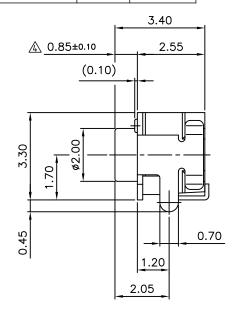


	MODEL	ERP CODE	O/FORCE	STEM COLOR
	JTP 1133R	110011133034	160 ± 50gf	IVORY
<u> </u>	JTP 1133HR	110011133057	80 ± 40gf	GRAY
◬	JTP 1133RE	110011133070	160 ± 50gf	RED



#### NOTE

1. RATING : 50mA , 12VDC

2. CONTACT RESISTANCE : 500m Ω Max

3. TRAVEL : 0.2 ±0.1mm

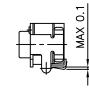
4. LIFE CYCLES : 100,000 CYCLES

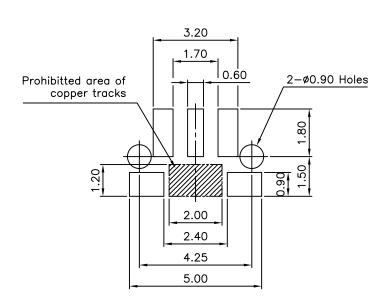
5. GENERAL TOLERANCE : ±0.3

6. MANUFACTURING SPECIFICATION WOULD BE ACCORDANCE WITH JT0141-LF

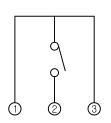
⚠ 7. TER' AND TER' VARIATION HAVE TO BE IN
0.1mm AFTER TER' BENDING

<u>^</u>	모델 파생	2009.07.22	L.F	
ß	사양 추가	2008.12.10	U.H.KIM	
4	설계 변경	2008.07.24	U.H.KIM	
⅓	모델 파생	2008.07.03	U.H.KIM	
<u> </u>	Ter'l 형상 혼돈에 따른 도면변경	2007.11.22		
$\triangle$	T/Case Ter'l 형상 현실화 [ 도면 Redrawing ]	2007.04.16		
RevNo	Revision note	Date	Signature	Checked





P.C.B MOUNTING SOLDER LAND DIMENSION



CIRCUIT DIAGRAM

Item	material e	etc	SL K	UIT O R	EA			
Designed by         Checked by         Approved to T.H.OH           U.H.KIM         M.W.SHIN         T.H.OH					Filename	Date 2008.12.10		Scale 10/1
MODEL N	AME TA	CT SWITCH		PART NAME ASS'Y DIAGRAM				
MODEL N	JTF	P-1133R SE	ERIES	CODE	NO.		Edition 3	Sheet 1/1

1.4 Test Conditions: The standard test conditions shall be 5℃~ 35℃ in temperature,

65±5% RH and 860~1060mbar.

## 2. RATED VOLTAGE AND CURRENT

DC 12V 50mA

### 3. ELECTRIC PERFORMANCE

	PROPERTY	TEST CONDITIONS	PERFORMANCE
3.1	Contact arrangement		*1 pole, 1 throw
3.2	Contact resistance	Measured at DC 5V 10mA or by ohmmeter allowing a small current at 1KHz with 150% of Actuating force.	*less than 500mΩ
3.3	Insulation resistance	DC 100V is applied between terminals and between terminals and cover for 1 minute $\pm$ 5 seconds.	*greater than 100MΩ
3.4	Dielectric strength	AC 250V (50~60Hz) is applied between 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 5m sec.

						APPD	CHKD	DSGD	TITLE
						4		1-6-4 0	
작동온도 변경	1	08.06.26			m.j.kim	2	*	1 hors	DOCUMENT JT0141-LF
ZONE	SYMB	DATE	APPD	CHKD	DSGD	1	,	(	NO. 310141-LF

		the stem retains to its has position.	
4.3	Stop strength	A static force of 3Kgf shall be applied to the direction of 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 pulling for 3 seconds.	*Shall be free from mechanical and electrical degradation.
4.5	Solderability	Dip in the solder bath of temperature 230±2°C for 2±0.5(sec) after dipping in the flux of room temperature for 5 sec to 10 sec.  The solder shall be covered on 90% min of dipping area on the plating surface.	
4.6	Travel		*As per individual menufactured drawing.
4.7	Arrangement of action		*Tactile feed-back.

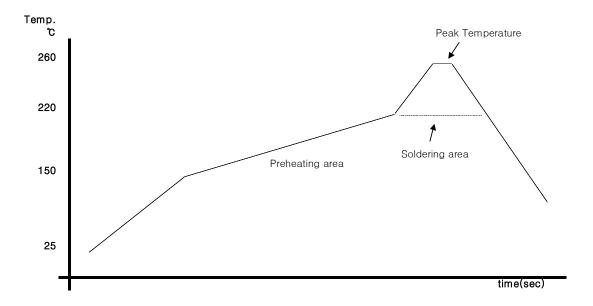
# 5. DURABILITY

	PROPERTY	TEST CONDITIONS	PERFORMANCE
5.1	Operating life	*100,000 cycle operation with a load of 150% of	*Contact resistance: 500mΩ max. *Bounce: 20m sec max. *Actuating force: Within ±30% of the initial value.
5.2	Shock resistance	An impact load of 30g is applied according to the method 205. MIL-STD 202.	*The requirement in item 3 and 4 shall be met.

