Feature -

bi-color LED illuminated available
2P2T, 4P2T, lock / non-lock function

Application -

computer products
instrumentation
communication equipments

▶ SPECIFICATIONS

SWITCH SPECIFICATIONS	
POLE - POSITION	2P2T , 4P2T LOCK / NON-LOCK Action with LED
CONTACT RATING	30 V DC , 0.3 A
CONTACT RESISTANCE	20 mΩ MAX. 1.5 V DC ; 100 mA by Method of Voltage DROP
INSULATION RESISTANCE	100 MΩ MIN. 500 V DC
DIELECTRIC STRENGTH	Breakdown is not Allowable ; 500 V AC for 1 Minute
OPERATING FORCE	200 ± 100 gf
OPERATING LIFE	10,000 cycles
OPERATING TEMPERATURE RANGE	-20°C ~ 70°C
TOTAL TRAVEL	TRAVEL : 2.5 ± 0.3 mm TRAVEL : 3.3 ± 0.3 mm

LED SPECIFICATIONS						
ATTENTION (+) (-) LEDs are Electrostatic Sensitive devices		Unit	Value / LED Color			
			Blue	Green	Red	Yellow
FORWARD CURRENT	If	mA	20	20	20	20
REVERSE VOLTAGE	Vr	V	5.0	5.0	5.0	5.0
REVERSE CURRENT	Ir	μA	10	10	10	10
FORWARD VOLTAGE@20mA	Vf	V	3.3-4.0	2.1-2.5	2.0-2.5	2.0-2.5
LUMINOUS INTENSITY@20mA	Iv	mcd	1300	700	900	700

■ Physical and electrical information of LED will be provided upon customer's request on switches .

▶ HOW TO ORDER

ML	-	2	L	B		-			

POLE	
2	2 = 2 POLE
4	4 = 4 POLE

LED COLOR (chip1)	
B	BLUE
G	GREEN
R	RED
Y	YELLOW
X	WITHOUT

ACTUATOR TYPE	
A	A TYPE
B	B TYPE
□	STD. TYPE

CAP SYMBOL		
Please refer to appendix 1(knob)		
For example		
K3		PK3:Printing
		K3:Laser carving
E1	OK	PE1:Printing
		E1:Laser carving
□		WITHOUT

OPERATION	
L	LOCK
N	NON-LOCK

LED COLOR (chip2)	
B	BLUE
G	GREEN
R	RED
Y	YELLOW
□	WITHOUT

CAP COLOR	
T	TRANSPARENT
□	WITHOUT

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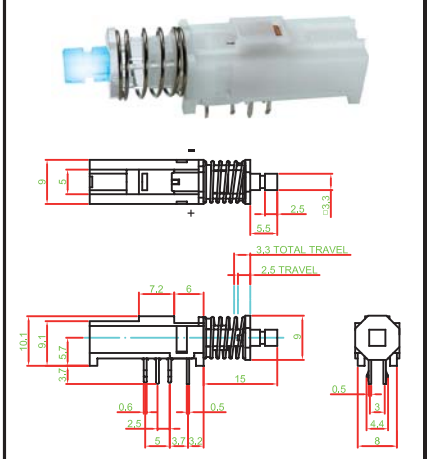
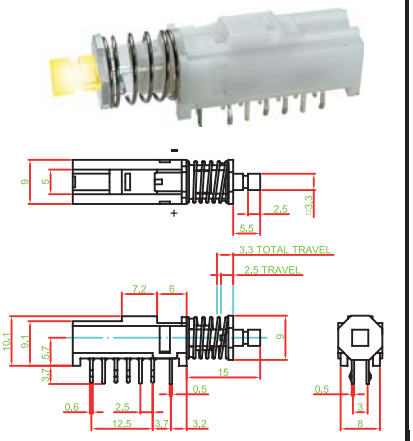
DIMENSION

