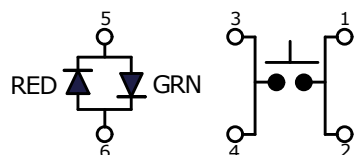
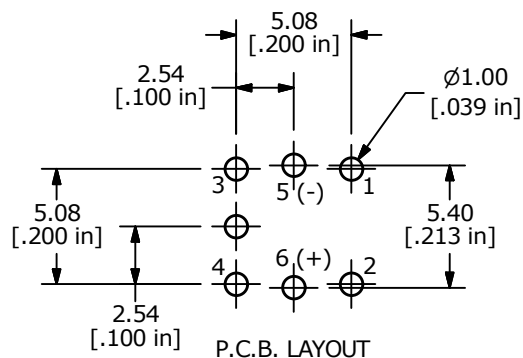
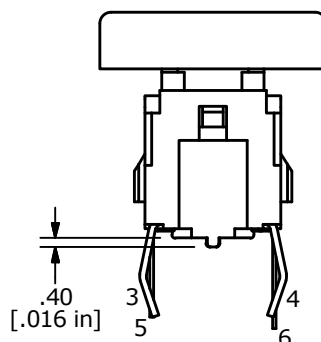


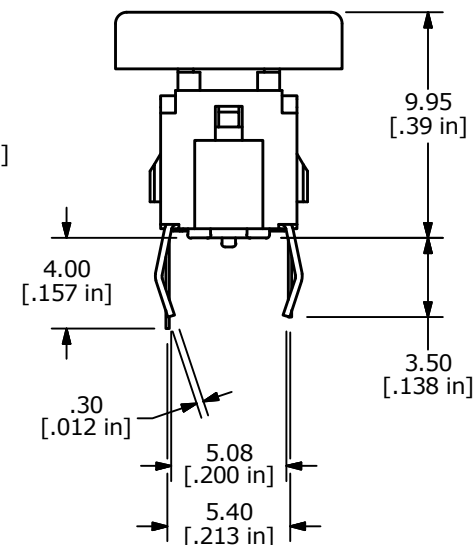
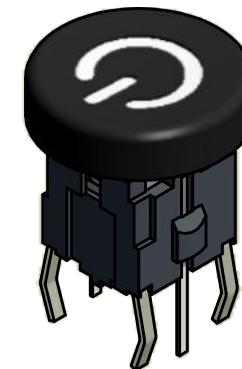
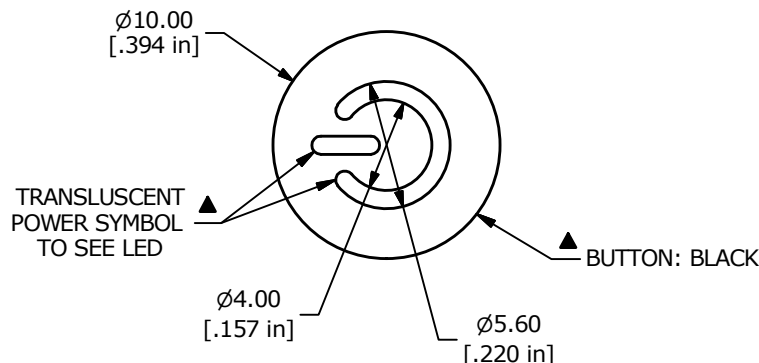
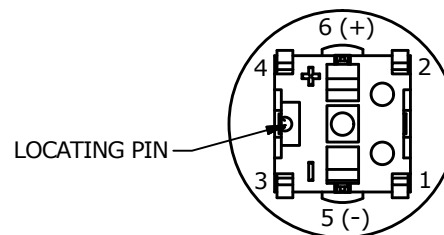
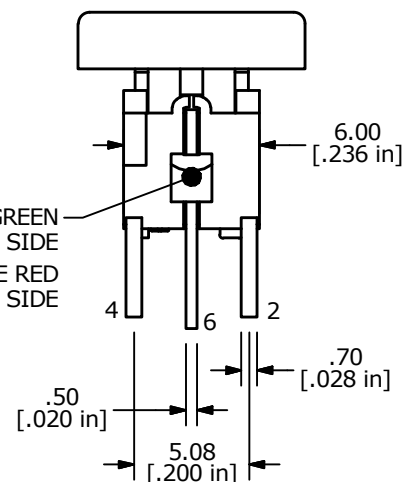
| ▲ LED SPECS               | UNITS | RED      | GREEN   |
|---------------------------|-------|----------|---------|
| FORWARD CURRENT           | mA    | 20       | 20      |
| FORWARD VOLTAGE @20mA     | V     | 1.95-2.5 | 2.1-2.5 |
| LUMINOUS INTENSITY @ 20mA | mcd   | 250      | 45      |



▲ RED / GREEN LED  
CIRCUIT: SPST



MARK CATHODE GREEN  
ON THIS SIDE  
MARK CATHODE RED  
ON THE OPPOSITE SIDE



## NOTES:

1. ALL DIMENSIONS IN MM [INCH]
2. GENERAL TOLERANCE: X.X =  $\pm 0.4$   
X.XX =  $\pm 0.25$
3. RATING: 12VDC @ 50mA
4. CONTACT RESISTANCE: 100m $\Omega$  MAX. 1.5VDC; 100mA
5. INSULATION RESISTANCE: 100M $\Omega$  MIN. 500VDC
6. OPERATING FORCE: 180 $\pm$  50gf
7. TRAVEL: 0.2 $\pm$  0.1mm
8. OPERATING TEMPERATURE: -40°C to 85°C
9. OPERATING LIFE: 500,000 CYCLES
10. LED: RED / GREEN
11. ▲ DENOTES CRITICAL PARAMETERS
12. 2011/65/EU (ROHS) COMPLIANT
13. TERMINAL NUMBERS FOR REFERENCE ONLY
14. PARTS TO BE PACKAGED 50 PARTS PER TRAY.

|     |        |                                   |         |    |
|-----|--------|-----------------------------------|---------|----|
| C   | 23272  | add 5.40mm dim.                   | 3/26/18 | MW |
| B   | 21979  | UPDATE I/O SYMBOL, ADD 13.45 dim. | 9/8/15  | MW |
| A   | 21960  | RELEASE FOR PRODUCTION            | 8/24/15 | MW |
| REV | PCR NO | DESCRIPTION                       | DATE    | BY |

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TITLE TL1220R3NNBRG-POWER

|              |                   |          |                |          |
|--------------|-------------------|----------|----------------|----------|
| SCALE<br>3:1 | DATE<br>8/24/2015 | DR<br>MW | DWG<br>B260028 | REV<br>C |
|--------------|-------------------|----------|----------------|----------|