

SPECIFICATIONS

CONTACT RATING: Dependent upon contact material See Page 29.

MECHANICAL LIFE: 30,000 make-and-break cycles. CONTACT RESISTANCE: 20 m Ω max. initial @ 2-4VDC

100mA for both silver and gold plated contacts.

INSULATION RESISTANCE: 1,000 M Ω min.

DIELECTRIC STRENGTH: 1.000 Vrms min.@sea level.

OPERATING TEMPERATURE: -40°C to 85°C.

MATERIALS

CASE: Diallyl phthalate (DAP) (UL94v-0).
ACTUATOR: Brass, chrome plated.
BUSHING: Brass or zinc, nickel plated.

HOUSING: Stainless Steel.

SWITCH SUPPORT: Brass,tin plated.

TERMINAL/CONTACT: Brass or copper alloy, with Silver or gold

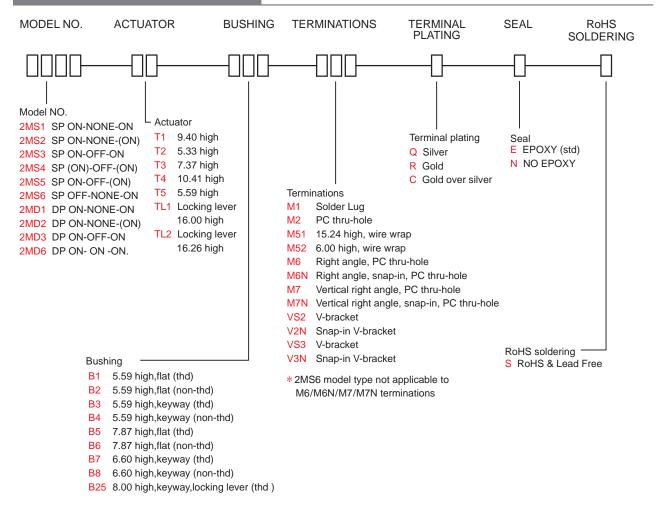
plated.(See Page 29)

.**/**/





HOW TO ORDER



SWITCH FUNCTION

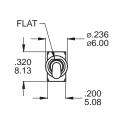
			SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
NO. POLES	MODEL NO.	MODEL NO.	POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
			À		#),	.	.
SP	Q2211	2MS1	ON	NONE	ON			
	Q2212	2MS2	ON	NONE	(ON)	2-3	N/A	2-1
	Q2213	2MS3	ON	OFF	ON	₹2 (COMM)		№ 2 (COMM)
	Q2214	2MS4	(ON)	OFF	(ON)	1. 3	OPEN	1 • 3
	Q2215	2MS5	ON	OFF	(ON)			
	Q2216	2MS6	OFF	NONE	ON	OPEN	N/A	3-1
DP	Q2221	2MD1	ON	NONE	ON	2-3,5-6	N/A	2-1,5-4
	Q2222	2MD2	ON	NONE	(ON)	•2 (COMM) 5•	19/74	2(COMM) 5p
	Q2223	2MD3	ON	OFF	ON	1• 3 4• 6	OPEN	1 4 6
A	Q2226	2MD6	ON	ON	ON	2-3,5-6	2-3,5-4	2-1,5-4

