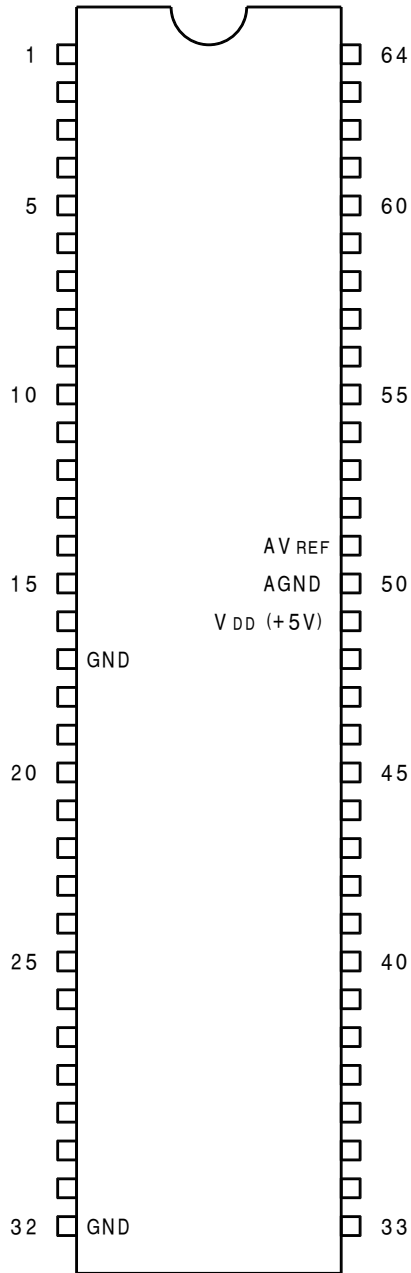

C-MOS 8-BIT SINGLE CHIP MICROCOMPUTER WITH ROM

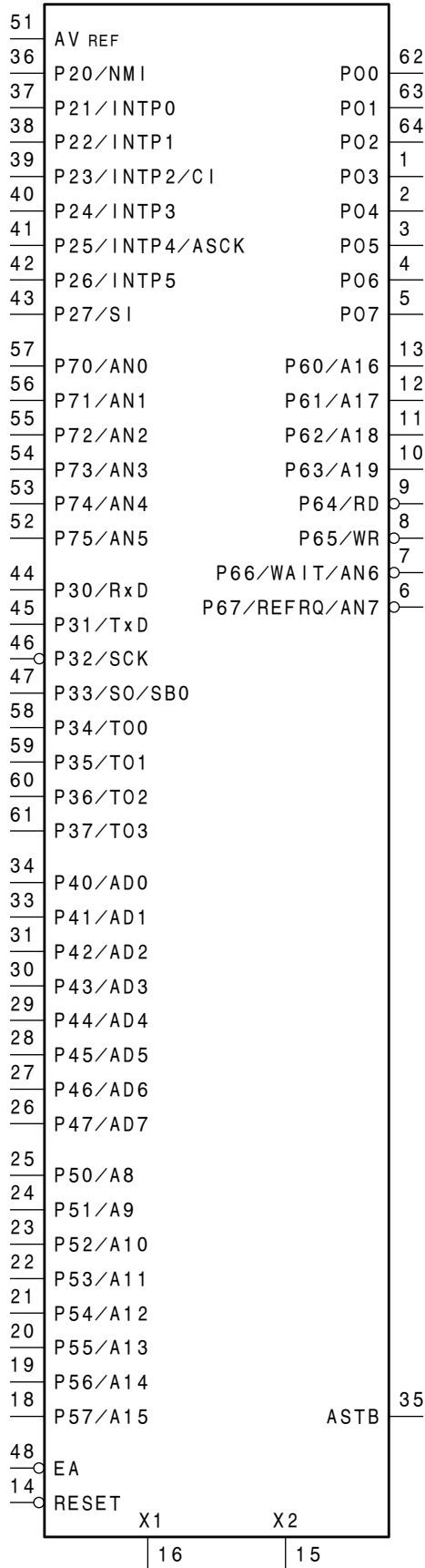
-TOP VIEW-



PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	O	P03	33	I/O	P41/AD1
2	O	P04	34	I/O	P40/AD0
3	O	P05	35	O	ASTB
4	O	P06	36	I	P20/NMI
5	O	P07	37	I	P21/INTP0
6	I/O	P67/REFRQ/AN7	38	I	P22/INTP1
7	I/O	P66/WAIT/AN6	39	I	P23/INTP2/C1
8	I/O	P65/WR	40	I	P24/INTP3
9	I/O	P64/RD	41	I	P25/INTP4/ASCK
10	O	P63/A19	42	I	P26/INTP5
11	O	P62/A18	43	I	P27/SI
12	O	P61/A17	44	I/O	P30/RxD
13	O	P60/A16	45	I/O	P31/TxD
14	I	RESET	46	I/O	P32/SCK
15	-	X2	47	I/O	P33/SO/SB0
16	I	X1	48	I	EA
17	-	GND	49	-	V DD
18	I/O	P57/A15	50	-	AGND
19	I/O	P56/A14	51	-	AV REF
20	I/O	P55/A13	52	I	P75/AN5
21	I/O	P54/A12	53	I	P74/AN4
22	I/O	P53/A11	54	I	P73/AN3
23	I/O	P52/A10	55	I	P72/AN2
24	I/O	P51/A9	56	I	P71/AN1
25	I/O	P50/A8	57	I	P70/AN0
26	I/O	P47/AD7	58	I/O	P34/T00
27	I/O	P46/AD6	59	I/O	P35/T01
28	I/O	P45/AD5	60	I/O	P36/T02
29	I/O	P44/AD4	61	I/O	P37/T03
30	I/O	P43/AD3	62	O	P00
31	I/O	P42/AD2	63	O	P01
32	-	GND	64	O	P02

