


Feature -



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

Application -

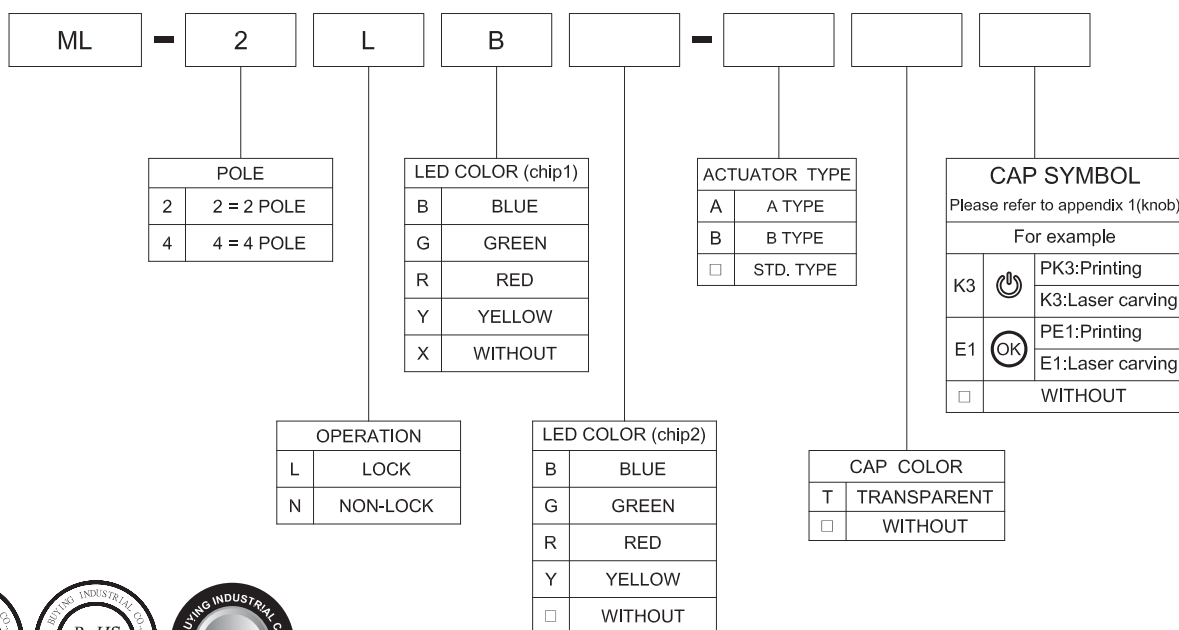
computer products
instrumentation
communication equipments

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

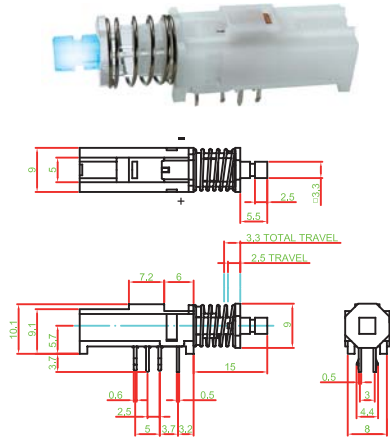
LED SPECIFICATIONS							
	ATTENTION LEDs are Electrostatic Sensitive devices		Unit	Value / LED Color			
				Blue	Green	Red	Yellow
FORWARD CURRENT	If	mA	20	20	20	20	
REVERSE VOLTAGE	Vr	V	5.0	5.0	5.0	5.0	
REVERSE CURRENT	Ir	μA	10	10	10	10	
FORWARD VOLTAGE@20mA	Vf	V	3.3-4.0	2.1-2.5	2.0-2.5	2.0-2.5	
LUMINOUS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

