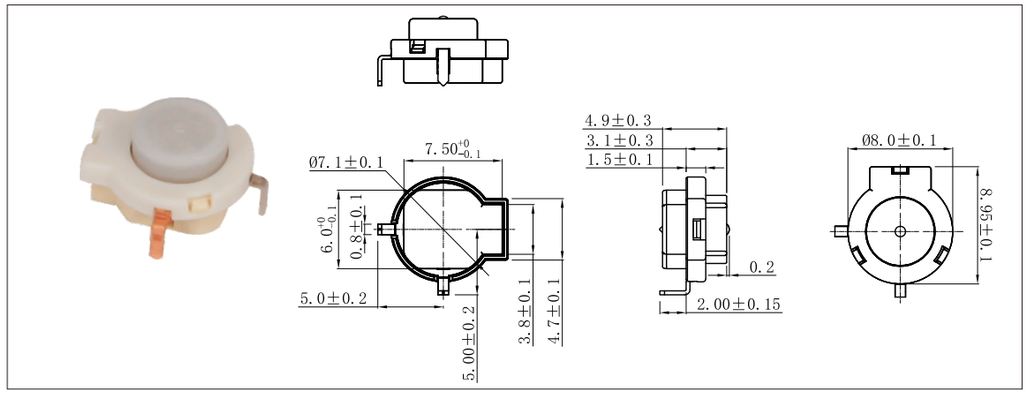
GT08 Series Keyswitch Ordering Instruction

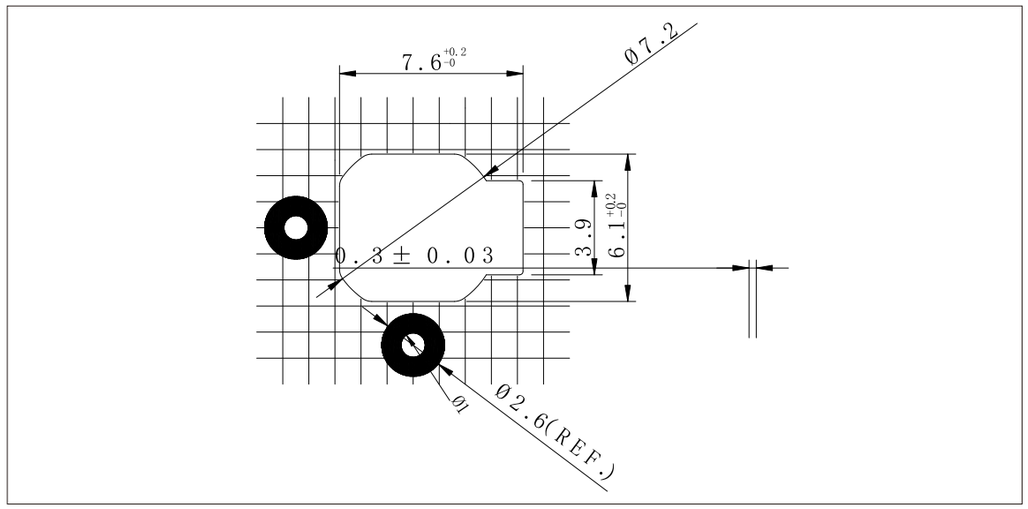
GT08	A		1		C		N		P		A1	
GUANTAI Switch Type	Keyswitch Height		Code of Operating Force		Operating Characterstics and Key Stem Style		LED Diode		Mounting Options		Special requirements travel	
	A	4.9mm	1	OF=70±15gf	A	single pole, standard type, black key stem	N	No LED, No Diode	P	With pins	A1	The switch on stroke is less than 0.95mm
	B	Other	2	Other	C	single pole, tactile feel, sound, white translucent key stem			S	Suitable	A2	Other to be defined

■Dimensions

Unit:mm



■Circuit Board Layouts



GT11-Ultrathin Mechanical Keyboard Switch-2.5mm Travel



■Features

-With tactile sound or smooth mute for selection
-Feel smooth and natural, no touch key angle card lag phenomenon
-Life can reach more than 10 million times
-Can be equipped with RGB-LED lights added colorful backlight
-Patent products, the world's first

