

## 4+2 CH serial input motor driver IC for DSC

### Features

- Built in 4+1 full-swing drivers switched by serial control with brake function
- Built in 1 constant current drivers for shutter or IRIS
- Low on-resistance (1.2Ω, sum of on-resistance of upside and bottom side).
- Output current :  $I_{OUT} \leq 0.8A(\text{max.})$  for each channel
- Build-in thermal shutdown (TSD, 150°C)
- CH1/2 corresponds to STM control of 2-2 phase or 1-2 phase
- Built in exclusive control mode: CH13/23 (for STM-B) the combination control mode of 5CH is set
- Built in exclusive control mode: CH35 (for DCM), the combination control mode of 6CH is set
- All power supply systems (VCC, VM12, VM345) can be set up with an independent power supply
- Power save mode corresponds by serial control setup
- PI (photo interrupter drive) 3 channel built-in
- PR Comparator 2 channel built-in.
- Small 28QFN (4×4mm) is adopted.

### General Description

G2008 is a 4+2 channel H-Bridge motor drivers IC for the digital camera and so on. It has four full-swing/constant voltage drivers and one full-swing/constant current drivers. G2008 can be operated in serial control mode or partial exterior control mode. When operating in partial exterior control mode, the mode of each CH is fixed by initial serial control setting. When operating in serial control mode, the mode of each driver can be setting by serial control.

### Applications

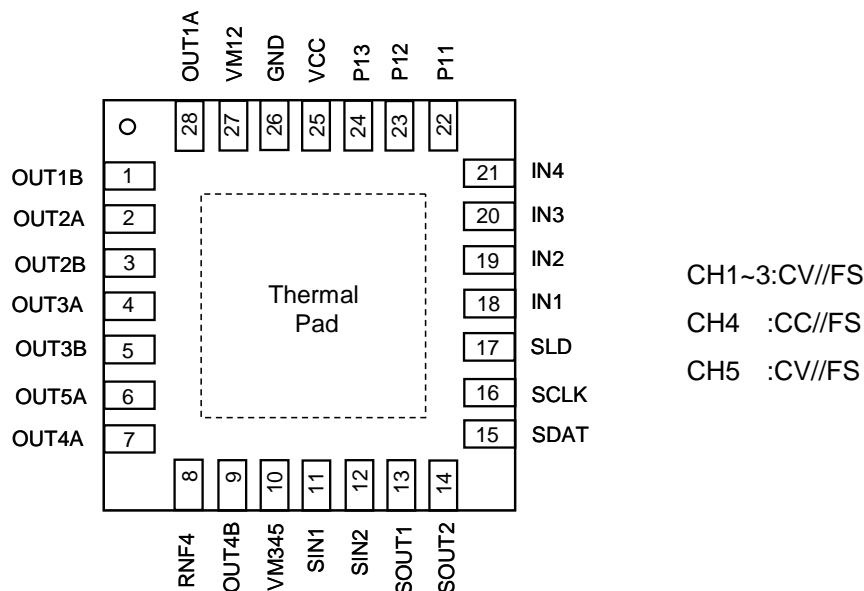
Stepping motor driver/ DC motor driver motor driver for DSC

### Ordering Information

ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Green)
G2008RV1U	2008	-20°C to +85°C	TQFN4X4-28

Note: RV: TQFN4X4-28  
1: Bonding Code  
U: Tape & Reel

### Pin Configurations



### G2008 TQFN4X4-28

Note: Recommend connecting the Thermal Pad to the Ground for excellent power dissipation.