						APPD	CHKD	DSGD	TITLE	
								Ities a		
						2	×	\$ 200 G	DOCUMENT JT0141-LF	
ZONE	SYMB	DATE	APPD	CHKD	DSGD	- N			NO. 310141-LF	

		water drops should be wiped on.	
6.2	Dry Heat Proof	After testing at 85°C for 96hrs. The sample is allowed to stand under normal temperature and for 1 hour and measurement is performed within 1hour after that.	*The requirement in item 3 and 4 shall be satisfied.
6.3	Damp Heat Proof	After testing at 60±2°C and 90~95% in relative humidity for 96hrs, the sample is allowed to stand under normal temperature and humidity conditions for 1 hour and measurement is performed within 1 hour after that.  Water drops should be wiped off.	*Insulation resistance: 10MΩ min. *Dielectrid strength: same as item 3.4 *Contact resistance: same as item 3.2
6.4	Thermal cycling	After the test contacted under 5cycles, the sample is allowed to stand under normal temperature and humidity conditions for 1 hour, and the measurement is performed within 1 hour.	*The requirement in item 3 and 4 shall be met.

						APPD	CHKD	DSGD	TITLE
						1		Itua	
						2	*	1 to 3	DOCUMENT JT0141-LF
ZONE	SYMB	DATE	APPD	CHKD	DSGD	, 4	,		NO. 310141-LF



< Temperature profile >



7.2 Manual soldering conditions

1) Soldering temperature : less than 350℃.

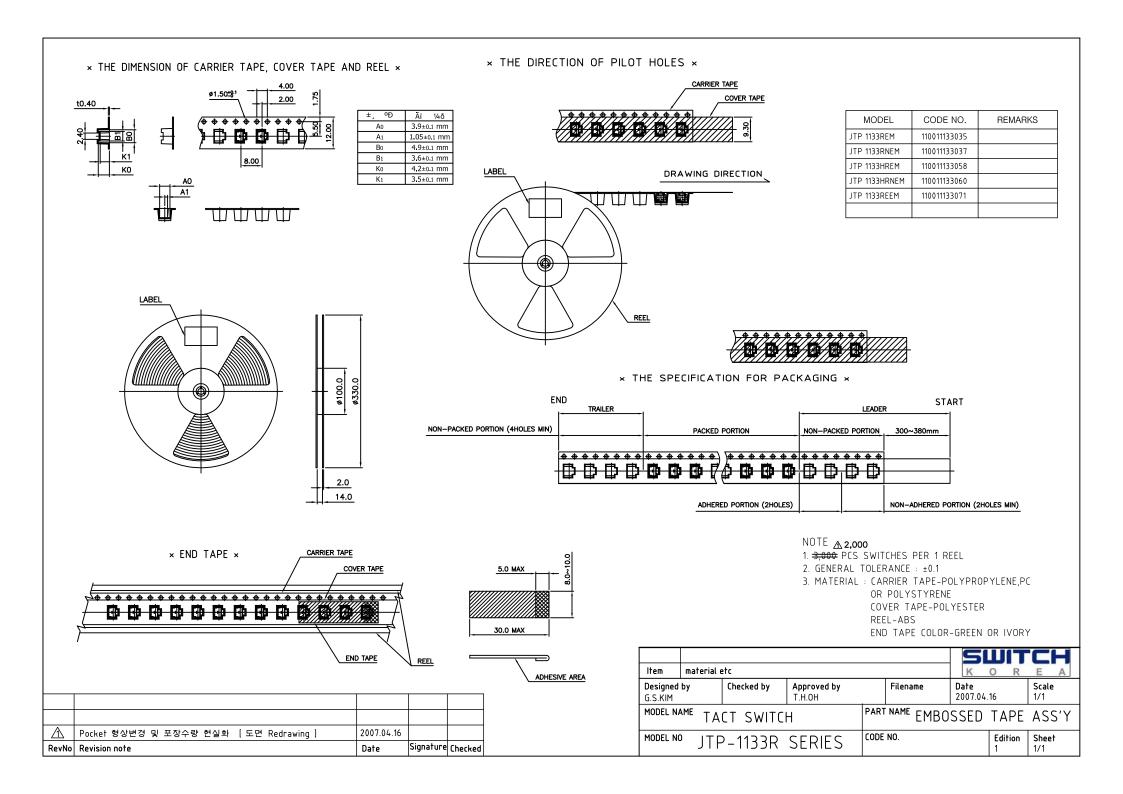
2) Soldering time: Within 3 seconds

						APPD	CHKD	DSGD	TITLE	
						1.		140		
Soldering 사양추가	$\triangle$	07.05.09				2	<b>X</b>	1 hors	DOCUMENT	JT0141-LF
ZONE	SYMB	DATE	APPD	CHKD	DSGD	1		( ·	NO.	J10141-LF

(The above item is certified to use with following materials.)

No.	구성부품명		원재료(Mate	rial)		난연성	UL	색상
INO.	(Part name)	Material name	Treatment	Manufacturer	Nationality	(Flame cless)	(File No.)	(Color)
1	CASE	PPA		SOLVAY	USA	UL 94V0	E95746	BLACK
2	BRACKET	TIN PLATE	Sn Plating	DONG BU	KOREA			
3	STEM	PPA		SOLVAY	USA	UL 94HB	E95746	NATURAL (IVORY)
4	TERMINAL	BRASS	Ag Plating	POONG SAN	KOREA			
5	CONTACT	STAINLESS STEEL	Ag Clad	TOYO SETHAKU	JAPAN			
6								
7								
8								
9								
10								
11								
12								
13								
14								

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