

## Low Profile, 6 x 6 SMT J-Lead, Extended Life

### MATERIAL SPECIFICATIONS:

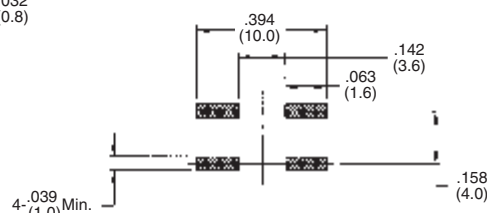
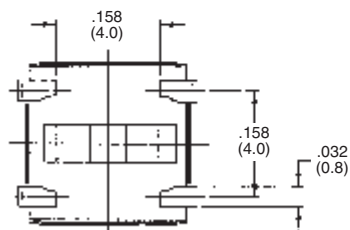
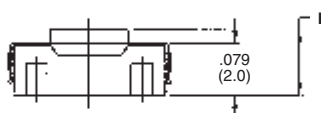
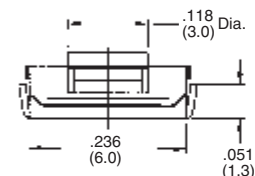
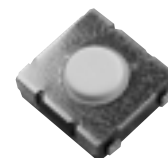
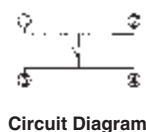
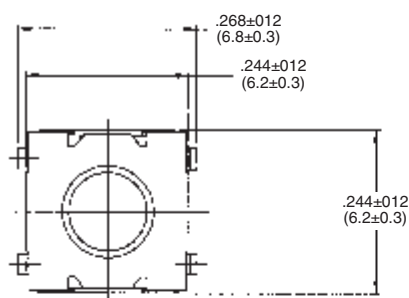
Cover .....Stainless Steel  
 Stem/Actuator .....Nylon UL94V-0  
 Contacts:  
     Moving .....Stainless Steel, Silver Clad-Plate  
     Fixed/Terminal .....Copper Alloy, Silver-Plate  
 Case .....Thermoplastic, UL94V-0, Black  
 Tape .....Teflon

### TYPICAL PERFORMANCE CHARACTERISTICS:

Contact Rating .....50mA @ 12 V DC  
 Initial Contact Resistance .....100MilliOhms Max  
 Insulation Resistance .....100Megaohms @ 100VDC Min.  
 Dielectric Strength .....500 VAC for 1 minute  
 Actuation Travel .....0.008 +/-0.004 (.2 +/-10)

### ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature .....-4 to +185°F (-20 to +85°C)  
 Storage Temperature .....-22 to +185°F (-30 to +85°C)  
 Resistance to solder heat .....Per EIA-364-56A, Procedure 4 & 5, Level 3  
 Solderability .....Per EIA-364-52, Class 2, Category 1, Temp 473°F (245°C), 95% minimum coverage.



Solder Land Dimension

| Tyco Electronics | Dim L      | Force | Life      | Packaging |
|------------------|------------|-------|-----------|-----------|
| 1571625-1        | .098 (2.5) | 50gf  | 2,000,000 | Bulk      |
| 1571625-2        | .098 (2.5) | 50gf  | 2,000,000 | T&R       |
| 1571625-3        | .098 (2.5) | 100gf | 1,000,000 | Bulk      |
| 1571625-4        | .098 (2.5) | 100gf | 1,000,000 | T&R       |
| 1571625-5        | .098 (2.5) | 160gf | 1,000,000 | Bulk      |
| 1571625-6        | .098 (2.5) | 160gf | 1,000,000 | T&R       |
| 1571625-7        | .098 (2.5) | 260gf | 100,000   | Bulk      |
| 1571625-8        | .098 (2.5) | 260gf | 100,000   | T&R       |

## Low Profile, 6 x 6 SMT, Gull Wing, Extended Life

### MATERIAL SPECIFICATIONS:

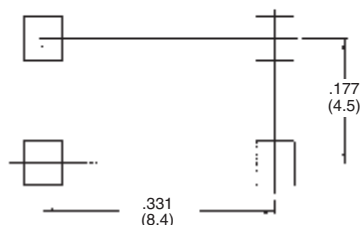
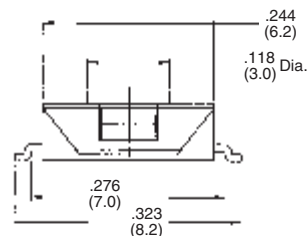
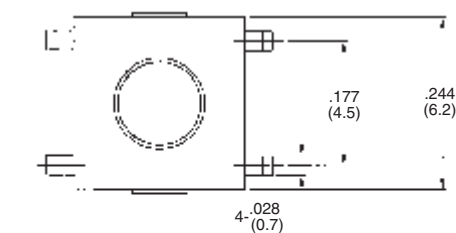
Cover .....Copper Alloy, Tin Lead Plate  
 Stem/Actuator .....Nylon UL94V-0  
 Contacts:  
   Moving .....Stainless Steel, Silver Clad-Plate  
   Fixed/Terminal .....Copper Alloy, Silver-Plate  
 Case .....Thermoplastic, UL94V-0, Black  
 Tape .....Teflon

### TYPICAL PERFORMANCE CHARACTERISTICS:

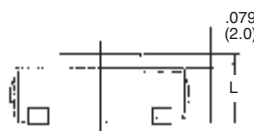
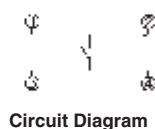
Contact Rating .....50mA @ 12 V DC  
 Initial Contact Resistance .....100MilliOhms Max  
 Insulation Resistance .....100Megaohms @ 100VDC Min.  
 Dielectric Strength .....500 VAC for 1 minute  
 Actuation Travel .....0.010 +/- .004 (.25 +/- .10)

### ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature .....-4 to +185°F (-20 to +85°C)  
 Storage Temperature .....-22 to +185°F (-30 to +85°C)  
 Resistance to solder heat .....Per EIA-364-56A, Procedure 4 & 5,  
   Level 3  
 Solderability .....Per EIA-364-52, Class 2, Category 1,  
   Temp 473°F (245°C) max., time 2.5  
   seconds max., 95% minimum coverage.



