

ML6 Series

Tact Switches (Illuminated)



HOW TO ORDER

ML6-H0□□QA

Through Hole

Without Cap

Operating Force:
2=160gf
3=180gf

Package:
Tray

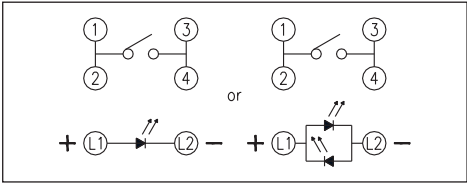
Halogen Free

LED Color:
□=Without LED
Refer Color Options

SPECIFICATIONS

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 100V DC
Dielectric Strength	250V AC/1 minute
Operating Force	160±50gf, 180±50gf
Travel	0.25mm
Operating Life	300, 000 cycles
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-40°C ~ +85°C

CIRCUIT



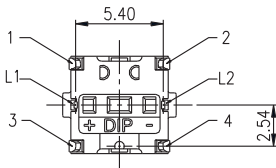
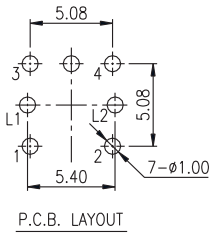
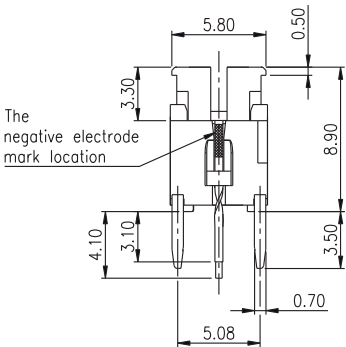
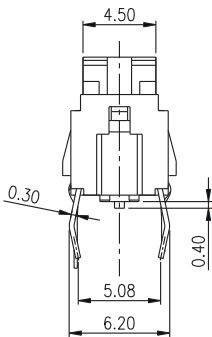
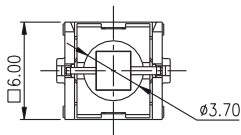
PACKAGE

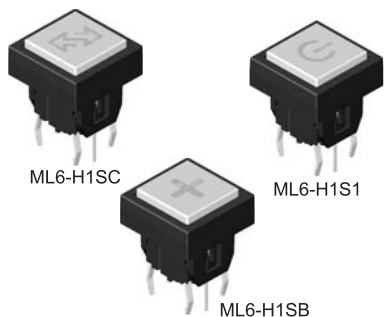
<Tray>
140 pcs.

ML6-H0

LED Color Options:

Part No.	Color	Dominant Wavelength λ_p Typ.(nm)	Luminous Intensity I_v (mcd)	Forward Voltage V_F (V)		View Angle $2\cdot\theta_{1/2}$ (Degree)
			Typ.	Typ.	Max.	
B	Blue	470	70	3.0	3.6	140°
PG	Pure Gree	520	160	3.2	3.6	
G	Yellow Green	570	30	2.0	2.3	
Y	Yellow	590	60	2.0	2.3	
A	Soft Orange	605	50	2.0	2.3	
R	Red	630	60	2.0	2.3	
W	Cold White	X:0.26 / Y:0.23	350	3.0	3.6	

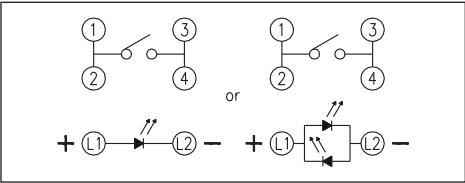




SPECIFICATIONS

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 100V DC
Dielectric Strength	250V AC/1 minute
Operating Force	160±50gf
Travel	0.25mm
Operating Life	300,000 cycles
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-40°C ~ +85°C

CIRCUIT



PACKAGE

<Tray>
100 pcs.

