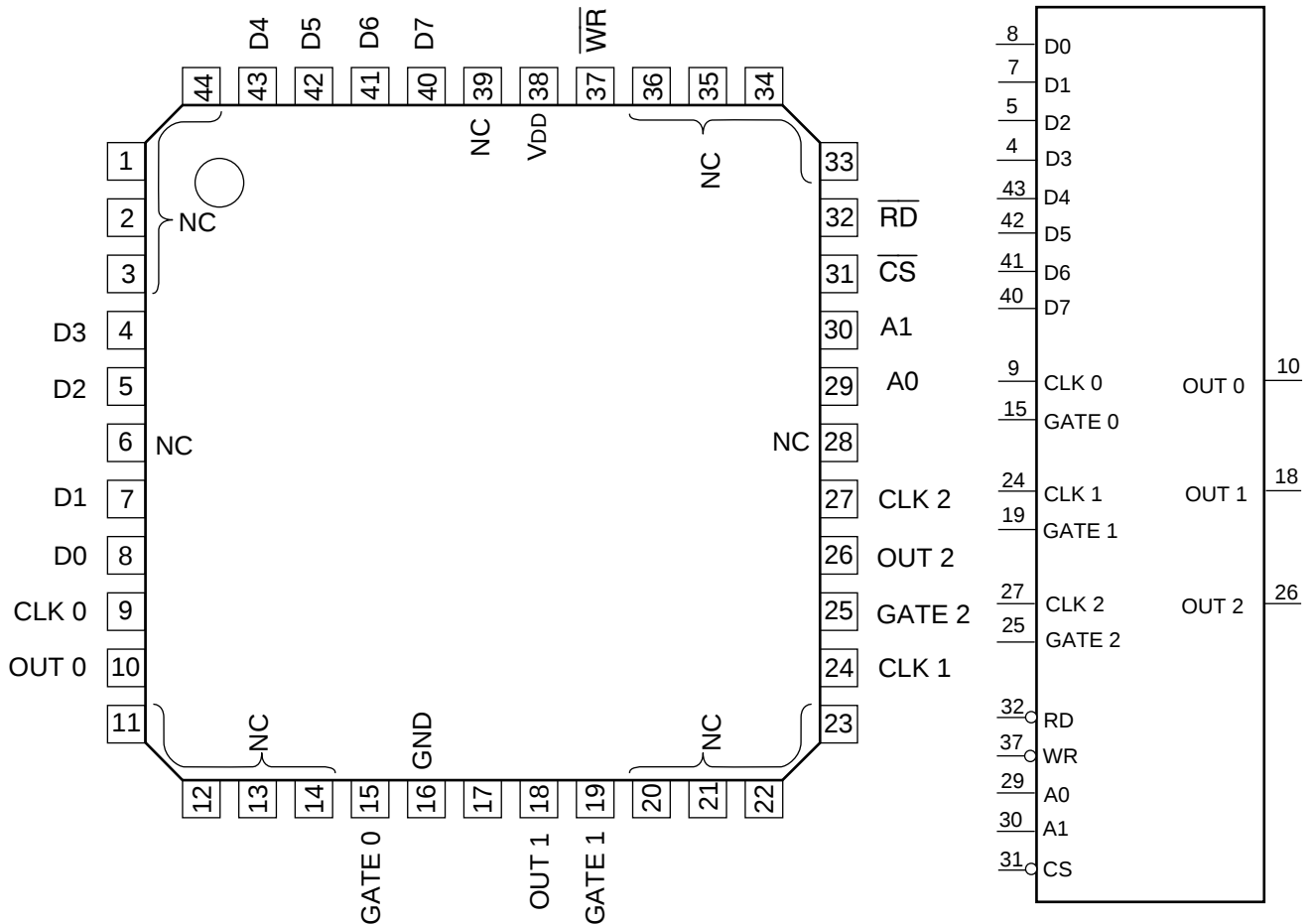


C-MOS PROGRAMMABLE TIMER COUNTER

—TOP VIEW—



FUNCTION TABLE

INPUTS					FUNCTION
CS	RD	WR	A1	A0	
0	1	0	0	0	COUNTER NO. 1 WRITE
0	1	0	0	1	COUNTER NO. 2 WRITE
0	1	0	1	0	COUNTER NO. 3 WRITE
0	1	0	1	1	CONTROL WORD WRITE
0	0	1	0	0	COUNTER NO. 1 READ
0	0	1	0	1	COUNTER NO. 2 READ
0	0	1	1	0	COUNTER NO. 3 READ
0	0	1	1	1	NO -OPERATION (HI-Z)
1	x	x	x	x	DISABLE (HI-Z)
0	1	1	x	x	NO-OPERATION (HI-Z)

A1, A0 : SELECTED READ/WRITE OPERATION

CLK n : COUNTER CLOCK INPUT n

CS : CHIP SELECT

D7 - D0 : 8-BIT DATA I/O

GATE n : COUNTER GATE INPUT n

IC : INTERNALLY CONNECTED

OUT n : COUNTER CLOCK OUTPUT n

RD : READ COUNTER/STATUS

WR : WRITE COMMAND/DATA

0 : LOW LEVEL

1 : HIGH LEVEL

x : DON'T CARE

HI-Z : HIGH IMPEDANCE

CONTROL WORD FORMAT

D7	D6	D5	D4	D3	D2	D1	D0
SC1	SC0	RWM1	RWM0	CM2	CM1	CM0	BCD

BCD ; BINARY CODED DECIMAL

BCD	COUNTER OPERATION
0	16-BIT BINARY COUNT
1	4-FIGURE BCD COUNT

CM2	CM1	CM0	COUNTER MODE
0	0	0	MODE 0
0	0	1	MODE 1
x	1	0	MODE 2
x	1	1	MODE 3
1	0	0	MODE 4
1	0	1	MODE 5

RWM1	RWM0	READ/WRITE MODE
0	0	COUNTER LATCHING CMD.
0	1	LSB ONLY
1	0	MSB ONLY
1	1	LSB FIRST THEN MSB

SC1	SC0	OPERATION
0	0	SELECTED COUNTER No.0
0	1	SELECTED COUNTER No.1
1	0	SELECTED COUNTER No.2
1	1	MULTIPLE LATCH COMMAND

