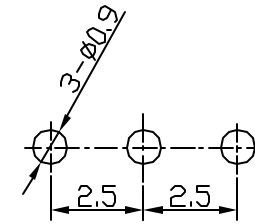
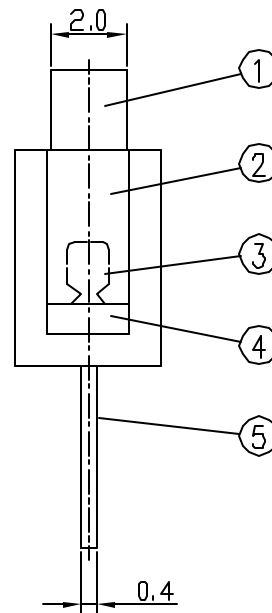
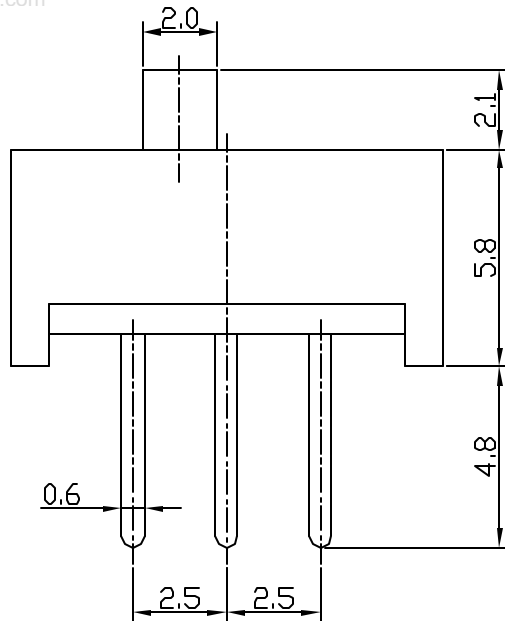


SCHEMATIC




HOLE LAYOUT

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ALL DIMS ARE GIVEN IN mm

NO.	PART NAME	MATERIAL	QTY	FINISHING
5	TERMINAL	BRASS	1	Ag PLATED
4	BOTTOM SHEET	PHENOLIC RESINS	1	BLACK
3	CLAMP	PHOSPHOR BRONZE	1	Ag CLAD
2	PLASTIC BOX	POM	1	BLACK
1	PLASTIC BODY	POM	1	BLACK


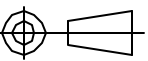
PROJECTION		 Research Develop Innovate RDI, Inc. 400 Columbus Avenue Valhalla, NY 10595		
SCALE 5:1		TITLE SLIDE SWITCHES		
TOLERANCE EXCEPT AS NOTED		DR. LUCIA	DATE 05/13/04	REF. P/N: SS-12E01-G2.1
DEC. MILLIMETERS		CK. JOEY	PRE- SW	DRAWING NO. 1956
0 ~ 10 ±0.2 10 ~ 60 ±0.3		SIZE F		SHEET 1 OF 2
ANG. ±3°		THIS DOCUMENT IS OWNED BY, AND THE INFORMATION CONTAINED IN IT IS PROPRIETARY TO, RDI. BY RECEIPT HEREOF THE HOLDER AGREES NOT TO USE THE INFORMATION AND NOT TO DISCLOSE IT TO ANY THIRD PARTY, NOR REPRODUCE THIS DOCUMENT WITHOUT THE WRITTEN CONSENT OF RDI, AND TO RETURN THIS DOCUMENT FORTHWITH UPON REQUEST.		