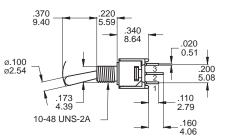
()=MOMENTARY

▲ Please check the availability in advance before order

POLE OPTIONS







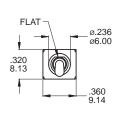


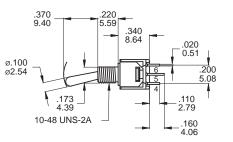
SPDT

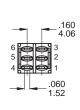
Part No. Shown: 2MS1T1B1M1QES

2MS6 Models: Omit 2nd terminal









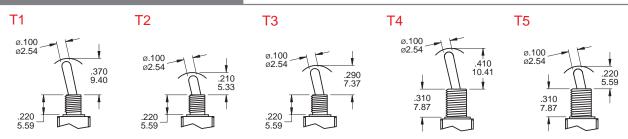
DPDT

Part No. Shown: 2MD1T1B1M1RES

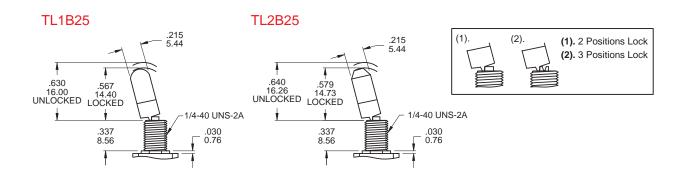
ACTUATOR OPTIONS

T

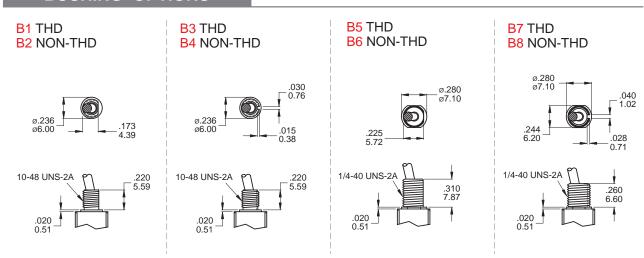
2M Toggle Switches



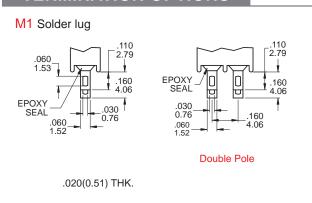
NONE: T1,T2,T3 Actuator shown with B1 to B4 bushing, subtract 0.09 (2.29) for B5 bushing, subtract 0.04 (1.02) for B7 bushing. T4,T5 Actuator shown with B5,B6 bushing, add 0.09 (2.29) for B1 to B3 bushing, add 0.05 (1.27) for B7 bushing. Std for M1,M2 Terminal sub .016(.040) for M6,M7,VSX

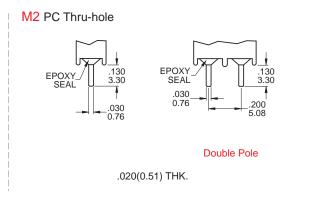


BUSHING OPTIONS

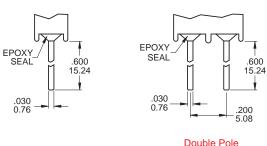


TERMINATION OPTIONS







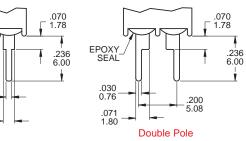


.020(0.51) THK.

Double Pole

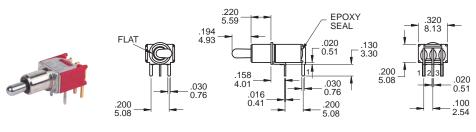
.070 1.78 EPOXY SEAL .236 6.00 .030 0.76 .060 1.50

M52 Wire Wrap



.020(0.51) THK.

M6

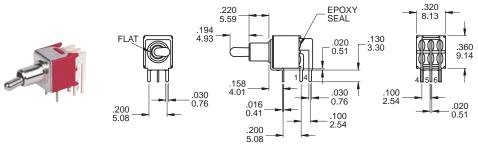


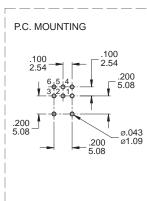
P.C. MOUNTING

SPDT

Part No. Shown: 2MS1T2B2M6RES

M6

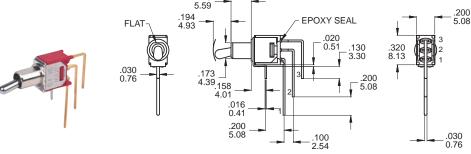




DPDT

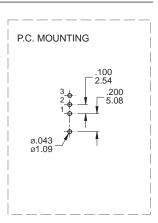
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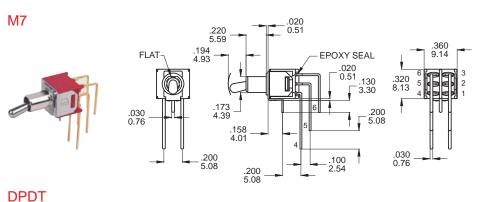


