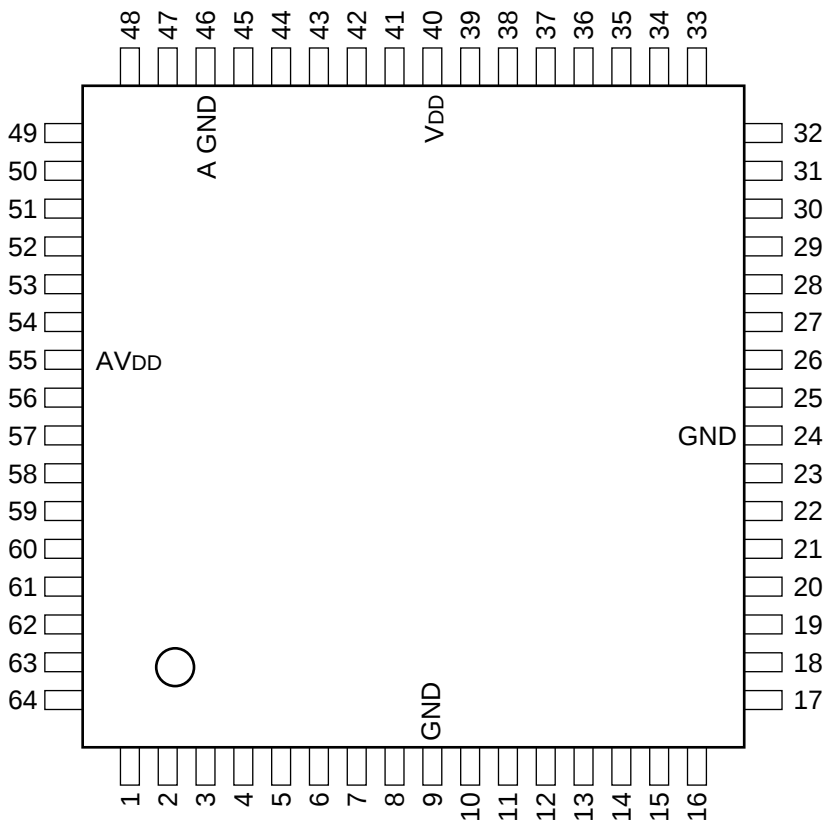


C-MOS 8-BIT SINGLE CHIP MICROCOMPUTER WITH MASK ROM
—TOP VIEW—

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PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I/O	P30/TO0	17	I/O	P47/AD7	33	I/O	P66/WAIT	49	I	P12/AN12
2	I/O	P31/TO1	18	I/O	P50/A8	34	I/O	P67/ASTB	50	I	P13/AN13
3	I/O	P32/TO2	19	I/O	P51/A9	35	I	RESET	51	I	P14/AN14
4	I/O	P33/T11	20	I/O	P52/A10	36	I	P00/INTP0/T10	52	I	P15/AN15
5	I/O	P34/T12	21	I/O	P53/A11	37	I/O	P01/INTP1	53	I	P16/AN16
6	I/O	P35/PCL	22	I/O	P54/A12	38	I/O	P02/INTP2	54	I	P17/AN17
7	I/O	P36/BUZ	23	I/O	P55/A13	39	I/O	P03/INTP3	55	—	AVDD
8	I/O	P37	24	—	GND	40	—	VDD	56	—	AVREF
9	—	GND	25	I/O	P56/A14	41	O	X2	57	I/O	P20/SI1
10	I/O	P40/AD0	26	I/O	P57/A15	42	I	X1	58	I/O	P21/SO1
11	I/O	P41/AD1	27	I/O	P60	43	—	MODE	59	I/O	P22/SCK1
12	I/O	P42/AD2	28	I/O	P61	44	—	XT2	60	I/O	P23/STB
13	I/O	P43/AD3	29	I/O	P62	45	I	P04/XT1	61	I/O	P24/BUSY
14	I/O	P44/AD4	30	I/O	P63	46	—	A GND	62	I/O	P25/S10/SB0
15	I/O	P45/AD5	31	I/O	P64/RD	47	I	P10/AN10	63	I/O	P26/S00/SB1
16	I/O	P46/AD6	32	I/O	P65/WR	48	I	P11/AN11	64	I/O	P27/SCK0

35	RESET	P30/TO0	1
		P31/TO1	2
		P32/TO2	3
41	X2	P33/TI1	4
42	X1	P34/TI2	5
		P35/PCL	6
		P36/BUZ	7
44	XT2	P37	8
36	P00/INTP1/T10	P40/AD0	10
37	P01/INTP1	P41/AD1	11
38	P02/INTP2	P42/AD2	12
39	P03/INTP3	P43/AD3	13
45	P04/XT1	P44/AD4	14
		P45/AD5	15
		P46/AD6	16
56	AVREF	P47/AD7	17
47	P10/AN10	P50/A8	18
48	P11/AN11	P51/A9	19
49	P12/AN12	P52/A10	20
50	P13/AN13	P53/A11	21
51	P14/AN14	P54/A12	22
52	P15/AN15	P55/A13	23
53	P16/AN16	P56/A14	25
54	P17/AN17	P57/A15	26
57	P20/SI1	P60	27
58	P21/SO1	P61	28
59	P22/SCK1	P62	29
60	P23/STB	P63	30
61	P24/BUSY	P64/RD	31
62	P25/S10/SB0	P65/WR	32
63	P26/S00/SB1	P66/WAIT	33
64	P27/SCK0	P67/ASTB	34
	MODE		

INPUT

ANI0 - ANI7	; ANALOG 0 - 7
AVREF	; ANALOG REFERENCE VOLTAGE
BUSY	; BUSY
INTP0 - INTP3	; INTERRUPT FROM PERIPHERALS 0 - 3
MODE	; ROM-LESS MODE
P00, P04	; PORT 0
P10 - P17	; PORT 1
RESET	; RESET
SI0, SI1	; SERIAL 0, 1
TI0 - TI2	; TIMER 0 - 2
WAIT	; WAIT
X1, X2	; CRYSTAL 1, 2 (MAIN SYSTEM CLOCK)
XT1, XT2	; CRYSTAL 1, 2 (SUB SYSTEM CLOCK)

OUTPUT

A8 - A15	; ADDRESS BUS 8 - 15
ASTB	; ADDRESS STROBE
BUZ	; BUZZER CLOCK
PCL	; PROGRAMMABLE CLOCK
RD	; READ STROBE
SO0, SO1	; SERIAL 0, 1
STB	; STROBE
TO0 - TO2	; TIMER 0 - 2
WR	; WRITE STROBE

INPUT/OUTPUT

AD0 - AD7	; ADDRESS / DATA BUS 0 - 7
P01 - P03	; PORT 0
P20 - P27	; PORT 2
P30 - P37	; PORT 3
P40 - P47	; PORT 4
P50 - P57	; PORT 5
P60 - P67	; PORT 6
SB0, SB1	; SERIAL BUS 0, 1
SCK0, SCK1	; SERIAL CLOCK 0, 1

