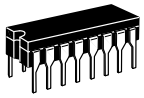
Quad 2-Input NOR Gate

MC1662

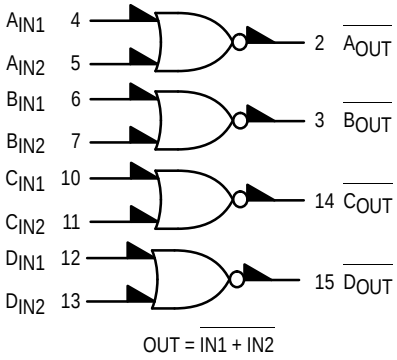


L SUFFIX
CERAMIC PACKAGE
CASE 620–10

ELECTRICAL CHARACTERISTICS

Characteristic	Symbol	–30°C		+25°C		+85°C		Unit
		Min	Max	Min	Max	Min	Max	
Power Supply Drain Current	I_E	—	—	—	56	—	—	mAdc
Input Current	I_{inH}	—	—	—	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



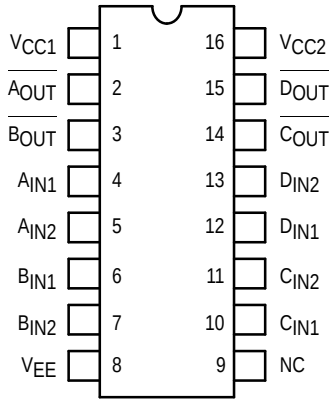
$\overline{OUT} = \overline{IN1 + IN2}$

V_{CC1} = PIN 1
V_{CC2} = PIN 16
V_{EE} = PIN 8

t_{pd} = 0.9 ns typ (510 ohm load)
= 1.1 ns typ (50 ohm load)

P_D = 240 mW typ/pkg (No load)
Full Load Current, I_L = – 25 mAdc max

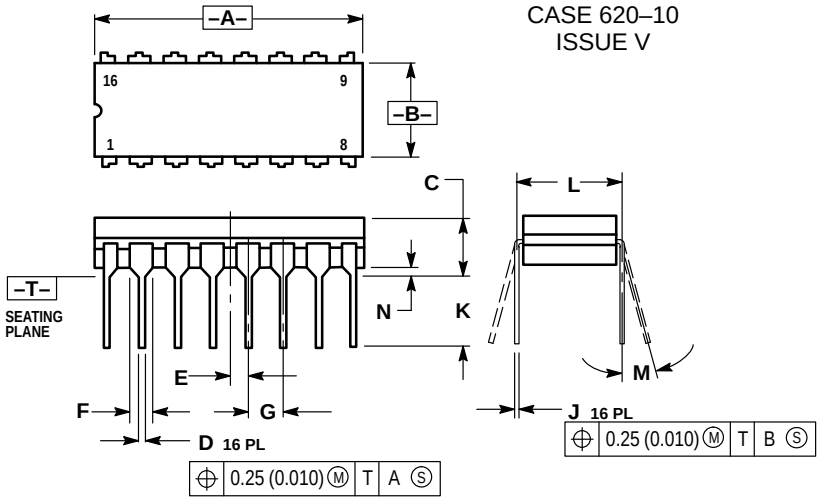
PIN ASSIGNMENT



MOTOROLA

OUTLINE DIMENSIONS

L SUFFIX
CERAMIC DIP PACKAGE
CASE 620–10
ISSUE V



NOTES:
1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.
2. CONTROLLING DIMENSION: INCH.
3. DIMENSION L TO CENTER OF LEAD WHEN FORMED PARALLEL.
4. DIMENSION F MAY NARROW TO 0.76 (0.030) WHERE THE LEAD ENTERS THE CERAMIC BODY.

	INCHES		MILLIMETERS	
DIM	MIN	MAX	MIN	MAX
A	0.750	0.785	19.05	19.93
B	0.240	0.295	6.10	7.49
C	—	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	
H	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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