

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

ELECTRICAL  
ACTUATOR VOLTAGE: 28.0 Vdc (22.0–32.0 Vdc)  
ACTUATOR CURRENT: 0.600 A MAX @ 28.0 Vdc  
POWER HANDLING: 200 WCW @ 1.0 GHz

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

SPECIFICATION:

FREQUENCY RANGE (GHz): DC–2.0 2.0–4.0 4.0–8.0 8.0–12.4 12.4–18.0

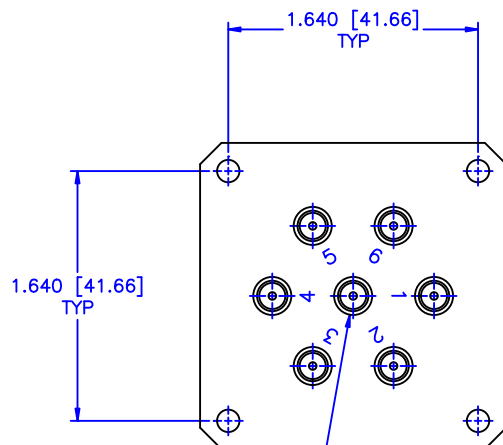
VSWR (Max.): 1.20:1 1.25:1 1.30:1 1.40:1 1.50:1

INSERTION LOSS (dB): 0.20 0.25 0.30 0.40 0.50

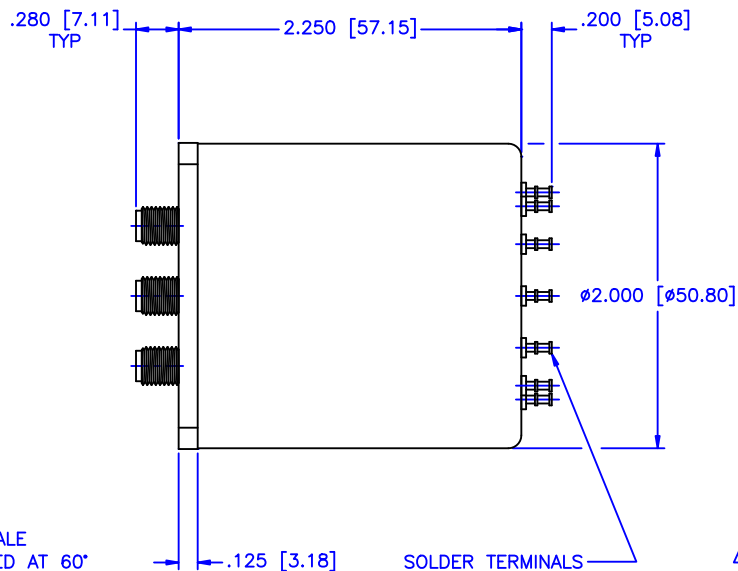
ISOLATION (dB): 90 80 80 70 60

IMPEDANCE: 50 OHMS

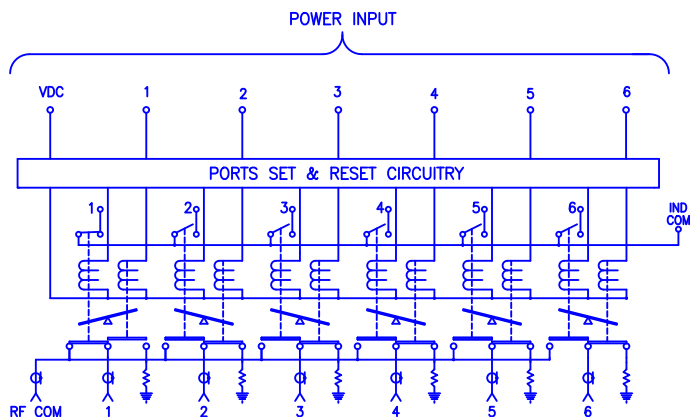
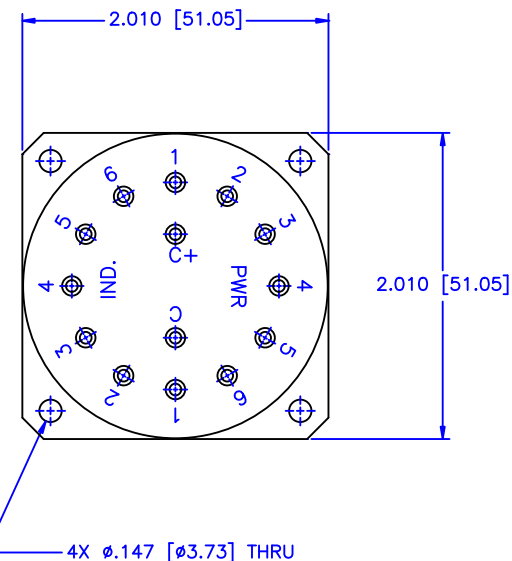
| REVISIONS |     |             |      |          |
|-----------|-----|-------------|------|----------|
| ZONE      | REV | DESCRIPTION | DATE | APPROVED |



(7) TYPE SMA FEMALE  
(6) EQUALLY SPACED AT 60°  
ON Ø1.062 [Ø26.97] B.C.



SOLDER TERMINALS



|                           |  |                                                                                                                                                                          |  |            |
|---------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------|
| MATERIAL:                 |  | <b>MCLI</b> 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 |
|                           |  | UNLESS OTHERWISE SPECIFIED:<br>TOLERANCES<br>IN (INCHES) OR (mm) (MILLIMETERS)<br>FRACTIONS: ± 1/64<br>DECIMALS: ±.01 ±.005<br>ANGLE: ±1/2°                              |  | SHEET: N/A |
| DRAWN: Paiboon Luekhamhan |  | DRAWING TITLE: ELECTROMECHANICAL SWITCHES                                                                                                                                |  |            |
| DATE: 02-26-2009          |  | PART NO. V6-7-LI/28P                                                                                                                                                     |  |            |
| APPROVED: T. Nguyen       |  | DATE: 02-26-2009                                                                                                                                                         |  |            |
| THIRD ANGLE PROJECTION    |  | CAGE CODE: OD2L5                                                                                                                                                         |  |            |
|                           |  | SIZE: N/A                                                                                                                                                                |  |            |
|                           |  | REV: N/A                                                                                                                                                                 |  |            |
|                           |  | DWG NO. 84213                                                                                                                                                            |  |            |
|                           |  | DO NOT SCALE THE DRAWING                                                                                                                                                 |  |            |