HOW TO ORDER

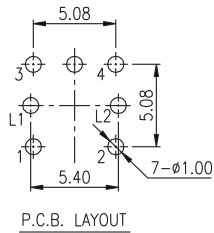
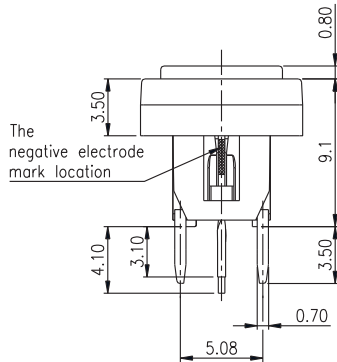
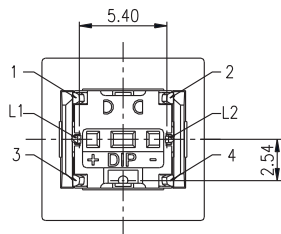
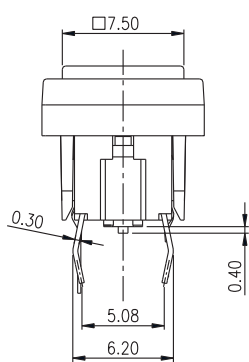
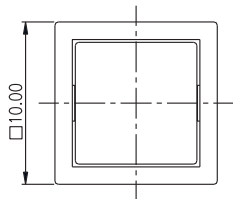
ML6-H1□□□VA

Through Hole
Cap Type: Square
Package: Tray
Lead Free
LED Color: □=Without LED Refer Color Options
Operating Force: 2=160gf
Cap Finish See Note

ML6-H1

LED Color Options:

Part No.	Color	Dominant Wavelength λ_p Typ.(nm)	Luminous Intensity I_v (mcd)	Forward Voltage V_F (V)		View Angle $2\theta_{1/2}$ (Degree)
			Typ.	Typ.	Max.	
B	Blue	470	70	3.0	3.6	140°
PG	Pure Gree	520	160	3.2	3.6	
G	Yellow Green	570	30	2.0	2.3	
Y	Yellow	590	60	2.0	2.3	
A	Soft Orange	605	50	2.0	2.3	
R	Red	630	60	2.0	2.3	
W	Cold White	X:0.26 / Y:0.23	350	3.0	3.6	



Note :

	CAP	
	Mark	Color
S1	Power	Silver
S2	Reset	Silver
SA	Stop	Silver
SB	Start	Silver

ML6 Series

Tact Switches(Illuminated)



HOW TO ORDER

ML6-H□T□□QA

Through Hole

Cap Type:
2=Round / H:7.90mm

Cap Color:
Matted Transparent

Package:
Tray

Halogen Free

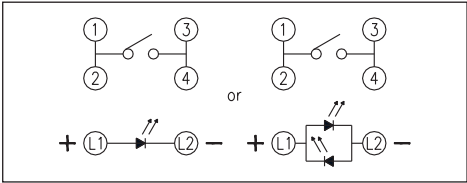
LED Color:
□=Without LED
Refer Color Options

Operating Force:
2=160gf

SPECIFICATIONS

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 100V DC
Dielectric Strength	250V AC/1 minute
Operating Force	160±50gf
Travel	0.25mm
Operating Life	300, 000 cycles
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-40°C ~ +85°C

CIRCUIT



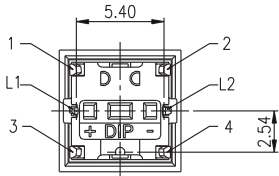
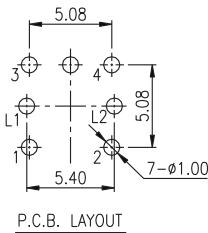
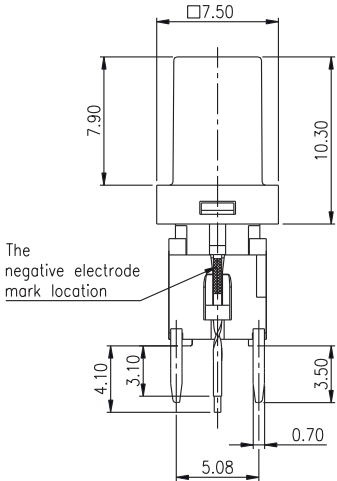
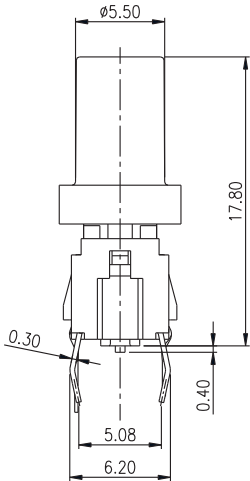
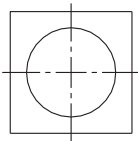
PACKAGE

<Tray>
100 pcs.