ECN#	DATE	SYM	REVISION RECORD	AUTH	BY

1. RATING : DC 50V 0.5A			
2. FUNCTION : 1P2T			
3. ELECTRICAL : NON-SHORTING			
	ITEM	TEST CONDITIONS	PERFORMANCE
4	PRACTICAL TEMPERATURE RANGE	-16°C ~ + 60°C	
5	STANDARD ATMOSPHERIC CONDITIONS	NORMALLY,THE STANDARD RANGE OF ATMOSPHERIC CONDITION FOR MAKING MEASUREMENTS AND TESTS ARE AS FOLLOWS: (1) AMBIENT TEMPERATURE: 5 °C TO 35 °C (2) RELATIVE HUMIDITY: 45 % TO 85 %	
6. ELECTRICAL CHARACTERISTICS			
6.1	CONTACT RESISTANCE	MEASURED AT SMALL CURRENT(100mA OR LESS) 1000Hz	80 mΩ MAX.
6.2	INSULATION RESISTANCE	APPLY A VOLTAGE OF 500V DC SHALL BE APPLIED FOR 1 MIN. AFTER WHICH MEASUREMENT SHALL BE MADE. (1) BETWEEN TERMINALS. (2) BETWEEN INDIVIDUAL TERMINALS AND FRAME.	100 MΩ MIN.
6.3	DIELECTRIC STRENGTH	AC 500V rms(50 - 60 HZ) FOR 1 MIN TRIP CURRENT: 0.5 mA (1)BETWEEN TERMINALS. (2) BETWEEN INDIVIDUAL TERMINALS AND FRAME.	NO DAMAGE TO PARTS ARCING OR BREAKDOWN ETC.
7. MECHANICAL CHARACTERISTICS			
	ITEM	TEST CONDITIONS	PERFORMANCE
7.1	OPERATING FORCE	MEASUREMENT SHALL BE MADE AT THE NEAREST POINT OF THE COMPONENT OR AT THE POINT 3mm FROM THE TIP ON THE ACTUATOR(KNOB).	200gf± 50gf
7.2	TERMINAL STRENGTH	A STATIC LOAD OF 300 gf SHALL BE APPLIED TO TERMINAL FOR 15 SEC. IN ANY DIRECTION.	CHARACTERISTICS SHALL BE SATISFIED WITHOUT DAMAGE OR EXCESSIVE LOOSENESS OF TERMINALS.
7.3	DISPLACEMENT OF ACTUATOR (KNOB)	A STATIC LOAD OF 10N(1Kgf) SHALL BE APPLIED TO THE TOP OF THE ACTUATOR (KNOB) AND THEN DISPLACEMENT SHALL BE MEASURED TO THE DIRECTION OF THE ARROW.	THE LEVER SHALL HAVE NO SERIOUS DEFORMATION AND FUNCTION IS NORMALLY WORK.
7.4	LIFE TEST	ENDURANCE WITHOUT LOAD: A SWITCH SHALL BE SUBJECTED TO 10,000 CYCLES AT A SPEED OF 25 TO 30 CYCLES PER MINUTE WITHOUT LOAD.	AFTER TESTING: (1)CONTACT RESISTANCE: 100mΩ MAX. (2)INSULATION RESISTANCE: 100MΩ MIN. (3)WITHSTAND VOLTAGE: AC500V,1 MINUTE. (4)OPERATING FORCE : ± 30% INITIAL VALUE . (5)WITHOUT DAMAGE TO PARTS ARCING OR BREAKDOWN ETC .

8. DURABILITY:

	ITEM	TEST CONDITIONS	PERFORMANCE
8.1	SOLDERABILITY TEST	THE TOP OF THE TERMINALS SHALL BE DIPPED 2mm IN THE SOLDER BATH OF 230 ± 5°C FOR 3± 0.5 SECONDS.	THE AREA OF SOLDERING SHOULD BE OVER 75%
8.2	RESISTANCE TO SOLDERING HEAT TEST	SOLDER BATH METHOD: SOLDER TEMPERATURE 260± 5°C,IMMERSION TIME 3± 0.5 SEC.IMMERSION DEPTH UP TO THE SURFACE OF THE BOARD THICKNESS OF PRINTED WIRING BOARD 1.6mm DIMENSIONS OF COMPONENT HOLES IN THE PRINTED WIRING BOARD SHALL BEING ACCORDANCE THE SPECIFICATION.	WITHOUT DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF TERMINALS ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED.
8.3	COLD TEST	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF -20± 3°C FOR 96HOURS.THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITION FOR 1HOUR AFTER WHICH MEASUREMENT SHALL BE MADE.	THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART.
8.4	HEAT TEST	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF 85± 2°C FOR 48 HOURS, THEN IT SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE.	
8.5	HUMIDITY TEST	THE SWITCH SHALL BE STORED AT A TEMPERATURE OF 40± 2°C AND A HUMIDITY OF 90% TO 96 % FOR 96 HOURS. THEN THE SWITCH SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITION FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE.	

PROJECTION		 Research Develop Innovate RDI, Inc. 400 Columbus Avenue Valhalla, NY 10595		
		TITLE SLIDE SWITCHES SPECIFICATION		
SCALE N/A	DR. LUCIA	DATE 06/22/04	REF. P/N: SS-12E01-G2.1	SHEET 2 OF 2
TOLERANCE EXCEPT AS NOTED	CK. JOEY	PRE- SW	DRAWING NO. 1956	SIZE F
DEC. INCHES N/A	REV. -			
DEC. MILLIMETERS N/A	THIS DOCUMENT IS OWNED BY, AND THE INFORMATION CONTAINED IN IT IS PROPRIETARY TO, RDI, BY RECEIPT HEREOF THE HOLDER AGREES NOT TO USE THE INFORMATION AND NOT TO DISCLOSE IT TO ANY THIRD PARTY, NOR REPRODUCE THIS DOCUMENT WITHOUT THE WRITTEN CONSENT OF RDI, AND TO RETURN THIS DOCUMENT FORTHWITH UPON REQUEST.			
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