

GT02系列按键开关/ GT02 Series Keyswitch

■ 特点 Features:

- 台面配置型,从PCB端算起0.60英寸(15.2毫米)(无键帽)
Desktop profile, 0.60 inch (15.2mm) from PCB (no keycap)
- 触感的选择: 平滑型, 触感型, 咔嗒转换型
Choice of feel: linear, soft tactile, click tactile
- PCB 针脚或框架型 PCB or frame mount
- 高达5000万次的操作寿命
Long life to 50 million operation cycles
- 有LED, 二极管, 或者跳机型可供选择
LED, diode or jumper option
- 最大12V AC/DC 12V AC/DC maximum
- 额定电流: 10mA Current Rating: 10mA
- 绝缘电阻<100MΩ (在 100V DC 下)
Insulation Resistance: <100MΩ under 100VDC



■ 用途 Applications:

主要应用于电脑键盘点钞机 工业设备和机器接口设备
Mainly applied on computer keyboards, cash registers, industrial equipment and Man-Machine interfaces

■ 规格参数 Specification and Parameters:

电气特性 Electrical Characteristics	额定负荷 Rating	12VDC/AC max. 10mA AC/DC max
	接触电阻 Contact Resistance	200mΩ Max(25mΩ typical)(初始值 Initial Value)
	绝缘电阻 Insulation Resistance	100MΩ Min
	耐电压 Voltage Resistance	AC 100V (50-60Hz) 1 Minute
	电气寿命 Electrical life	Over 50,000,000 cycles (Load)
特性参数 Parameters	弹跳时间 Bounce Time	操作速度为 400mm/s 5 msec(operation speed at 400mm/sec)
	操作力 Operating force	见具体规格表 See Detail Spec
	行程 Pre-travel	2.0 ± 0.6mm
	全行程 Total Travel	4.0 ± 0.4mm
	机械寿命 Mechanical Life	5,000 万次以上(无负载下) Over 50,000,000 cycles (No Load)
	使用温度 Operating Temperature Range	-40℃ ~ +80℃
	使用湿度 Ambient Humidity	≤85% RH
	可焊性 Solder Ability	260℃ ± 5℃ 3s ± 0.5s
	耐焊接热 Soldering Heat Resistance	260℃ ± 5℃ 3s ± 1s
	手工焊接 Soldering by Hand	焊接时, 使用30瓦烙铁, 控制在350℃约3秒 Use a 30 watts soldering iron for about 3S at 350℃ while soldering

■ 焊接参数 Soldering Parameters:


1. 熔融条件 Flux Station
 - A. GR8干熔型 Flux-Dry type GR8
 - B. 需发泡 Applied by foaming
 - C. 特别比重-0.820g/cm3 Specific Gravity - 0.820g/cm3
2. 输送速度 Conveyor Speed
 - A. 2.3米/分钟 2.3 meters/min
3. 预热温度 Pre-heat Temperature
 - A. PCB 表面温度为+85℃ Temperature of PCB surface: +85℃
4. 焊接 Solder
 - A. 63/37 合金 63/37 alloy
 - B. 干波, 无油 Dry wave - no oil
 - C. 大约接触波段2秒 Approximate contact with wave for 2 seconds
5. 清洗 Cleaning
 - A. GR8干熔型, 不吸湿, 不需要清洁 Flux-Dry GR8 is non-hygroscopic flux and does not require cleaning
 - B. 建议冷却后在单独的局域用 Alpua 564 手洗, 注意溶剂不要流入组件中。
Cleaning is suggested on isolated areas, cold cleaning by hand with Alpua 564 is recommended, Care must be taken to avoid solvent entering the keymodule.

