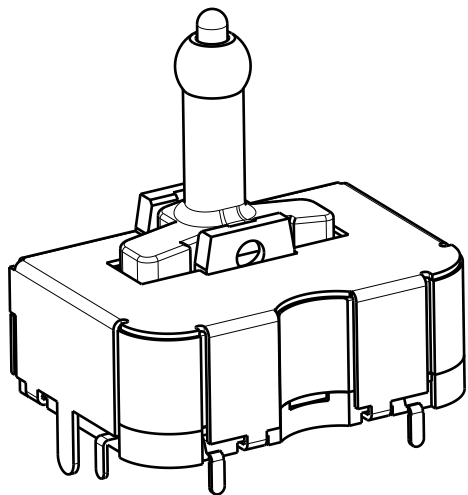
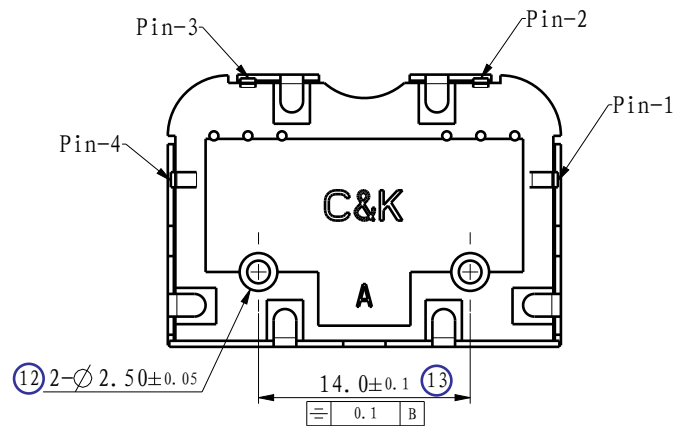
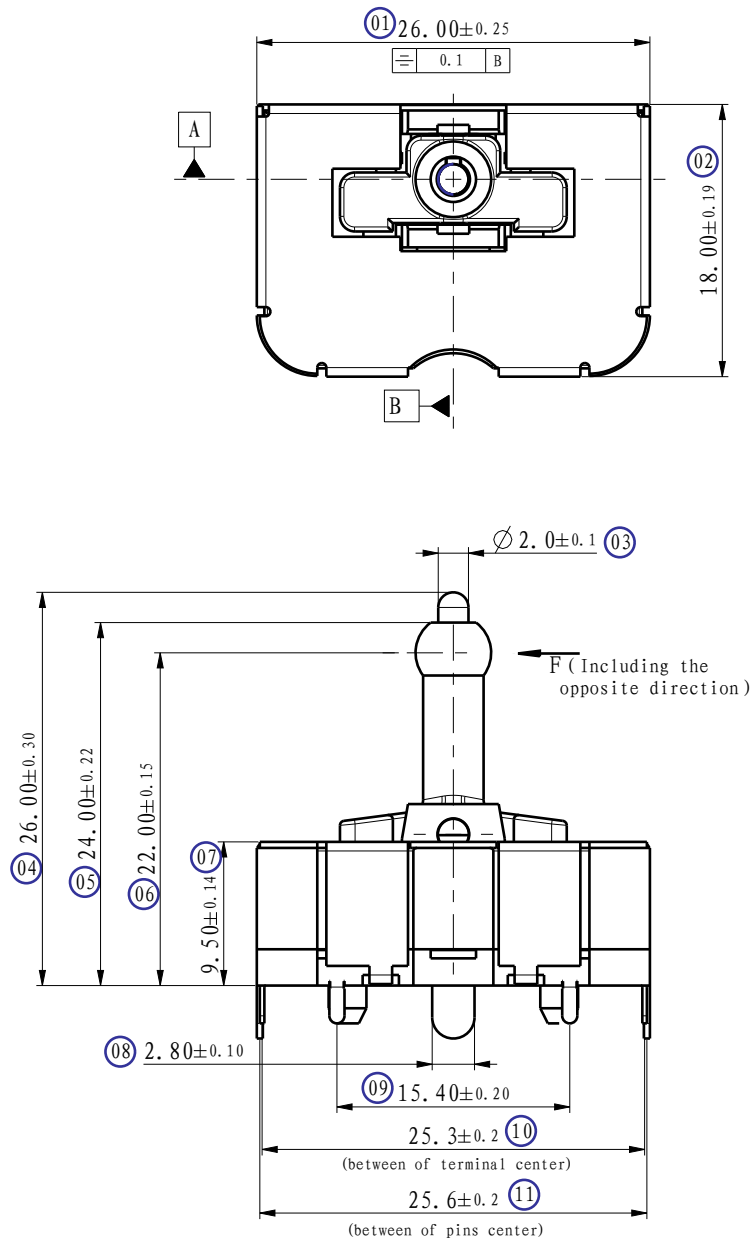
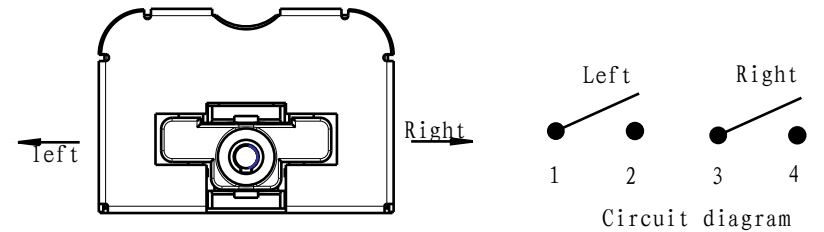
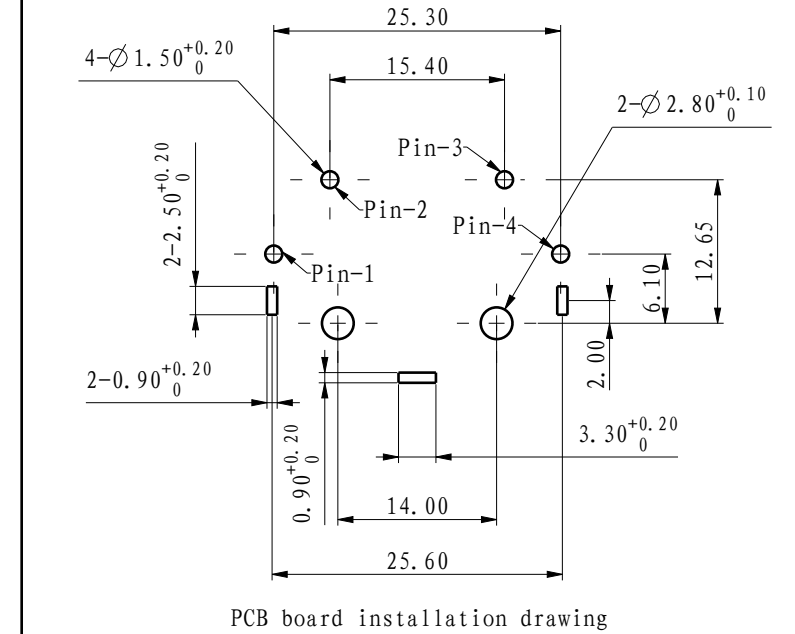





