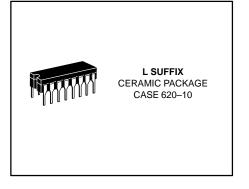
# **Dual 4-Input OR/NOR Gate**

#### **ELECTRICAL CHARACTERISTICS**

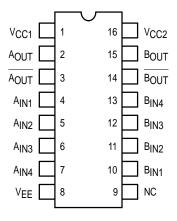
		−30°C		+25°C		+85°C		
Characteristic	Symbol	Min	Max	Min	Max	Min	Max	Unit
Power Supply Drain Current	ΙE	ı			28	-	-	mAdc
Input Current	linH	1			350		-	μAdc
Switching Times Propagation Delay	t + - t - +	0.6 0.6	1.8 1.6	0.6 0.6	1.7 1.5	0.6 0.6	1.9 1.7	ns
Rise Time, Fall Time (10% to 90%)	t +, t -	0.6	2.2	0.6	2.1	0.6	2.3	ns

### **LOGIC DIAGRAM** A<sub>IN1</sub> A<sub>IN2</sub> 3 AOUT AIN3 2 AOUT A<sub>IN4</sub> B<sub>IN1</sub> 14 BOUT B<sub>IN2</sub> B<sub>IN3</sub> 12 15 BOUT B<sub>IN4</sub> 13 OUT = IN1 + IN2 + IN3 + IN4 OUT = IN1 + IN2 + IN3 + IN4 V<sub>CC1</sub> = PIN 1 V<sub>CC2</sub> = PIN 16 VEE = PIN 8 $t_{pd} = 0.9 \text{ ns typ (510 ohm load)}$ = 1.1 ns typ (50 ohm load) $P_D = 120 \text{ mW typ/pkg (No load)}$ Full Load Current, I<sub>L</sub> = -25 mAdc max

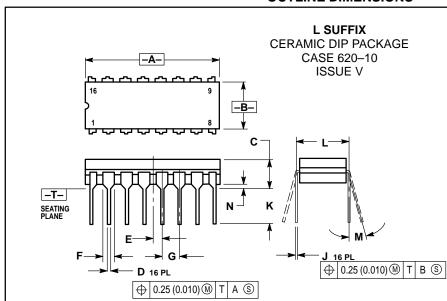
## MC1660



#### **PIN ASSIGNMENT**



#### **OUTLINE DIMENSIONS**



#### NOTES:

- DIMENSIONING AND TOLERANCING 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

	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		
Е	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			
М	0°	15°	0 °	15°		
N	0.020	0.040	0.51	1.01		

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