*

TYPE	ROM TYPE.	SIZE	RAM SIZE
UPD78212	MASK.	8k-BYTE	128-BYTE
UPD78214	MASK.	16k-BYTE	256-BYTE
UPD78218	MASK.	32k-BYTE	1024-BYTE
UPD78P214	ONE TIME.	16k-BYTE	256-BYTE



PORT

P00-P07	; PORT 0 OUT
P20-P27	; PORT 2 IN
P30-P37	; PORT 3 IN/OUT
P40-P47	; PORT 4 IN/OUT
P50-P57	; PORT 5 IN/OUT
P60-P67	; PORT 6 IN/OUT (P60-P63: OUT)
P70-P75	; PORT 7 IN

OTHERS

T00-T03	; TIMER OUTPUT
CI	; CLOCK INPUT
RxD	; RECEIVE DATA IN/OUT
TxD	; TRANSMIT DATA IN/OUT
SCK	; SERIAL CLOCK IN/OUT
ASCK	; ASYNCHRONOUS SERIAL CLOCK IN
SB0	; SERIAL BUS IN/OUT
SI	; SERIAL INPUT
SO	; SERIAL OUTPUT
NMI	; NON-MASKABLE INTERRUPT IN
INTP0-INTP5	; INTERRUPT FROM PERIPHERALS IN
AD0-AD7	; ADDRESS/DATA BUS IN/OUT
A8-A19	; ADDRESS BUS IN/OUT (A16-A19: OUT)
$\overline{RD}$	; READ STROBE IN/OUT
$\overline{WR}$	; WRITE STROBE IN/OUT
$\overline{WAIT}$	; WAIT IN/OUT
ASTB	; ADDRESS STROBE OUT
$\overline{REFRQ}$	; REFRESH REQUEST IN/OUT
$\overline{RESET}$	; RESET IN
X1, X2	; CRYSTAL (X1: CLOCK IN)
$\overline{EA}$	; EXTERNAL ACCESS IN
AN0-AN7	; ANALOG INPUT

