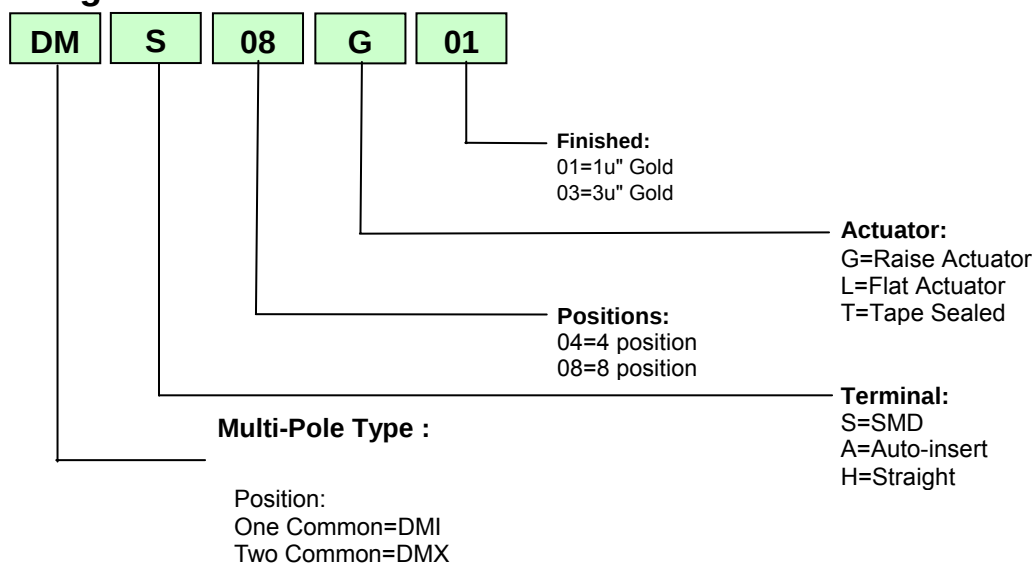


MODEL	SPECIFICATION RoHS Compliant DIP SWITCH	SP-001	Page
DM series			
Multi-Pole Type			1/7

Ordering Information:



Specifications

◆ Contact Rating	Switching..... 25mA, 24VDC
	Non-Switching.....100mA, 50VDC
◆ Contact Resistance	Initial.....50mΩ Max.
	After Life Test.....100mΩ Max.
◆ Insulation Resistance	100MΩ Min. at 500VDC
◆ Dielectric Strength	500VDC / 1 minute
◆ Operation Force	1,000g max
◆ Travel :	0.9mm
◆ Mechanical Life	 3,000 cycles (Min.)
◆ Electrical Life	 1,000 cycles 25mA, 50VDC
◆ Operation Temperature	-40°C ~ +85°C
◆ Storage Temperature	-40°C ~ +85°C

MODEL	SPECIFICATION RoHS Compliant DIP SWITCH	SP-002	Page
DM series			
Multi-Pole Type			2/7

Soldering Information

◆ Hand Soldering

Soldering iron 30W or under at 350 for 3 sec max or at 270 for 5 sec max.

◆ Reflow Soldering

(1) Gold-plated series available 2~3 times process

(2) Tin-plated series available 1 time process

(3) 260 ± 5 within 60 sec for reflow. In-line or Batch system. Apply reflow soldering only.

(4) Vapor Phase Heating (VPH) switch must with Tape sealed type

◆ Wave Soldering

For lead free wave solder simulation of typical components, the solder bath temperature Shall be maintained to 275 .

The hold time in the solder shall be 10 +2/-0 seconds.

◆ Keep all actuators in " OFF " position during soldering and cleaning process.

