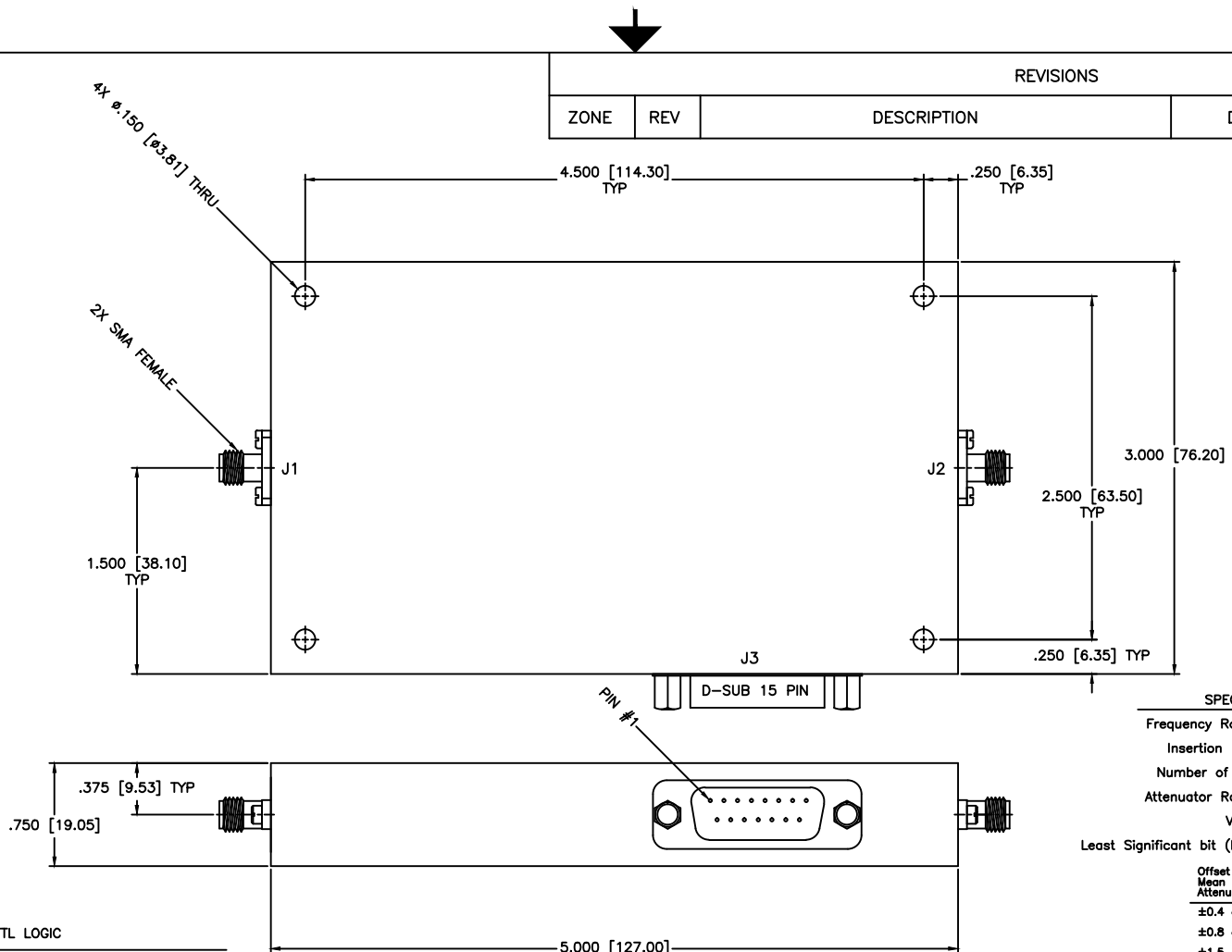


REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

Pin	Input
13	+5 Vdc
14	-5 Vdc
1	Bit 1 (LSB)
2	Bit 2
3	Bit 3
4	Bit 4
5	Bit 5
6	Bit 6
7	Bit 7
8	Bit 8 (MSB)



SPECIFICATIONS

Frequency Range: 2-4 GHz
 Insertion Loss: 5.0dB Max.
 Number of bits: 8
 Attenuator Range: 64dB
 VSWR: 2.00:1 Max.
 Least Significant bit (LSB): 0.250

Offset of Mean Attenuation	Flatness	dB
±0.4 dB	±0.4 dB	0-16 dB
±0.8 dB	±0.6 dB	17-32 dB
±1.5 dB	±1.2 dB	32-64 dB

TTL LOGIC

Att/Bit	.125	.25	.5	1	2	4	8	16	
1	0	0	0	0	0	0	0	0	Ref=Loss
2	0	0	0	1	1	0	0	0	3.0 dB
3	0	0	0	0	1	1	0	0	6.0 dB
4	0	0	0	0	0	1	1	0	12.0 dB
5	0	0	0	0	0	0	0	1	16.0 dB
6	0	0	0	0	0	1	0	1	20.0 dB
7	0	0	0	0	0	1	1	1	28.0 dB
8		1	1	1	1	1	1	1	31.875 dB
Bit	1	2	3	4	5	6	7	8	

MATERIAL:

DRAWN: Paiboon Luekhamhan
 DATE: 06-07-2005

APPROVED: T. Nguyen
 DATE: 06-07-2005

MCLI MICROWAVE COMMUNICATIONS LABORATORIES INC.
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UNLESS OTHERWISE SPECIFIED:
 TOLERANCES
 IN (INCHES) OR [mm] (MILLIMETERS)
 FRACTIONS: ± 1/64
 DECIMALS: ±.01 ±.008
 ANGLE: ±1/2°

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)

THIRD ANGLE PROJECTION

SCALE: N/A
 SHEET: N/A

DRAWING TITLE: DIGITALLY CONTROLLED ATTENUATOR
 PART NO. LC-3

CAGE CODE: OD2L5
 SIZE: N/A
 REV: N/A
 DWG NO. 82359

DO NOT SCALE THE DRAWING