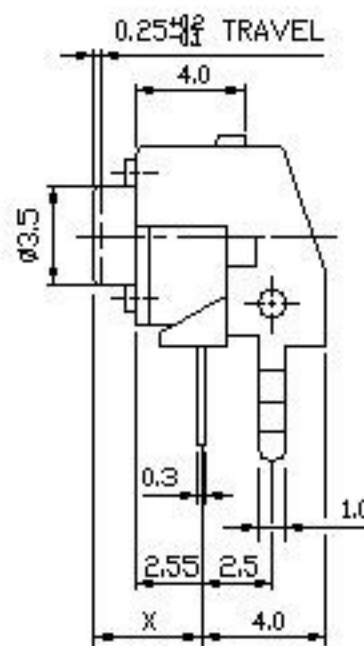
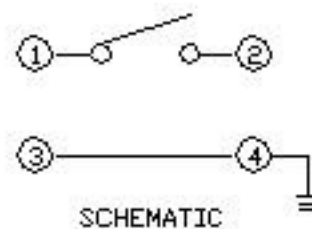
P.C.B. HOLE DETAIL
(TOP VIEW)

NOTES:

1. ALL DIMS. ARE GIVEN IN MM
2. FOR SPECS. SEE SHEET 2 OF 2.

FRONT
EDGE

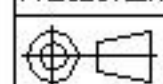
ORDERING INFO:

EX. ORDER NUMBER: RTS-1225
REFERENCE NUMBER: 1 2 3 4

1. SERIES CODE: RTS - PCB PUSH BUTTON SWITCH
2. MODEL NUMBER: 1225
3. TOTAL HEIGHT: X-A - 3.15MM
B - 3.85MM
C - 5.85MM
D - 8.35MM
4. OPERATING FORCE: L=120gf
S=160gf
H=260gf

SPRING PLATE	PHOSPHOR COPPER	1	t=0.06mm
TERMINAL	BRASS	2	PLATING SILVER
BASE	PLASTIC	1	BLACK
BUTTON	PLASTIC	1	GRAY
CASE	TINPLATE	1	t=0.40mm
DESCRIPTION	MATERIAL	Q'TY	REMARK

PROJECTION

SCALE
NONE

Research • Development • Innovation

RDI, Inc. 484 Columbus Avenue • Wallingford, CT 06495

TITLE
TACT SWITCH

TOLERANCE EXCEPT AS NOTED	DRG. JOEY	DATE 8/19/02	REF. P/N: RTS-1225 SERIES	SHEET 1 OF 2
DEC. INCHES N/A	CK SL	PRE- SW	DRAWING NO. 0803	SIZE F
DEC. MILLIMETERS ±0.3	ANG ±1°			REV. 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 AGREES TO RETURN THIS DOCUMENT FORTHWITH UPON REQUEST.

SPECIFICATIONS:

1. Scope:

This approval sheet specifies for tact switch RTS-1225 SERIES Features, Applications, Explanation, Mechanical characteristics, Electrical characteristics, Material list, Marks and quality records of delivered goods.

2. Features:

- 2.1 Micro-miniature, light operating force.
- 2.2 Insert molding in the contact prevents flux build-up during soldering
- 2.3 Snap-in type, can be mounted directly on P.C board.

3. Applications:

Operating in all types of electronic equipment such as telephone audio instruments, TV sets, VCR, etc.

4. Rating: DC12V 50mA

5. Mechanical characteristics:

- 5.1 Operating force: 160 ± 50 gf.
- 5.2 Pre-travel: 0.25 ± 0.1 mm
- 5.3 Operating feeling: Sensitive snap action and good swing
- 5.4 Operating temperature range: -15°C to $+60^{\circ}\text{C}$
- 5.5 Storage temperature range: -25°C to $+70^{\circ}\text{C}$
- 5.6 Ambient humidity used: $<85\%$ RH

6. Case size: refer to attached drawing.

7. Electrical characteristics:

7.1 Work element:

To make an open or close circuit through spring plate.

7.2 Contact resistance:

Measurement shall be made with a contact resistance KY2521 under the condition which a voltage of 5V and a current of 0.1A shall be applied between terminals: $100\text{m}\Omega$ Max.

7.3 Insulation resistance:

Measurement shall be made with an insulation resistance meter TH2681A under the condition which a voltage of 250V DC shall be applied between terminals and frame: $100\text{M}\Omega$ Min.

7.4 Withstand voltage:

Measurement shall be made under the condition which a voltage of 250V AC shall be applied between terminals and frame for one minute: There shall be no breakdown.

7.5 Mechanical life:

Mechanical life test shall be made under the conditions which no load and operating speed of 60 cycles/minute shall be applied during testing: 100,000 cycles Min.

7.6 Electrical life:

Electrical life test shall be made under the conditions which the load of DC12V 50mA and operating speed of 30 cycles/minute shall be applied during testing: 100,000 cycles Min.

8. Strength:

8.1 Stem strength: $F=3\text{N}$ 8.2 Terminal strength: $F=3\text{N}$

9. Solderability and Solder heat resistance

9.1 Solderability:

The top of terminals shall be dipped in the solder bath of $230 \pm 5^{\circ}\text{C}$ for 3 seconds: A new uniform coating of solder shall cover a minimum of 90% of the surface being immersed.

9.2 Solder heat resistance:

The top of terminals shall be dipped in the solder bath of $245 \pm 5^{\circ}\text{C}$ for 5 seconds: Without harmful damage in appearance, mechanical characteristics and electrical characteristics.

10. Marks and quality records of delivered goods:

10.1 Package boxes or package bags of goods should be attached labels or marks of Model No., Quantity and Pursuing No. of quality.

10.2 There should be the records of inspection and test in the package boxes of goods.

11. Application note:

11.1 All parts of the switches can not be unfrozen before soldering.

11.2 Switches can not be blown with air gun or cleaned with solvent after soldering.

NOTE:
FOR TACT SWITCH SEE SHEET 1 OF 2.

PROJECTION		 Research • Development • Innovation RD, Inc. • 400 Columbus Avenue • Yonkers, NY 10506			
		TITLE TACT SWITCH			
SCALE NONE		DR. JOEY	DATE 8/27/02	REF. P/N RTS-1225 SERIES	SHEET 2 OF 2
TOLERANCES EXCEPT AS NOTED		OR. SL	PRE-SW	DRAWING NO. 0803	SIZE F
DEC. INCHES N/A		REV. A			
DEC. MILLIMETERS ± 0.3		THIS DOCUMENT IS OWNED BY, AND THE INFORMATION CONTAINED ON IT IS PROPRIETARY TO, RDI, BY RECEIPT HEREOF THE HOLDER AGREES NOT TO LOAN, THE INFORMATION AND NOT TO DISCLOSE IT TO ANY THIRD PARTY, NOR REPRODUCE THIS DOCUMENT WITHOUT THE WRITTEN CONSENT OF RDI, AND AGREES TO RETURN THIS DOCUMENT FORTHWITH UPON REQUEST.			
ANS $\pm 1^{\circ}$					