

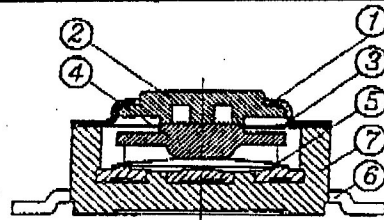
Tactile switches

Order code	Manufacturer code	Description
72-4190	n/a	SEALED SMT PUSH SWITCH

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The enclosed information is believed to be correct, Information may change 'without notice' due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 04/07/2003

Sealed push switch

ITEM	DESC.	Q'TY	MATERIAL	TREATMENT
1.	COVER	1	STAINLESS STEEL	NONE
2.	STEM	1	HIGH - TEMP THERMOPLASTIC NYLON UL 94V-0	→
3.	ADHESIVE TAPE	1	RESIN-BASED	NONE
4.	METAL STEM	1	BRASS	NICKEL PLATED
5.	CONTACT	1	PHOSPHOR BRONZE	WITH SILVER CLADDING
6.	TERMINAL	1	BRASS	WITH SILVER CLADDING
7.	BASE	1	HIGH - TEMP THERMOPLASTIC PPA UL 94V-0	MOLDED BLACK



SPECIFICATIONS:

1. PERFORMANCE:

1.1 ELECTRICAL -

1.1.1. CONTACT RESISTANCE: 100 milliohms max.

1.1.2. INSULATION RESISTANCE: 100 Megohms min.

1.1.3. DIELECTRIC WITHSTANDING VOLTAGE: 250 V A.C. for 1 minute.

1.1.4. BOUNCE: 5 m second max.

1.2 MECHANICAL -

1.2.1. OPERATING FORCE: 100g, 160g, 260g (± 50 g).

1.2.2. STROKE: (6x6) - $0.25^{+0.2}_{-0.1}$ mm.

1.2.3. STOP STRENGTH: 3kg for 15 second.

1.3 DURABILITY -

1.3.1. OPERATING LIFE: 50,000 cycles.

1.4 WEATHER PROOF -

1.4.1. RESISTANCE LOW TEMPERATURE: $-25^{\circ}\text{C} \pm 3^{\circ}\text{C}$, 96 hour.

1.4.2. HEAT RESISTANCE: $85^{\circ}\text{C} \pm 2^{\circ}\text{C}$, 96 hour.

1.4.3. HUMIDITY RESISTANCE: $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$, 90~95% RH, 96 hour.

2. FEATURES:

2.1 REFLOW SOLDERING -

2.1.1. WHEN APPLYING REFLOW SOLDERING , THE PEAK TEMPERATURE OR THE REFLOW OVEN SHOULD BE SET TO 240°C MAX.

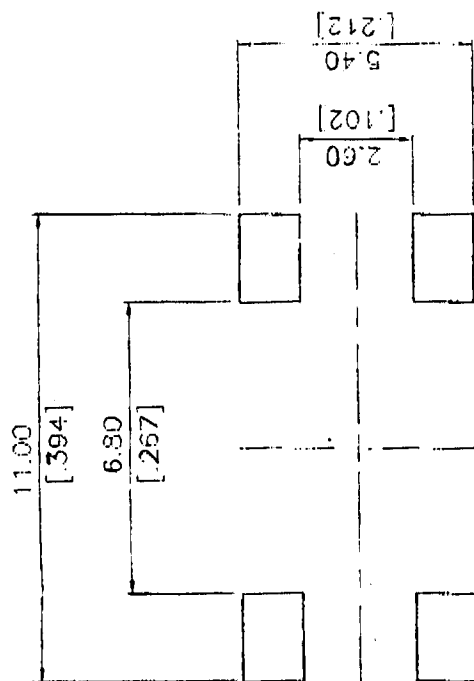
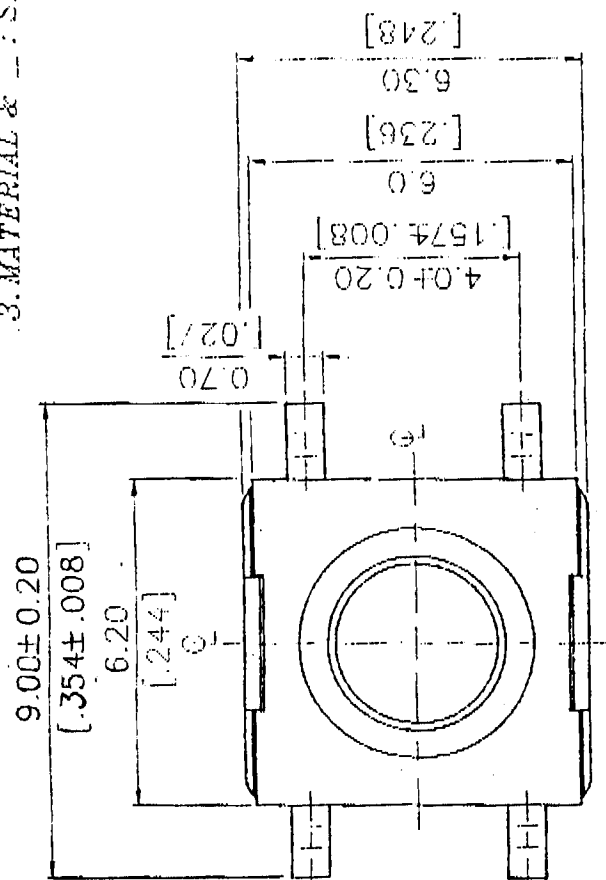
2.2 SEAL CHARACTERISTICS -

2.2.1. THE WASHABLE TYPE SWITCHES ARE DESIGNED TO ALLOW SUBMERSED WASHING AFTER SOLDERING.

2.2.2. WHEN WASHING THE WASHABLE TYPE SWITCHES , DO IT AFTER RETURNING THE SWITCHES BACK TO THE-NORMAL TEMPERATURE.

NOTE:

1. ALL DIMENSIONS ARE IN MILLIMETERS, BRACKETED DIMENSIONS ARE IN INCHES.
2. GENERAL TOLERANCES MAX. $\pm 0.20mm$.
3. MATERIAL & $\square$: SEE PAGE 3 OF 3.



(SCALE 8:1)

P.C.B. LAYOUT

CIRCUIT DIAGRAM

