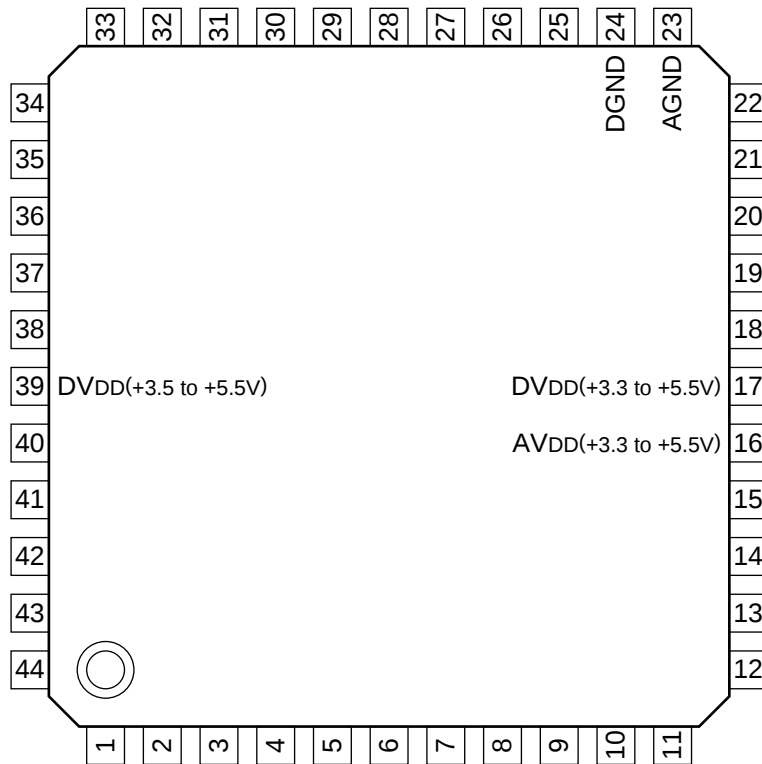
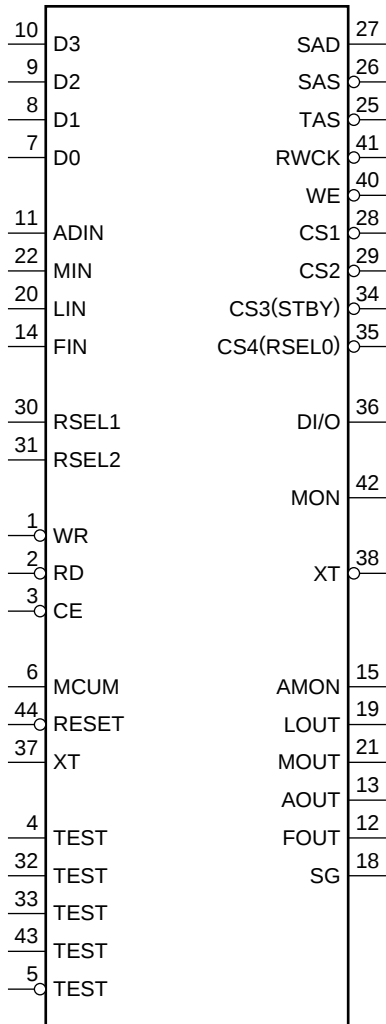

SILICON-GATE C-MOS IC (MICROCOMPUTER INTERFACE MODE)
-TOP VIEW-



(V_{DD} = +3.5 to +5.5V)

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	WR	12	O	FOUT	23	—	AGND	34	O	CS3(STBY)
2	I	RD	13	O	AOUT	24	—	DGND	35	I/O	CS4(RSEL0)
3	I	CE	14	I	FIN	25	O	TAS	36	I/O	DI/O
4	I	TEST	15	O	AMON	26	O	SAS	37	I	XT
5	I	TEST	16	—	AVDD	27	O	SAD	38	O	XT
6	I	MCUM	17	—	DVDD	28	O	CS1	39	—	DVDD
7	I/O	D0	18	O	SG	29	O	CS2	40	O	WE
8	I/O	D1	19	O	LOUT	30	I	RSEL1	41	O	RWCK
9	I/O	D2	20	I	LIN	31	I	RSEL2	42	O	MON
10	I/O	D3	21	O	MOUT	32	I	TEST	43	I	TEST
11	I	ADIN	22	I	MIN	33	I	TEST	44	I	RESET

**INPUT**

ADIN	; INTERNAL 12-BIT A/D CONVERTER
$\overline{CE}$	; CHIP ENABLE
FIN	; INTERNAL LOW PASS FILTER
LIN	; INTERNAL OP AMP INVERSION
MCUM	; MODE SELECT
MIN	; INTERNAL OP AMP INVERSION
$\overline{RD}$	; READ
$\overline{RESET}$	; RESET
RSEL1, RSEL2	; REGISTER SELECT
TEST, $\overline{TEST}$	; TEST
WR	; WRITE
XT	; OSCILATOR CLOCK

OUTPUT

AMON	; REC = LOUT PIN, PB = D/A CONVERTER OUT
AOUT	; INTERNAL LOW PASS FILTER
$\overline{CS1}$, $\overline{CS2}$	; CHIP SELECT
$\overline{CS3}$ (STBY)	; CHIP SELECT(STANDBY)
FOUT	; INTERNAL LOW PASS FILTER
LOUT	; INTERNAL OP AMP
MON	; NC(PB = HIGH LEVEL OUTPUT, EXT COMMAND PB = SYNCHRONIZED CLOCK OUTPUT)
MOUT	; INTERNAL OP AMP
$\overline{RWCK}$	; READ/WRITE CLOCK
SAD	; SERIAL ADDRESS DATA
SAS	; SERIAL ADDRESS STROBE
SG	; ANALOG CIRCUIT REFERENCE VOLTAGE
$\overline{TAS}$	; TRANSFER ADDRESS STROBE
$\overline{WE}$	; WRITE ENABLE
$\overline{XT}$	; OSCILLATOR CLOCK

INPUT/OUTPUT

CS4(RSEL0)	; CHIP SELECT(REGISTER SELECT)
D0-D3	; DATA
DI/O	; DATA I/O
AGND	; ANALOG GROUND
AVDD	; ANALOG POWER SUPPLY
DGND	; DIGITAL GROUND
DVDD	; DIGITAL POWER SUPPLY

