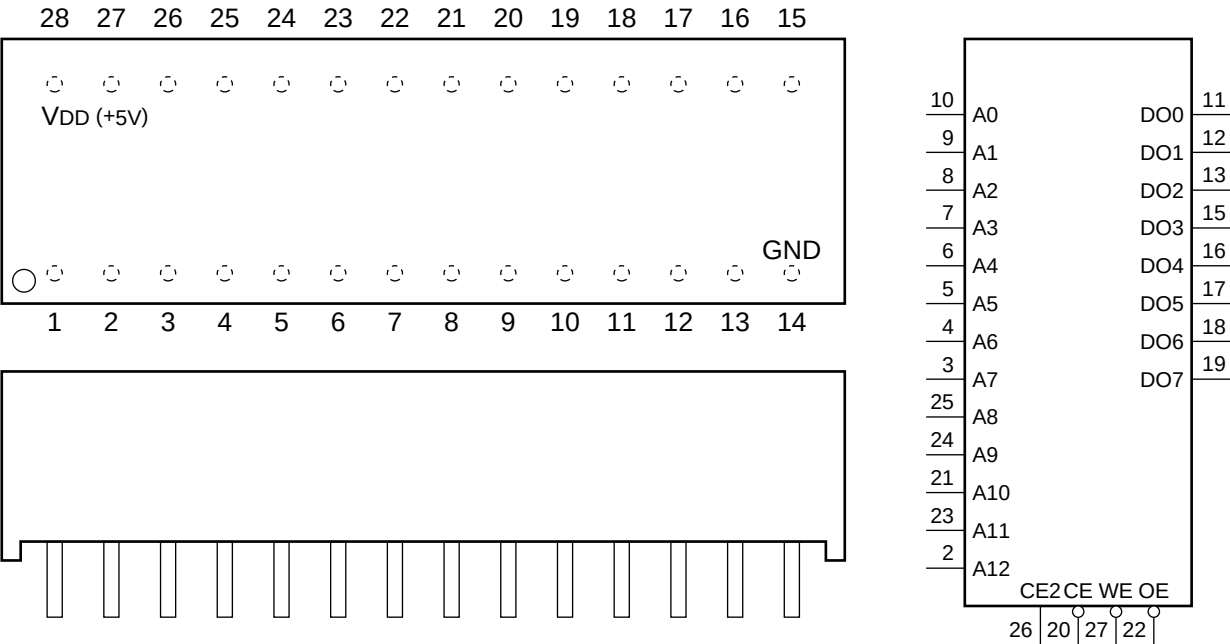

C-MOS 64K (8192 X 8)-BIT NONVOLATILE TIMEKEEPING S-RAM
WITH REAL TIME CLOCK
-TOP/SIDE VIEW-



TRUTH TABLE DS1643 TABLE1

VDD	CE	CE2	OE	WE	MODE	DO	POWER
+5V $\pm$ 10%	1	X	X	X	DESELECT	HIGH Z	STANDBY
	X	0	X	X	DESELECT	HIGH Z	STANDBY
	0	1	X	0	WRITE	DATA IN	ACTIVE
	0	1	0	1	READ	DATA OUT	ACTIVE
	0	1	1	1	READ	HIGH Z	ACTIVE
<+4.5V,> VBAT	X	X	X	X	DESELECT	HIGH Z	C-MOS STANDBY
< VBAT	X	X	X	X	DESELECT	HIGH Z	DATA RETENTION MODE

0 ; LOW LEVEL

1 ; HIGH LEVEL

X ; DON'T CARE

HIGH Z ; HIGH IMPEDANCE

DS1643 REGISTER MAP-BANK1 TABLE2

ADDRESS	DATA								FUNCTION
	B7	B6	B5	B4	B3	B2	B1	B0	
1FFF	—	—	—	—	—	—	—	—	YEAR 00 - 99
1FFE	X	X	X	—	—	—	—	—	MONTH 01 - 12
1FFD	X	X	—	—	—	—	—	—	DATE 01 - 31
1FFC	X	FT	X	X	X	—	—	—	DAY 01 - 07
1FFB	X	X	—	—	—	—	—	—	HOUR 00 - 23
1FFA	X	—	—	—	—	—	—	—	MINUTES 00 - 59
1FF9	OSC	—	—	—	—	—	—	—	SECONDS 00 - 59
1FF8	W	R	—	—	—	—	—	—	CONTROL A

OSC ; STOP BIT

R ; READ BIT

FT ; FREQUENCY TEST

W ; WRITE BIT

X ; UNUSED

