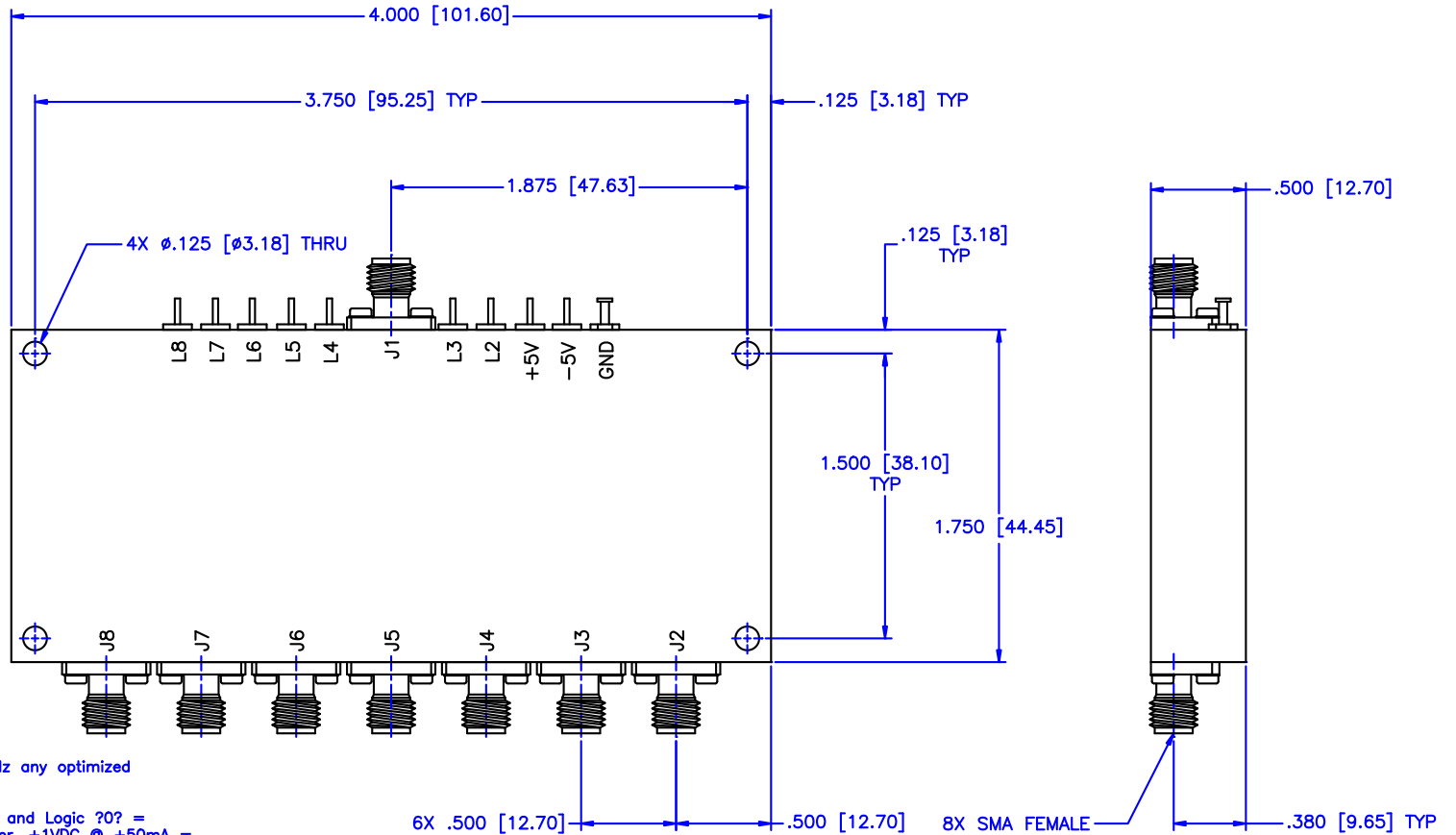


REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

SPECIFICATIONS

FREQUENCY RANGE: 0.5–2 GHz
 INSERTION LOSS: 1.2dB MAX.
 VSWR: 1.6:1 MAX. In 50 Ohms
 ISOLATION: 60dB MIN.
 RF INPUT POWER: +20dBm CW, 1Watt MAX.
 SWITCHING SPEED: 1.0 uSec MAX.
 POWER SUPPLY: ±5VDC @ +300/-80 mA
 PWR/LOGIC CONNECTION: SOLDER PINS
 CONTROL LOGIC: TTL COMPATIBLE



PIN DIODE SWITCHES FEATURES:

Frequency Ranges: From 100 MHz to 24 GHz any optimized bandwidth is available.

TTL Compatible Logic: Logic ?1? = Isolation and Logic ?0? = Insertion Loss. For switches without TTL driver, +1VDC @ +50mA = Isolation and -1VDC @ -50mA = Insertion Loss. For logic options, please consult factory.

High Speed Switching: Switches listed are measured from 50% TTL to 10% / 90% RF.

Low DC Power Consumption: Switches with TTL drivers require ± 5VDC @ +300/ -80mA.

High RF Power Handling: For power levels greater than listed please consult factory.

Absorptive Switches: On these models the J2 ? J8 ports are NON-REFLECTIVE.

Standard Interfaces: RF port connectors are ?SMA?, female per MIL-C-39012. DC/LOGIC connections are solder terminals. Call factory for optional connectors.

Matched Phase & Amplitude: Models listed are available with matched ports. Otherwise add .25 dB loss to ports J2 & J8.

MATERIAL:			MICROWAVE COMMUNICATIONS LABORATORIES INC. 7255 30TH AVE. N. SAINT PETERSBURG, FL 33710 TEL: (727) 344-6254 FAX: (727) 381-6116 http://WWW.MCLI.COM		SCALE:	N/A
DRAWN:			UNLESS OTHERWISE SPECIFIED: TOLERANCES IN (INCHES) OR [mm] (MILLIMETERS) FRACTIONS: ± 1/64 DECIMALS: ±.01 ±.005 ANGLE: ±1/2°		SHEET:	N/A
DATE:		DRAWING TITLE: <p style="text-align: center;">SP7T PIN DIODE SWITCHES</p>		PART NO.		<p style="text-align: center;">D7-3/REF</p>
DATE:		PROPRIETARY NOTICE: 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:		
APPROVED:		THIRD ANGLE PROJECTION 		SIZE: A REV: A DO NOT SCALE THE DRAWING	DWG NO.	
Paiboon Luekhamhan T. Nguyen		12-16-2010 12-16-2010		OD2L5	85133	