Classification Reflow Profiles

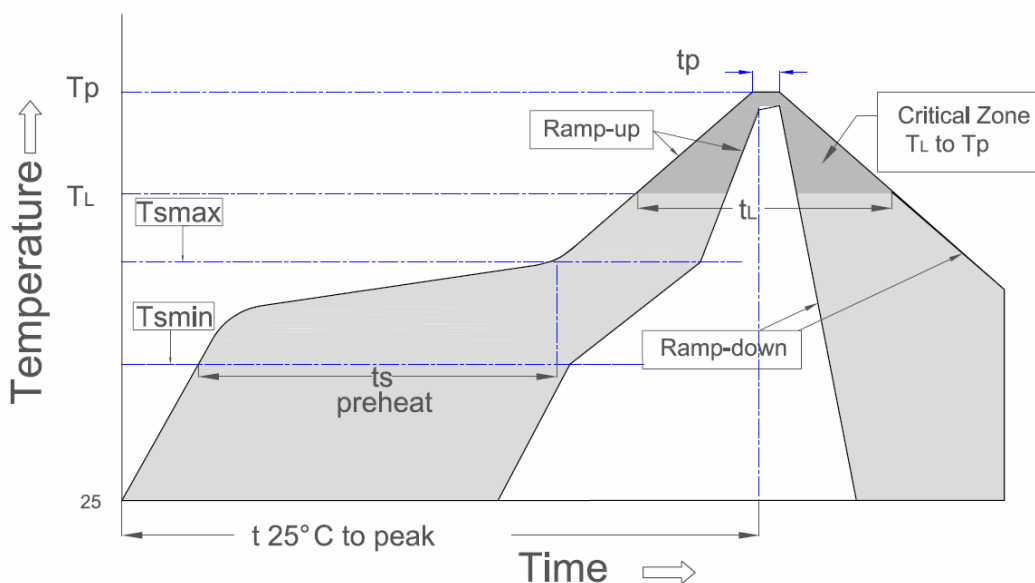
Profile Feature	Pb-Free Assembly
Average Ramp-Up Rate (T_{smax} to T_p)	3 /second max
Preheat: --Temperature Min (T_{smin}) --Temperature Max (T_{smax}) --Time (T_{smin} to T_{smax}) (ts)	150 200 60 ~ 180 seconds
Time maintained above: --Temperature (T_L) --Time (t_L)	217 60 ~ 150 seconds
Peak/Classification Temperature(T_p)	260 $\pm$ 5
Time within 5 °C of actual peak Temperature (tp)	20~40 seconds
Ramp-Down Rate	6 /second max
Time 25 °C to Peak Temperature	8 minutes max

Note 1: All temperatures refer to topside of the package, measured on the package body surface.

Note 2: Time within 5 °C of actual peak temperature (tp) specified for the reflow profiles is a “supplier” minimum and “user” maximum.

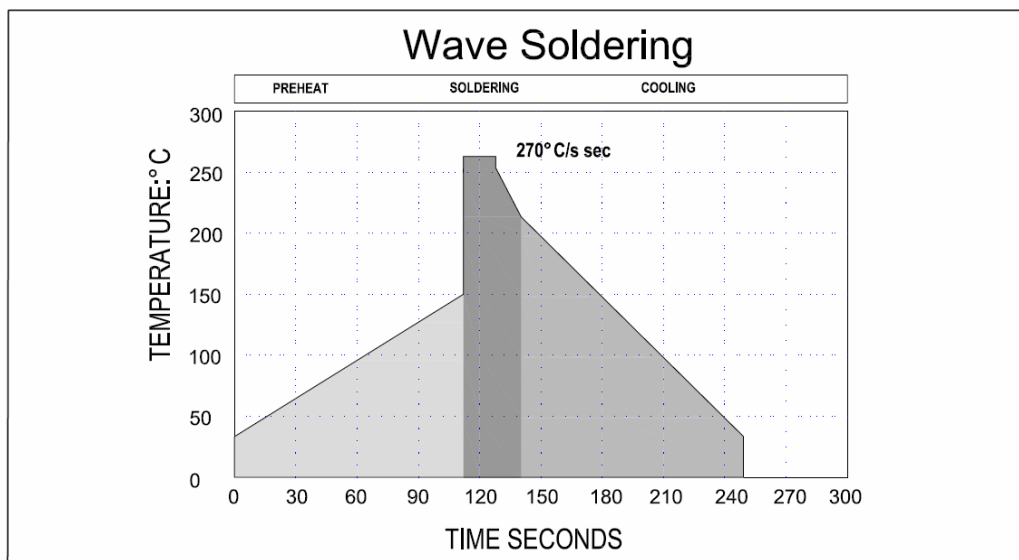
The table refer by IPC/JEDEC J-STD-202C

Reflow Soldering Standard Conditions



MODEL DM series Multi-Pole Type	SPECIFICATION RoHS Compliant DIP SWITCH	SP-004	Page 4/7
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Classification Wave Soldering Profiles



Maximum dwell time in the solder wave (270) shall not exceed 5 seconds.

Switch Operation and Taping

- (1) Use tweezers or ball-point pen for operation.
- (2) Flux cleaning should be done without removing the Tape.
- (3) If the tape is removed, it adheres less than before when it is placed back on, possibly causing flux inflow
- (4) Do Not Remove Tape sealed before Reflow processing
- (5) Ultrasonic cleaning not re-commended.

