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SPC-F005.DWG

## REVISIONS

DOC. NO. SPC-F005 \* Effective: 7/5/02 \* DCP No: 1398

| DCP # | REV | DESCRIPTION | DRAWN | DATE     | CHECKD | DATE     | APPRVD | DATE     |
|-------|-----|-------------|-------|----------|--------|----------|--------|----------|
| 2032  | A   | Released    | JN    | 03/05/08 | JWM    | 03/05/08 | JWM    | 03/05/08 |
|       |     |             |       |          |        |          |        |          |



## SPECIFICATION

### MECHANICAL

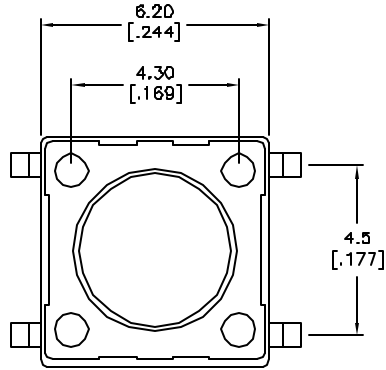
- Stop Strength: Max. 3kgf vertical static load continuously for 15 seconds
- Stroke: (12x12) 0.35±0.1mm
- Operation Temperature: -25°C to + 70°C
- Storage Temperature: -30°C to +80°C

### ELECTRICAL

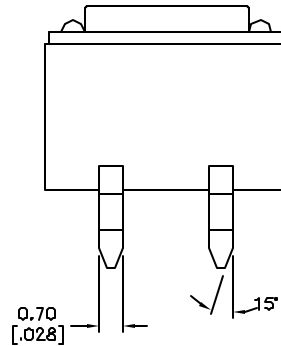
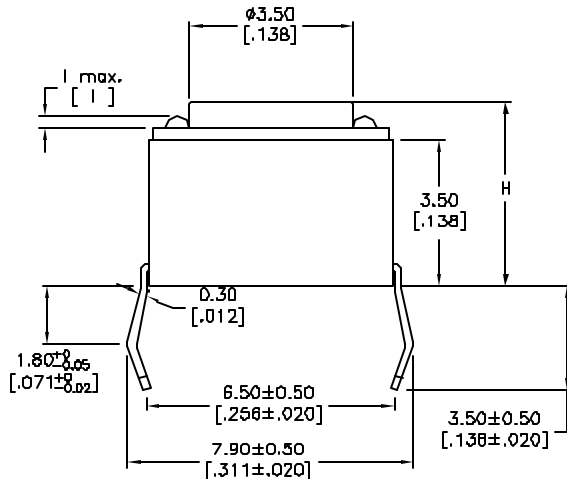
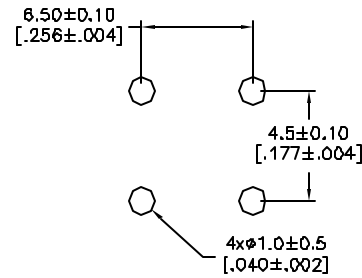
- Rating: 50mA , 12VDC
- Contact Resistance: 100m Ωmax.
- Insulation Resistance: 100M Ω min. at 500VDC
- Dielectric Strength: 250VAC / 1 minute
- Contact Arrangement: 1 pole 1 throw

### MATERIALS

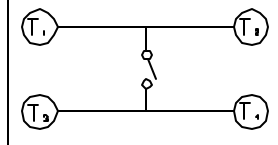
- COVER: Stainless Steel
- CONTACT DISC: Stainless steel with silver cladding.
- TERMINAL: Brass with silver plated.
- BASE: UL94V-0 Nylon High-Temp. Thermoplastic
- STEM: UL94V-0 Nylon High-Temp. Thermoplastic



### P.C.B. LAYOUT



### CIRCUIT DIAGRAM



| Mfg. Part No. | Operating Force Max. | Color | Electrical Life  | Dimension I    | Dimension H | Dome Material   |
|---------------|----------------------|-------|------------------|----------------|-------------|-----------------|
| MC32860       | 100gf Max            | Black | 1,000,000 Cycles | 0.5max [.0197] | 4.3 [169]   | Stainless Steel |
| MC32861       | 160gf Max            | Brown | 1,000,000 Cycles |                |             | Stainless Steel |
| MC32828       | 160gf Max            | Brown | 200,000 Cycles   |                |             | Phosphor Bronze |
| MC32862       | 100gf Max            | Black | 1,000,000 Cycles | 0.6max [.0236] | 5.0 [.197]  | Stainless Steel |
| MC32863       | 160gf Max            | Brown | 1,000,000 Cycles |                |             | Stainless Steel |
| MC32829       | 160gf Max            | Brown | 200,000 Cycles   |                |             | Phosphor Bronze |
| MC32864       | 260gf Max            | Red   | 500,000 Cycles   |                | 9.5 [.374]  | Stainless Steel |
| MC32867       | 100gf Max            | Black | 1,000,000 Cycles |                |             | Stainless Steel |
| MC32830       | 160gf Max            | Brown | 200,000 Cycles   |                |             | Phosphor Bronze |
| MC32831       | 160gf Max            | Brown | 200,000 Cycles   |                | 13.0 [.512] | Phosphor Bronze |

DISCLAIMER:  
ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.

### TOLERANCES:

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

|               |          |
|---------------|----------|
| DRAWN BY:     | DATE:    |
| Jason Nash    | 03/05/09 |
| CHECKED BY:   | DATE:    |
| Jeff McVicker | 03/05/09 |
| APPROVED BY:  | DATE:    |
| Jeff McVicker | 03/05/09 |

### DRAWING TITLE:

Tactile Switch

| SIZE   | DWG. NO. | ELECTRONIC FILE     | REV           |
|--------|----------|---------------------|---------------|
| A      | Ta-1087  | Ta-1087.dwg         | A             |
| SCALE: | NTS      | U.O.M.: INCHES [mm] | SHEET: 1 OF 1 |