# DATA SHEET

Part No.	AN15866A
Package Code No.	QFH080-P-1420H

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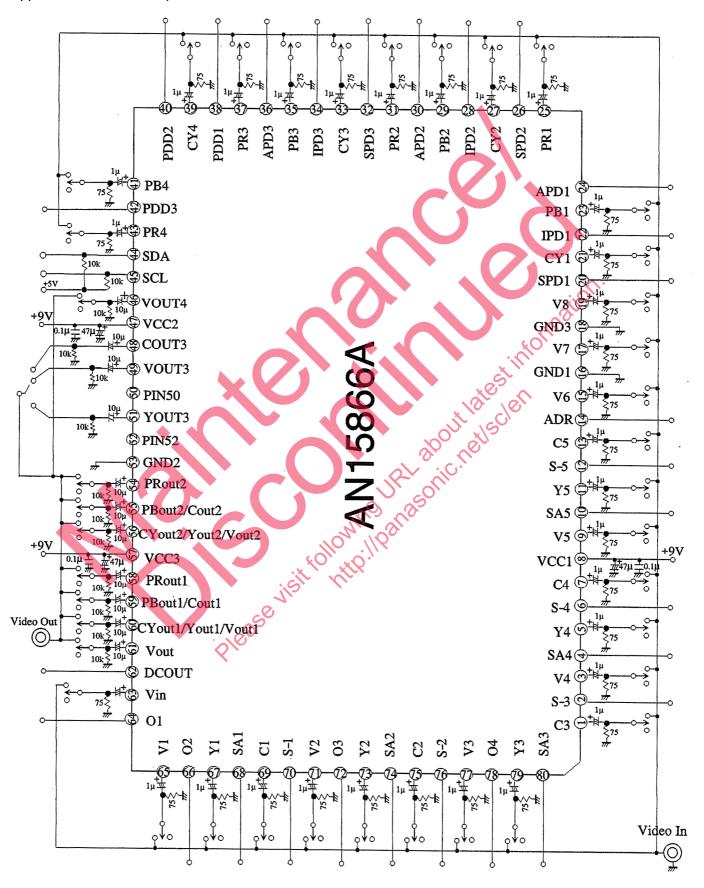
# AN15866A

# AV Switch IC

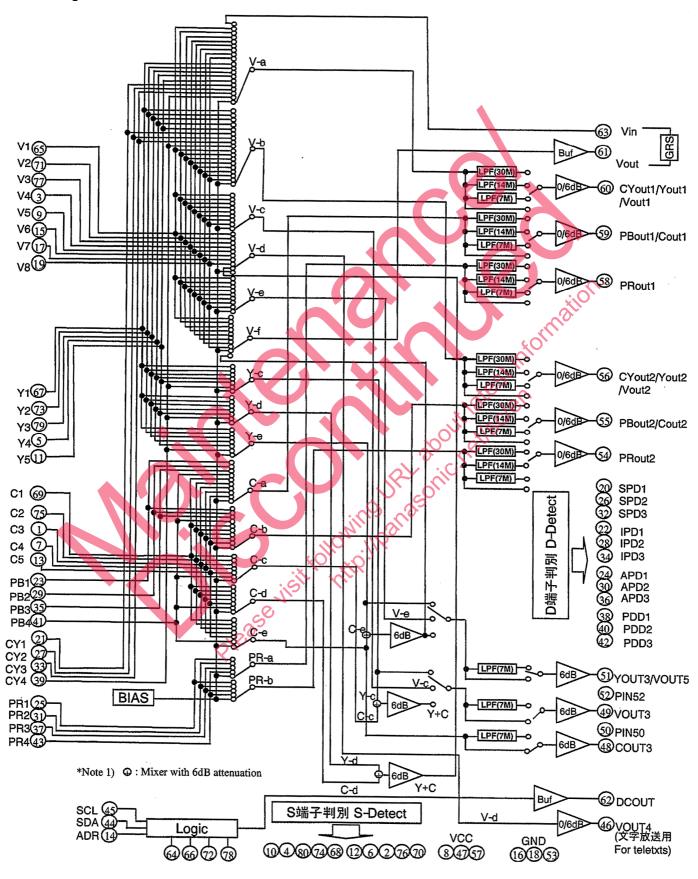
- Features
  - Video switch with I<sup>2</sup>C bus
- Application



#### ■ Application Circuit Example



#### ■ Block Diagram



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# ■ Pin Descriptions

Pin No.	Description	Pin No.	Description	Pin No.	Description
1	C3	28	IPD2	55	PB-out2 / C-out2
2	S3	29	PB2	56	CY-out2 / Y-out2 / V-out2
3	V4	30	APD2	57	V <sub>CC3</sub>
4	SA4	31	PR2	58	PR-out1
5	Y4	32	SPD3	59	PB-out1 / C-out1
6	S4	33	CY3	60	CY-out1 / Y-out1 / V-out1
7	C4	34	IPD3	61	V <sub>OUT</sub>
8	V <sub>CC1</sub>	35	PB3	62	DC-out
9	V5	36	APD3	63	V <sub>IN</sub>
10	SA5	37	PR3	64	01
11	Y5	38	PDD1	65	V1
12	S5	39	CY4	66	02
13	C5	40	PDD2	67:	Y1
14	ADR	41	PB4	× 68	SA1
15	V6	42	PDD3	0 690	C1
16	GND1	43	PR4	×1370	S1
17	V7	44	SDA	71	V2
18	GND3	45	SCL UP ON	72	O3
19	V8	46	V-out4	73	Y2
20	SPD1	47	V-out4	74	SA2
21	CYI	48	C-out3	75	C2
22	IPD1	49 118	V-out3	76	S2
23	PB1	C50	Pin 50	77	V3
24	APD1	Ø 51	Y-out3	78	O4
25	PR1	52	Pin 52	79	Y3
26	SPD2	53	GND2	80	SA3
27	CY2	54	PR-out2		

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## ■ Absolute Maximum Ratings

No.	Parameter	Symbol	Rating	Unit	Note
1	Supply voltage	V <sub>CC</sub>	12	V	_
2	Supply current	$I_{CC}$	_	mA	_
3	Power dissipation	$P_{\mathrm{D}}$	725	mW	*1
4	Storage temperature	$T_{stg}$	−55 to +125	°C	*2
5	Operating ambient temperature	$T_{ m opr}$	−20 to +75	°C	*2
6	Operating ambient atmospheric pressure	P <sub>opr</sub>	$1.013 \times 10^5 \pm 0.61 \times 10^5$	Pa	
7	Operating constant gravity	$G_{ m opr}$	9 810	m/s <sup>2</sup>	_
8	Operating shock	S <sub>opr</sub>	4 900	m/s <sup>2</sup>	_

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

## ■ Operating Supply Voltage Range

Operating Supply Voltage Range				
Parameter	Symbol	Range	Unit	Note
Operating Supply Voltage Range	V <sub>cc</sub>	8.5 to 9.5	V	_
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<sup>\*2:</sup> Except for the storage temperature and operating ambient temperature, all ratings are for  $T_a = 25^{\circ}$ C.

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