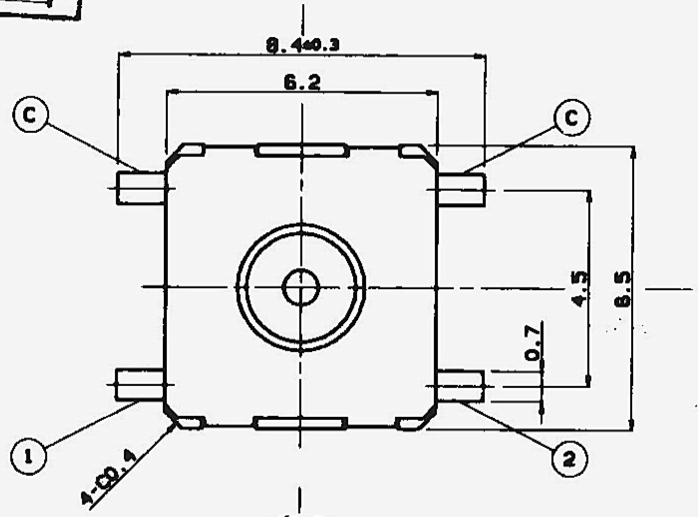
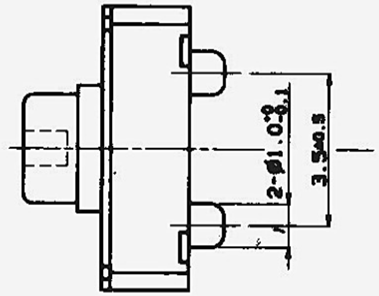
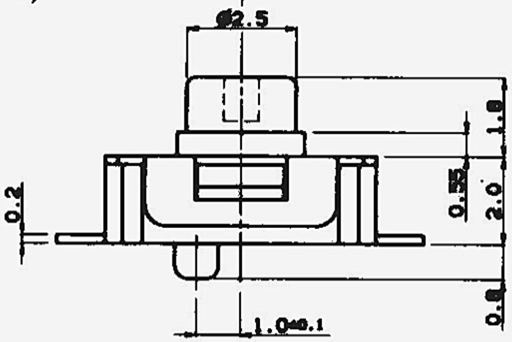
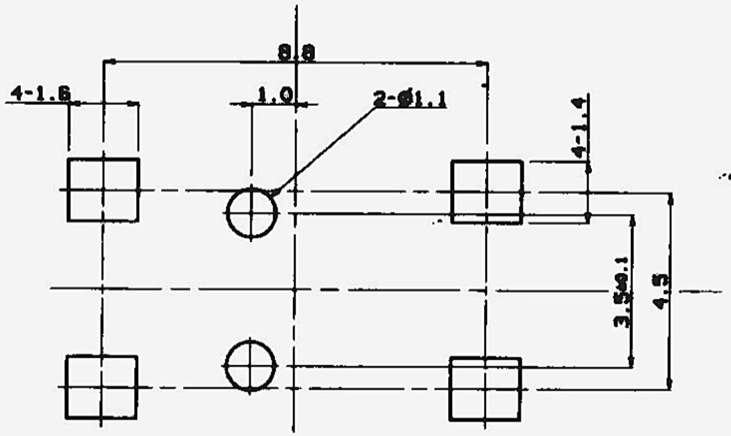
原图

MODEL NO	CODE	O/FORCE	STEM COLOR	REMARKS
JTP 2100SW	12897000	(1st)100±40gf (2nd)250±80gf	IVORY	
JTP 2100W	12826000		BLACK	

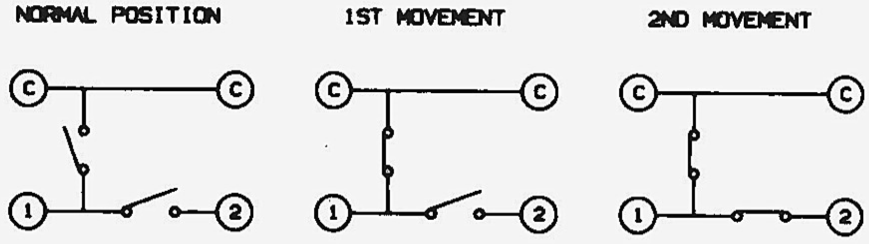








P.C.B MOUNTING PATTERN



CIRCUIT DIAGRAM

NOTE
1. RATING : DC 30V, 20mA
2. CONTACT RESISTANCE : 200mΩ Max
3. STROKE : 1ST - 0.3±0.1, 2ND - 0.55±0.15
4. LIFE CYCLE : 10,000
5. GENERAL TOLERANCE : ±0.3
6. MANUFACTURING SPECIFICATION WOULD BE ACCORDANCE WITH JT 0122

