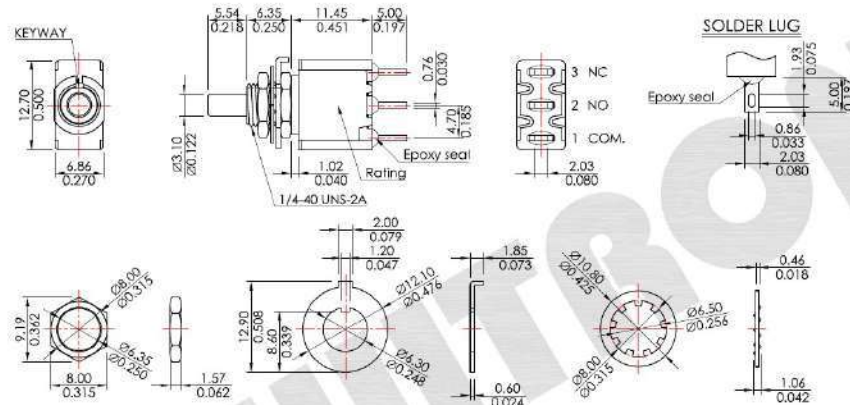


版本: V2.2

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Please do not decompose the switch without any permission from SWITRONIC, otherwise the quality and safety responsibility could not be guaranteed.
*本圖面若與目錄之規格尺寸不符，以本圖面規格尺寸為主。
Below is our main specification if different from catalog.

RoHS compliant



MODEL NO.	POS.1	POS.2
T701	ON	(ON)
Term. Com.	1-3	1-2
Schematic		

T701BTXXD-G

CONTACT AND TERMINAL MATERIAL	EPXY SEAL	RoHS compliant
Q Silver plated	Y Yes	
R Gold plated	N No	

SPECIFICATION

Rating: 1A @ 250V AC.
3A @ 120V AC or 28V DC
Contact resistance: 20mΩ Max. initial @2 - 4V DC
100mA for both Silver and Gold plated contacts.
Insulation resistance: 1000MΩ Min.
Withstand voltage: 1,000V RMS @seal level.
Operating temperature: -30°C ~ +85°C.
Mechanical life: 50,000 Cycles.
Soldering temperature: 250°C Max. for 3 sec
Soldering time: 1 time only.
Note1: Unwashable, don't be immersed by epoxy and organic solvent.
Note2: Please check the actual size, do not scale the drawing page.

MATERIAL

Case: Dialyl phthalate (DAP) (UL94V-0).
Plunger: Glass filled Nylon
Bushing: Brass, nickel plated.
Housing: Stainless steel.
Contact: Silver plated.
Terminal: Silver plated.

產品 PRODUCT	Pushbutton Switch	型號 MODEL NO.	T701BTQYD-G
製圖 DRAWN BY	檢圖 CHECKED BY	主管 APPROVED BY	單位 UNIT
Delon Lin	Chuck Young	Margaret Lee	mm
			比例 SCALE
			3 : 2
			公差 TOLERANCE
			.X=±0.4mm, .XX=±0.25mm

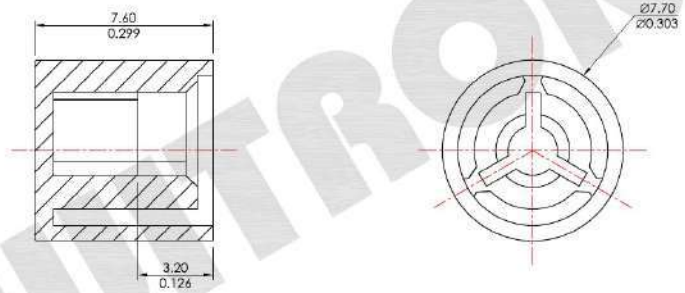


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E-MAIL: switches@ms36.hinet.net

版本: V2.2

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Below is our main specification if different from catalog.

RoHS compliant



RoHS compliant

T701C1XXD-G

CAP COLOR	
W	White
B	Black
R	Red
O	Orange
Y	Yellow
GN	Green
BU	Blue
BR	Brown
G	Gray



SPECIFICATION

Note1: Unwashable, don't be immersed by epoxy and organic solvent.
Note2: Please check the actual size, do not scale the drawing page.

MATERIAL

ABS.

產品 PRODUCT	Cap	型號 MODEL NO.	T701C1RD-G
製圖 DRAWN BY	檢圖 CHECKED BY	主管 APPROVED BY	單位 UNIT
Allon Liao	Chuck Young	Margaret Lee	mm
			比例 SCALE
			5 : 1
			公差 TOLERANCE
			.X=±0.3mm, .XX=±0.2mm



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版本 VER.	符號 SYMBOL	修改內容 ALTERATION	更新日期 DATE
V2.2	△		
V2.1	無	改版	2015.06.24
V2.0	無	新增製	2007.10.23

SWITRONIC INDUSTRIAL CORP.

MODEL NO: T70XXD SERIES

V2.1

V.DATE : 2017/04/24

1. Style

This specification describes “Snap-Acting Pushbutton Switches”, mainly used as signal switch of electric devices, with the general requirements of mechanical and electrical characteristic.

Operating Temperature Range : -30°C~+85°C.

