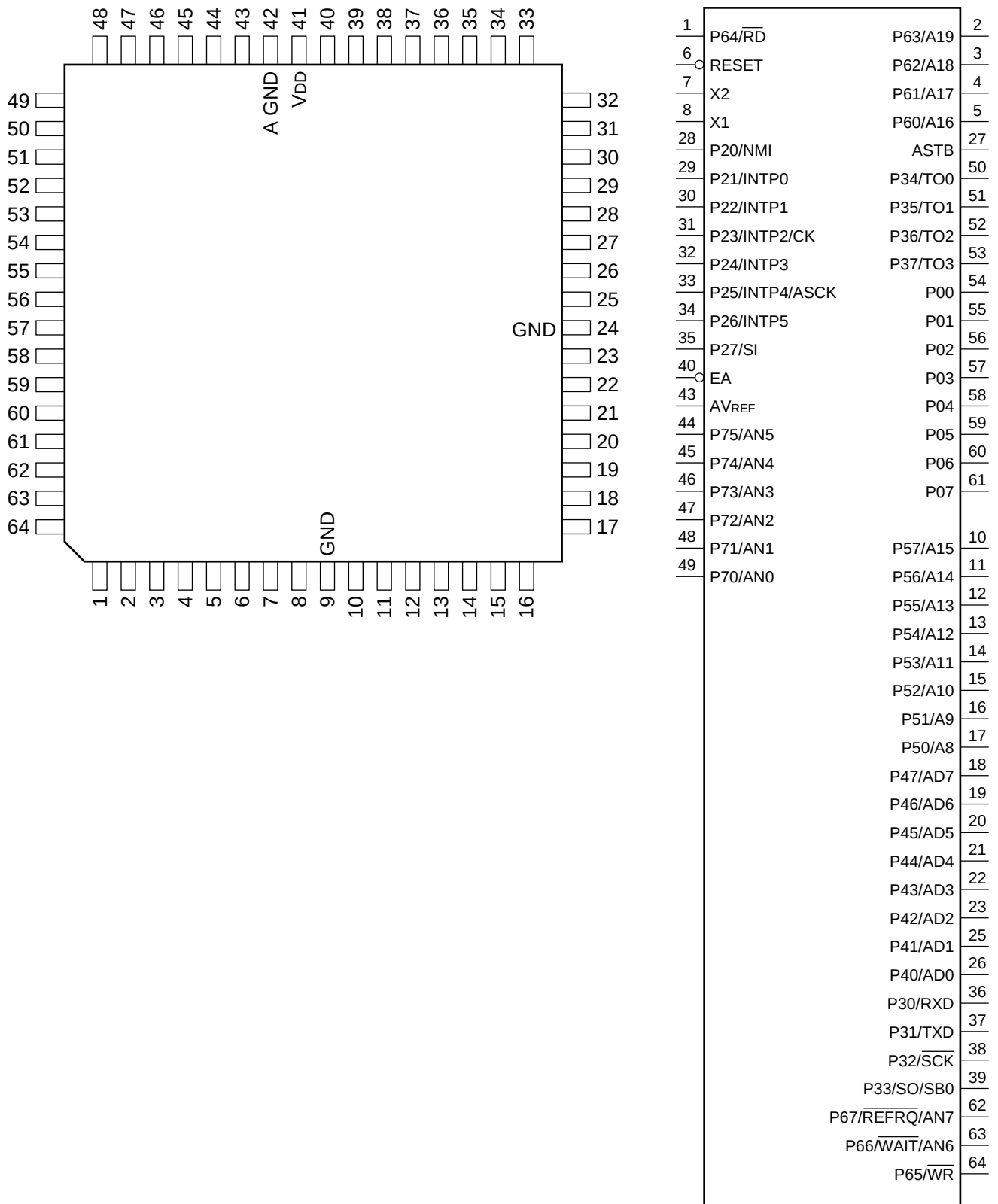


C-MOS 8-BIT SINGLE CHIP MICROCOMPUTER WITH ONE TIME PROM

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I/O	P64/ $\overline{\text{RD}}$	17	I/O	P50/A8	33	I	P25/INTP4/ASCK	49	I	P70/AN0
2	O	P63/A19	18	I/O	P47/AD7	34	I	P26/INTP5	50	O	P34/TO0
3	O	P62/A18	19	I/O	P46/AD6	35	I	P27/SI	51	O	P35/TO1
4	O	P61/A17	20	I/O	P45/AD5	36	I/O	P30/RXD	52	O	P36/TO2
5	O	P60/A16	21	I/O	P44/AD4	37	I/O	P31/TXD	53	O	P37/TO3
6	I	$\overline{\text{RESET}}$	22	I/O	P43/AD3	38	I/O	P32/ $\overline{\text{SCK}}$	54	O	P00
7	I	X2	23	I/O	P42/AD2	39	I/O	P33/SO/SB0	55	O	P01
8	I	X1	24	—	GND	40	I	$\overline{\text{EA}}$	56	O	P02
9	—	GND	25	I/O	P41/AD1	41	—	VDD	57	O	P03
10	I/O	P57/A15	26	I/O	P40/AD0	42	—	A GND	58	O	P04
11	I/O	P56/A14	27	O	ASTB	43	I	AVREF	59	O	P05
12	I/O	P55/A13	28	I	P20/NMI	44	I	P75/AN5	60	O	P06
13	I/O	P54/A12	29	I	P21/INTP0	45	I	P74/AN4	61	O	P07
14	I/O	P53/A11	30	I	P22/INTP1	46	I	P73/AN3	62	I/O	P67/ $\overline{\text{REFRQ}}$ /AN7
15	I/O	P52/A10	31	I	P23/INTP2/CK	47	I	P72/AN2	63	I/O	P66/ $\overline{\text{WAIT}}$ /AN6
16	I/O	P51/A9	32	I	P24/INTP3	48	I	P71/AN1	64	I/O	P65/WR

INPUT

AN0 - AN7 ; ANALOG DATA
 ASCK ; ASYNCHRONOUS SERIAL CLOCK
 AVREF ; REFERENCE VOLTAGE
 CK ; CLOCK
 $\overline{\text{EA}}$; EXTERNAL ACCESS
 INTP0 - INTP5 ; INTERRUPT FROM PERIPHERALS
 NMI ; NON-MASKABLE INTERRUPT
 P20 - P27 ; PORT 2
 P70 - P75 ; PORT 7
 $\overline{\text{RESET}}$; SYSTEM RESET
 RXD ; RECEIVE DATA
 SI ; SERIAL DATA
 $\overline{\text{WAIT}}$; WAIT
 X1, X2 ; EXTERNAL CRYSTAL OSCILLATOR

INPUT/OUTPUT

AD0 - AD7 ; ADDRESS/DATA BUS
 P30 - P37 ; PORT 3
 P40 - P47 ; PORT 4
 P50 - P57 ; PORT 5
 P64 - P67 ; PORT 6
 SB0 ; SERIAL BUS

OUTPUT

A8 - A19 ; ADDRESS BUS
 ASTB ; ADDRESS STROBE
 P00 - P07 ; PORT 0
 P60 - P63 ; PORT 6
 $\overline{\text{RD}}$; READ STROBE
 $\overline{\text{REFRQ}}$; REFRESH REQUEST
 $\overline{\text{SCK}}$; SERIAL CLOCK
 SO ; SERIAL DATA
 TO0 - TO3 ; TIMER DATA
 TXD ; TRANSMIT DATA
 WR ; WRITE STROBE

