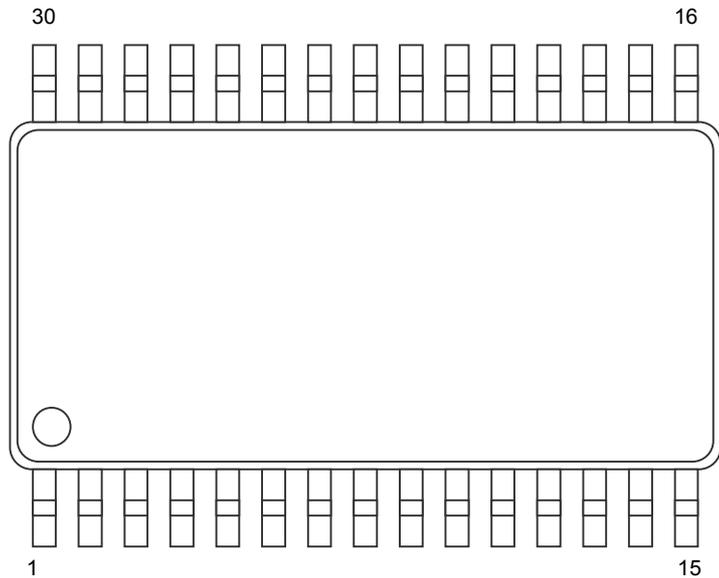


■ PIN FUNCTION



No.	SYMBOL	FUNCTION	No.	SYMBOL	FUNCTION
1	INa	A ch Input	16	V+	Power Supply
2	ealaFil	eala Filter Capacitor	17	VREF	Reference Voltage stabilizing Capacitor
3	BBE1a	Ach BBE High-Pass Filter Capacitor	18	CTL	Tone Control Bass switching noise rejection Capacitor
4	BBE2a	Ach BBE Low-Pass Filter Capacitor	19	CTH	Tone Control Treble switching noise rejection Capacitor
5	TONE-Ha	Ach TONE Treble Filter Capacitor	20	CBL	BBE Low switching noise rejection Capacitor
6	TONE-La	Ach TONE Bass Filter Capacitor	21	CBH	BBE High switching noise rejection Capacitor
7	OUTa	Ach Output	22	LFOUTb	Buffer Output for Bch Low Pass Filter
8	LFINa	Buffer Input for Ach Low Pass Filter	23	LFINb	Buffer Input for Bch Low Pass Filter
9	LFOUTa	Buffer Output for Ach Low Pass Filter	24	OUTb	Bch Output
10	AGC	AGC Smoothing Filter Capacitor	25	TONE-Lb	Bch TONE Bass Filter Capacitor
11	CVA	Ach Volume switching noise rejection Capacitor	26	TONE-Hb	Bch TONE Treble Filter Capacitor
12	CVB	Bch Volume switching noise rejection Capacitor	27	BBE2b	Bch BBE Low-Pass Filter Capacitor
13	SDA	I ² C Data Input	28	BBE1b	Bch BBE High-Pass Filter Capacitor
14	SCL	I ² C Clock Input	29	CSR	eala switching noise rejection Capacitor
15	GND	Ground	30	INb	B ch Input

■ ABSOLUTE MAXIMUM RATING (Ta=25°C)

PARAMETER	SYMBOL	RATING	UNIT
Supply Voltage	V ⁺	12	V
Power Dissipation	P _D	700	mW
Operating Temperature Range	Topr	-20 to +75	°C
Storage Temperature Range	Tstg	-40 to +125	°C

**■ ELECTRICAL CHARACTERISTICS (Ta=25°C, V⁺=9V, R_L=47kΩ, Vin=100mVrms/1kHz
MODE ; VOL=0dB, BAL=0dB, AGC=OFF, BBE=OFF, Tone=0dB, eala=By-Pass)**

PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Operating Voltage	V ⁺		8.0	9.0	10.0	V
Supply Current	I _{CC}	No Signal	-	25	35	mA
Reference Voltage	V _{REF}	No Signal	4.0	4.5	5.0	V
Maximum Input Voltage	V _{IM}	VOL=-20dB, THD=10%	2.8	3.0	-	Vrms
Maximum Output Voltage	V _{OM}	OUTPUT VOL=0dB, THD=1%	-	2.5	-	Vrms
Channel Balance	G _{CB}	VOL=0dB	-1.5	0.0	1.5	dB
Balance Boost A	G _{BBA}	CHS="0", BAL=Mute	-2.0	0.0	2.0	dB
Balance Cut A	G _{BCA}	CHS="1", BAL=Mute Vin = 1Vrms	-	-	-70	dB
Balance Boost B	G _{BBB}	CHS="1", BAL=Mute	-2.0	0.0	2.0	dB
Balance Cut B	G _{BCB}	CHS="0", BAL=Mute Vin = 1Vrms	-	-	-70	dB
Total Harmonic Distortion	THD	Vo=0.5Vrms BW=400Hz to 30kHz	-	-	0.5	%
Maximum Voltage Gain	G _{VMAX}	VOL= 0dB	-2.0	0.0	2.0	dB
Minimum Voltage Gain	G _{VMIN}	VOL= Mute	-	-	-70	dB
Channel Separation	CS	Vin = 1Vrms	-	-	-70	dB
Output Noise 1	V _{NO1}	VOL = 0dB BW=400Hz to 30kHz	-	-90 (31.6)	-85 (56.2)	dBV (μVrms)
Output Noise 2	V _{NO2}	VOL = Mute BW = 400Hz to 30kHz	-	-106 (5.0)	-96 (15.8)	dBV (μVrms)

