

ML6 Series

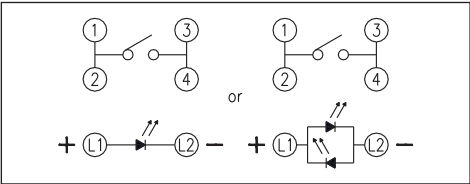
Tact Switches (Illuminated)



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.

HOW TO ORDER

ML6 - H 0 Q A

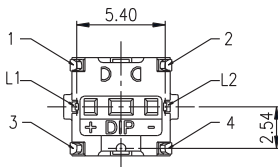
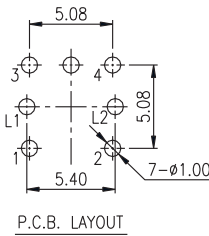
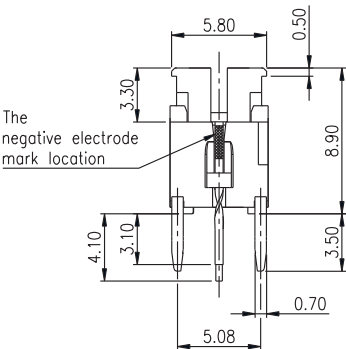
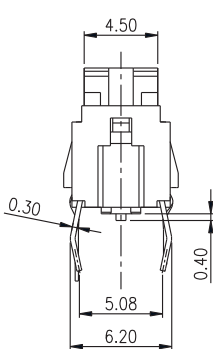
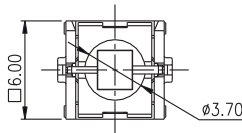
Through Hole
Without Cap
Operating Force:
2=160gf
3=180gf

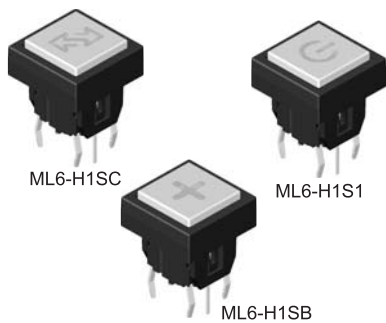
Package:
Tray
Halogen Free
LED Color:
 =Without LED
Refer Color Options

ML6-H0

LED Color Options:

Part No.	Color	Dominant Wavelength λ_D 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	

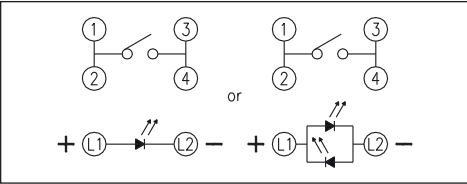




SPECIFICATIONS

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

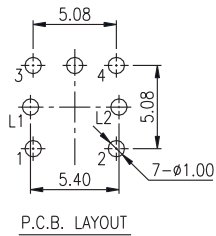
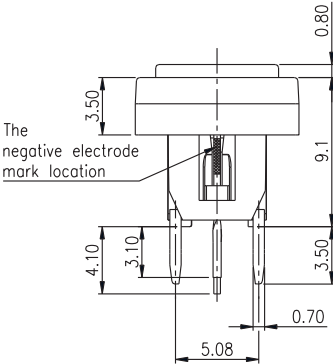
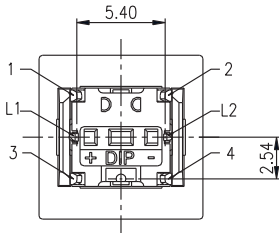
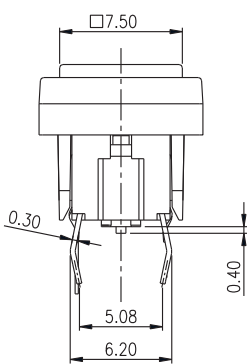
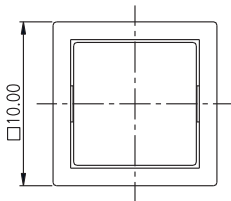
M L 6 - H 1 ☐ ☐ ☐ V A

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		Silver
S2	Reset	Silver
SA		Silver
SB		Silver

ML6 Series

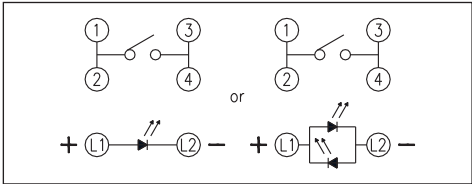
Tact Switches(Illuminated)



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

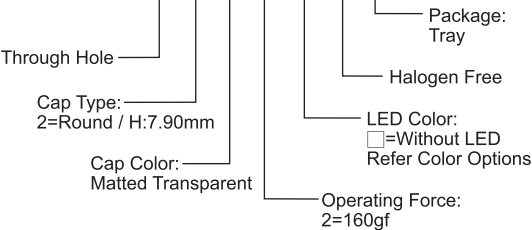


PACKAGE

<Tray>
100 pcs.







