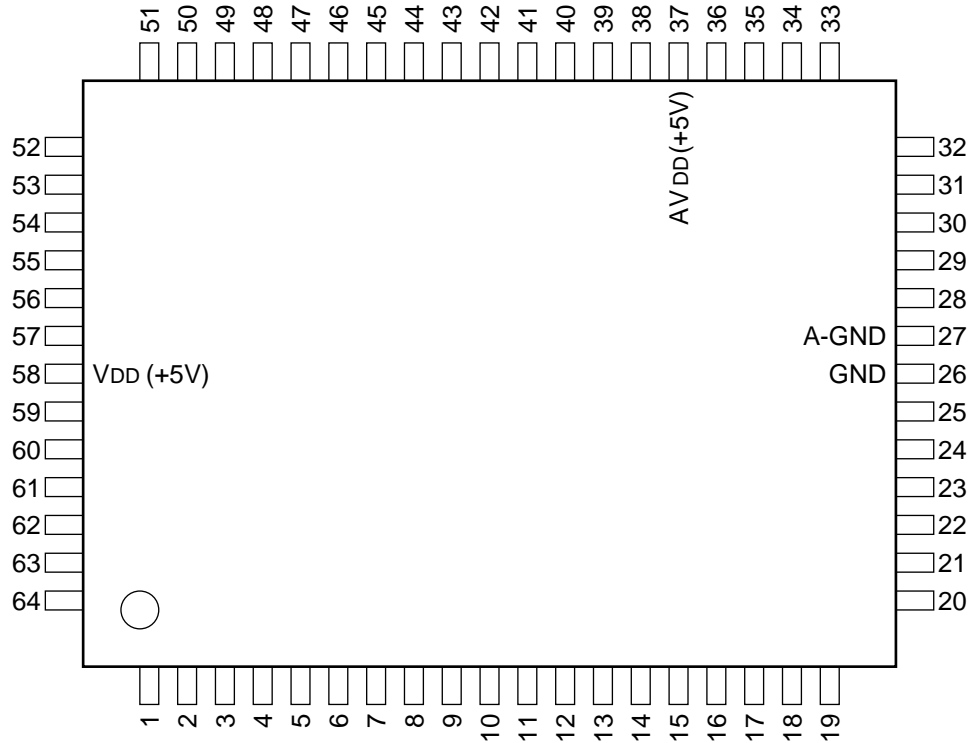


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C-MOS 8-BIT MICROCOMPUTER

- TOP VIEW -



(AVDD, VDD = +5V)

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I/O	PA6	17	I/O	PC6/CO0	33	I	AN5	49	I/O	PD0/AD0
2	I/O	PA7	18	I/O	PC7/CO1	34	I	AN6	50	I/O	PF1/AD1
3	I/O	PB0	19	I	NMI	35	I	AN7	51	I/O	PD2/AD2
4	I/O	PB1	20	I	INT1	36	I	V AREF	52	I/O	PD3/AD3
5	I/O	PB2	21	I/O	MODE1	37	-	AV DD	53	I/O	PD4/AD4
6	I/O	PB3	22	I	RESET	38	O	RD	54	I/O	PD5/AD5
7	I/O	PB4	23	I/O	MODE0	39	O	WR	55	I/O	PD6/AD6
8	I/O	PB5	24	-	X2	40	O	ALE	56	I/O	PD7/AD7
9	I/O	PB6	25	I	X1	41	I/O	PF0/AB8	57	I	STOP
10	I/O	PB7	26	-	GND	42	I/O	PF1/AB9	58	-	V DD
11	I/O	PC0/TxD	27	-	A-GND	43	I/O	PF2/AB10	59	I/O	PA0
12	I/O	PC1/RxD	28	I	AN0	44	I/O	PF3/AB11	60	I/O	PA1
13	I/O	PC2/SCK	29	I	AN1	45	I/O	PF4/AB12	61	I/O	PA2
14	I/O	PC3/INT2/TI	30	I	AN2	46	I/O	PF5/AB13	62	I/O	PA3
15	I/O	PC4/TO	31	I	AN3	47	I/O	PF6/AB14	63	I/O	PA4
16	I/O	PC5/CI	32	I	AN4	48	I/O	PF7/AB15	64	I/O	PA5

25	X1	PA0	59
24	X2	PA1	60
57	STOP	PA2	61
		PA3	62
11	PC0/TxD	PA4	63
12	PC1/RxD	PA5	64
13	PC2/SCK	PA6	1
14	PC3/INT2/TI	PA7	2
15	PC4/TO		
16	PC5/CI	PB0	3
17	PC6/CO0	PB1	4
18	PC7/CO1	PB2	5
		PB3	6
		PB4	7
		PB5	8
19	NMI	PB6	9
20	INT1	PB7	10
28	AN0	AD0/PD0	49
29	AN1	AD1/PD1	50
30	AN2	AD2/PD2	51
31	AN3	AD3/PD3	52
32	AN4	AD4/PD4	53
33	AN5	AD5/PD5	54
34	AN6	AD6/PD6	55
35	AN7	AD7/PD7	56
36	VAREF	AB8/PF0	41
37	A-VDD	AB9/PF1	42
27	A-GND	AB10/PF2	43
		AB11/PF3	44
		AB12/PF4	45
		AB13/PF5	46
		AB14/PF6	47
22	RESET	AB15/PF7	48
		ALE	40
23	MODE 0	WR	39
21	MODE 1	RD	38

**INPUT**

- AN0-7 ; ANALOG DATA
- CI ; COUNTER
- INT 1 ; MASKABLE INTERRUPT REQUEST 1
- INT 2 ; MASKABLE INTERRUPT REQUEST 2
- NMI ; NON-MASKABLE INTERRUPT REQUEST
- RESET ; SYSTEM RESET
- RxD ; RECEIVE DATA
- STOP ; SYSTEM STOP
- TI ; TIMER
- VAREF ; REFERENCE VOLTAGE
- X1, 2 ; EXTERNAL CRYSTAL, X1; SYSTEM CLOCK INPUT

**OUTPUT**

- AB8-15 ; ADDRESS BUS
- ALE ; ADDRESS LATCH ENABLE
- CO0, 1 ; COUNTER 0, 1
- RD ; READ STROBE
- TO ; TIMER
- TxD ; TRANSMIT DATA
- WR ; WRITE STROBE

**INPUT/OUTPUT**

- AD0-7 ; ADDRESS DATA BUS
- MODE 0, 1 ; MEMORY MODE
- PA0-7 ; PORT A
- PB0-7 ; PORT B
- PC0-7 ; PORT C
- PD0-7 ; PORT D
- PF0-7 ; PORT F
- SCK ; SERIAL CLOCK

