



### Feature -

- High Bright LED illumination
- Long life
- Good Actuation Feeling

### Applications -

- Communication Equipments
- Instrumentation

## ► SPECIFICATIONS

SWITCH SPECIFICATIONS	
POLE - POSITION	ON - < ON > for Momentary Type , ON - ON for Self - Lock Type SPDT , DPDT
CONTACT RATING	SEE CONTACT MATERIAL
CONTACT RESISTANCE	50 mΩ MAX. ( SILVER CONTACT ) ; 100 mΩ MAX. ( GOLD PLATING CONTACT ) , 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 ; 1000 V AC for 1 Minute
OPERATING FORCE	200 ± 100 gf ( SPDT ) 300 ± 150 gf ( DPDT )
OPERATING LIFE	200,000 cycles ( SILVER CONTACT ) 200,000 cycles ( GOLD PLATING CONTACT )
OPERATING TEMPERATURE RANGE	-20°C ~ 70°C
TOTAL TRAVEL	2.2 ± 0.2 mm

LED SPECIFICATIONS		Value / LED Color				
ATTENTION	Unit	Value / LED Color				
		Red	Yellow	Green	Blue	
LEDs are Electrostatic Sensitive devices						
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	1.7-2.2	1.7-2.2	1.8-2.4	2.7-3.7
LUMINOUS INTENSITY@20mA	Iv	mcd	230	230	410	585

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

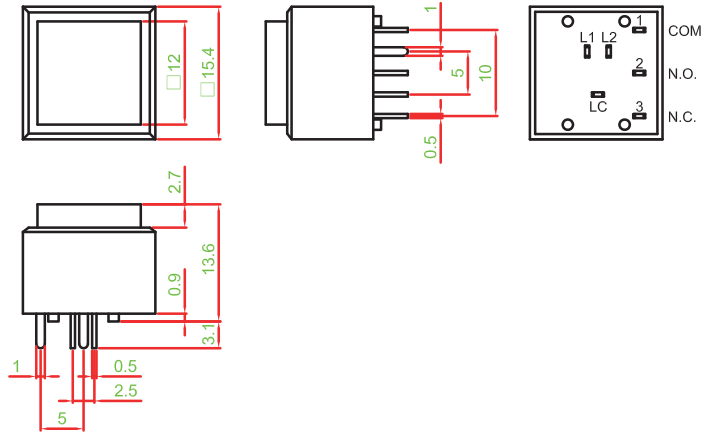
## ► HOW TO ORDER

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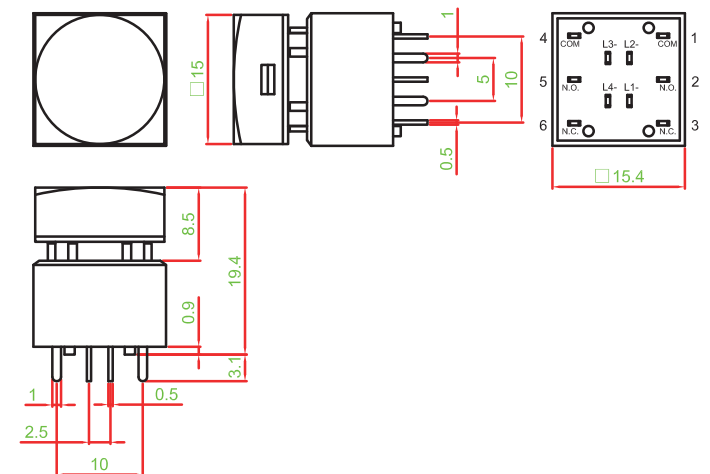