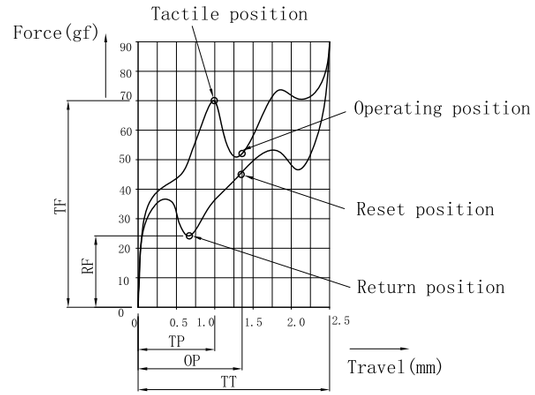
■ Applications

◆ Notebook computer keyboards

■ Specification and Parameters

Electical Characteristics	Rating	12V DC/AC max.10mA AC/DC max
	Initial Contact Resistance	200m Ω Max
	Insulationg Resistance	100M Ω Min
	Voltage Resistance	AC 100V (50-60Hz) 1 Minute
	Electrical Life	Over 10,000,000 cycles(Load)
	Bounce Time	400mm/s 5msec (operation speed at 400mm/sec)
Parameters	Tactile Force(TF)	70 ±15gf
	Tactile Position(TP)	1.0±0.3
	Operating Position(OP)	(TP+0.1)≤OP≤1.6mm
	Total Travel(TT)	2.5±0.2mm(GT11A) 2.5+0/-0.3 mm(GT11B)
	Return Force(RF)	RF=20gf Min
	Mechanical Life	2000 Over 20,000,000 Cicles(NoLoad)
	Operating Temperature Range	- 40℃~ +80℃
	Ambient Humidity	≤85%RH
	Hand soldering Condition	3Sec Max.at 360℃±10℃

■Travel-force curve



Travel-force curve

GT11 Series Keyswitch Ordering Instruction

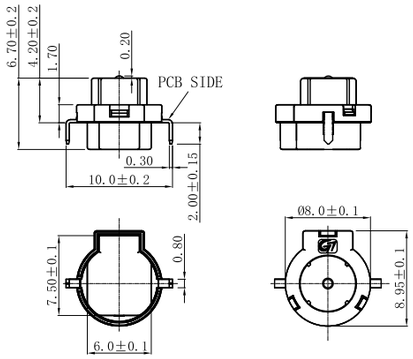
GT08	A		1		C		N		P	
GUANTAI Switch Type	Keyswitch Height		Code of Operating Force		Operating Characterstics and Key Stem Style			LED Diode	Mounting Options	
	A	6.7mm	1	OF=70±15gf	A	single pole, standard type, black key stem	N	No LED, No Diode	P	With pins
	B	6.4mm	2	Others	C	single pole, tactile feel, sound, white translucent key stem			S	Suitable
	C	Others								

■ Dimensions

Unit:mm

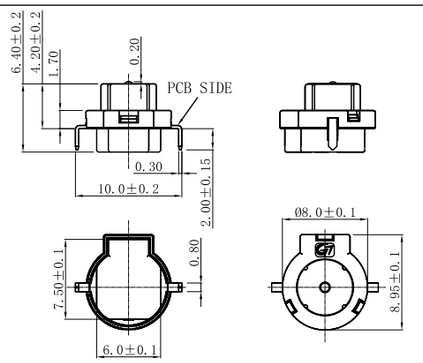


H=6.7mm(DIP)

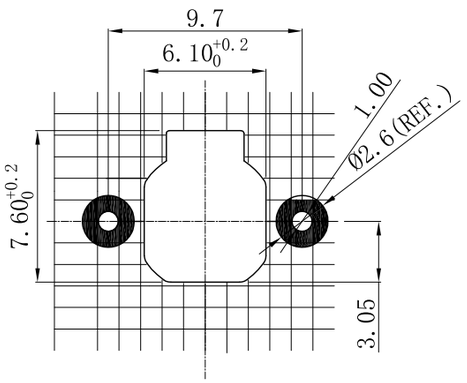




H=6.4mm(DIP)

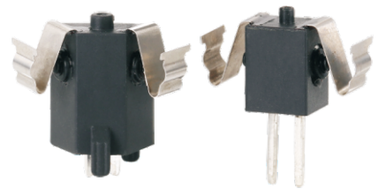


■ Circuit Board Layouts



G1/G17 Series

Series-Active Sealed Tact Switch



■Features

-Water and Dust Proof(IP67)Design
-Long life/High Reliability
-0.8*0.8PCB terminal
-Operate the two levers at the same time for safety operation
-Variety of levers and control methods
-Mini size,could be used for tight space

■Application

◆Auto
◆Industry control

■Parameters

Rating		12VDC 20 μ A~20mA
Operating Frequency	Electrical	20 cycles/minute
	Mechanical	G1 Series:120 cycles/minute
		G17 Series:80 cycles/minute
Contact Resistance(Initial Value)		<200m Ω
Insulation Resistance(at 500VDC)		>10mΩ
Vibration durability		10～55Hz, Amplitude 1.5mm
Voltage Resistance	Between Terminals	500VAC(50～60Hz)
	Between terminals and housing	1500VAC(50～60Hz)
Service Life	Electrical	100,000 cycles
	Mechanical	100,000 cycles
Storage Temperature		-40° C～+85° C
Storage Humidity		85%RH MAX
Unit Weight		G1:0.85g
		G17:1.1g