2. Contact Rating:

2.1 Silver Plating Standard :

Plating		Rating
Q=Silver	Fixed Terminal : Silver plated over copper alloy. Movable contact : Silver plated over copper alloy.	3A @120VAC or 28VDC. 1A @250VAC.
C=Gold over silver	Fixed Terminal : Copper alloy with silver plated over gold plate. Movable contact : Copper alloy with silver plated over gold plate.	
S=Silver, pure-tin	Fixed Terminal : Copper alloy with silver plated , pure-tin. Movable contact : Silver plated over copper alloy.	
K=Gold over silver pure-tin	Fixed Terminal : Copper alloy with silver plated over gold plate, pure-tin. Movable contact : Copper alloy with silver plated over gold plate.	

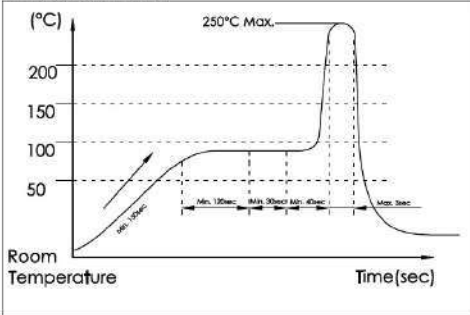
2.2 Gold Plating Standard :

Plating		Rating
R=Gold	Fixed Terminal : Copper alloy with gold plate over nickel plate.	0.4 VA Max. @20VAC or DC Max.
	Movable contact : Copper alloy with gold plate over nickel plate.	
G=Gold, pure-tin	Fixed Terminal : Copper alloy with gold plated over nickel plate, pure-tin.	
	Movable contact : Copper alloy with gold plated over nickel plate.	

3. Type of Actuation: Snap-Acting Pushbutton Switches.

4. Test Sequence:

ELECTRIC PERFORMANCE	ITEM	DESCRIPTION	TEST CONDITIONS	REQUIREMENTS
	1	Visual Examination	By Visual Examination check without and out pressure & testing.	There shall be no defects that affect the serviceability of the product.
	2	Contact Resistance	@2-4VDC 100mA. For both silver and gold plated contacts.	20mΩ Max.
	3	Insulation Resistance	Measurements shall be made following application of 1000 V/DC 100mA potential across terminals and cover for 1 minute.	1000MΩ min.
	4	Dielectric Withstanding Voltage	1000 VAC(50Hz or 60Hz)0.5mA shall be applied across terminals and cover for 1 minute.	There shall be no breakdown or flashover.

MECHANICAL PERFORMANCE		ITEM	DESCRIPTION	TEST CONDITIONS	REQUIREMENTS
		5	Solder Heat Resistance	<p>①Manual Soldering : Soldering Temperature : Max. 350°C Continuous Soldering Time : Max. 3 seconds.</p> <p>②WAVE Soldering : Soldering Temperature:250°C. Duration of Solder Immersion: 3 seconds.</p> <p>Temperature Profile</p>  <p>③Frequency of Soldering Process 1 times max. (PCB is 1.6mm in thickness)</p> <p>■ Precautions in Handling Care should be exercised so that flux from the upper part of the printed circuit board does not adhere to the switch.</p>	<p>① Shall be free from pronounced backlash and falling-off or breakage terminals.</p> <p>② As shown in item 2-4.</p>
6	Vibration	<p>Shall be vibrated in accordance with Method 201A of MIL-STD-202F</p> <p>①Frequency: 10-55-10Hz in 1-min/cycle.</p> <p>②Direction: 3 vertical directions including the directions of operation</p> <p>③Test time:2 hours each direction.</p>	As shown in item 2~4.		

	ITEM	DESCRIPTION	TEST CONDITIONS	REQUIREMENTS
MECHANICAL PERFORMANCE	7	Shock	Shall be shocked in accordance with Method 213B condition A of MIL-STD-202F ①Acceleration: 50g ②Action time: 11±1m seconds. ③Testing Direction: 6 sides. ④Test Cycle: 3 times in each direction	As shown in item 2~4.
	8	Actuation Force	①MODEL-1305N MECHANICAL TEST 500gram 、1000gram 、 2000gram. ②TRAVEL : 1.0±0.2mm.	At for test the force. ①Force : 350±100grams. ②TRAVEL : 1.0±0.2mm
OPERATING LIFE	9	Operating Life	Measurements shall be made following the test forth below: ①1A@250VAC resistive load—silver plated. 3A@120VAC resistive load—silver plated. 0.4VA max@ 20VAC max resistive load—gold plated. ②Rate of Operation: 6-8operation cycles per minute. ③Electronics Life Test: 6,000 cycles.	①Dielectric Strength : 1000V. ②Insulation Resistance: 1000MΩ min.
			Mechanical Life Test: 50,000 cycles.	Contact Resistance: 20mΩ Max.
HUMIDITY RESISTANCE	10	Resistance Low Temperature	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for 1 hour before the measurements are made: ①Temperature: -30±3°C ②Time: 96 hours.	As shown in item 2~4.

HUMIDITY RESISTANCE	ITEM	DESCRIPTION	TEST CONDITIONS	REQUIREMENTS
	11	Resistance High Temperature	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before the measurements are made: ①Temperature:85±2°C ②Time:96 hours.	①As shown in item 3-4. ② Insulation Resistance: 1000MΩ.
	12	Resistance Humidity	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before the measurements are made: ①Temperature:40±2°C ②Relative Humidity:90~95% ③Time:96 hours.	①Contact Resistance: 20mΩ Max. ②Insulation Resistance: 1000MΩ min.
	13	The Salt Testing	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for an hour before the measurements are made: ①Temperature:35±2°C ②The ratio of salt-water : 5% ③The spray amout of salt- water : 1-2 ml/h. ④Time:48 hours.	The testing standard based on bubble, crack, And magnifying glass with gauge.