BW : Band Width

**◆ TONE CONTROL CHARACTERISTICS (Ta=25°C, V⁺=9V, R_L=47kΩ, Vin=100mVrms/1kHz
MODE ; VOL=0dB, BAL=0dB, AGC=OFF, BBE=OFF, eala=By-Pass)**

PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Treble Boost Gain	G _{HFBST}	TREB=+15dB, f=10kHz	12.5	15.0	17.5	dB
Treble Boost Flat	G _{HFFLT}	TREB=0dB, f=10kHz	-2.0	0.0	2.0	dB
Treble Boost Cut	G _{HFCUT}	TRBE=-15dB, f=10kHz	-17.5	-15.0	-12.5	dB
Bass Boost Gain	G _{LFBST}	BASS=+15dB, f=100Hz	12.5	15.0	17.5	dB
Bass Boost Flat	G _{LFFLT}	BASS=0dB, f=100Hz	-2.0	0.0	2.0	dB
Bass Boost Cut	G _{LF CUT}	BASS=-15dB, f=100Hz	-17.5	-15.0	-12.5	dB

◆AGC CHARACTERISTICS (Ta=25°C, V⁺=9V, R_L=47kΩ
MODE ; VOL=0dB, BAL=0dB, AGC=ON, BBE=OFF, Tone=0dB, eala=By-Pass)

PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
AGC Boost	G _{AGCBST}	Vin=50mVrms, f=1kHz	1.5	3.5	5.5	dB
AGC Flat 1	G _{AGCFLT1}	Vin=300mVrms, f=1kHz	-2.5	0.0	2.5	dB
AGC Flat 2	G _{AGCFLT2}	Vin=400mVrms, f=1kHz	-2.5	0.0	2.5	dB
AGC Flat 3	G _{AGCFLT3}	Vin=500mVrms, f=1kHz	-2.5	0.0	2.5	dB
AGC Flat 4	G _{AGCFLT4}	Vin=600mVrms, f=1kHz	-2.5	0.0	2.5	dB
AGC Cut	G _{AGCCUT}	Vin=2Vrms, f=1kHz	-14	-10	-6.0	dB

◆BBE CHARACTERISTICS (Ta=25°C, V⁺=9V, R_L=47kΩ, Vin=100mVrms/1kHz
MODE ; VOL=0dB, BAL=0dB, AGC=OFF, Tone=0dB, eala=By-Pass)

PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Low Boost Gain	G _{BBELOW}	BBE-LOW =+15dB, f=50Hz	12.5	15	17.5	dB
High Boost Gain	G _{BBEHIGH}	BBE-HIGH =+15dB, f=10kHz	12.5	15	17.5	dB

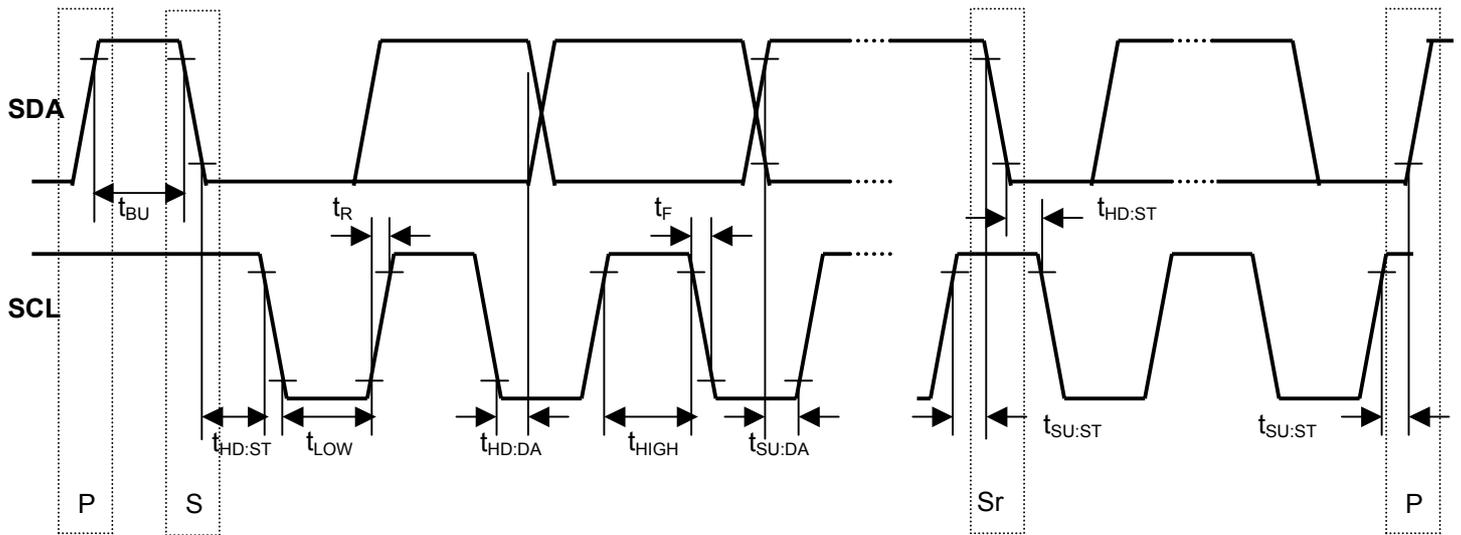
◆eala CHARACTERISTICS (Ta=25°C, V⁺=9V, R_L=47kΩ, Vin=100mVrms/1kHz
MODE ; VOL=0dB, BAL=0dB, AGC=OFF, BBE=0dB, Tone=0dB)

PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Simulated Stereo A	G _{SIMA}	LIN+RIN→OUTa, f=1KHz, SIM	1.0	3.0	5.0	dB
Simulated Stereo B	G _{SIMB}	LIN+RIN→OUTb, f=1KHz, SIM	1.0	3.0	5.0	dB
Surround 3D1	G _{3D1}	LIN→OUTa, f=100Hz, SR2	5.5	7.5	9.5	dB
Surround 3D2	G _{3D2}	LIN→OUTa, f=10KHz, SR2	-2.0	0.0	2.0	dB
Surround 3D3	G _{3D3}	LIN→OUTb, f=100Hz, SR2	0.5	2.5	4.5	dB
Surround 3D4	G _{3D4}	LIN→OUTa, f=100Hz, SR1	3.5	5.5	7.5	dB

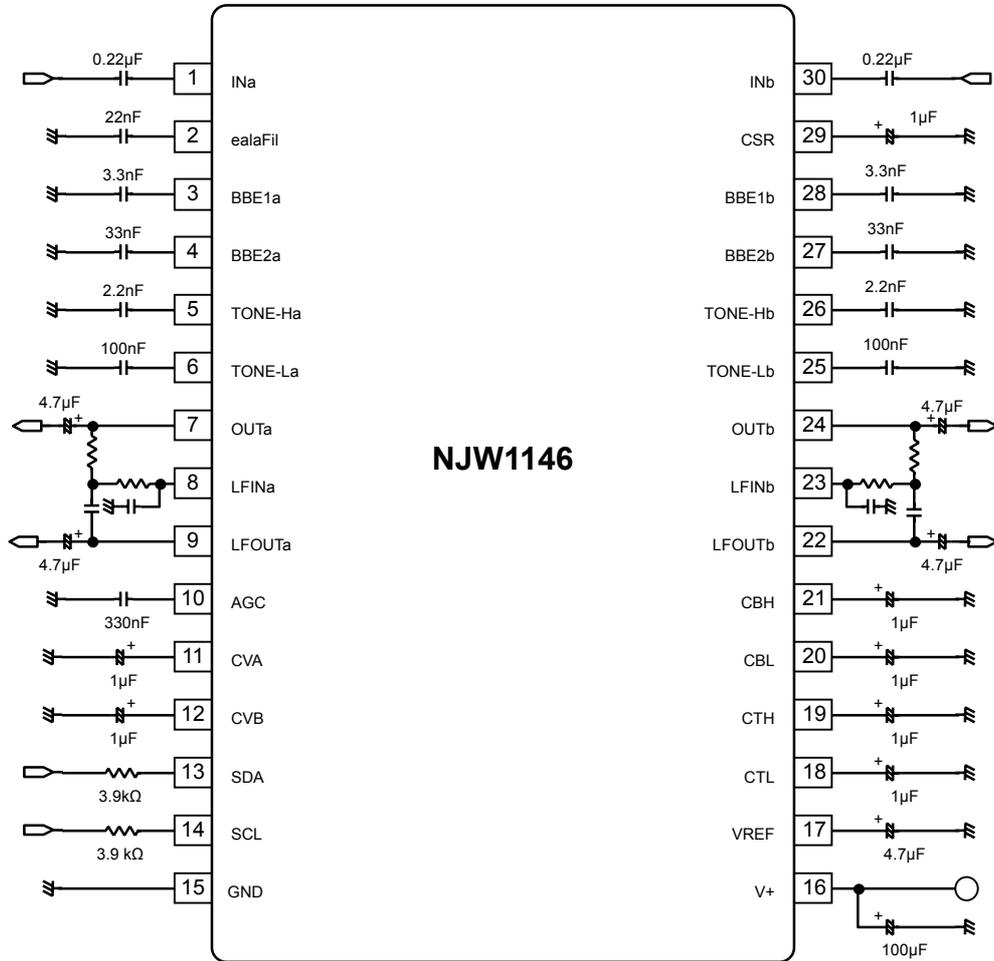
■ I²C BUS CHARACTERISTICS (SDA, SCL)

