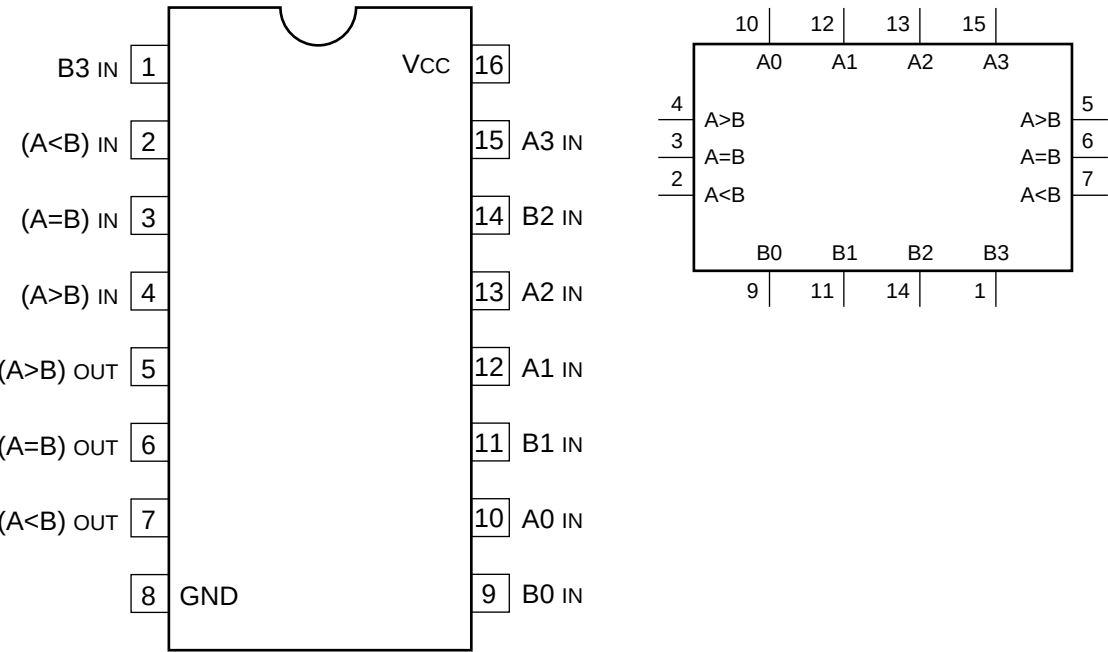


TTL 4-BIT MAGNITUDE COMPARATOR

—TOP VIEW—



INPUTS								OUTPUTS		
DATA COMPARING					CASCADING					
	A3,B3	A2,B2	A1,B1	A0,B0	A<B	A=B	A>B	A<B	A=B	A>B
A>B	A3>B3	x	x	x	x	x	x	0	0	1
	A3=B3	A2>B2	x	x						
	A3=B3	A2=B2	A1>B1	x						
	A3=B3	A2=B2	A1=B1	A0>B0						
A=B	A3=B3	A2=B2	A1=B1	A0=B0	0	0	0	1	0	1
					0	0	1	0	0	1
					x	1	x	0	1	0
					1	0	0	1	0	0
					1	0	1	0	0	0
A<B	A3=B3	A2=B2	A1=B1	A0<B0	x	x	x	1	0	0
	A3=B3	A2=B2	A1<B1	x						
	A3=B3	A2<B2	x	x						
	A3<B3	x	x	x						

0 : LOW LEVEL
1 : HIGH LEVEL
x : DON'T CARE