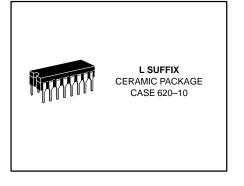
Quad 2-Input NOR Gate

ELECTRICAL CHARACTERISTICS

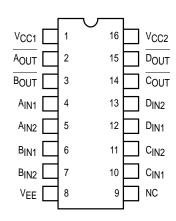
		−30°C		+25°C		+85°C		
Characteristic	Symbol	Min	Max	Min	Max	Min	Max	Unit
Power Supply Drain Current	ΙE	_	_	1	56			mAdc
Input Current	linH	-	-	1	350	_		μAdc
Switching Times Propagation Delay	t - + t + -	0.6 0.6	1.6 1.8	0.6 0.6	1.5 1.7	0.6 0.6	1.7 1.9	ns
Rise Time, Fall Time (10% to 90%)	t +, t -	0.6	2.2	0.6	2.1	0.6	2.3	ns

LOGIC DIAGRAM A_{IN1} 2 AOUT 5 A_{IN2} B_{IN1} BOUT B_{IN2} 7 C_{IN1} 10 · 14 C_{OUT} C_{IN2} 11 D_{IN1} 12 - 15 D_{OUT} D_{IN2} 13 - $OUT = \overline{IN1 + IN2}$ V_{CC1} = PIN 1 V_{CC2} = PIN 16 VEE = PIN 8 $t_{pd} = 0.9 \text{ ns typ (510 ohm load)}$ = 1.1 ns typ (50 ohm load) $P_D = 240 \text{ mW typ/pkg (No load)}$ Full Load Current, $I_L = -25$ mAdc max

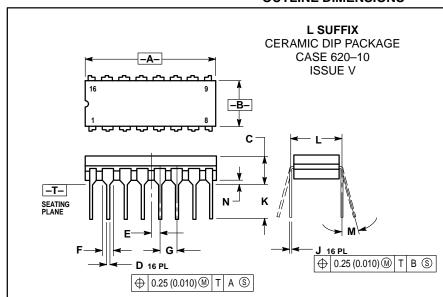
MC1662



PIN ASSIGNMENT



OUTLINE DIMENSIONS



- DIMENSIONING AND TOLERANCING PER

- DIMENSIONING AND TOLERANGING PER ANSI Y14.5M, 1982.
 CONTROLLING DIMENSION: INCH.
 DIMENSION L TO CENTER OF LEAD WHEN FORMED PARALLEL.
 DIMENSION F MAY NARROW TO 0.76 (0.030)
 WHERE THE LEAD ENTERS THE CERAMIC RODLY.

	INC	HES	MILLIMETERS			
DIM	MIN	MAX	MIN	MAX		
Α	0.750	0.785	19.05	19.93		
В	0.240	0.295	6.10	7.49		
С		0.200		5.08		
D	0.015	0.020	0.39	0.50		
E	0.050	BSC	1.27 BSC			
F	0.055	0.065	1.40	1.65		
G	0.100	BSC	2.54 BSC			
Н	0.008	0.015	0.21	0.38		
K	0.125	0.170	3.18	4.31		
L	0.300	BSC	7.62 BSC			
M	0°	15°	0°	15°		
N	0.020	0.040	0.51	1.01		

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MC1650/D