I²C BUS Load Conditions: Pull up resistance 4kΩ(Connected to +5V), Load capacitance 200pF (Connected to GND)

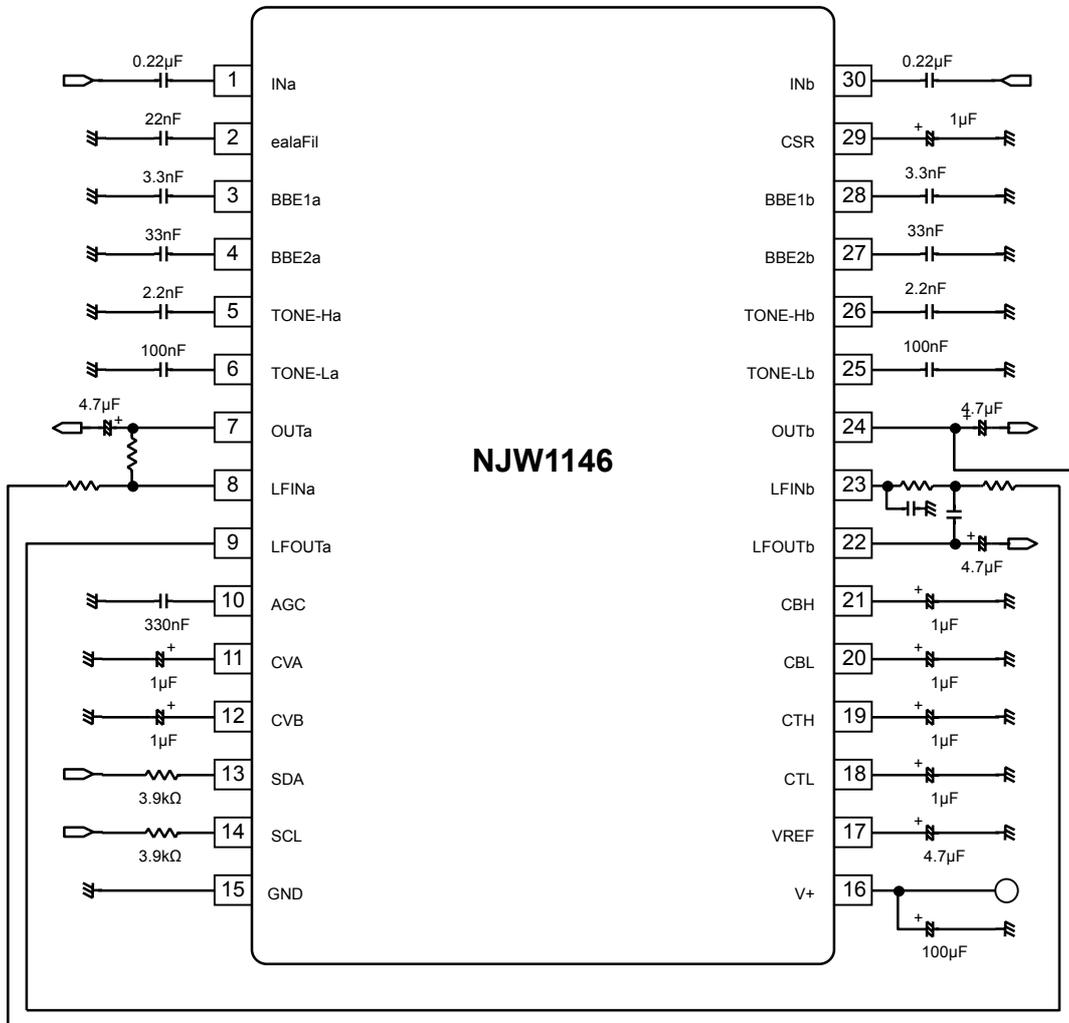
PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT
High Level Input Voltage	V _{IH}	3.0	-	5.0	V
Low Level Input Voltage	V _{IL}	0	-	1.5	V
High Level Input Current	I _{IH}	-	-	10	μA
Low Level Input Current	I _{IL}	-	-	10	μA
Low Level Output Voltage (3mA at SDA pin)	V _{OL}	0	-	0.4	V
Maximum Output Current	I _{OL}	-3.0	-	-	mA
Maximum Clock Frequency	f _{SCL}	0	-	100	kHz
Data Change Minimum Waiting Time	t _{BUF}	4.7	-	-	μs
Data Transfer Start Minimum Waiting Time	t _{HD:STA}	4.0	-	-	μs
Low Level Clock Pulse Width	t _{LOW}	4.7	-	-	μs
High Level Clock Pulse Width	T _{HIGH}	4.0	-	-	μs
Minimum Start Preparation Waiting Time	t _{SU:STA}	4.7	-	-	μs
Minimum Data Hold Time	t _{HD:DAT}	5.0	-	-	μs
Minimum Data Preparation Time	t _{SU:DAT}	250	-	-	ns
Rise Time	t _R	-	-	1.0	μs
Fall Time	t _F	-	-	300	ns
Minimum Stop Preparation Waiting Time	t _{SU:STO}	4.7	-	-	μs



