFICATIONS | B    | 10/04/07 | CAB |
| REFERENCE      | REV. | DATE     | BY  |

THE INFORMATION CONTAINED IN THIS DOCUMENT IS PROPRIETARY TO E-SWITCH AND IS NOT TO BE COPIED OR TRANSFERRED

|      |   |                        |       |        |          |
|------|---|------------------------|-------|--------|----------|
| REV. | A | RELEASE FOR PRODUCTION | 22423 | 8/2/16 | MW       |
|      |   | DESCRIPTION            | PCR   | DATE   | DRAWN BY |

|                      |            |
|----------------------|------------|
| DIMENSIONS           |            |
| INCHES [MILLIMETERS] |            |
| GENERAL TOLERANCES   |            |
| ±0.008 [±0.2] / ±1'  |            |
| SCALE                | PROJECTION |
| DRAWING NOT TO SCALE | ⊞          |

**E-SWITCH®**

**DR3M10RB**

|                |        |          |
|----------------|--------|----------|
| DRAWING NUMBER | DATE   | REVISION |
| 06-DR3M10RB    | 8/2/16 | A        |