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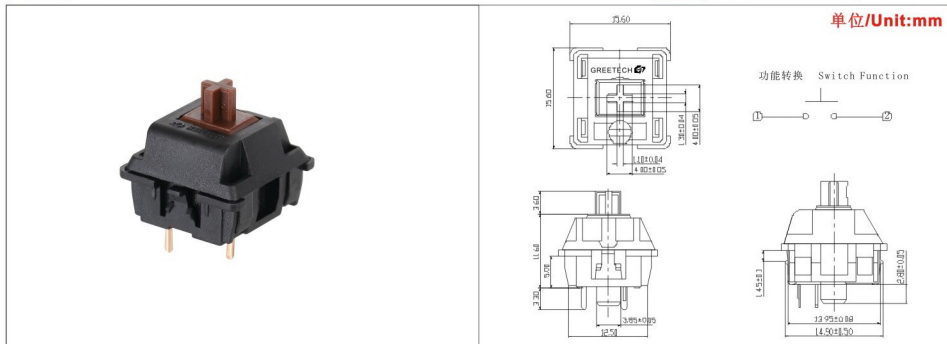
GT02 系列按键开关订货指引

GT02 Series Keyswitch Ordering Instruction

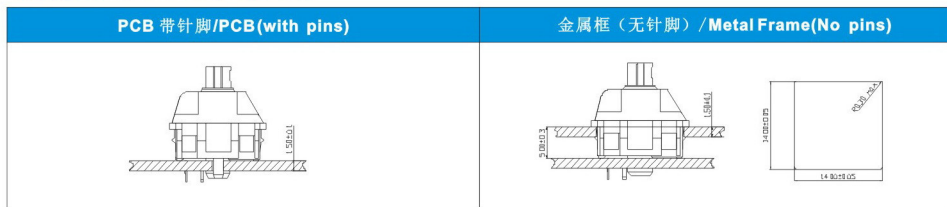
GT02	A	1	B	R	W
开关类别 Switch Type	接触材料 Contact Material	操作力代码 Code of operating force	操作特征和按键类别 Operating Characteristics and Key Stem Style	LED 二极管 LED Diode	安装选择 Mounting Options
GT02 系列 按键开关 GT02 Series Keyswitch	A 金合金 Au Alloy	1 OF=60±20gf (仅适用于红/蓝/棕色键 Only For Red/Blue/Brown Stem)	A 单极, 黑色按键 single pole, black key stem	N 无LED灯/No LED 无二极管/No Diode	W 有针脚 With pins
	B 银合金 Ag Alloy	2 OF=80±25gf (仅适用于黑色键 Only For Black Stem)	B 单极, 棕色按键 single pole, brown key stem	F 带全彩RGB With Full Color RGB	N 无针脚(有金属框) No pins(with metal frame)
	... 特殊 Special	...	E 单极, 红色按键 single pole, Red key stem	R 红色LED灯/Red LED 无二极管/No Diode	
	D 单极, 触感, 蓝色按键 single pole, tactile feel, blue key stem	G 绿色LED灯/Green LED 无二极管/No Diode	
			... Special 特殊	Y 黄色LED灯/Yellow LED 带二极管/with Diode	
				D 无LED灯/No LED, 带二极管/with Diode	
				... Special 特殊	


尺寸 Dimensions

■ 尺寸 Dimensions



■ 安装选择 Mounting Options

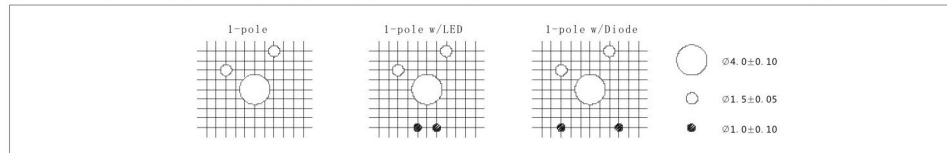


■ 电路板孔设计 Circuit Board Layouts

◆无固定针脚的按键开关 Keyswitch without fixation pins

线间距1.27mm

Gride line spacing=1.27mm



◆有固定针脚的按键开关 **Keyswitch with fixation pins**