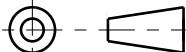

REV.	ECX NO.	DESCRIPTION	SIGNATURE	DATE
B	NA	Update the pin define Haptic redefine	Fred. zhang	2020/03/18
A	NA	Released	Fred. zhang	2018/06/15



操作力	Operating Force	6.5 ± 1.5N
负荷寿命	Operating life with load	50,000 cycles
接触行程	Travel for electrical contact	1.6 ± 0.3mm
额定负荷	Rated	DC 12-24 V 50-300 mA
初期接触电阻	Initial Contact Resistance	50 mΩ Max.
绝缘电阻	Insulation Resistance	DC 500 V 60 Sec. 10 MΩ Min.
抗电强度	Dielectric Voltage	AC 500 V (50-60Hz) 60 Sec.



- Note:
- Mechanical requirements:  
(testing force: 8N. Test position ball center of direction F).  
Electrical travel: 1.6 ± 0.3mm. Total travel: 2.5mm Max.  
Travel diff: 0.15mm Min. Operating force: F=6.5 ± 1.5N.  
Force diff each direction for the same part ≤ 1N.  
Return force: 1.2N Min. Tactile feeling: 40 ± 15%.
  - Electrical parameters:  
Rated current: 50-300mA. Rated voltage: 12-24VDC.  
Initial contact resistance ≤ 50mΩ;  
Durability test at each direction: ≥ 50K. Operating force decrease ≤ 25%,  
Contact resistance after test ≤ 1Ω. Insulation resistance ≥ 10MΩ.
  - Product should be RoHS compliance.  
Product should meet IP5K3 (waterproof: 3, dust: 5);  
Pushbutton strength ≥ 80N (test position: pushbutton ball center,  
Only one direction is tested for each product)  
Product should pass 48H salt spray test.  
No abnormal noise for shaking.  
Noise ≤ 40db during normal operation.

CREATED BY	Fred. zhang	DATE - MM/DD/YY	03/18/20	CRITICAL CHARACTERISTICS (CC) : VARIATION COULD AFFECT PRODUCT SAFETY OR COMPLIANCE WITH GOVERNMENT REGULATIONS	 0	SURFACE FINISH Ra : /				
APPROVED BY		DATE - MM/DD/YY	2020/03/18	SIGNIFICANT CHARACTERISTICS (SC) : VARIATION COULD AFFECT FUNCTION OR SATISFACTION OF CUSTOMER REQUIREMENTS	 0	LINEAR TOLERANCE ± 0.3				
DESCRIPTION	2 way Switch			PROJECTION						
STATE				IN DESIGN PHASE						
SCALE				2: 1			SIZE	A3	SHEET	1/1
REPLACE :										
				HUIZHOU						
SAM-L2-LR12SP						REV. B				