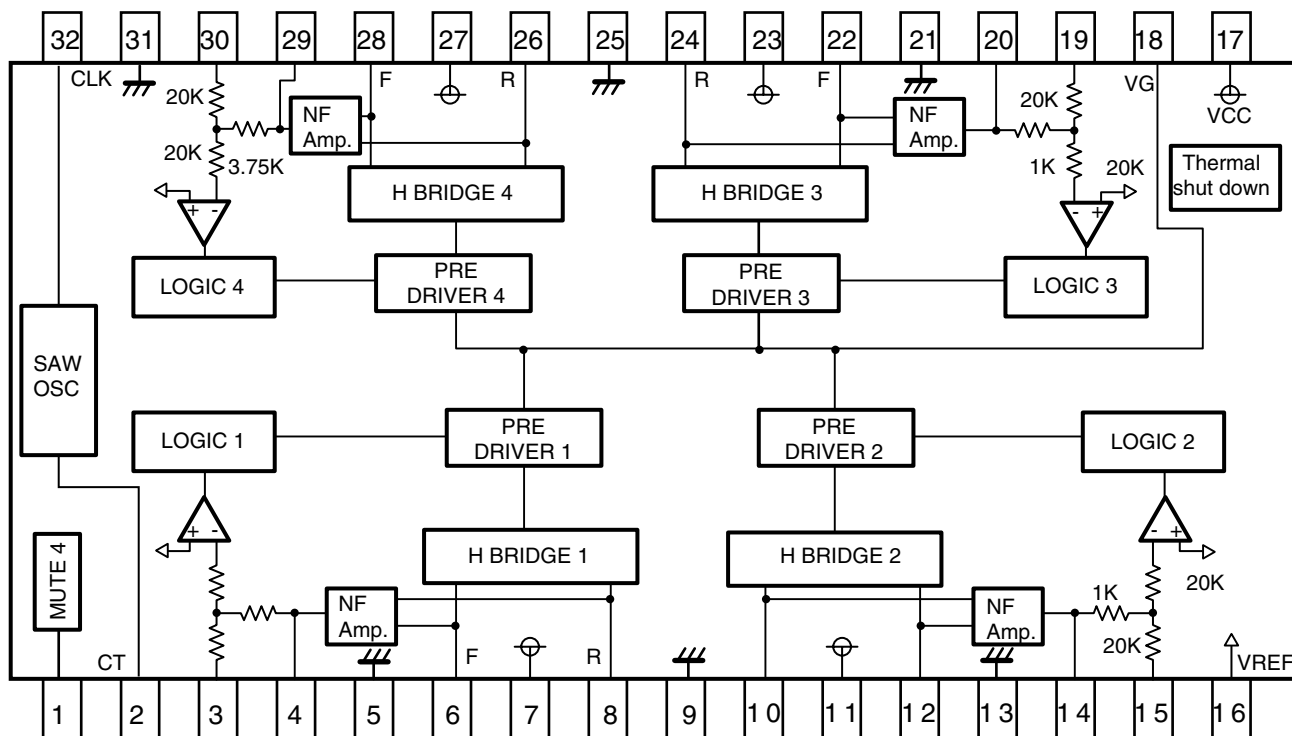


Description of major ICs

■ BH6508FS (IC6508) : Motor driver

1. Block diagram



2. Pin function

Pin No.	Symbol	Function	Pin No.	Symbol	Function
1	MUTE 4	Mute terminal	17	VCC	Control circuit power supply
2	CT	Triangular wave output terminal	18	VG	Pre-drive circuit power supply
3	IN 1	CH1 Control signal input terminal	19	IN3	CH3 Control signal input terminal
4	CN 1	CH1 Feedback filter terminal	20	CN3	CH3 Feedback filter terminal
5	POWGND 1	Ground for power and analog block	21	POWGND3	Ground for power block
6	OUT_IF	CH1 Non-inverted output terminal	22	OUT_3F	CH3 Non-inverted output terminal
7	POWVCC 1	Vcc for power block	23	POWVCC3	Vcc for power block
8	OUT_1R	CH1 Inverted output terminal	24	OUT_3R	CH3 inverted output terminal
9	POWGND12	Ground for power block	25	POWGND34	Ground for power block
10	OUT_2R	CH2 Inverted output terminal	26	OUT_4R	CH4 inverted output terminal
11	POWVCC2	Vcc for power block	27	POWVCC4	Vcc for power block
12	OUT_2F	CH2 Non-inverted output terminal	28	OUT_4F	CH4 Non-inverted output terminal
13	POWGND 2	Ground for power and digital block	29	CN4	CH4 Feedback filter terminal
14	CN 2	CH2 Feedback filter terminal	30	IN4	CH4 Control signal input terminal
15	IN 2	CH2 Control signal input terminal	31	POWGND4	Ground for power block
16	VREF	Reference voltage input terminal	32	CLK	External clock input terminal

Note: Nin-inverted output and inverted output if driver are the polarity to an input terminal.