

**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

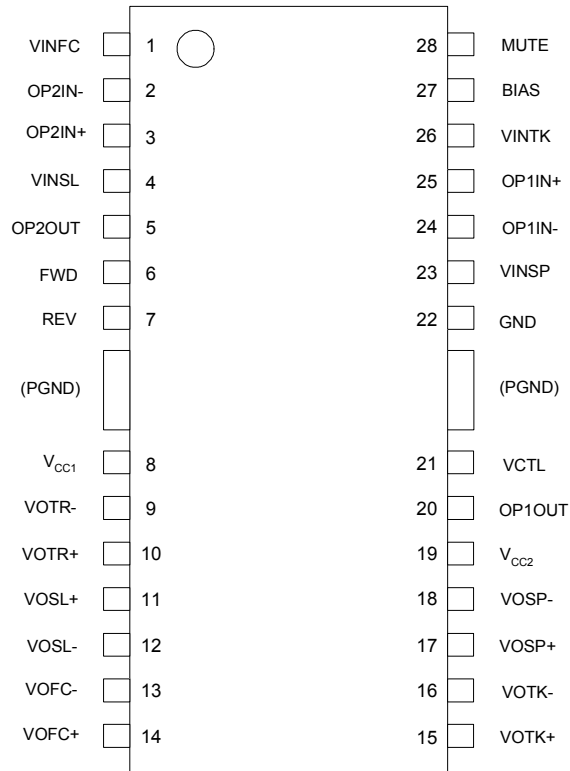
| Symbol | Min | Typ | Max |
|------------------|------|------|------|
| I_{QC} (mA) | | 20 | |
| V_{OMFC} (V) | 3.1 | 3.4 | |
| G_{VFC} (dB) | | 23.5 | |
| V_{OMTK} (V) | 3.1 | 3.4 | |
| G_{VTK} (dB) | | 23.5 | |
| V_{OMSP} (V) | 3.1 | 3.3 | |
| G_{VSP} (dB) | 13.3 | 15.5 | 17.5 |
| V_{OMSL} (V) | 3.1 | 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 (°C) | 0 | | 70 |
| T_{STG} (°C) | -55 | | 150 |

Additional Available Materials

- Samples
- Preliminary Datasheet
- ESD Report

**5-CHANNEL MOTOR DRIVER FOR DVD PLAYER****AM5668****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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