ML6-H2

LED Color Options:

Part No.	Color	Dominant Wavelength λ_p Typ.(nm)	Luminous Intensity I_v (mcd)	Forward Voltage V_F (V)		View Angle $2-\theta_{1/2}$ (Degree)
			Typ.	Typ.	Max.	
B	Blue	470	70	3.0	3.6	140°
PG	Pure Gree	520	160	3.2	3.6	
G	Yellow Green	570	30	2.0	2.3	
Y	Yellow	590	60	2.0	2.3	
A	Soft Orange	605	50	2.0	2.3	
R	Red	630	60	2.0	2.3	
W	Cold White	X:0.26 / Y:0.23	350	3.0	3.6	





ML6-H4K1

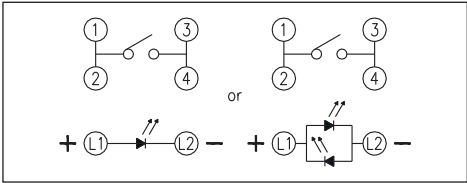


ML6-H4S3

SPECIFICATIONS

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 100V DC
Dielectric Strength	250V AC/1 minute
Operating Force	160±50gf
Travel	0.25mm
Operating Life	300, 000 cycles
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-40°C ~ +85°C

CIRCUIT



PACKAGE

<Tray>
100 pcs.

HOW TO ORDER

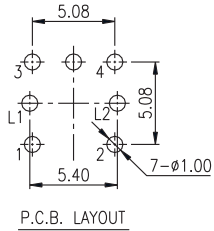
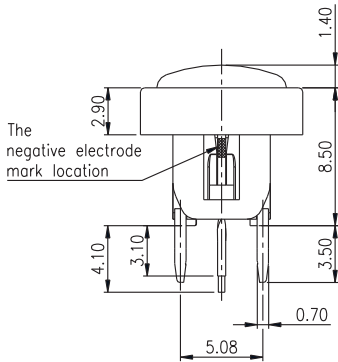
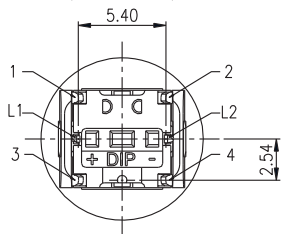
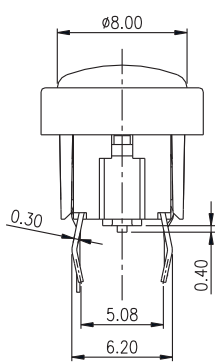
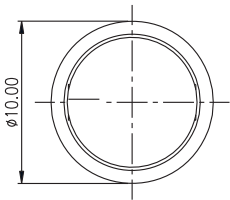
ML6-H4 ☐ ☐ ☐ **VA**

Solder Type: Through Hole
Cap Type
Cap Finish See Note
Package: Tray
Lead Free
LED Color:
☐=Without LED
Refer Color Options
Operating Force:
2=160gf

ML6-H4

LED Color Options:

Part No.	Color	Dominant Wavelength λ_p Typ.(nm)	Luminous Intensity I_v (mcd)	Forward Voltage V_f (V)		View Angle $2\theta_{1/2}$ (Degree)
			Typ.	Typ.	Max.	
B	Blue	470	70	3.0	3.6	140°
PG	Pure Gree	520	160	3.2	3.6	
G	Yellow Green	570	30	2.0	2.3	
Y	Yellow	590	60	2.0	2.3	
A	Soft Orange	605	50	2.0	2.3	
R	Red	630	60	2.0	2.3	
W	Cold White	X:0.26 / Y:0.23	350	3.0	3.6	



NOTE :

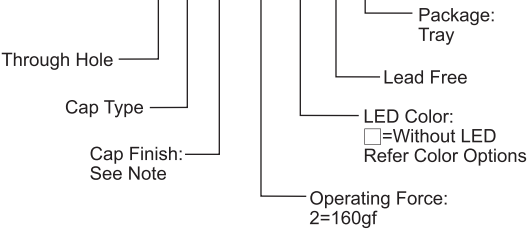
	CAP	
	MARK	COLOR
S1		SILVER
K1		BLACK
S3	RESET	SILVER
K3		BLACK
SA		SILVER
KA		BLACK

ML6 Series
Tact Switches(Illuminated)



