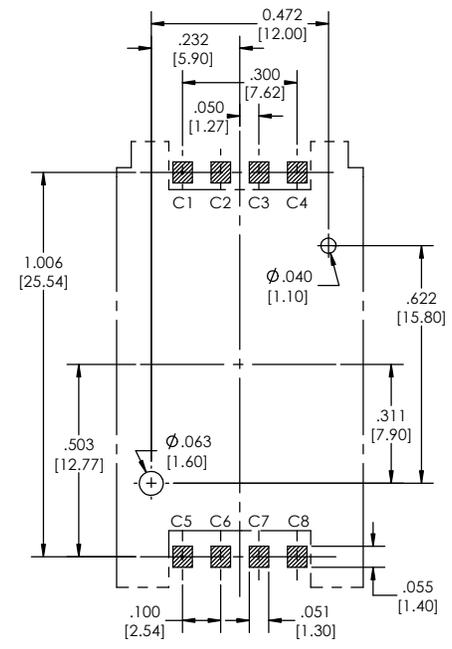


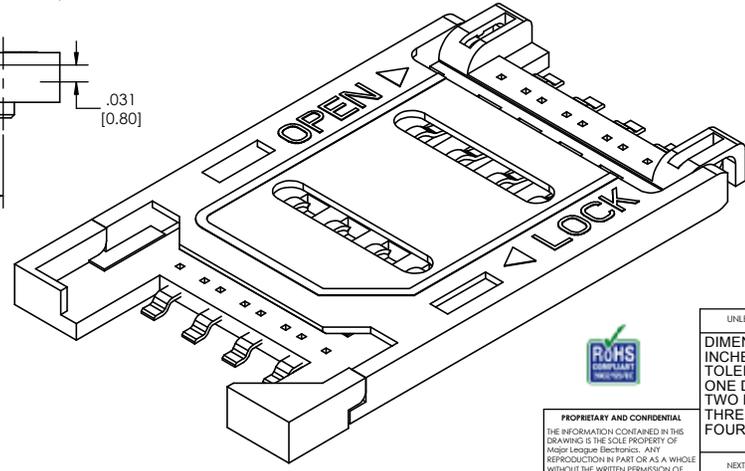
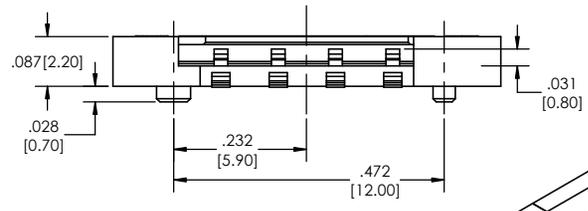
**Recommended P.C. Board Layout**  
SCALE 4:1



SIMS48 [X] - [22] - [1] - [X] - [X] - [LF]  
(A) (B) (C) (D) (E) (F)

- A. Number of Contacts  
- 6 or 8
- B. Height  
- See Height options below
- C. Switch  
- 1= Without Switch
- D. Locating Peg  
- 1= With Locating Peg  
- 2= Without Locating Peg
- E. Packing Information  
- C= Tube and Tray  
- F= Reel
- F. Lead Free

|       | Height                            |    |
|-------|-----------------------------------|----|
| 2.2mm | (1.170L X 0.677W X 0.087H inches) | 22 |
|       | (29.70L X 17.20W X 2.20H mm)      |    |



**Specifications:**  
 Weight: Approx. 0.80g  
 Contact Principle: Landed Contact Technology  
 Operating Position: Shaft up/ Down/ Horizontal  
 Durability: 10,000 Cycles Min.  
 Insulation Material: Thermoplastic, U194V-0  
 Contact Material: Gold Plating with 3µ Min.  
 Contact Resistance: 50mΩ typical/ 100mΩ Max.  
 Insulation Resistance: >1000 MΩ/ 500 VDC  
 Wave: N/A  
 VaporPhase: 215°C, 30 sec. Max.  
 IR Reflow: 230°C, 15 sec. Max.  
 Manual Soldering: 360°C, 3 sec. Max.  
 Operating Temperature: -40°C, +85°C  
 Operating Humidity: 10% -95% RH

Storage Temperature: -40°C, +85°C  
 Storage Humidity: 10% -95% RH  
 Thermal Shock: -40°C, +85°C, 5 cycles  
 Damp Heat: 40°C, 90% RH, 500HR  
 Salt-Mist: 35°C, 5% NaCl, 48HR

Tails may be clipped to achieve specific dimensions.  
 Products cut to specific sizes are uncancellable/ nonreturnable.  
 Parts are subject to change without notice.



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| UNLESS OTHERWISE SPECIFIED:          |           | NAME      | DATE   |  | TITLE: SIMS48 Series |              |          |
|--------------------------------------|-----------|-----------|--|--|----------------------|--------------|----------|
| DIMENSIONS ARE IN INCHES             |           | DRAWN     | EOW  |  | 04/08/14             | SIZE         | DWG. NO. |
| TOLERANCES:                          |           | CHECKED   | GWE  |  | 04/08/14             | C            | REV A    |
| ONE DECIMALS ±.100                   |           | ENG APPR. |  |  |                      |              |          |
| THREE DECIMAL ±.005                  |           | MFG APPR. |  |  | SCALE 6:1            | SHEET 1 OF 1 |          |
| FOUR DECIMAL ±.002                   |           | ADDRESS:  | 2533 Centennial Blvd.<br>Jeffersonville, IN 47130<br>Phone: 812-670-4174<br>Fax: 812-670-4175<br>E-Mail: mle@mlelectronics.com |  |                      |              |          |
| INTERPRET GEOMETRIC TOLERANCING PER: | MATERIAL: | FINISH:   | APPLICATION  |  | DO NOT SCALE DRAWING |              |          |