No.	PART NAME	Q'TY	MATERIAL	SIZE	TREAT.	REMARKS

NO.	DATE	NOTE	SIGN				
				3RD ANGLE PROJECTION	UNIT m/m	SCALE 5 : 1	MODEL JTP 2100 SERIES
				APPROVED	CHECKED	DESIGNED	DWG. NAME ASS'Y DIAGRAM
1	08.08.22	[illegible]					DWG. NO.

◆ IEIL PRODUCTS LTD.

1. GENERAL

1.1 Application : This specification is applied to low current circuit tactile switch for electronic equipment.

1.2 Operating temperature range : -20~70℃, 45~85% RH

1.3 Storage temperature range : -30~80℃ However, 96 hours maximum for continuous storage over a range -20~-30℃ and a range 70~80℃

1.4 Test conditions : The standard test conditions shall be 5~35℃ in temperature, 45~85% RH and 860~1060mbar in atmospheric pressure. Should any doubt arise in judgement, test shall be conducted at 20±2℃, 65±5% RH and 860~1060mbar.

2. RATED VOLTAGE AND CURRENT.

DC 30V 20mA

3. ELECTRICAL PERFORMANCE

	PROPERTY	TEST CONDITIONS	PERFORMANCE
3.1	Contact arrangement		*1 pole, 2 throw
3.2	Contact resistance	Measured at DC 5V 10mA or by ohmmeter allowing a small current at 1KHz with a load of twice of the actuating force.	*less than 200mΩ
3.3	Insulation resistance	DC 100V is applied between across terminals and between terminals and cover for 1 minute ± 5 seconds.	*greater than 50MΩ
3.4	Dielectric strength	AC 250V (50~60Hz) is applied between across terminals and between terminals and cover for 1 minute.	*No insulation defect shall be observed.
3.5	Bounce	Measured by lightly striking the center of the stem at a rate of 3 operations/sec..	*less than 10m sec

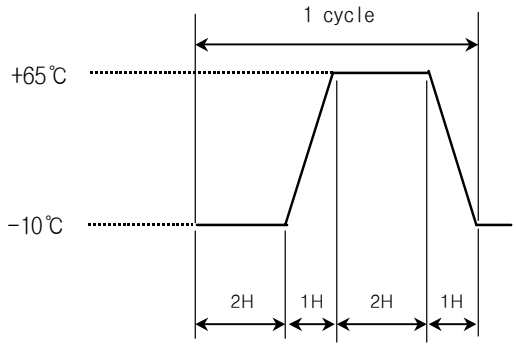
4. MECHANICAL PERFORMANCE

	PROPERTY	TEST CONDITIONS	PERFORMANCE
4.1	Operating force	A gradually increasing load is applied to the center of the stem.	*As per individual manufactured drawing.
4.2	Travel		
4.3	Stop strength	A static force of 3Kgf shall be applied to the direction of the stem operation for 3 seconds.	*Shall be free from mechanical and electrical abnormalities.
4.4	Stem withdrawal force	A static load of 500gf is applied to the direction of the stem pulling for 3 seconds.	*Shall be free from mechanical and electrical degradation.
4.5	Arrangement of action		*Tactile feed-back.

5. DURABILITY

	PROPERTY	TEST CONDITIONS	PERFORMANCE
5.1	Operating life	10,000 cycles operation with a maximum value of actuating force at a rate of 2 cycles/sec. With a resistive load supplying DC 30V 20mA.	*Contact resistace : 300mΩ max. *Bounce : 10m sec max. *Insulation resistance : 10MΩ min. *Dielectric strength : same as item 3.4.
5.2	Cold heat proof	After testing at −30±2℃ for 96hours, the sample is allowed to stand under normal temperature and humidity conditions for 1hour and measurement is performed within 1hour after that. Water drops should be wiped off.	