■ APPLICATION CIRCUIT 1 (Bi-Amp outputs)



■ APPLICATION CIRCUIT 2 (Sub-Woofer output)



< Output Type >

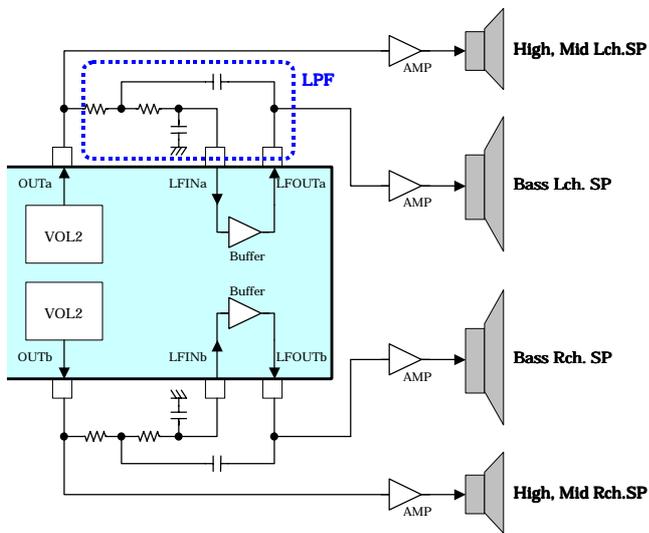


Fig 1. Bi-Amp

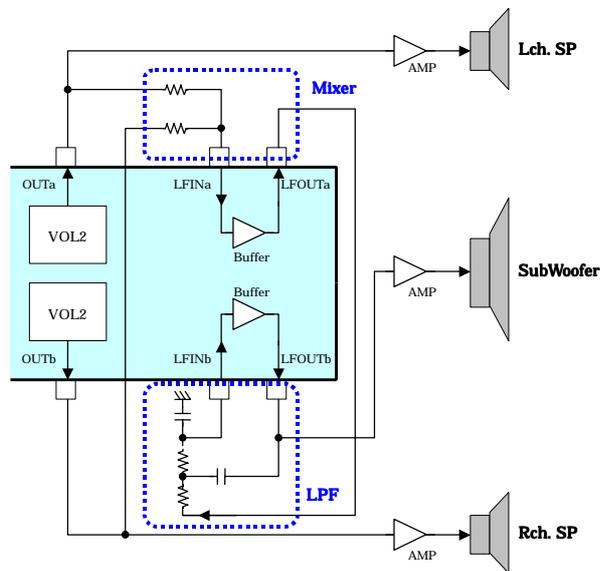
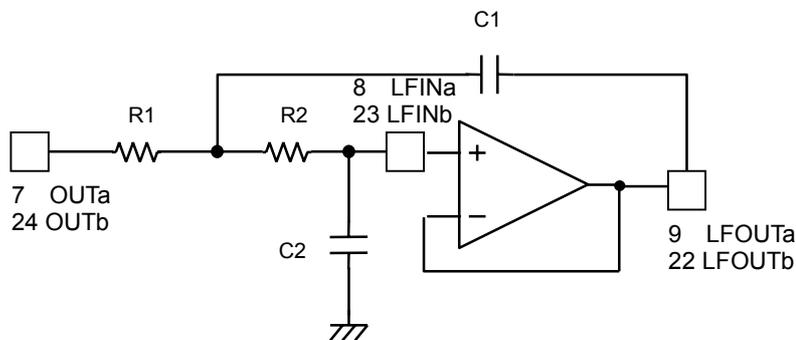


Fig 2. Sub-Woofers

< OUT, LFIN, LFOUT Low Pass Filter Setting >

LPF cut off frequency and quality factor are adjusted by the external parts and given by the following functions.



$$f_c = \frac{1}{2\pi\sqrt{R1 \cdot R2 \cdot C1 \cdot C2}} \text{ (Hz)}$$

$$Q = \frac{1}{\sqrt{\frac{C2 \cdot R1}{C1 \cdot R2}} + \sqrt{\frac{C1 \cdot R2}{C2 \cdot R1}}}$$

