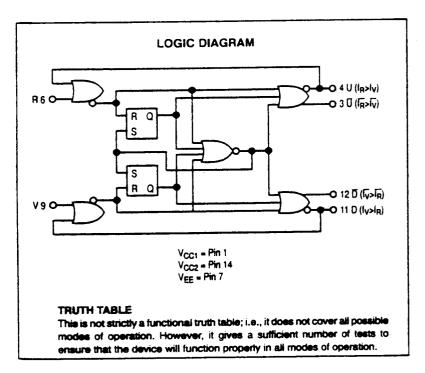
## LANSDALE Semiconductor, Inc.

## ML12040 PHASE FREQUENCY DETECTOR

## Pin Conversion Table

14 PIN DIP	1	2	3	4	5	6	7	8	9	10	11	12	13	14
20 PIN PLCC	2	3	4	6	8	9	10	12	13	14	16	18	19	20

Inp	uts	Outputs							
R	٧	U	۵	Ū	ō				
0 0 1 0	0 1 1	X X X	X X X	X X X	X X X				
1 0 1 1	1 1 1 0	1 1 1	0 0 0	0 0 0	1 1 1				
1 1 1	1 0 1 0	0 0 0	0 0 1 1	1 1 1	1 1 0				
1 0 1	1 1	0 0 0	1 1 0	1 1	0 · 0 1				



The ML12040 is a phase-frequency detector intended for use in systems requiring zero phase and frequency difference at lock. In combination with a voltage controlled oscillator, it is useful in a broad range of phase-locked loop applications. Operation of this device is identical to that of Phase Detector #1 of the ML4044.

Operating Frequency = 80 MHz typical