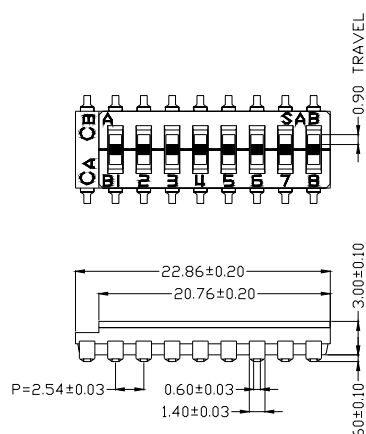
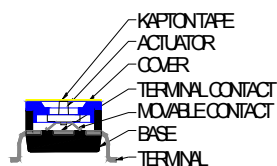
- ※ All switch must set in OFF position when through Soldering process .
- ※ Any flux enters the switch may influence contact function .

MODEL DM series Multi-Pole Type	SPECIFICATION RoHS Compliant DIP SWITCH	SP-005	Page
			5/7

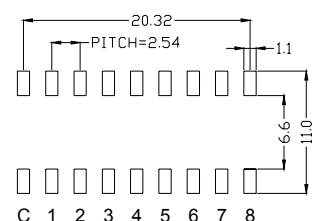
Materials:

◆ Cover	PPS (UL 94V-0), Black
◆ Base	PPS (UL 94V-0), Black
◆ Actuator	DMIS & DMXS.....PA46 (UL 94V-0), White DMIA/H & DMXA/H.....PA66 (UL 94V-0), White
◆ Terminal Contact	Gold plated
◆ Movable Contact	Gold plated
◆ Terminal	Gold plated
◆ Tape	Polyimide Film

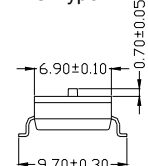
DMIS



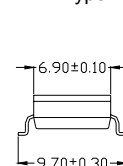
SMD Soldering Pad



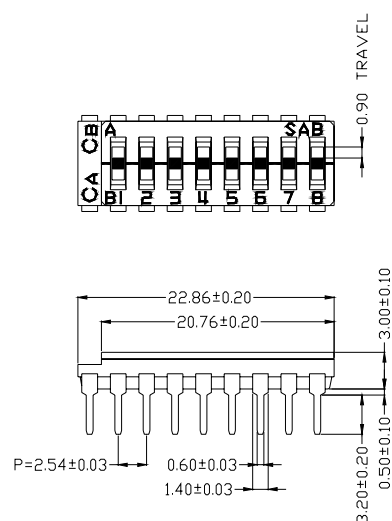
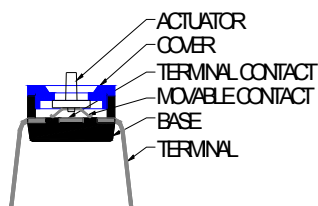
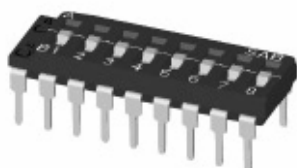
G Type



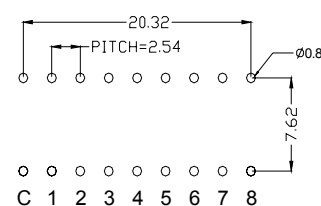
L Type



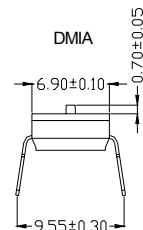
DMIA/H



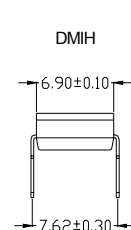
DRILLING PLAN



DMIA

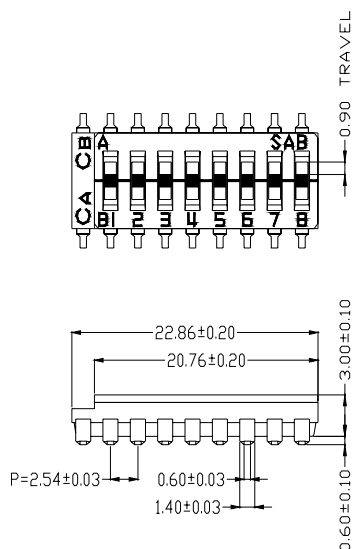
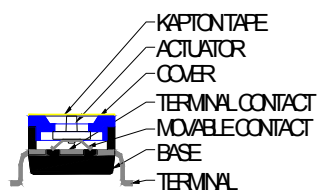
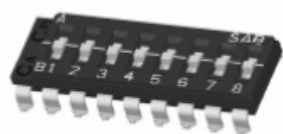