HOW TO ORDER

ML6-H T Q A

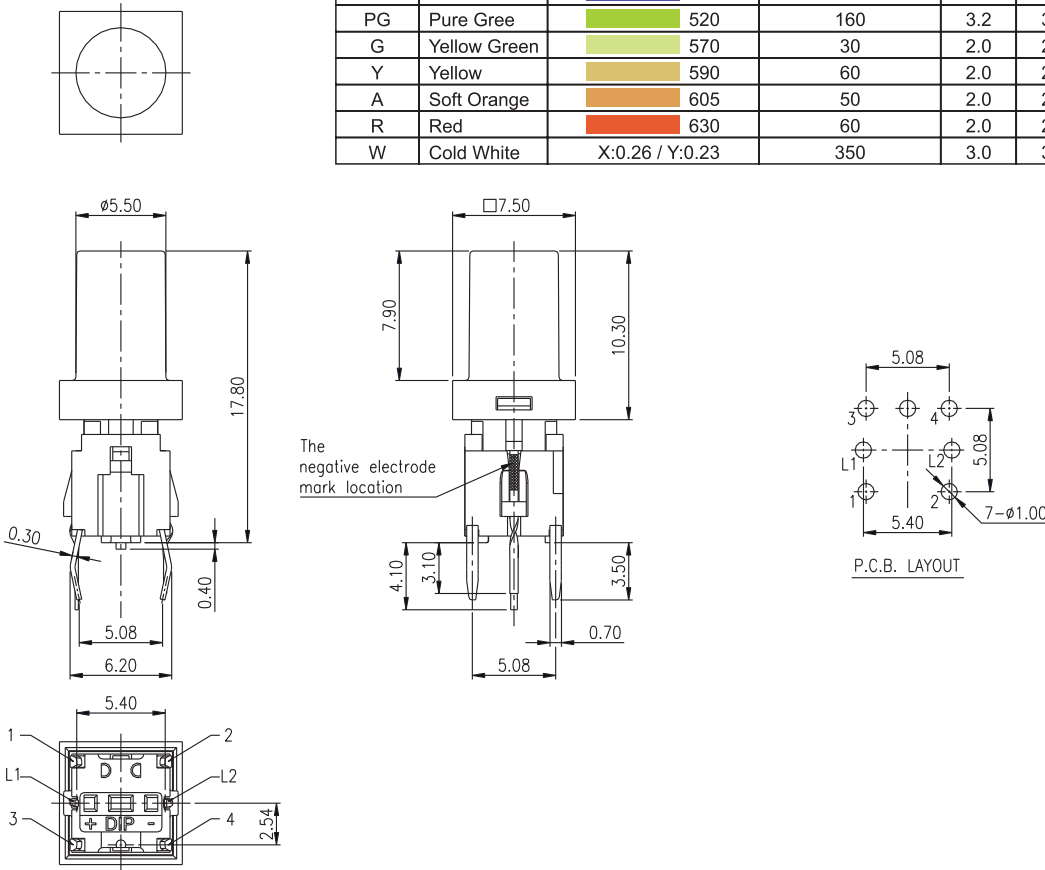


ML6-H2

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
Tact Switches





ML6-H4K1

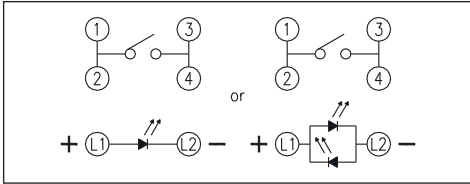


ML6-H4S3

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

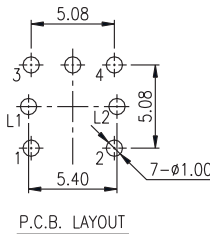
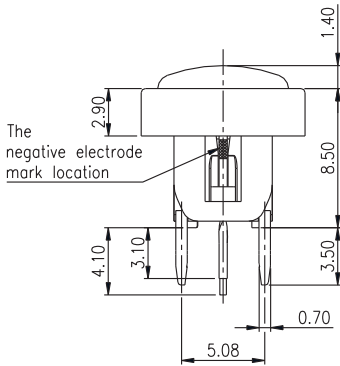
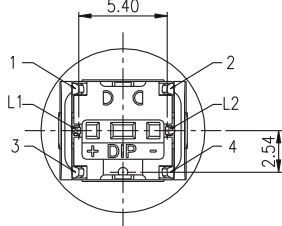
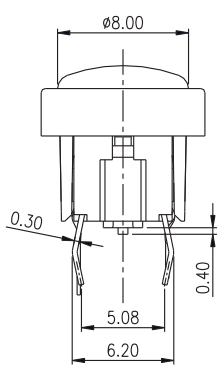
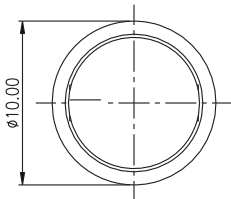
ML6-H4 **VA**

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_D 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

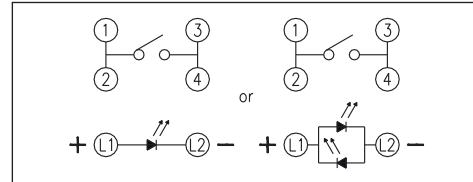
Tact Switches(Illuminated)



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

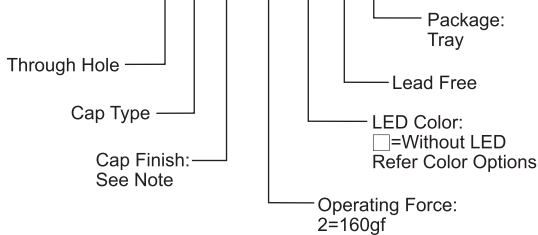