HOW TO ORDER

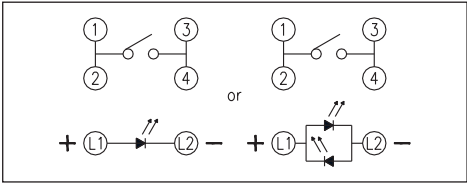
ML6-H5



SPECIFICATIONS

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 100V DC
Dielectric Strength	250V AC/1 minute
Operating Force	160±50gf
Travel	0.25mm
Operating Life	300, 000 cycles
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-40°C ~ +85°C

CIRCUIT



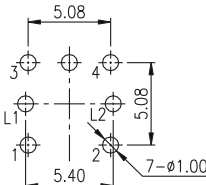
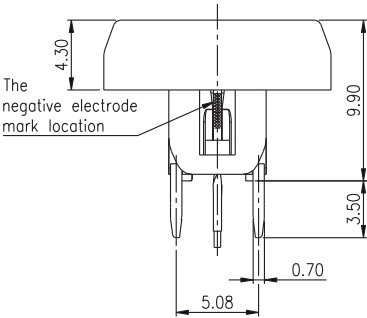
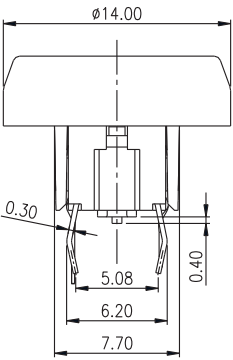
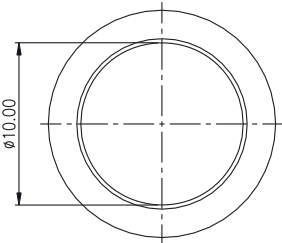
PACKAGE

<Tray>
100 pcs.

ML6-H5

LED Color Options:

Part No.	Color	Dominant Wavelength λ_p Typ.(nm)	Luminous Intensity I_v (mcd)	Forward Voltage V_f (V)		View Angle $2\cdot\theta_{v2}$ (Degree)
			Typ.	Typ.	Max.	
B	Blue	470	70	3.0	3.6	140°
PG	Pure Gree	520	160	3.2	3.6	
G	Yellow Green	570	30	2.0	2.3	
Y	Yellow	590	60	2.0	2.3	
A	Soft Orange	605	50	2.0	2.3	
R	Red	630	60	2.0	2.3	
W	Cold White	X:0.26 / Y:0.23	350	3.0	3.6	



P.C.B. LAYOUT

NOTE :

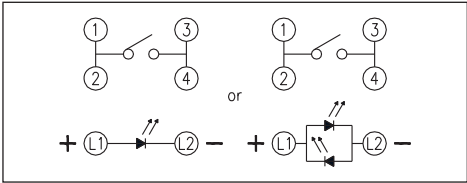
MARK	CAP	
	MARK	COLOR
R4	START	RED



SPECIFICATIONS

Contact Rating	50mA, 12V DC
Contact Resistance	100mΩ max.
Insulation Resistance	100MΩ min. 100V DC
Dielectric Strength	250V AC/1 minute
Operating Force	180±50gf
Travel	0.25mm
Operating Life	300, 000 cycles
Operating Temp.	-40°C ~ +85°C
Storage Temp.	-40°C ~ +85°C

CIRCUIT

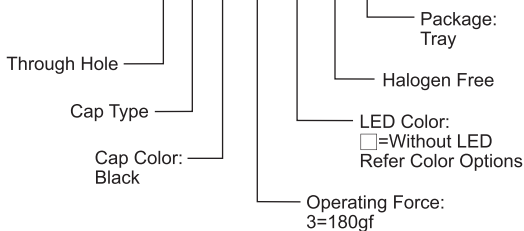


PACKAGE

<Tray>
100 pcs.

HOW TO ORDER

ML6-H6KQA



ML6-H6

LED Color Options:

Part No.	Color	Dominant Wavelength λ_p Typ.(nm)	Luminous Intensity I_v (mcd)	Forward Voltage V_f (V)		View Angle $2\theta_{1/2}$ (Degree)
			Typ.	Typ.	Max.	
B	Blue	470	70	3.0	3.6	140°
PG	Pure Gree	520	160	3.2	3.6	
G	Yellow Green	570	30	2.0	2.3	
Y	Yellow	590	60	2.0	2.3	
A	Soft Orange	605	50	2.0	2.3	
R	Red	630	60	2.0	2.3	
W	Cold White	X:0.26 / Y:0.23	350	3.0	3.6	