■ TERMINAL DESCRIPTION

PIN NO.	SYMBOL	FUNCTION	EQUIVALENT CIRCUIT	TERMINAL VOLTAGE
1 2 8 23 30	INa ealaFil LFINa LFINb INb	A ch Input eala Filter Capacitor Buffer Input for Ach Low Pass Filter Buffer Input for Bch Low Pass Filter B ch Input		V+/2
3 4 27 28	BBE1a BBE2a BBE2b BBE1b	Ach BBE High-Pass Filter Capacitor Ach BBE Low-Pass Filter Capacitor Bch BBE Low-Pass Filter Capacitor Bch BBE High-Pass Filter Capacitor		V+/2
5 26	TONE-Ha TONE-Hb	Ach TONE Treble Filter Capacitor Bch TONE Treble Filter Capacitor		V+/2
6 25	TONE-La TONE-Lb	Ach TONE Bass Filter Capacitor Bch TONE Bass Filter Capacitor		V+/2

■ TERMINAL DESCRIPTION

PIN NO.	SYMBOL	FUNCTION	EQUIVALENT CIRCUIT	TERMINAL VOLTAGE
7 9 22 24	OUTa LFOUTa LFOUTb OUTb	Ach Output Buffer Output for Ach Low Pass Filter Buffer Output for Bch Low Pass Filter Bch Output		V+/2
10	AGC	AGC Smoothing Filter Capacitor		-
11 12	CVA CVB	Ach Volume switching noise rejection Capacitor Bch Volume switching noise rejection Capacitor		VREF-0.7V
13 14	SDA SCL	I ² C Data Input I ² C Clock Input		-

■ TERMINAL DESCRIPTION

PIN NO.	SYMBOL	FUNCTION	EQUIVALENT CIRCUIT	TERMINAL VOLTAGE
15	GND	Ground	-	-
16	V+	Power Supply	-	V+
17	VREF	Reference Voltage Capacitor		V+/2
18	CTL	Tone Control Bass switching noise rejection Capacitor		VREF-0.7V
19	CTH	Tone Control Treble switching noise rejection Capacitor		

■ TERMINAL DESCRIPTION

PIN NO.	SYMBOL	FUNCTION	EQUIVALENT CIRCUIT	TERMINAL VOLTAGE
20 21	CBL CBH	BBE Low switching noise rejection Capacitor BBE High switching noise rejection Capacitor		VREF-0.7V
29	CSR	eala switching noise rejection Capacitor		0.54V(CSR) 1.4V(CTS2)

● CONTROL COMMAND TABLE

a) Master Volume

Select Address	BIT							
	D7	D6	D5	D4	D3	D2	D1	D0
00H	VOL							

●VOL : Master Volume

Attenuation level : 0 to -80dB(0.33dB/step), MUTE

The volume is consisted of VOL1 and VOL2 and the level is divided into half to each VOL1 and VOL2.

ex) Volume setting is -2dB ; VOL1 and VOL2 is set -1dB each.

b) Balance

Select Address	BIT							
	D7	D6	D5	D4	D3	D2	D1	D0
01H	CHS	BAL					Don't Care	

●CHS : Balance channel select

“0” : Ach “Bch is attenuated”

“1” : Bch “Ach is attenuated”

●BAL : Ach and Bch Balance

Balance Level : 0 to -30dB (1dB/Step) , MUTE

c) Tone Control BASS

Select Address	BIT							
	D7	D6	D5	D4	D3	D2	D1	D0
03H	BCB	BASS					Don't Care	

●BCB : Bass Boost or Cut

“0” : Cut

“1” : Boost

●BASS : BASS Level

Cut Level : -15 to 0dB(0.5dB/Step)

Boost Level : 0 to +15dB(0.5dB/Step)

e) Tone Control TREBLE

Select Address	BIT							
	D7	D6	D5	D4	D3	D2	D1	D0
04H	BCT	TREB					Don't Care	

●BCT : Treble Boost or Cut

“0” : Cut

“1” : Boost

●TREB : Treble Level

Cut Level : -15 to 0dB(0.5dB/Step)

Boost Level : 0 to +15dB(0.5dB/Step)

f) BBE-Low

Select Address	BIT							
	D7	D6	D5	D4	D3	D2	D1	D0
05H	BBEL					BBE	Don't Care	

● BBEL:BBE-LOW Level

0dB to 15dB (0.5dB/step)

All bit “0”(00H)= BBE OFF

●BBE : BBE ON or OFF

g) BBE-High

Select Address	BIT							
	D7	D6	D5	D4	D3	D2	D1	D0
05H	BBEH					AGC	AGC LVL	

- BBEH: BBE-HIGH Level**
 0dB to 15dB (0.5dB/step)
 All bit "0"(00H)= BBE OFF
- AGC : AGC ON or OFF**
- AGC LVL : AGC Level**
 300mVrms, 400mVrms, 500mVrms, 600mVrms

h) Surround (eala)

