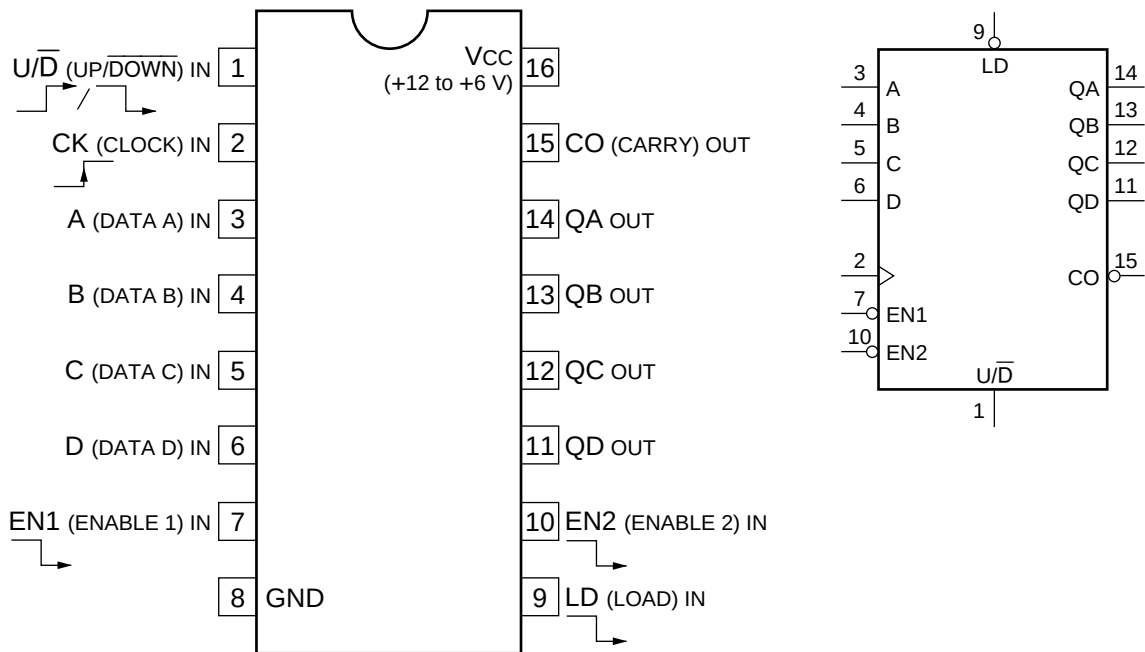


C-MOS PRESETTABLE SYNCHRONOUS 4-BIT DECADE UP/DOWN COUNTER
—TOP VIEW—



MODE SELECTION

INPUTS				MODE
LD	EN1	EN2	U/D	
0	x	x	x	PRESET
x	1	x	x	NO COUNT
x	x	1	x	NO COUNT
1	0	0	1	UP COUNT
1	0	0	0	DOWN COUNT

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

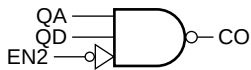
COUNT SEQUENCE

COUNT	OUTPUTS			
	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1

UP COUNT
DOWN COUNT

CARRY OUTPUTS "CO"

AT $\overline{U/D} = 1$



AT $\overline{U/D} = 0$

