



SUGGESTED PCB LAYOUT

PACKAGING TYPE:  
Tape and Reel  
REEL QUANTITY:  
750 Pieces

SCHEMATIC

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

● CLOSED (connected to G)

SCHEMATIC

SPECIFICATIONS

FUNCTION:  
1P10T

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

OPERATING FORCE:  
400gf/cm

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:  
Min-Std 202F Method 213B  
Gravity: 50G, 11msac.  
Direction: 6 Sides  
Times: 3 Each Direction  
High Reliability

VIBRATION RESISTANCE:  
Min-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: -40C to 85C  
Operation: -25C to 80C

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

COLORS

BODY:  
Block  
ACTUATOR:  
White  
MARKING COLOR:  
White

MATERIALS

BASE:  
Polyimide 9T (PA9T), UL94 V-0

COVER:  
Polyimide 9T (PA9T), UL94 V-0

ACTUATOR:  
Liquid Crystal Polymer (LCP), UL94 V-0

SPRINGS:  
Stainless Steel

CONTACTS:  
Cold Over Nickel Plated Phosphor Bronze

TERMINALS:  
Cold Over Nickel Plated Brass



DR3M10RT

ACTUATOR BODY	DATE	BY
A	09/11/16	CAB
A	09/11/16	CAB
A	09/11/16	CAB
B	10/04/07	CAB

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

RELEASE FOR PRODUCTION DESCRIPTION

DATE	BY
10/27/13	DRM
10/27/13	DRM

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

PROJECTION DRAWING NUMBER 06-DR3M10RT

DATE JULY 13, 2010 REVISION A

