



**CIRCUIT DIAGRAM**

**P.C.B LAND DIMENSION**

**GT-TCX89X-HXXX-LX**

**G-Switch**

**Operating Force**

A=160gf B=250gf  
C=100gf D=70gf  
E=130gf F=320gf  
G=400gf J=180gf

**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) A=ØA**

H043=4.3 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 ...

**Terminal Type**

O=DIMA8.5mm  
DIMB9.6mm  
A=DIMA9.2mm  
DIMB10.3mm

**G-Switch Specification:**

Operating temperature range: -30°C to +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 ± 0.1mm



**G-Switch Electronic (HongKong) CO.,Ltd.**

Unless otherwise specified, Tolerance:  
X. ±0.30  
X.x ±0.20  
X.xx ±0.15  
X.xxx ±0.10  
Angles ±3°

DESIGN LI CHUANG DATE 2019.05.29  
CHECKED DATE  
APPROVED DATE  
<http://www.dg-switch.com>  
TEL: 0769-82388879

Molde code:  
GT-TCX89X-HXXX-LX  
REV.: X1 SCALE: 4:1 UNIT: mm  
SIZE: A4 SHEET: 1/1