# DATA SHEET

Part No.	AN15852A
Package Code No.	QFH080-P-1420H

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# AN15852A

# Audio, video switch IC

#### ■ Applications

• ICs for TV

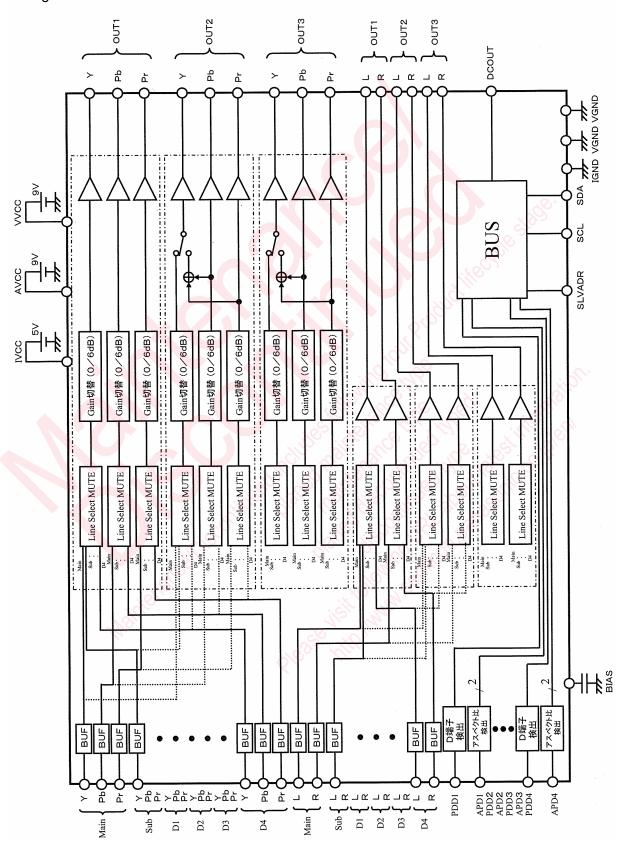
#### ■ Package

• Four direction 80-pin plastic package (QFH type)

#### ■ Type

• Silicon monolithic BICMOS IC

#### ■ Block Diagram



## ■ Pin Descriptions

Pin No.	Description	Pin No.	Description
1	IVCC	33	ALO2
2	SDA	34	AGND8
3	SCL	35	RO2
4	IGND	36	BO2
5	ID3Y	37	VGND8
6	VGND3	38	YO2
7	ID3B	39	BIAS
8	PDD3	40	ARO1
9	ID3R	41	ALO1
10	APD3	42	AGND7
11	L3	43	RO1
12	R3	44	BO1
13	AGND3	45	VGND7
14	ID4Y	46	Y01
15	VGND4	47	VVCC
16	ID4B	48	ID1Y
17	PDD4	49	VGND1
18	ID4R	50	ID1B
19	APD4	51	PDD1
20	L4	52	ID1R
21	R4	53	APD1
22	AGND4	54	LIS
23	ARO3	55	R1
24	ALO3	56	AGND1
25	AGND9	57	ID2Y
26	RO3	58	VGND2
27	BO3	59	ID2B
28	DCOUT	60	PDD2
29	VGND9	61	ID2R
30	YO3	62	APD2
31	AVCC	63	L2
32	ARO2	64	R2

#### ■ Pin Descriptions (continued)

Pin No.	Description	Pin No.	Description	
65	AGND2	73	SLVADR	
67	IMY	74	ISY	
68	IMB	75	ISB	
69	IMR	76	ISR	
70	VGND5	77	VGND6	
71	L5	78	L6	
72	R5	79	R6	
73	AGND5	80	AGND6	

## ■ Absolute Maximum Ratings

A No.	Parameter	Symbol	Rating		Unit	Note
1	Storage temperature	$T_{stg}$	-55 to +150		°C	*1
2	Operating ambient temperature	T <sub>opr</sub>	-20 to +75		°C	*1
3	Operating ambient atmospheric pressure	P <sub>opr</sub>	$1.013 \times 10^5 \pm 0.61 \times 10^5$		Pa	
4	Operating constant gravity	G <sub>opr</sub>	9 810		m/S <sup>2</sup>	
5	Operating shock	S <sub>opr</sub>	4 900		m/S <sup>2</sup>	
6		W inch	V <sub>CC1</sub> , V <sub>CC2</sub>	10.0	v	
6 Supply voltage	V <sub>CC</sub>	$V_{DD}$	6.0	V		
7 Supply current	lille die	I <sub>CC1</sub>	60.0			
	Supply current	I <sub>cc</sub>	I <sub>CC2</sub>	20.0	mA	
			I <sub>DD</sub>	12.0		
8	Power dissipation	$P_{\mathrm{D}}$	872		mW	*2

Note) \*1: Expect for the storage temperature and operating ambient temperature, all ratings are for Ta = 25°C.

## ■ Operating Supply Voltage Range

Parameter	ter Symbol Range		Unit	Note
Supply voltage range	V <sub>CC1</sub>	8.5 to 9.5		
	$V_{CC2}$	8.5 to 9.5	V	
	$V_{\mathrm{DD}}$	4.7 to 5.3		

<sup>\*2:</sup> The power dissipation shown is the value for Ta = 75°C. For the independent IC without a heat sink.

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