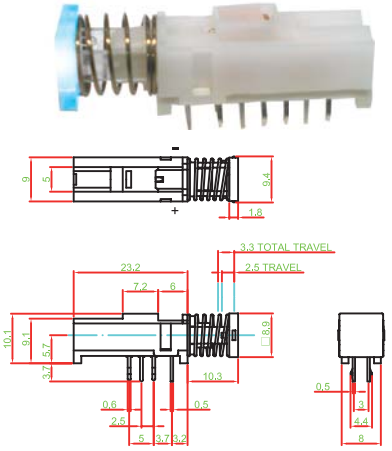
ML - 2L□□



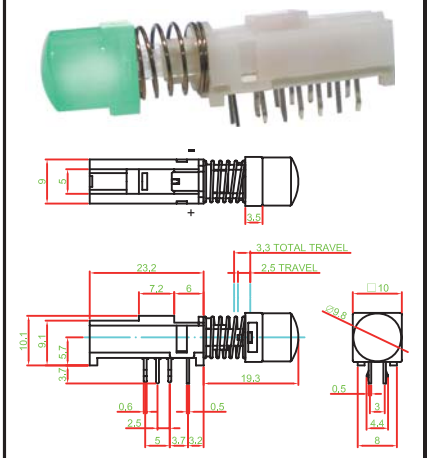
ML - 4N□□



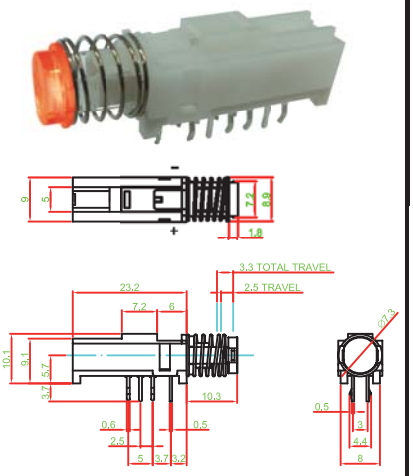
ML - 2 L □□ - A



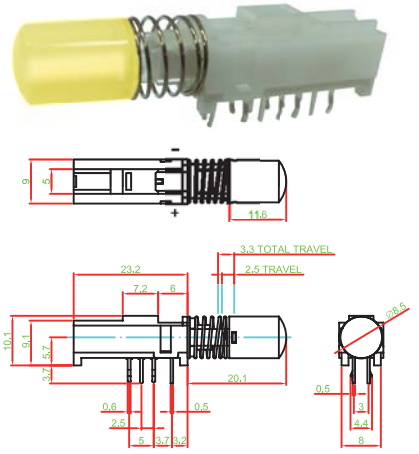
ML - 2 L □□ - AT



ML - 2 L □□ - B

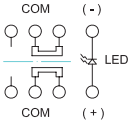


ML - 2 L □□ - BT

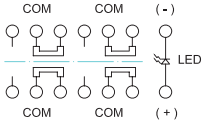


CIRCUIT

ML - 2N□□

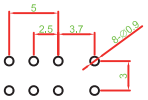


ML - 4N□□



P.C.B LAYOUT

ML - 2N□□



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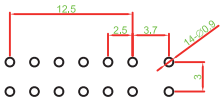

MATERIAL

- COVER : POM
- BASE FRAME : PA + GF
- ACTUATOR : POM
- TERMINAL : BRASS
  SILVER PLATING

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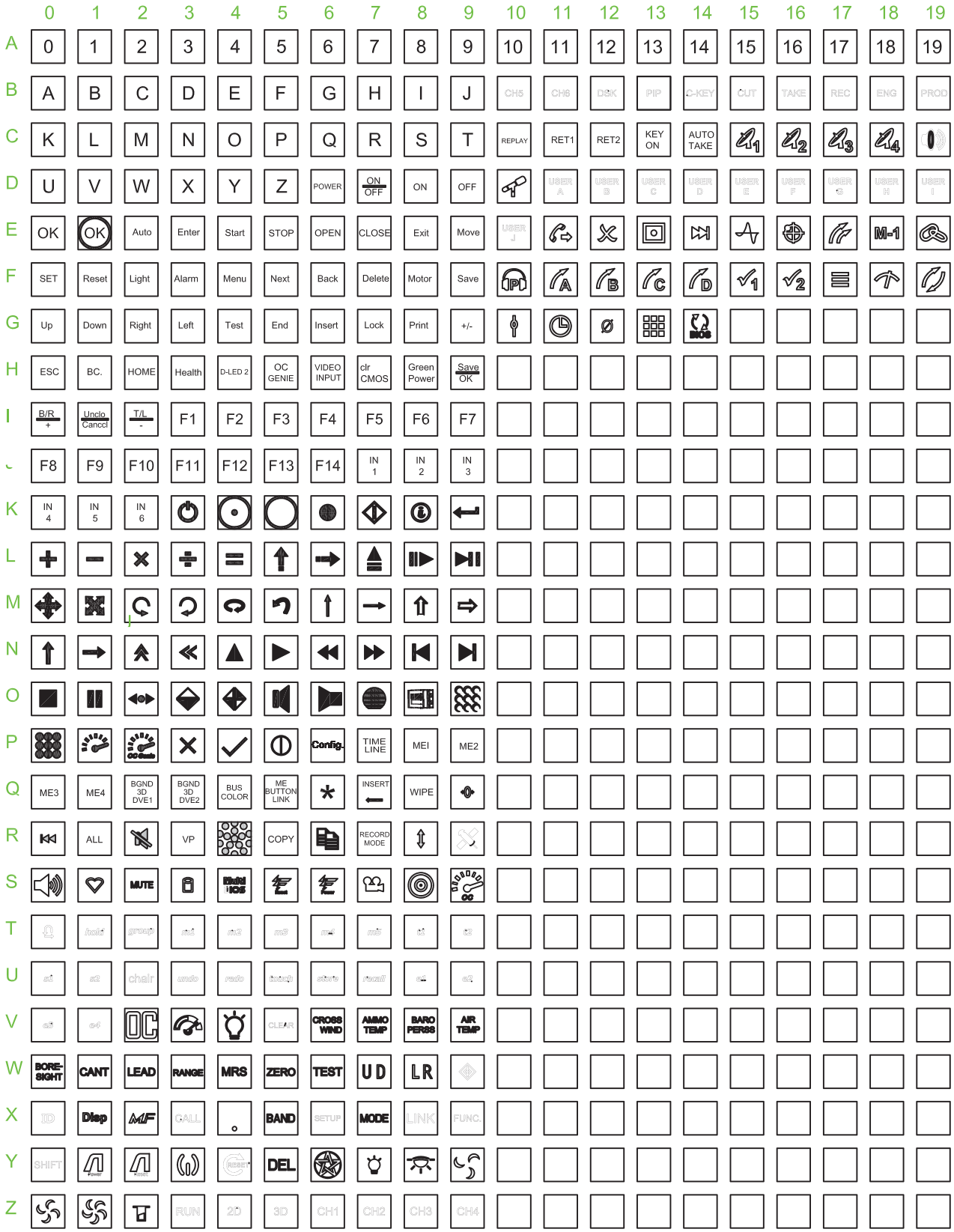
WB®

CAP SYMBOL



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