PACKAGE

<Tray>
100 pcs.

HOW TO ORDER

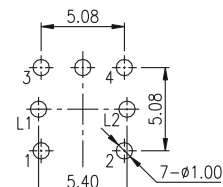
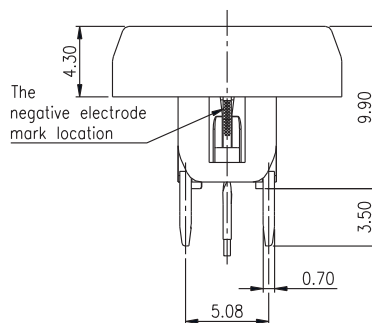
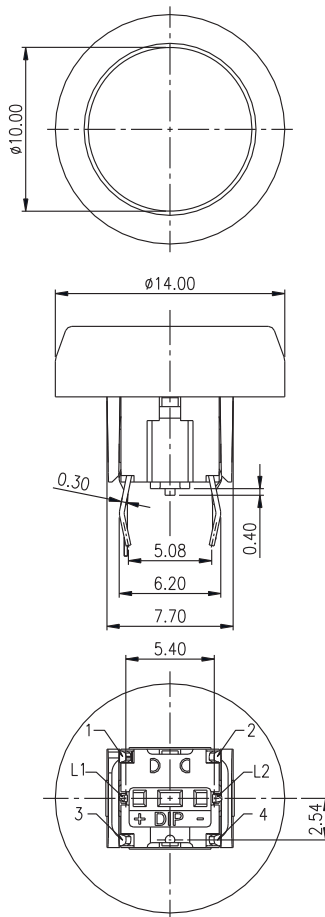
ML6-H5



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 $2\theta_{1/2}$ (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	



P.C.B. LAYOUT

NOTE :

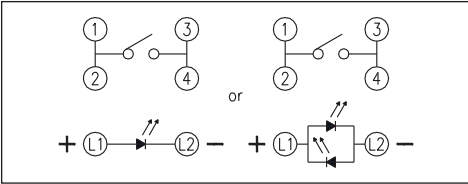
	CAP	
	MARK	COLOR
R4	START	RED



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 - H6K □ □ QA

Through Hole
Cap Type
Cap Color: Black
Package: Tray
Halogen Free
LED Color:
□=Without LED
Refer Color Options
Operating Force:
3=180gf

ML6-H6

LED Color Options:

Part No.	Color	Dominant Wavelength λ_D 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	