PCB Mounting Solder Land Dimension



| Tyco Electronics | Dim L      | Force | Life      | Packaging |
|------------------|------------|-------|-----------|-----------|
| 1571626-1        | .098 (2.5) | 50gf  | 1,000,000 | Bulk      |
| 1571626-2        | .098 (2.5) | 50gf  | 1,000,000 | T&R       |
| 1571626-3        | .098 (2.5) | 100gf | 1,000,000 | Bulk      |
| 1571626-4        | .098 (2.5) | 100gf | 1,000,000 | T&R       |
| 1571626-5        | .098 (2.5) | 160gf | 1,000,000 | Bulk      |
| 1571626-6        | .098 (2.5) | 160gf | 1,000,000 | T&R       |
| 1571626-7        | .079 (2.0) | 160gf | 1,000,000 | Bulk      |
| 1571626-8        | .079 (2.0) | 160gf | 1,000,000 | T&R       |
| 1571626-9        | .098 (2.5) | 260gf | 100,000   | Bulk      |
| 1-1571626-0      | .098 (2.5) | 260gf | 100,000   | T&R       |

**Low Profile, 6 x 6 SMT, Gull Wing w/ESD Terminal, Extended Life**

**MATERIAL SPECIFICATIONS:**

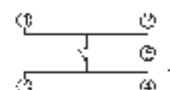
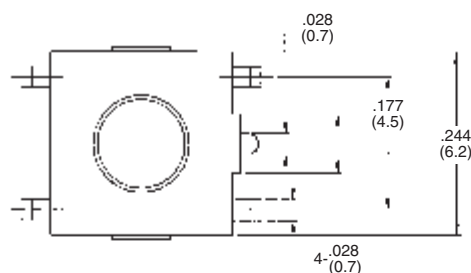
Cover .....Copper Alloy, Tin Lead Plate  
 Stem/Actuator .....Nylon UL94V-0  
 Contacts:  
     Moving .....Stainless Steel, Silver Clad-Plate  
     Fixed/Terminal .....Copper Alloy, Silver-Plate  
 Case .....Thermoplastic, UL94V-0, Black  
 Tape .....Teflon

**TYPICAL PERFORMANCE CHARACTERISTICS:**

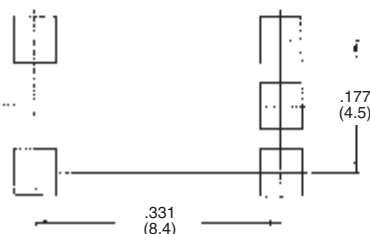
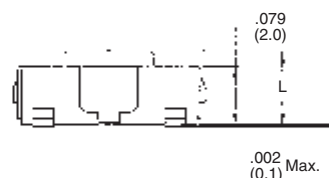
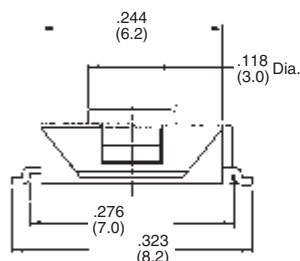
Contact Rating .....50mA @ 12 V DC  
 Initial Contact Resistance .....100MilliOhms Max  
 Insulation Resistance .....100Megaohms @ 100V DC Min.  
 Dielectric Strength .....500 VAC for 1 minute  
 Actuation Travel .....0.010 +/- .004 (.25 +/- .10)

**ENVIRONMENTAL SPECIFICATIONS:**

Operating Temperature .....-4 to +185°F (-20 to +85°C)  
 Storage Temperature .....-22 to +185°F (-30 to +85°C)  
 Resistance to solder heat .....Per EIA-364-56A, Procedure 4 & 5,  
     Level 3  
 Solderability .....Per EIA-364-52, Class 2, Category 1,  
     Temp 473°F (245°C) max., time 2.5  
     seconds max., 95% minimum coverage.



**Circuit Diagram**



**PCB Mounting Solder Land Dimension**

| Tyco Electronics | Dim L      | Force | Life      | Packaging |
|------------------|------------|-------|-----------|-----------|
| 1571636-1        | .098 (2.5) | 50gf  | 1,000,000 | Bulk      |
| 1571636-2        | .098 (2.5) | 50gf  | 1,000,000 | T&R       |
| 1571636-3        | .098 (2.5) | 100gf | 1,000,000 | Bulk      |
| 1571636-4        | .098 (2.5) | 100gf | 1,000,000 | T&R       |
| 1571636-5        | .098 (2.5) | 160gf | 1,000,000 | Bulk      |
| 1571636-6        | .098 (2.5) | 160gf | 1,000,000 | T&R       |
| 1571636-7        | .079 (2.0) | 160gf | 1,000,000 | Bulk      |
| 1571636-8        | .079 (2.0) | 160gf | 1,000,000 | T&R       |
| 1571636-9        | .098 (2.5) | 260gf | 100,000   | Bulk      |
| 1-1571636-0      | .098 (2.5) | 260gf | 100,000   | T&R       |