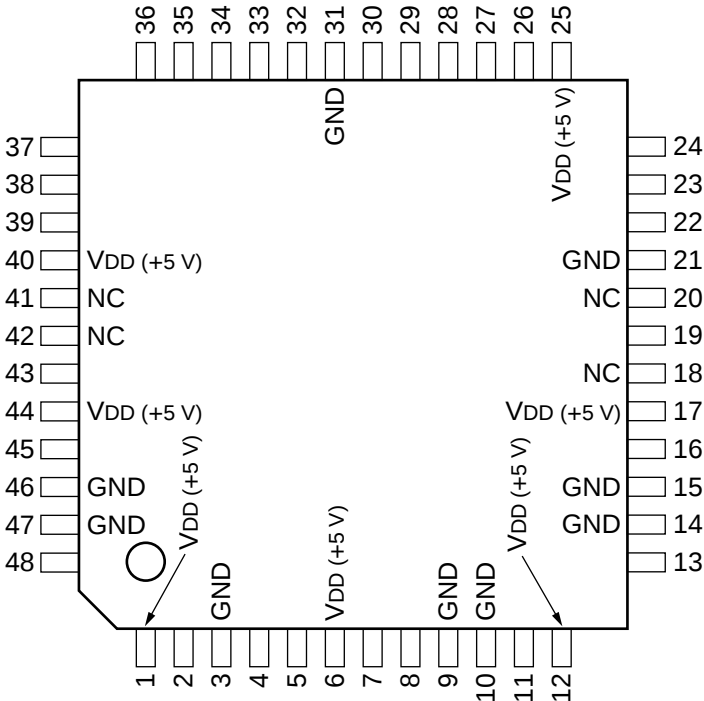


C-MOS AUDIO 1-BIT A/D CONVERTER
—TOP VIEW—



(VDD = +5 V)

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	—	VDD	25	—	VDD
2	O	AOUT1 (+)	26	I	MS
3	—	GND	27	I/O	LRCK
4	O	UCLK	28	I/O	BCK
5	O	XCLK	29	I	SIN
6	—	VDD	30	O	SOUT
7	I	XTLI	31	—	GND
8	O	XTLO	32	I	MASL
9	—	GND	33	I	MLSL
10	—	GND	34	I	XSL0
11	O	AOUT2 (+)	35	I	XSL1
12	—	VDD	36	I	XSL2
13	O	AOUT2 (—)	37	I	DASL0
14	—	GND	38	I	DASL1
15	—	GND	39	I	WO
16	I	AIN2	40	—	VDD
17	—	VDD	41	—	NC
18	—	NC	42	—	NC
19	—	SUB	43	—	SUB
20	—	NC	44	—	VDD
21	—	GND	45	I	AIN1
22	O	XMCK2	46	—	GND
23	I	TEST	47	—	GND
24	I	CLR	48	O	AOUT1 (—)

34	XSL0	XCLK	5
35	XSL1	UCLK	4
36	XSL2	XTLO	8
7	XTLI		
		AOUT1 (+)	2
45	AIN1	AOUT1 (—)	48
16	AIN2	AOUT2 (+)	11
		AOUT2 (—)	13
29	SIN		
32	MASL	SOUT	30
33	MLSL	LRCK	27
		BCK	28
23	TEST	XMCK2	22
24	CLR		
26	MS		
37	DASL0		
38	DASL1		
39	WO		

INPUT

AIN1	: CH-1 A/D CONVERTER ANALOG
AIN2	: CH-2 A/D CONVERTER ANALOG
CLR	: SYSTEM CLEAR (NORMALLY SET AT "H", CLEAR AT "L")
DASL0	: IC MEASURING (NORMALLY SET AT "H")
DASL1	: IC MEASURING (NORMALLY SET AT "L")
MASL	: INPUTS 16-BIT SERIAL DATA TO FIRST HALF 16-BIT SLOT OR LATTER HALF 32-BIT SLOT IN 32-BIT SLOT
MLSL	: SELECTS 16-BIT SERIAL DATA INPUT/OUTPUT IN LSB OR MSB FIRST ("H" = MSB FIRST, "L" = LSB FIRST)
MS	: SWITCHES MASTER/SUB MODE ("H" = MASTER MODE, "L" = SUB MODE)
SIN	: 1 SAMPLING 2 CHANNELS SERIAL DATA
TEST	: TEST PIN (NORMALLY SET AT "L")
WO	: SYNC WINDOW OPEN ("H" = WINDOW MASKED, "L" = WINDOW OPEN)
XSL0 - XSL2	: CRYSTAL OSCILLATION
XTLI	: CRYSTAL OSCILLATOR ALSO RECEIVES EXTERNAL MASTER CLOCK

OUTPUT

AOUT1 (-)	: CH-1 D/A CONVERTER ANALOG NEGATIVE-PHASE
AOUT1 (+)	: CH-1 D/A CONVERTER ANALOG POSITIVE-PHASE
AOUT2 (+)	: CH-2 D/A CONVERTER ANALOG POSITIVE-PHASE
AOUT2 (-)	: CH-2 D/A CONVERTER ANALOG NEGATIVE-PHASE
BCK	: SERIAL BIT TRANSFER CLOCK FOR SERIAL INPUT DATA SIN AND SERIAL OUTPUT DATA SOUT
LRCK	: SERIAL I/O SAMPLING FREQUENCY CLOCK. MASTER WHEN OUTPUT, SUB WHEN INPUT
SOUT	: 1 SAMPLING 2 CHANNELS SERIAL DATA
UCLK	: 1/2 DIVIDED CLOCK FREQUENCY FROM XTLI
XCLK	: 256 fs/512 fs CLOCK
XMCK2	: IC MEASURING (NORMALLY OUTPUT AT "L")
XTLO	: CRYSTAL OSCILLATOR

