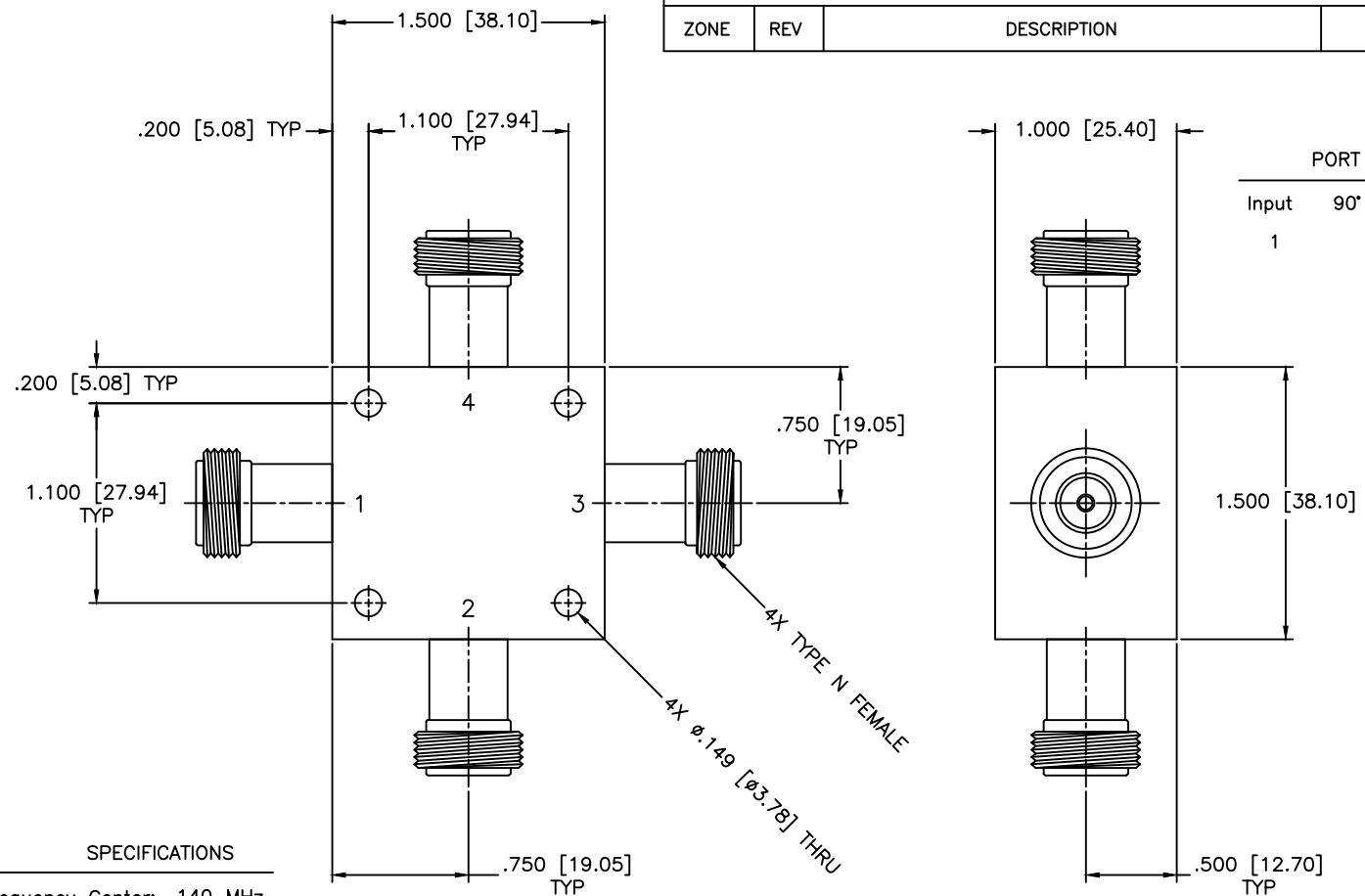


REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



PORT CONFIGURATION			
Input	90° Out	Isolated	0° Out
1	2	3	4

SPECIFICATIONS

Frequency Center: 140 MHz
Isolation: 20dB Min.
VSWR: 1.20:1 Max.
Insertion Loss: 0.5dB Max.
Amplitude Balance: ±0.3dB Max.
Phase Balance: ±2.5° Max.
Operating Temperature: -55°C to +85°C

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		SHEET:	N/A
			UNLESS OTHERWISE SPECIFIED: TOLERANCES IN (INCHES) OR [mm] (MILLIMETERS) FRACTIONS: ± 1/64 DECIMALS: ±.01 ±.005 ANGLE: ±1/2°		DRAWING TITLE:	90° HYBRID 10% BANDWIDTH
DRAWN: Paiboon Luekhamhan DATE: 11-29-1997		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)		PART NO.:	HL-11/NF	
APPROVED: T. Nguyen DATE: 11-29-1997		THIRD ANGLE PROJECTION 		CAGE CODE:	SIZE: A	REV: N/A
				OD2L5	DO NOT SCALE THE DRAWING	
						DWG NO. 80675