

IC INFORMATION

		AK7716VTA		
Function	Digital Signal Processor			1/2 E
Type	CMOS	Model	GM-8337ZZT/E	

● Pin Functions (AK7716VTA)

Pin No.	Pin Name	I/O	Function and Operation
1	TEST1	I	Test pin
2	INIT_RESET	I	Reset pin
3	CODEC_RESET	I	Reset pin
4	DSP_RESET	I	Reset pin
5	SMUTE	I	Soft mute pin
6	DVB		Power supply pin (5V)
7	SDINA	I	DSP serial data input pin
8	SDOUTA	O	ADC serial data output pin
9	SDOUTD1	O	DSP serial data output pin
10	SDIND1	I	DAC1 serial data input pin
11	SDIND2	I	DAC2 serial data input pin
12	SDOUTD2	O	DSP serial data output pin
13	SDOUT1	O	DSP serial data output pin
14	SDOUT2	O	DSP serial data output pin
15	SDIN1	I	DSP serial data input pin
16	SDIN2	I	DSP serial data input pin
17	LRCLK	I/O	L / R channel select pin
18	BITCLK	I/O	Serial bit clock pin
19	CLKO	O	Clock output pin
20	CTRL	I	Clock output control pin
21	DVDD		Digital : Power supply pin (5V)
22	DVSS		Digital : GND pin (0V)
23	OPCL	I	ADC, DAC connection select pin
24	XTI	I	Master clock input pin
25	XTO	O	Crystal oscillator output pin
26	SMODE	I	Slave / Master mode select pin
27	EESEL	I	EEPROM select pin
28	JX	I	Outside condition pin
29	$\overline{RQ}$	I	Request pin for microcomputer interface
30	SCLK	I	Serial data clock pin for microcomputer interface
31	SI	I	Serial data input / Serial data output control pin for microcomputer interface
32	SO	O	Serial data output pin for microcomputer interface
33	RDY	O	Data write in ready output pin for microcomputer interface
34	DRDY	O	Output data ready for microcomputer interface
35	EEST	O	EEPROM write in status pin
36	DVSS		Digital : GND pin (0V)
37	DVDD		Digital : Power supply pin (5V)
38	$\overline{CAS}$	O	Option DRAM : $\overline{CAS}$ pin
39	$\overline{RAS}$	O	Option DRAM : $\overline{RAS}$ pin
40	$\overline{WE}$	O	Outside SRAM / DRAM : Write enable pin
41-48	A0-7	O	Outside RAM : Address output pin
49	DVSS		Digital : GND pin (0V)
50	DVDD		Digital : Power supply pin (5V)
51-59	A8-16	O	Outside RAM : Address output pin
60	$\overline{OE}$	O	Outside RAM : Output enable pin
61-68	IO0-7	I/O	Outside RAM : Data input / output pin
69	DVSS		Digital : GND pin (0V)
70	DVDD		Digital : Power supply pin (5V)
71	DVB		Power supply pin (5V)
72	EEDO	I	EEPROM serial data input pin
73	EEDI	O	EEPROM serial data output pin
74	EESK	O	EEPROM serial clock output pin
75	AVSS		GND for microcomputer AD
76	AOUTR2-	O	DAC2 Rch analogue inverting output pin
77	AOUTR2+	O	DAC2 Rch analogue non-inverting output pin
78	NC		Not used
79	AOUTL2-	O	DAC2 Lch analogue inverting output pin
80	AOUTL2+	O	DAC2 Lch analogue non-inverting output pin

IC INFORMATION

Function	Digital Signal Processor	AK7716VTA		2/2	E
Type	CMOS	Model	GM-8337ZZT/E		

Pin No.	Pin Name	I/O	Function and Operation
81	NC		Not used
82	AOUTR1-	O	DAC1 Rch analogue inverting output pin
83	AOUTR1+	O	DAC1 Rch analogue non-inverting output pin
84	NC		Not used
85	AOUTL1-	O	DAC1 Lch analogue inverting output pin
86	AOUTL1+	O	DAC1 Lch analogue non-inverting output pin
87	NC		Not used
88	VRDAL	I	DAC standard voltage input pin
89	AVSS		Analogue : GND pin (0V)
90	AVDD		Analogue : Power supply pin (5V)
91	VRDAH	I	DAC standard voltage input pin
92	VCOM	O	Analogue common voltage pin
93	VRADL	I	ADC standard voltage input pin
94	AVSS		Analogue : GND pin (0V)
95	AVDD		Analogue : Power supply pin (5V)
96	VRADH	I	ADC standard voltage input pin
97	AINR-	I	ADC Rch analogue inverting input pin
98	AINR+	I	ADC Rch analogue non-inverting input pin
99	AINL-	I	ADC Lch analogue inverting input pin
100	AINL+	I	ADC Lch analogue non-inverting input pin

* AK7716VTA

