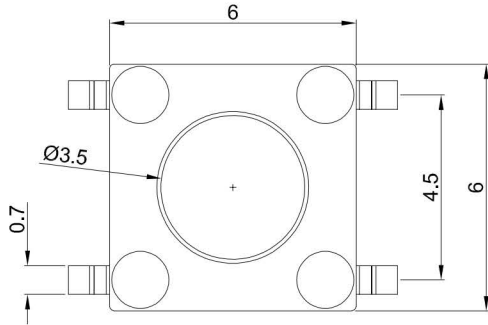


GT-TB089A-H050-L1

G-Switch

Operating Force

A=160gf
B=250gf
C=100gf
D=70gf
E=130gf
F=320gf
G=400gf

Switch Lifetime (Force)

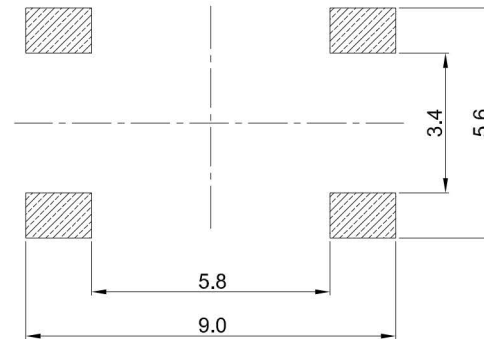
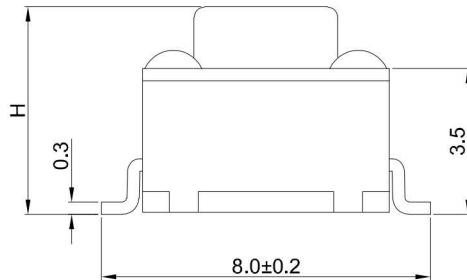
L05=50,000 Cycles (B, F, G)
L1=100,000 Cycles (A, B)
L3=300,000 Cycles (A, B, C, D, E)
L5=500,000 Cycles (A, B, C, D, E)

Switch Height (mm)

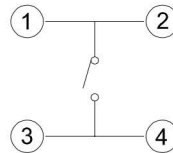
H043=4.3 A=3.5 H045=4.5 A=3.5
H050=5.0 A=3.5 H055=5.5 A=3.5
H060=6.0 A=3.5 H065=6.5 A=3.5
H070=7.0 A=3.3 H080=8.0 A=3.3
H085=8.5 A=3.3 H090=9.0 A=3.3
H095=9.5 A=3.0 H100=10.0 A=3.0
H105=10.5 A=3.0 H110=11.0 A=3.0
H115=11.5 A=3.0 H120=12.0 A=3.0
H125=12.5 A=3.0 H130=13.0 A=3.0
H135=13.5 A=3.0 H140=14.0 A=3.0
H145=14.5 A=3.0 H150=15.0 A=3.0
H155=15.5 A=3.0 H160=16.0 A=3.0
H165=16.5 A=3.0 H170=17.0 A=3.0
H175=17.5 A=3.0 H180=18.0 A=3.0
H185=18.5 A=3.0 H190=19.0 A=3.0
H195=19.5 A=3.0 H200=20.0 A=3.0
H205=20.5 A=3.0 H210=21.0 A=3.0 ...

G-Switch Specification:

- Operating temperature range: -40°C ~ +85°C
- Rating: 50mA, 12V DC
- Insulation resistance: 100MΩ min, 100V DC
- Dielectric strength: 250V AC for 1 min
- Contact resistance: 100mΩ max.
- Travel: 0.25±0.10mm



RECOMMENDED PCB LAYOUT
TOLERANCE: ±0.05



CIRCUIT DIAGRAM

5	COVER	STAINLESS IRON	
4	STEM	PPA AS-4133	BLACK
3	CONTACT	STAINLESS STEEL	Ag PLATING
2	TERMINAL	COPPER ALLOY C2680	Ag PLATING
1	BASE	PPA AS-4133	BLACK
NO.	PART NAME	MATERIAL	REMARK



SCALE: 1:1

UNIT: mm

SIZE: A4



Unless otherwise
General Tolerance:

X. ±0.25
X.x ±0.20
X.xx ±0.15
X° ±3°

Title: Vertical Tact Switch Pitch 8.0mm
SMT 6.0×6.0×5.0mm

Molde Code: GT-TB089A-H050-L1

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.01



REV: A0 SHEET: 1/1