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

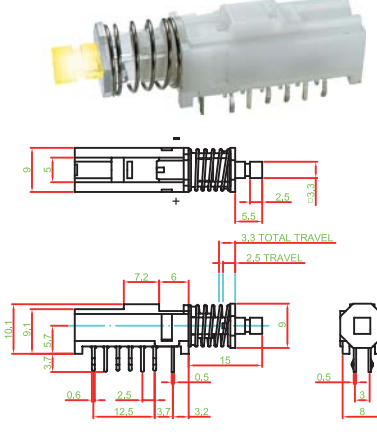
HOW TO ORDER


► DIMENSION

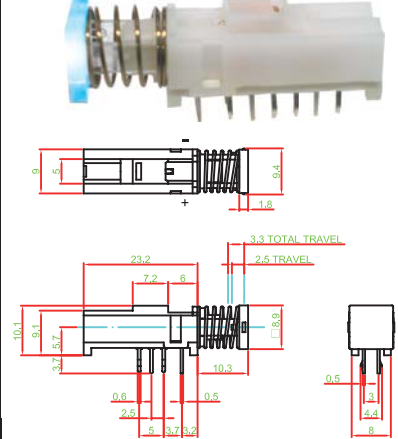
ML - 2L□□



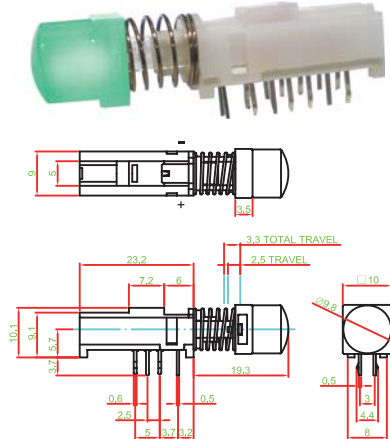
ML - 4N□□



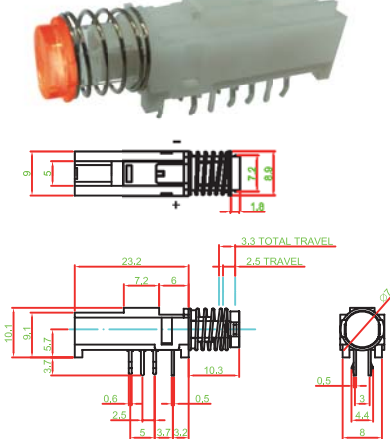
ML - 2 L □ □ - A



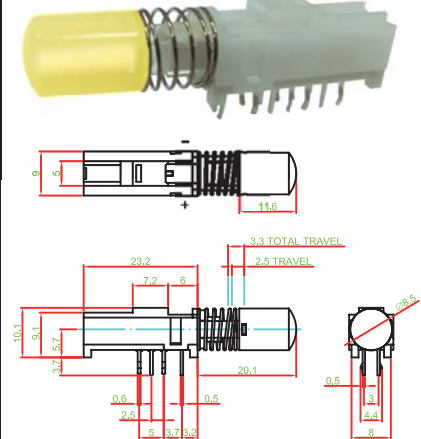
ML - 2 L □ □ - AT



ML - 2 L □ □ - B

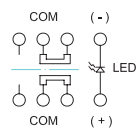


ML - 2 L □ □ - BT



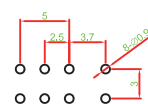
► CIRCUIT

ML - 2N□□

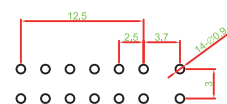


► P.C.B LAYOUT

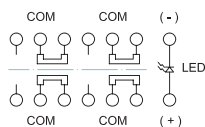
ML - 2N□□



ML - 4N□□



ML - 4N□□



► MATERIAL

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

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
A	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
B	A	B	C	D	E	F	G	H	I	J	CH5	CH6	DSK	PIP	C-KEY	CUT	TAKE	REC	ENG	PROD
C	K	L	M	N	O	P	Q	R	S	T	REPLAY	RET1	RET2	KEY ON	AUTO TAKE					
D	U	V	W	X	Y	Z	POWER	ON OFF	ON	OFF		USER A	USER B	USER C	USER D	USER E	USER F	USER G	USER H	USER I
E	OK		Auto	Enter	Start	STOP	OPEN	CLOSE	Exit	Move	USER J									
F	SET	Reset	Light	Alarm	Menu	Next	Back	Delete	Motor	Save										
G	Up	Down	Right	Left	Test	End	Insert	Lock	Print	+/-										
H	ESC	BC	HOME	Health	D-LED 2	OC GENIE	VIDEO INPUT	clr CMOS	Green Power	Save OK										
I	B/R	Undo Cancel	T/L	F1	F2	F3	F4	F5	F6	F7										
J	F8	F9	F10	F11	F12	F13	F14	IN 1	IN 2	IN 3										
K	IN 4	IN 5	IN 6																	
L	+	-	x	÷	=	↑	→	▲	▶	▶										
M																				
N	↑	→	▲	◀	▶	◀	▶	◀	▶	◀										
O																				
P							Config	TIME LINE	ME1	ME2										
Q	ME3	ME4	BGND 3D DVE1	BGND 3D DVE2	BUS COLOR	ME BUTTON LINK	*	INSERT	WIPE											
R	⏮	ALL		VP		COPY		RECORD MODE	↑											
S			MUTE																	
T																				
U			chair																	
V			OC			CLEAR	CROSS WIND	AMMO TEMP	BARO PRESS	AIR TEMP										
W	BORE-SIGHT	CANT	LEAD	RANGE	MRS	ZERO	TEST	UD	LR											
X	ID	Disp	M/F	GALL		BAND	SETUP	MODE	LINK	FUNC										
Y	SHIFT					DEL														
Z				RUN	2D	3D	CH1	CH2	CH3	CH4										