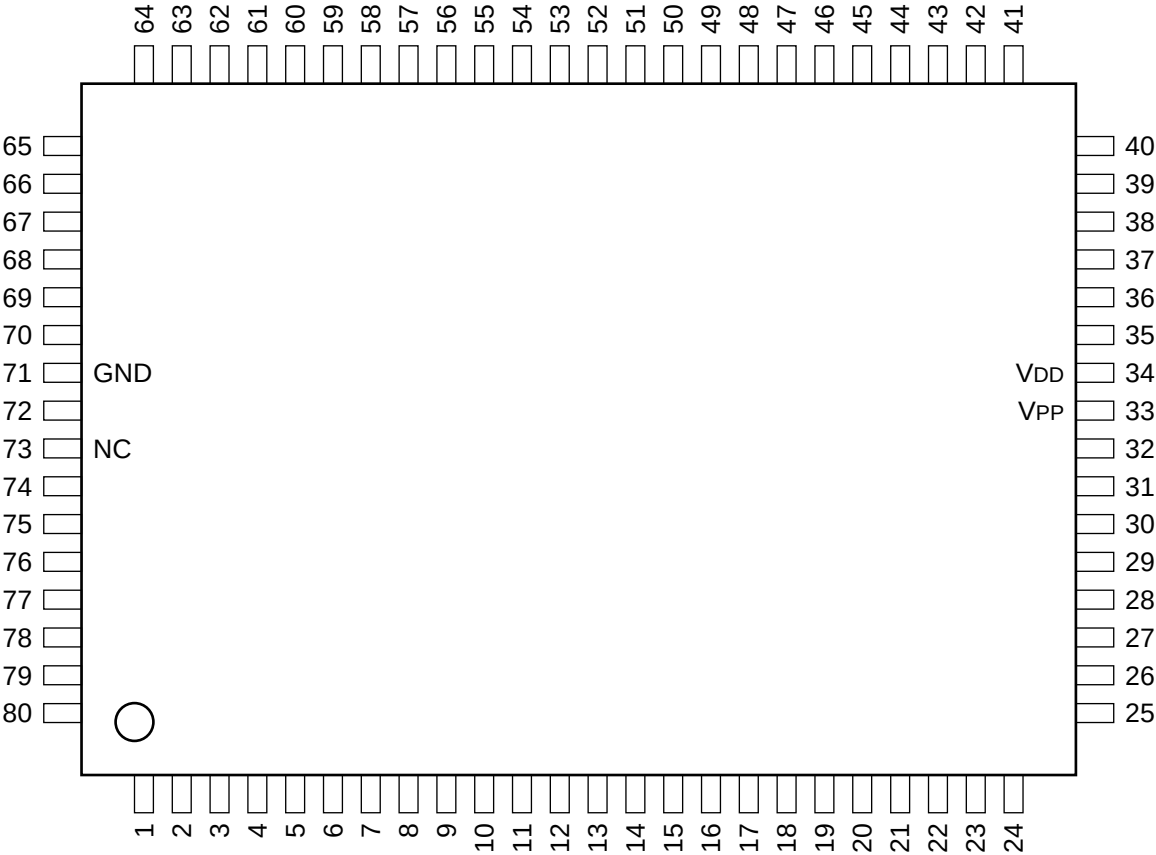


C-MOS 4-BIT SINGLE CHIP MICROCOMPUTER

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	O	S4/PG0	21	O	T7	41	I/O	PB2/AD6	61	I	PY2/WP
2	O	S5/PG1	22	O	T6	42	I/O	PB3/AD7	62	I	PY3/RMC
3	O	S6/PG2	23	O	T5	43	I	$\overline{\text{EC}}$	63	I/O	PD0
4	O	S7/PG3	24	O	T4	44	I/O	PX0/ $\overline{\text{SC}}$	64	I/O	PD1
5	O	S8/PK0	25	O	T3	45	I/O	PX1/SO	65	I/O	PD2
6	O	S9/PK1	26	O	T2	46	I/O	PX2/SI	66	I/O	PD3
7	O	S10/PK2	27	O	T1	47	I/O	PA0	67	I/O	PC0
8	O	S11/PK3	28	O	T0	48	I/O	PA1	68	I/O	PC1
9	O	S12/PJ0	29	I	INT	49	I/O	PA2	69	I/O	PC2
10	O	S13/PJ1	30	O	TX	50	I/O	PA3	70	I/O	PC3
11	O	S14/PJ2	31	I	TEX	51	I/O	PF0	71	—	GND
12	O	S15/PJ3	32	I/O	$\overline{\text{RST}}$	52	I/O	PF1	72	O	XTAL
13	O	S16/T15	33	—	VPP	53	I/O	PF2	73	—	NC
14	O	S17/T14	34	—	VDD	54	I/O	PF3	74	I	EXTAL
15	O	S18/T13	35	I/O	PI0/AD0	55	I/O	PE0	75	I	VREF
16	O	S19/T12	36	I/O	PI1/AD1	56	I/O	PE1	76	O	VFDP
17	O	S20/T11	37	I/O	PI2/AD2	57	I/O	PE2	77	O	PH0/S0
18	O	S21/T10	38	I/O	PI3/AD3	58	I/O	PE3	78	O	PH1/S1
19	O	S22/T9	39	I/O	PB0/AD4	59	O	PY0	79	O	PH2/S2
20	O	S23/T8	40	I/O	PB1/AD5	60	O	$\overline{\text{PY1/PWM}}$	80	O	PH3/S3

INPUT

AD0 - AD7 : ANALOG VOLTAGE
 $\overline{EC}$: EVENT COUNT
 EXTAL : EXTERNAL CLOCK OSCILLATOR
 INT : INTERRUPT
 PX0 : PORT X
 PX1 : PORT X
 PX2 : PORT X
 PY2 : PORT Y
 PY3 : PORT Y
 RMC : REMOTE CONTROL
 SI : SERIAL INTERFACE
 TEX : 32 kHz CLOCK
 VREF : VOLTAGE REFERENCE FOR RESET
 WP : WAKE UP

OUTPUT

PG0 - PG3 : PORT G
 PH0 - PH3 : PORT H
 PJ0 - PJ3 : PORT J
 PK0 - PK3 : PORT K
 $\overline{PWM}$: PWM GENERATOR
 PY0 : PORT Y
 PY1 : PORT Y
 S0 - S23 : SEGMENT SIGNAL
 SO : SERIAL INTERFACE
 T0 - T15 : TIMING SIGNAL FOR FLUORESCENT DISPLAY
 TX : 32 kHz CLOCK
 VFDP : VOLTAGE FOR FLUORESCENT DISPLAY
 XTAL : EXTERNAL CLOCK OSCILLATOR

INPUT/OUTPUT

PA0 - PA3 : PORT A
 PB0 - PB3 : PORT B
 PC0 - PC3 : PORT C
 PD0 - PD3 : PORT D
 PE0 - PE3 : PORT E
 PF1 - PF3 : PORT F
 PI0 - PI3 : PORT I
 $\overline{RST}$: RESET
 $\overline{SC}$: SERIAL INTERFACE CLOCK