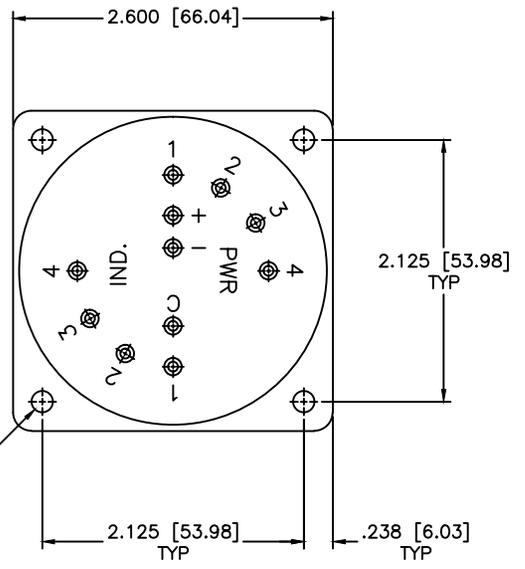
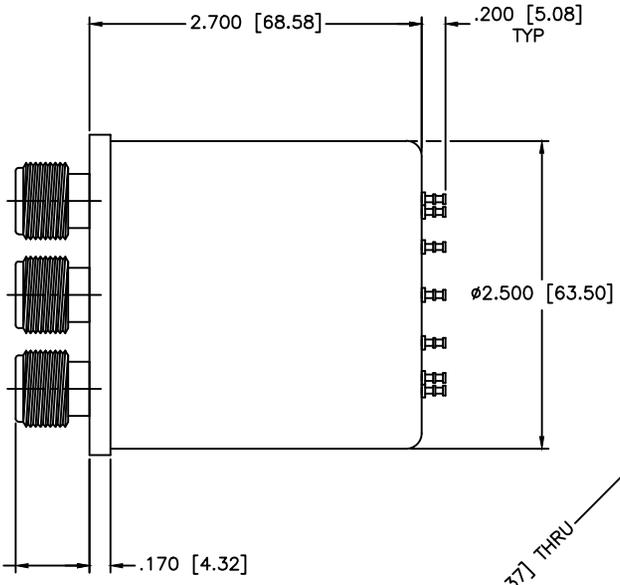
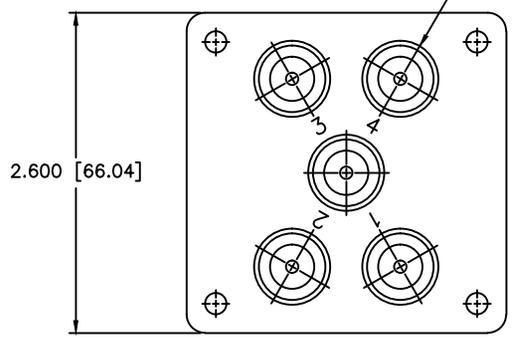


| ZONE |  | REV | DESCRIPTION | DATE | APPROVED |
|------|--|-----|-------------|------|----------|
|      |  |     |             |      |          |

LOGIC TRUTH TABLE

| RF PATH | T1 | T2 | T3 | T4 |
|---------|----|----|----|----|
| 1-C     | 1  | 0  | 0  | 0  |
| 2-C     | 0  | 1  | 0  | 0  |
| 3-C     | 0  | 0  | 1  | 0  |
| 4-C     | 0  | 0  | 0  | 1  |



**SPECIFICATIONS**  
 FREQUENCY RANGE: DC-1.0 GHz  
 VSWR: 1.20:1 MAX.  
 INSERTION LOSS: 0.20dB MAX.  
 ISOLATION: 90dB MIN.

**MECHANICAL**  
 CONTACT: BREAK BEFORE MAKE  
 ACTUATOR: LATCHING  
 SWITCHING SPEED: 20 mSEC MAX

**ELECTRICAL**  
 ACTUATOR VOLTAGE: 28.0±3.0 Vdc  
 ACTUATOR CURRENT: 450mA MAX @ 28.0 Vdc  
 POWER HANDLING: 350W CW @ 1.0GHz  
 IMPEDANCE: 50 Ohms

**ENVIRONMENTAL**  
 OPERATING TEMP: -54°C to +90°C  
 SINE VIBRATION: 30 G'S rms  
 LIFE: 1,000,000 CYCLES  
 RANDOM VIBRATION: 20 G'S rms

4x Ø.172 [Ø4.37] THRU

|                              |                     |  |              |           |
|------------------------------|---------------------|--|--------------|-----------|
| MATERIAL:                    |                     | MICROWAVE COMMUNICATIONS LABORATORIES INC.<br>7255 30TH AVE. N. SAINT PETERSBURG, FL 33710<br>TEL: (727) 344-6254 FAX: (727) 381-6116<br>http://www.mcli.com                               | SCALE:       | N/A       |
|                              |                     |  | SHEET:       | N/A       |
| DRAWING TITLE:               |                     | ELECTROMECHANICAL SWITCHES   |              |           |
| PART NO.:                    |                     | D4-1-LIL   |              |           |
| DRAWN:<br>Paiboon Luethamhan | DATE:<br>03-31-2001 | PROPRIETARY NOTICE:<br>THE INFORMATION IN THIS DRAWING IS PROPRIETARY AND SHALL NOT BE USED OR DISCLOSED WITHOUT WRITTEN PERMISSION FROM MICROWAVE COMMUNICATIONS LABORATORIES INC. (MCLI) | CAGE CODE:   | OD2L5     |
| APPROVED:<br>T. Nguyen       | DATE:<br>03-31-2001 |  | SIZE:<br>N/A | REV:<br>B |
|                              |                     | DO NOT SCALE THE DRAWING   |              | DWG NO.:  |
|                              |                     |  |              | 84251     |