► DIMENSION & FRAME TYPE

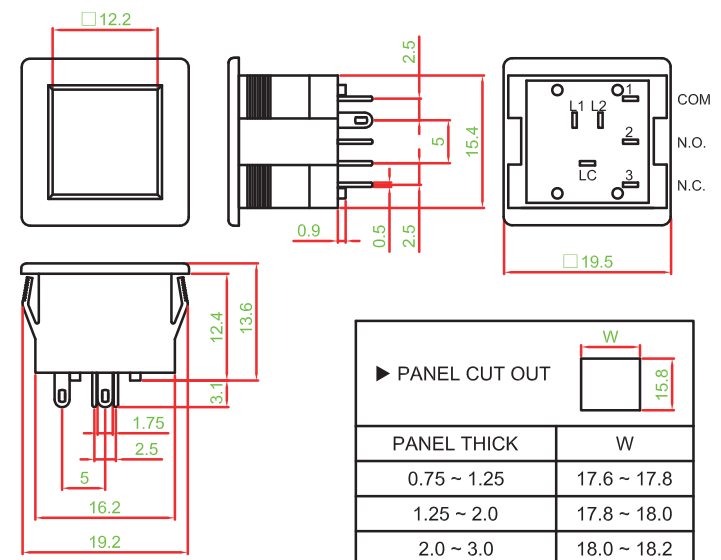
L - ML1PN □□□□ Q



L - MH2PN-RGB-Q

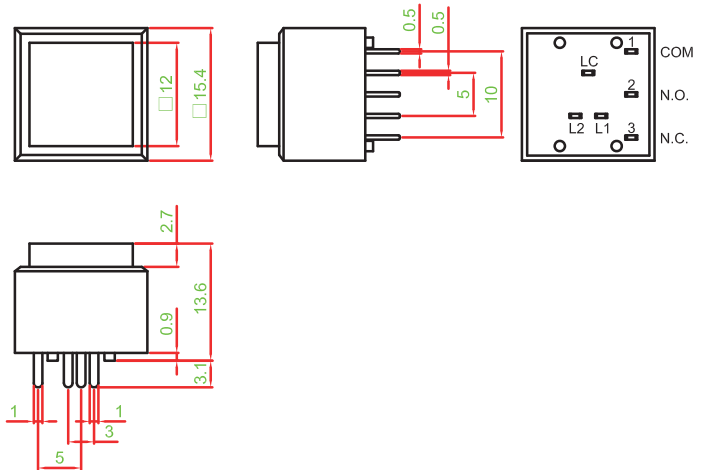


L - E1WN □□□□ Q

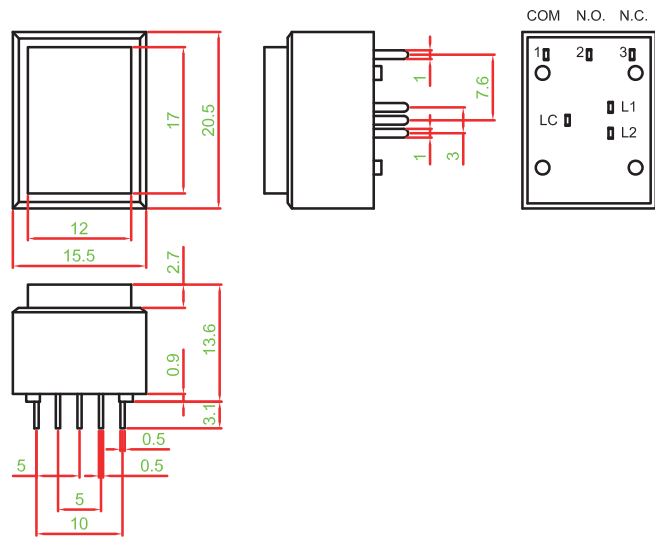


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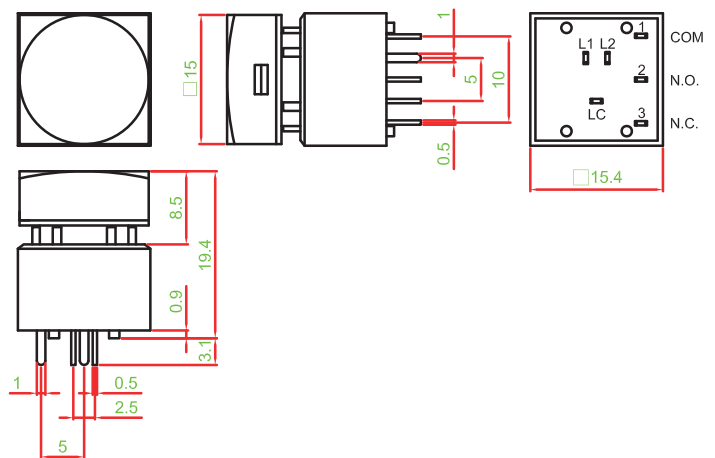
L - S1PN □□□□ Q



L - B1PN □□□□ Q



L - MH1PN □□□□ Q





	0	1	2	3	4	5	6	7	8	9
A	0	1	2	3	4	5	6	7	8	9
B	A	B	C	D	E	F	G	H	I	J
C	K	L	M	N	O	P	Q	R	S	T
D	U	V	W	X	Y	Z	POWER	<b>ON</b> <b>OFF</b>	ON	OFF
E	OK		Auto	Enter	Start	STOP	OPEN	CLOSE	Exit	Move
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 GENE	VIDEO INPUT	clr CMOS	Green Power	<b>Save</b> <b>OK</b>
I	<b>B/R</b> +	<b>Undo</b> Cancel	<b>T/L</b> -	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										
M										
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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		<b>Multi</b> <b>BIOS</b>					
T		hold	group	m1	m2	m3	m4	m5	t1	t2
U	s1	s2	chair	undo	redo	touch	store	recall	e1	e2
V	e3	e4	OC							
W										