DATA SHEET



SEMICONDUCTOR COMPANY MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

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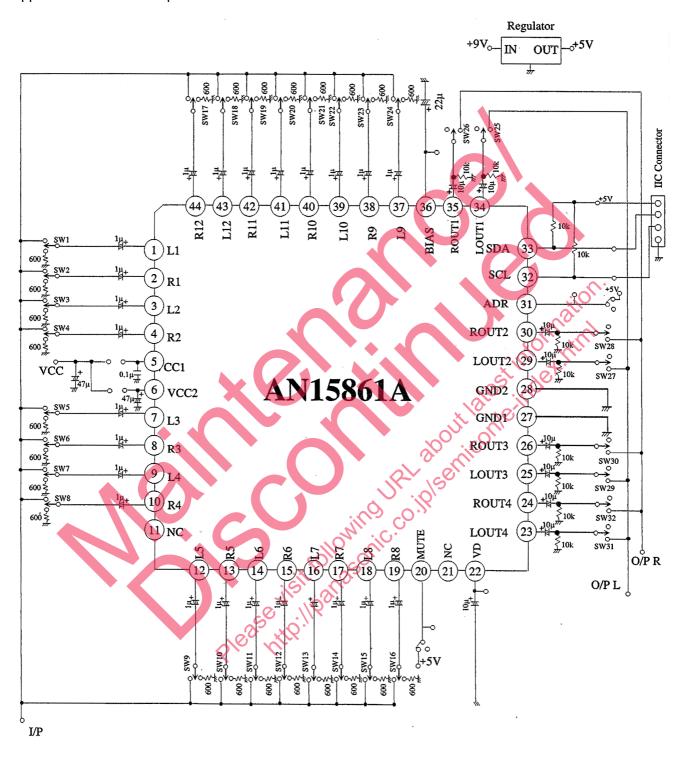
AN15861A

AV Switch IC

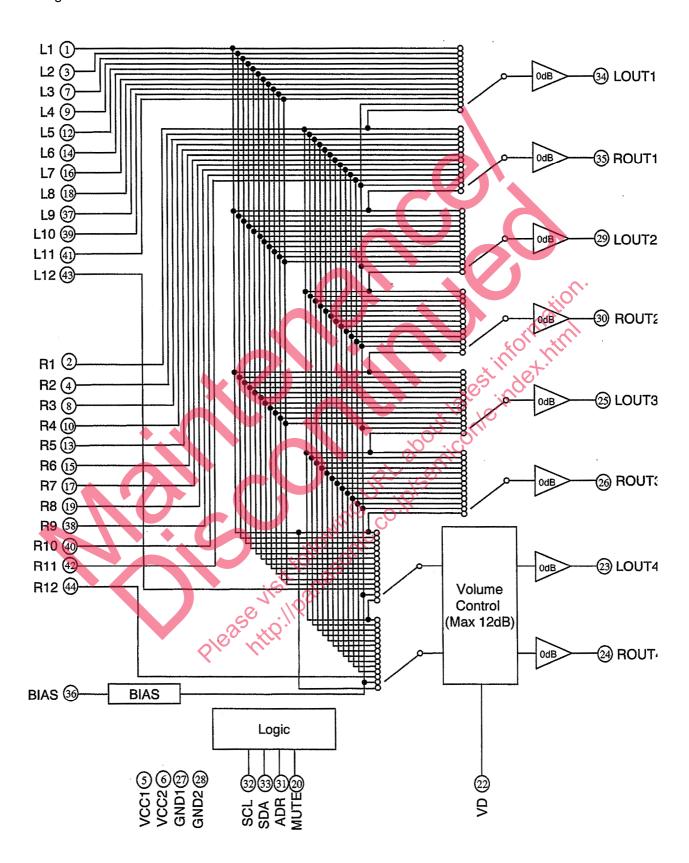
- Features
 - 12-input 4-output channel audio switch IC
- Application
- Package



■ Application Circuit Example



■ Block Diagram



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■ Pin Descriptions

Pin No.	Description	Pin No.	Description
1	L1	23	L-out4
2	R1	24	R-out4
3	L2	25	L-out3
4	R2	26	R-out3
5	V _{CC1}	27	GND1
6	V_{CC2}	28	GND2
7	L3	29	L-out2
8	R3	30	R-out2
9	L4	31	ADR
10	R4	32	SCL
11	N.C.	33	SDA ZIIO
12	L5	34	L-out1
13	R5	35	R-out1
14	L6	36	R-out1 BIAS L9 R0
15	R6	37	L9, A C.
16	L7	38	
17	R7	39	LIGHT
18	L8	40	R10
19	R8	10 41 ₀ . 1	L11
20	Mute	42	R11
21	N.C.	43	L12
22	VD JISTU ARC	44	R12
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■ Absolute Maximum Ratings

No.	Parameter	Symbol	Rating	Unit	Note
1	C	V _{CC1}	14	V	_
2	Supply voltage	V _{CC2}	14		_
3	Supply current	I_{CC}		mA	
4	Power dissipation	P_{D}	448	mW	*1
5	Storage temperature	T_{stg}	-55 to +125	°C	*2
6	Operating ambient temperature	T_{opr}	-20 to +75	°C	*2
7	Operating ambient atmospheric pressure	P _{opr}	$1.013 \times 10^5 \pm 0.61 \times 10^5$	Pa	_
8	Operating constant gravity	G_{opr}	9 810	m/s ²	
9	Operating shock	S_{opr}	4 900	m/s ²	

Note) *1: The above power dissipation shows the package power dissipation for this IC mounted on PCB at $T_a = 75^{\circ}$ C, in free-air.

■ Operating Supply Voltage Range

					X · A		
	Parameter	X	Symbol	×	Range	Unit	Note
	Operating Supply Voltage Range		V _{CC1}		8.1 to 9.9	V	_
			V_{CC2}		81) to 9.9	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	_

^{*2:} Except for the storage temperature and operating ambient temperature, all ratings are for $T_a = 25^{\circ}$ C.

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