

DATA SHEET

Part No.	AN15861A
Package Code No.	QFP044-P-1010F

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AN15861A

AV Switch IC

■ Features

- 12-input 4-output channel audio switch IC

■ Application

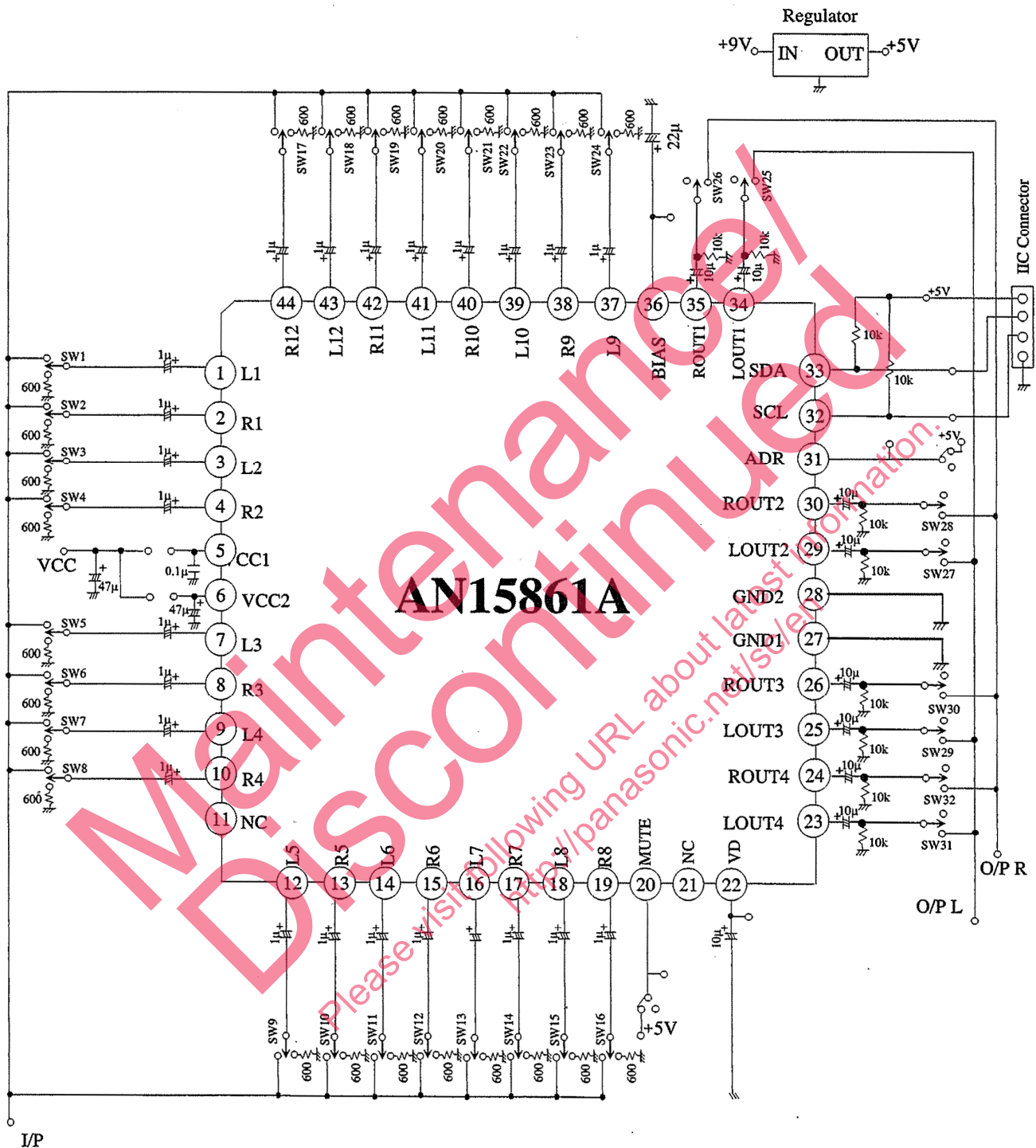
- Color TV

■ Package

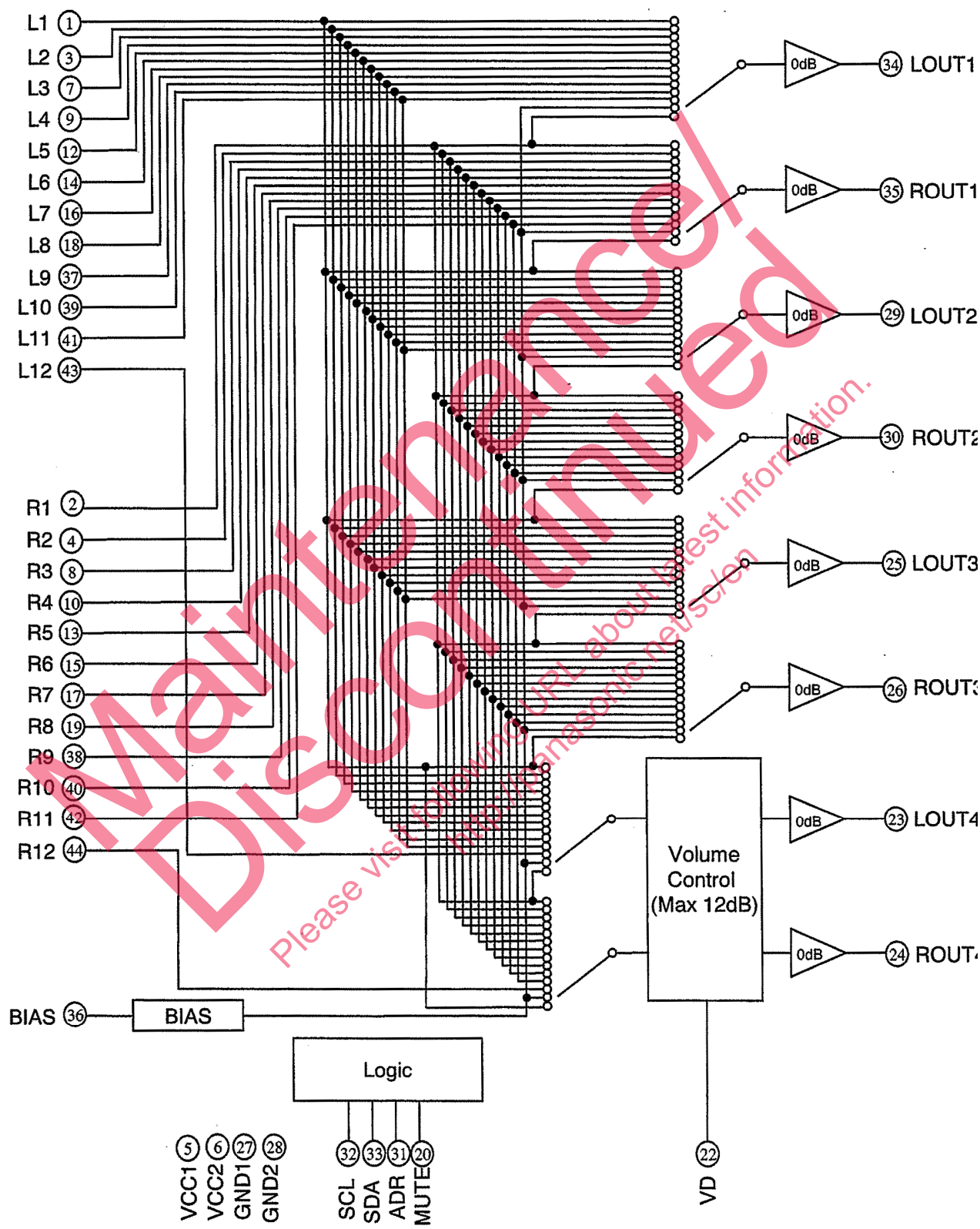
- Quad 44-pin plastic package (QFP type)

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■ Application Circuit Example



■ Block Diagram



■ 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
12	L5	34	L-out1
13	R5	35	R-out1
14	L6	36	BIAS
15	R6	37	L9
16	L7	38	R9
17	R7	39	L10
18	L8	40	R10
19	R8	41	L11
20	Mute	42	R11
21	N.C.	43	L12
22	VD	44	R12

Absolute Maximum Ratings

No.	Parameter	Symbol	Rating	Unit	Note
1	Supply voltage	V_{CC1}	14	V	—
2		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 $T_a = 75^\circ\text{C}$, in free-air.

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

Operating Supply Voltage Range

Parameter	Symbol	Range	Unit	Note
Operating Supply Voltage Range	V_{CC1}	8.1 to 9.9	V	—
	V_{CC2}	8.1 to 9.9		—

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