Select Address	BIT							
	D7	D6	D5	D4	D3	D2	D1	D0
06H	eala		Don't Care					

- eala : eala mode**
 Surround effect small (SR1), large (SR2), Simulated Stereo (SIM), By-Pass

■ Master Volume (Select Address: 00H)

		VOL							
Gain(dB)	HEX	D7	D6	D5	D4	D3	D2	D1	D0
0	FF	1	1	1	1	1	1	1	1
-1	FC	1	1	1	1	1	1	0	0
-2	F9	1	1	1	1	1	0	0	1
-3	F6	1	1	1	1	0	1	1	0
-4	F3	1	1	1	1	0	0	1	1
-5	F0	1	1	1	1	0	0	0	0
-6	ED	1	1	1	0	1	1	0	1
-7	EA	1	1	1	0	1	0	1	0
-8	E7	1	1	1	0	0	1	1	1
-9	E4	1	1	1	0	0	1	0	0
-10	E1	1	1	1	0	0	0	0	1
-11	DE	1	1	0	1	1	1	1	0
-12	DB	1	1	0	1	1	0	1	1
-13	D8	1	1	0	1	1	0	0	0
-14	D5	1	1	0	1	0	1	0	1
-15	D2	1	1	0	1	0	0	1	0
-16	CF	1	1	0	0	1	1	1	1
-17	CC	1	1	0	0	1	1	0	0
-18	C9	1	1	0	0	1	0	0	1
-19	C6	1	1	0	0	0	1	1	0
-20	C3	1	1	0	0	0	0	1	1
-21	C0	1	1	0	0	0	0	0	0
-22	BD	1	0	1	1	1	1	0	1
-23	BA	1	0	1	1	1	0	1	0
-24	B7	1	0	1	1	0	1	1	1
-25	B4	1	0	1	1	0	1	0	0
-26	B1	1	0	1	1	0	0	0	1
-27	AE	1	0	1	0	1	1	1	0
-28	AB	1	0	1	0	1	0	1	1
-29	A8	1	0	1	0	1	0	0	0
-30	A5	1	0	1	0	0	1	0	1
-31	A2	1	0	1	0	0	0	1	0
-32	9F	1	0	0	1	1	1	1	1
-33	9C	1	0	0	1	1	1	0	0
-34	99	1	0	0	1	1	0	0	1
-35	96	1	0	0	1	0	1	1	0
-36	93	1	0	0	1	0	0	1	1
-37	90	1	0	0	1	0	0	0	0
-38	8D	1	0	0	0	1	1	0	1
-39	8A	1	0	0	0	1	0	1	0
-40	87	1	0	0	0	0	1	1	1
-41	84	1	0	0	0	0	1	0	0
-42	81	1	0	0	0	0	0	0	1

		VOL							
Gain(dB)	HEX	D7	D6	D5	D4	D3	D2	D1	D0
-43	7E	0	1	1	1	1	1	1	0
-44	7B	0	1	1	1	1	0	1	1
-45	78	0	1	1	1	1	0	0	0
-46	75	0	1	1	1	0	1	0	1
-47	72	0	1	1	1	0	0	1	0
-48	6F	0	1	1	0	1	1	1	1
-49	6C	0	1	1	0	1	1	0	0
-50	69	0	1	1	0	1	0	0	1
-51	66	0	1	1	0	0	1	1	0
-52	63	0	1	1	0	0	0	1	1
-53	60	0	1	1	0	0	0	0	0
-54	5D	0	1	0	1	1	1	0	1
-55	5A	0	1	0	1	1	0	1	0
-56	57	0	1	0	1	0	1	1	1
-57	54	0	1	0	1	0	1	0	0
-58	51	0	1	0	1	0	0	0	1
-59	4E	0	1	0	0	1	1	1	0
-60	4B	0	1	0	0	1	0	1	1
-61	48	0	1	0	0	1	0	0	0
-62	45	0	1	0	0	0	1	0	1
-63	42	0	1	0	0	0	0	1	0
-64	3F	0	0	1	1	1	1	1	1
-65	3C	0	0	1	1	1	1	0	0
-66	39	0	0	1	1	1	0	0	1
-67	36	0	0	1	1	0	1	1	0
-68	33	0	0	1	1	0	0	1	1
-69	30	0	0	1	1	0	0	0	0
-70	2D	0	0	1	0	1	1	0	1
-71	2A	0	0	1	0	1	0	1	0
-72	27	0	0	1	0	0	1	1	1
-73	24	0	0	1	0	0	1	0	0
-74	21	0	0	1	0	0	0	0	1
-75	1E	0	0	0	1	1	1	1	0
-76	1B	0	0	0	1	1	0	1	1
-77	18	0	0	0	1	1	0	0	0
-78	15	0	0	0	1	0	1	0	1
-79	12	0	0	0	1	0	0	1	0
-80	0F	0	0	0	0	1	1	1	1
Mute	00	0	0	0	0	0	0	0	0

