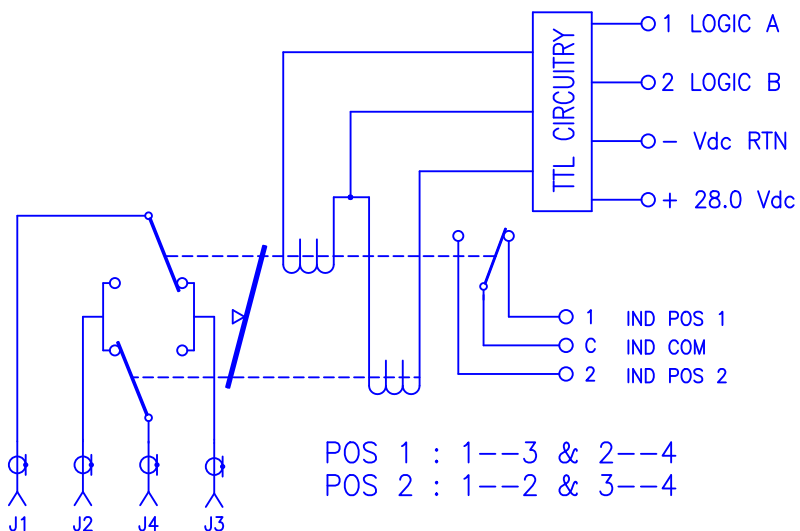
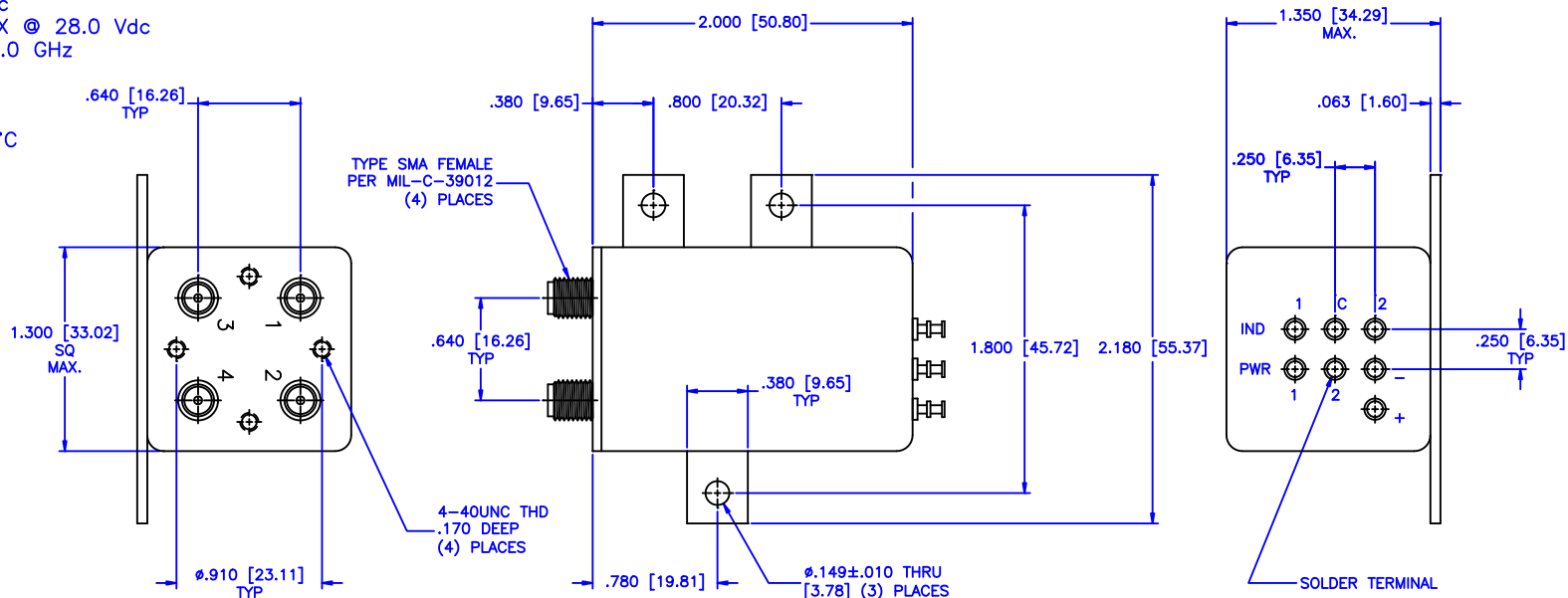


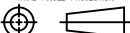
CONTACT: BREAK BEFORE MAKE  
ACTUATOR: LATCHING  
SWITCHING SPEED: 20 mSEC MAX

ACTUATOR VOLTAGE: 28.0±3.0 Vdc  
ACTUATOR CURRENT: 0.125 A MAX @ 28.0 Vdc  
POWER HANDLING: 200W CW @ 1.0 GHz

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



| FREQUENCY RANGE (GHz): | DC—2.0 | 2.0—4.0 | 4.0—8.0 | 8.0—12.4 | 12.4—18.0 | 18.0—26.5 |
|------------------------|--------|---------|---------|----------|-----------|-----------|
| VSWR (Max.):           | 1.20:1 | 1.25:1  | 1.30:1  | 1.40:1   | 1.50:1    | 1.60:1    |
| INSERTION LOSS (dB):   | 0.20   | 0.25    | 0.30    | 0.40     | 0.50      | 0.70      |
| ISOLATION (dB):        | 90     | 80      | 80      | 70       | 60        | 50        |
| IMPEDANCE (Ohms):      | 50     |         |         |          |           |           |

|                                        |  |                                                                                                                                                                                                                                                                                      |  |                                              |  |
|----------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------|--|
| MATERIAL:                              |  |  MICROWAVE COMMUNICATIONS LABORATORIES INC.<br>7255 30TH AVE. N. SAINT PETERSBURG, FL 33710<br>TEL: (727) 344-6254 FAX: (727) 381-6116<br><a href="http://WWW.MCLI.COM">http://WWW.MCLI.COM</a> |  | SCALE: N/A                                   |  |
| DRAWING:                               |  | UNLESS OTHERWISE SPECIFIED:<br>TOLERANCES<br>IN (INCHES) OR [mm] (MILLIMETERS)<br>FRACTIONS: $\pm 1/64$<br>DECIMALS: $\pm 0.01$ $\pm 0.005$<br>ANGLE: $\pm 1/2^\circ$                                                                                                                |  | SHEET: N/A                                   |  |
| DATE: 03-31-2001<br>Paiboon Luekhamhan |  | PROPRIETARY NOTICE:<br>THE INFORMATION IN THIS DRAWING IS PROPRIETARY<br>AND SHALL NOT BE USED OR DISCLOSED WITHOUT WRITTEN<br>PERMISSION FROM MICROWAVE COMMUNICATIONS<br>LABORATORIES INC. (MCLI)                                                                                  |  | DRAWING TITLE:<br>ELECTROMECHANICAL SWITCHES |  |
| APPROVED: T. Nguyen                    |  | THIRD ANGLE PROJECTION<br>                                                                                                                                                                      |  | PART NO.<br>C1-8-LIL                         |  |
| DATE: 03-31-2001                       |  | CAGE CODE: OD2L5                                                                                                                                                                                                                                                                     |  | SIZE: N/A<br>DO NOT SCALE THE DRAWING        |  |
| DATE: 03-31-2001                       |  | REV: N/A                                                                                                                                                                                                                                                                             |  | DWG NO. 81624                                |  |