5. DURABILITY

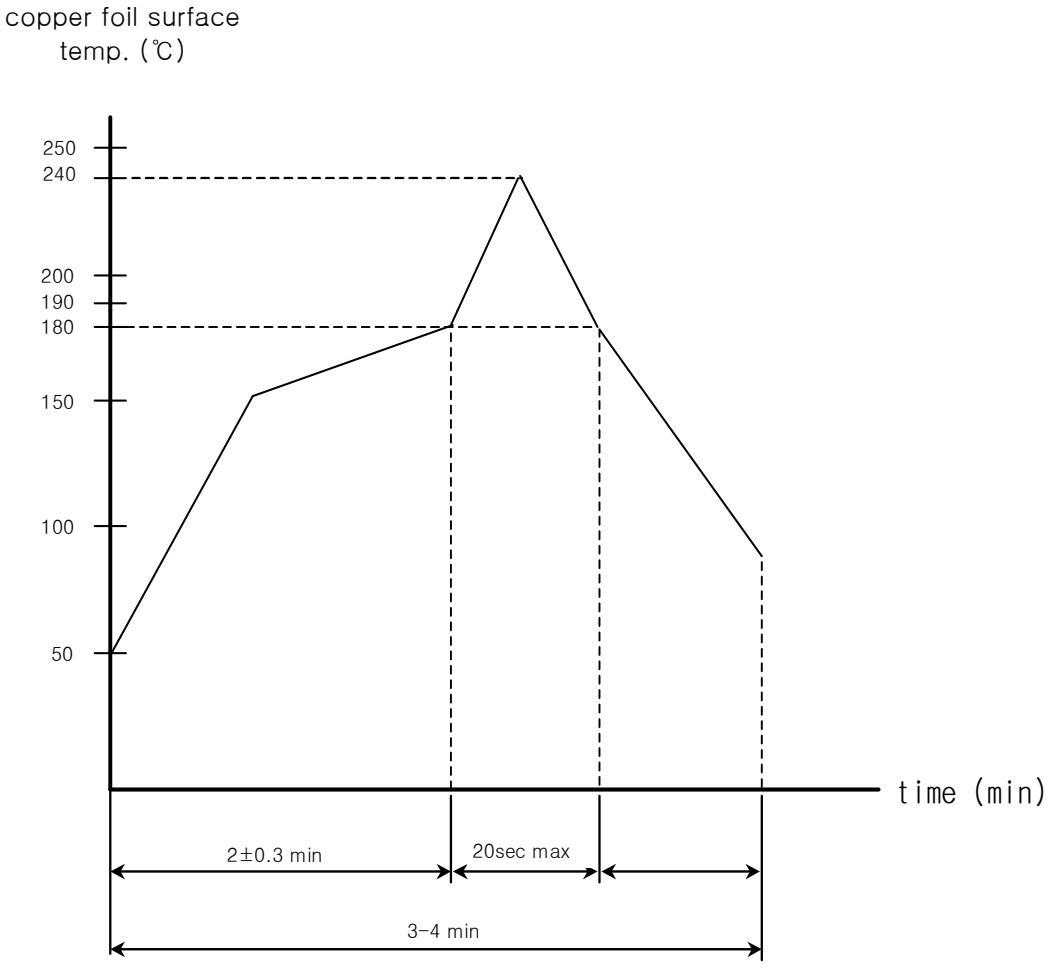
	PROPERTY	TEST CONDITIONS	PERFORMANCE
5.3	Dry heat proof	After testing at 85±2℃ for 96hours, the sample is allowed to stand under normal temperature and humidity conditions for 1hour and measurement is performed within 1hour after that.	*Contact resistace : 300mΩ max. *Bounce : 10m sec max. *Actuating force : within ±30% of the initial value. *Insulation resistance : 10MΩ min. *Dielectric strength : same as item 3.4.
5.4	Damp heat proof	After test at 60±2℃ and 90~95% in relative humidity for 96hours, the sample is allowed to stand under normal temperature and humidity conditions for 1hour, and measurement is performed within 1hour after that. Water drops should be wiped off.	
5.5	Thermal cycling	 After the test conducted under 5 cycles the sample is allowed to stand under normal temperature and humidity conditions for 1 hour, and the measurement is performed within 1 hour.	

6. Refolw soldering

6.1 Reflow soldering conditions

Preheat --- Temperature on the copper foil surface should reach 180℃, 2±0.3 minutes after the PWB entered into the soldering heat zone.

Soldering heat --- Temperture on the copper foil surface should reach the peak temperature of 240℃ within 20 seconds after PWB entered into soldering heat zone.



<Temperature profile>

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