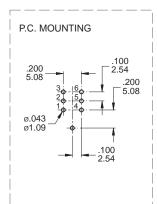
SPDT

Part No. Shown: 2MS1T2B2M7RES

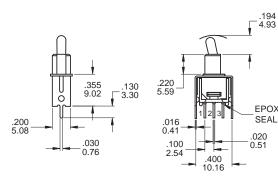


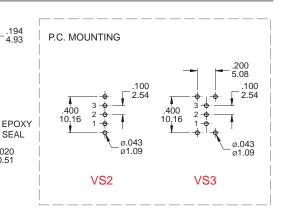
2M Toggle Switches







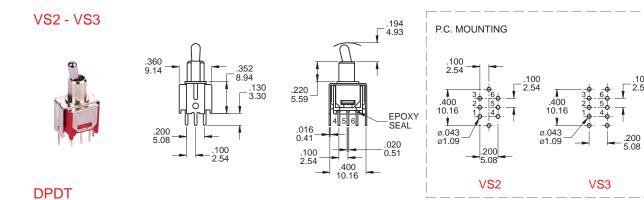




SPDT

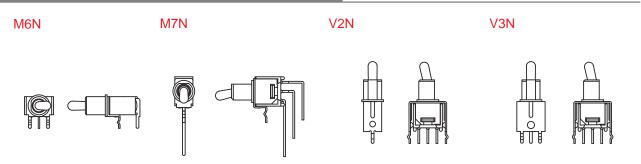
Part No. Shown: 2MS1T2B2VS2QES

Part No. Shown: 2MD1T2B2M7RES



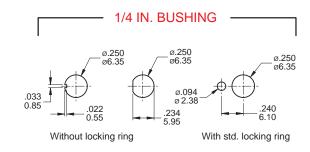
SNAP-IN TERMINATION OPTIONS

Part No. Shown: 2MD1T2B2VS2QES



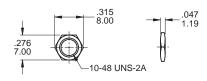
Toggle Switches

PANEL MOUNTING



HARDWARE

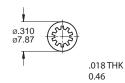
10-48 NUT



MNU-2M01

Supplied standard with B1/B3 bushing

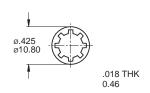
LOCKWASHER



MNU-2M03

Supplied standard with B1 / B3 bushing

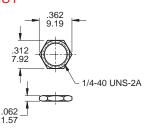
LOCKWASHER



MNU-1M03

Supplied standard with B5 / B7 bushing

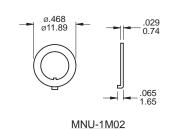
1/4 NUT



MNU-1M01A

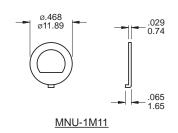
Supplied standard with B5/ B7 bushing

LOCKING RING



Supplied standard with B7 bushing

LOCKING RING



Supplied standard with B5 bushing

CONTACT MATERIAL OPTIONS

	CONTACT PLATING	TERMINAL PLATING	RATINGS
Q	Silver	Silver	3 Amps with resistant load @ 120VAC or 28VDC
С	Gold over Silver	Gold over silver	1 Amps with resistant load @ 250VAC
R	Gold	Gold	0.4 Volt - Amps (VA) max. @ 20V max. (AC or DC)

SOLDERING PROCESSES

MANUAL SOLDERING: Use soldering iron of 30 watts, controlled at 350°C

approximately 5 seconds while applying solder.

WAVE SOLDERING: Recommended Soldering Temperature: 270 ± 5°C

Duration of Solder Immersion: Max 5 sec. (PCB is 1.6mm in thickness)

Mouser Electronics

Authorized Distributor

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2MD1T1B1M1QES 2MD1T1B1M2QES 2MD1T1B3M2QES 2MD1T2B2M6QES 2MD1T2B3M1QES 2MD1T2B3M1QES 2MD1T2B3M2QES 2MD1T2B4M2QES 2MD1T3B1M7QES-5 2MD3T1B1M2QES 2MD3T1B3M2QES 2MD3T2B3M2QES 2MS1T1B1M1QES 2MS1T1B1M1QNS 2MS1T1B1M2QES 2MS1T1B2M6RES 2MS1T1B2VS2QES 2MS1T1B3M2QES 2MS1T1B4M2QES 2MS1T1B4M7QES 2MS1T2B2M2RES 2MS1T2B2M6QES 2MS1T2B2M6RES 2MS1T2B3M1QES 2MS1T2B3M2QES 2MS1T2B4M2QES 2MS1T2B4M6QNS 2MS1T4B3M2CES 2MS3T1B1M1QES 2MS3T1B1M2QES 2MS3T1B3M2QES 2MS3T1B4M2QES 2MS3T2B4M6QES 2MS3T2B1M2QES 2MS3T2B3M1QES 2MS3T2B3M1QES 2MS3T2B3M1QES 2MS3T2B3M1QES 2MS3T2B3M2QES 2MS6T1B3M2QES 2MS6T2B4M2QES 2MS6T4B3M2CES
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