■ Balance (Select Address: 01H)

Channel Setting (CHS)	D7
Attenuated Bch Gain	0
Attenuated Ach Gain	1

Gain(dB)	BAL				
	D6	D5	D4	D3	D2
0	0	0	0	0	0
-1	0	0	0	0	1
-2	0	0	0	1	0
-3	0	0	0	1	1
-4	0	0	1	0	0
-5	0	0	1	0	1
-6	0	0	1	1	0
-7	0	0	1	1	1
-8	0	1	0	0	0
-9	0	1	0	0	1
-10	0	1	0	1	0
-11	0	1	0	1	1
-12	0	1	1	0	0
-13	0	1	1	0	1
-14	0	1	1	1	0
-15	0	1	1	1	1
-16	1	0	0	0	0
-17	1	0	0	0	1
-18	1	0	0	1	0
-19	1	0	0	1	1
-20	1	0	1	0	0
-21	1	0	1	0	1
-22	1	0	1	1	0
-23	1	0	1	1	1
-24	1	1	0	0	0
-25	1	1	0	0	1
-26	1	1	0	1	0
-27	1	1	0	1	1
-28	1	1	1	0	0
-29	1	1	1	0	1
-30	1	1	1	1	0
MUTE	1	1	1	1	1

■ **Tone Control Bass (Select Address: 02H)**

Bass	BCB
Cut or Boost	D7
Cut	0
Boost	1

		BASS				
		D6	D5	D4	D3	D2
Cut Gain(dB)	Boost Gain(dB)					
-15	15	1	1	1	1	0
-14	14	1	1	1	0	0
-13	13	1	1	0	1	0
-12	12	1	1	0	0	0
-11	11	1	0	1	1	0
-10	10	1	0	1	0	0
-9	9	1	0	0	1	0
-8	8	1	0	0	0	0
-7	7	0	1	1	1	0
-6	6	0	1	1	0	0
-5	5	0	1	0	1	0
-4	4	0	1	0	0	0
-3	3	0	0	1	1	0
-2	2	0	0	1	0	0
-1	1	0	0	0	1	0
0	0	0	0	0	0	0

■ **Tone Control Treble (Select Address: 03H)**

Treble	BCT
Cut or Boost	D7
Cut	0
Boost	1

		TREB				
		D6	D5	D4	D3	D2
Cut Gain(dB)	Boost Gain(dB)					
-15	15	1	1	1	1	0
-14	14	1	1	1	0	0
-13	13	1	1	0	1	0
-12	12	1	1	0	0	0
-11	11	1	0	1	1	0
-10	10	1	0	1	0	0
-9	9	1	0	0	1	0
-8	8	1	0	0	0	0
-7	7	0	1	1	1	0
-6	6	0	1	1	0	0
-5	5	0	1	0	1	0
-4	4	0	1	0	0	0
-3	3	0	0	1	1	0
-2	2	0	0	1	0	0
-1	1	0	0	0	1	0
0	0	0	0	0	0	0

■ BBE-LOW Gain Code (Select Address: 04H)

Gain(dB)	BBEL				
	D7	D6	D5	D4	D3
15	1	1	1	1	0
14	1	1	1	0	0
13	1	1	0	1	0
12	1	1	0	0	0
11	1	0	1	1	0
10	1	0	1	0	0
9	1	0	0	1	0
8	1	0	0	0	0
7	0	1	1	1	0
6	0	1	1	0	0
5	0	1	0	1	0
4	0	1	0	0	0
3	0	0	1	1	0
2	0	0	1	0	0
1	0	0	0	1	0
0	0	0	0	0	0

■ BBE (Select Address: 04H)

BBE ON/OFF	BBE
	D2
OFF	0
ON	1

■ BBE-HIGH Gain Code (Select Address: 05H)

Gain(dB)	BBEH				
	D7	D6	D5	D4	D3
15	1	1	1	1	0
14	1	1	1	0	0
13	1	1	0	1	0
12	1	1	0	0	0
11	1	0	1	1	0
10	1	0	1	0	0
9	1	0	0	1	0
8	1	0	0	0	0
7	0	1	1	1	0
6	0	1	1	0	0
5	0	1	0	1	0
4	0	1	0	0	0
3	0	0	1	1	0
2	0	0	1	0	0
1	0	0	0	1	0
0	0	0	0	0	0

■ AGC (Select Address: 05H)

AGC ON/OFF	AGC
	D2
OFF	0
ON	1

■ AGC Level (Select Address: 05H)

AGC Level	AGC LVL	
	D1	D0
300mVrms	0	0
400mVrms	0	1
500mVrms	1	0
600mVrms	1	1

■ eala mode (Select Address: 06H)

eala MODE	eala	
	D7	D6
By-Pass	0	0
Simulated Stereo	0	1
3D Effect Large	1	0
3D Effect Small	1	1

■NOTE

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