5-CHANNEL MOTOR DRIVER FOR DVD PLAYER AM5668

Description

The AM5668 is a five-channel BTL driver IC, in which four channels are voltage-type BTL drivers for tracking and focus actuators, sled and spindle motors, the other one channel is DC motor driver for tray which supports forward/reverse control. This IC also contains two general-purpose independent precise voltage comparators.

Features

- 4-Channel DC Motor BTL Driver
- 1-Channel Forward/Reverse Control DC Motor BTL Driver
- Two Built-in Comparators
- Built-in Level Shift Circuit
- Built-in Mute Mode
- Built-in Thermal Shutdown Circuit
- Operating Voltage: 4.3V to 13.2V

Application

- DVD Player Driver

Benefits

- Completely Compatible with AM5868

Parametric Table

Symbol	Min	Typ	Max
I_{QC} (mA)		20	
V_{OMFC} (V)	3.1	3.4	
G_{VFC} (dB)		23.5	
V_{OMTK} (V)	3.1	3.4	
G_{VTK} (dB)		23.5	
V_{OMSP} (V)	3.1	3.3	
G_{VSP} (dB)	13.3	15.5	17.5
V_{OMSL} (V)	3.1	3.3	
G_{VSL} (dB)	18	20	22
V_{SAT1TR} (V)		1.4	1.6
V_{SAT2TR} (V)		2.3	2.5
V_{IO} (mV)		3	
G_V (dB)	80		
I_{SINK} (mA)		6.0	
V_{SAT} (V)		0.25	0.5
T_A (^oC)	0		70
T_{STG} (^oC)	-55		150

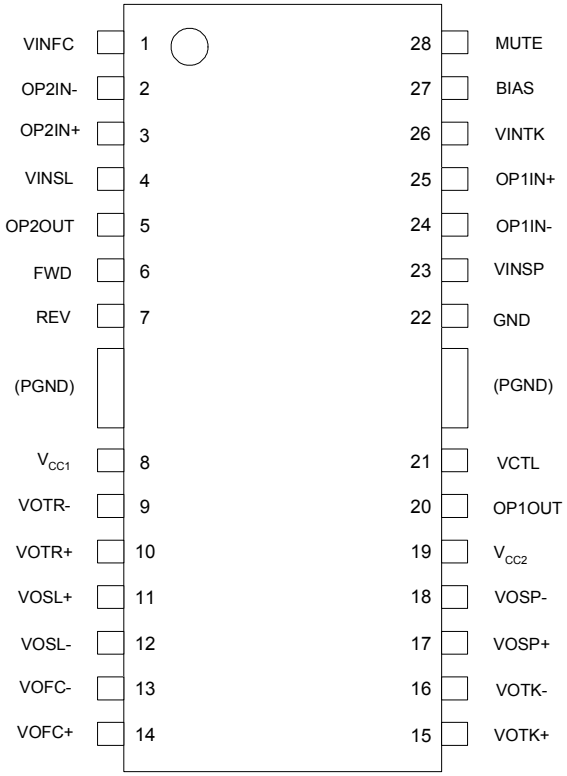
Additional Available Materials

- Samples
- Preliminary Datasheet
- ESD Report

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Pin Configuration

HSOP-28



Ordering Information

Package	Temperature Range	Part Number		Marking ID		Packing Type
		Tin Lead	Lead Free	Tin Lead	Lead Free	
HSOP-28	0 to 70°C	AM5668M28	AM5668M28-E1	AM5668M28	AM5668M28-E1	Tube

Detailed information please refer to the relevant datasheet.

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