DMIH

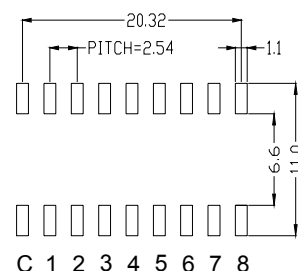


MODEL	SPECIFICATION	SP-006	Page
DM series			
Multi-Pole Type			RoHS Compliant DIP SWITCH

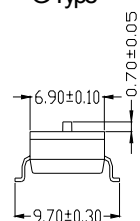
DMXS



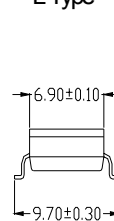
SMD Soldering Pad



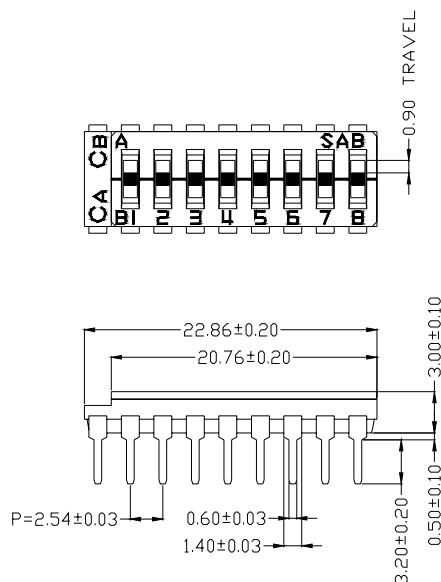
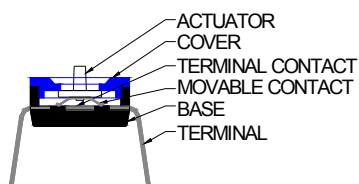
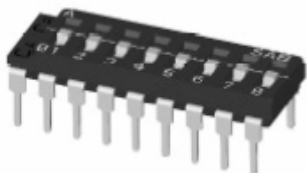
G Type



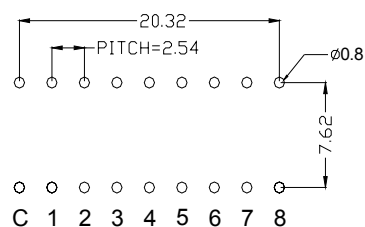
L Type



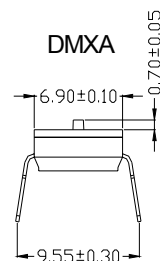
DMXA/H



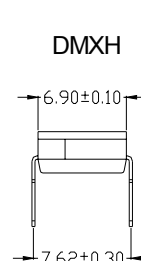
DRILLING PLAN



DMXA



DMXH



MODEL	SPECIFICATION RoHS Compliant DIP SWITCH	SP-007	Page
DM series			
Multi-Pole Type			7/7

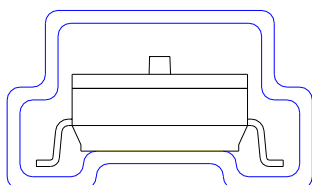
Part Number Table:

No. Pos.	Dim. "A"	Auto Insert	SMD
		1u" Gold Lead Raise Actuator Tube Package	3u" Gold Lead Tape Sealed Tube Package
6	17.78	DMIA/H	DMIS
6	17.78	DMXA/H	DMXS
8	22.86	DMIA/H	DMIS
8	22.86	DMXA/H	DMXS

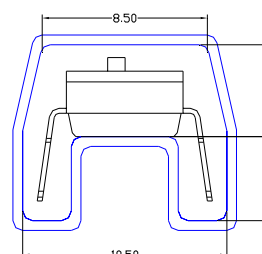
Tube Package:

POLE	TUBE	BOX	CTN 1	CTN 2
6	28	2800	5600	11200
8	22	2200	8800	17600

DMIS/DMXS



DMIA/H & DMXA/H



Box Dimension:

- ◆ Tube.....56cm × 12cm × 12cm

Carton Dimension:

- ◆ Tube
- CTN 1 / 2 Boxes.....58.5cm x 26.5cm x 16cm
- CTN 2 / 4 Boxes.....58.5cm x 26.5cm x 24cm