

DW7800 : High Definition, Small PKG Haptic Driver IC For SRA

General Description

DW7800 is designed for Solenoid Resonant Actuator (SRA) to provide Haptic and Vibrator driver functions for mobile and wearable applications. DW7800 is controlled by host system via two-wire I²C interface. DW7800 provides 128 Bytes FIFO for data buffer to support burst block write operation by host system. DW7800 supports automatic wake-up functions through host I²C access and provides automatic sleep-mode when I²C bus is in idle or FIFO is empty. DW7800 provides OCP, UVLO and TSD for internal circuit protection.

Contact sales@dwanatech.com for complete datasheet, application note and immediate technical support.

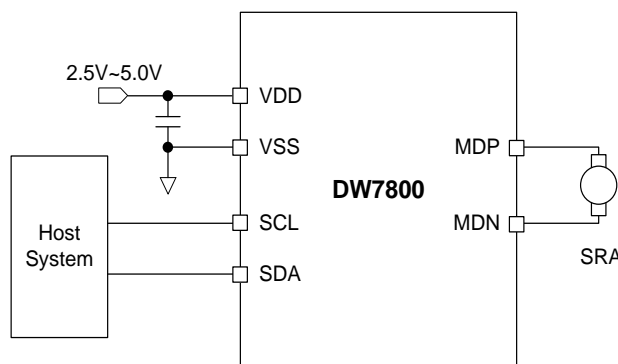
Features

- Immersion TouchSense® 5000 Certified and Compatible
- 2.5V to 5.0V Power supply for I/O interface and operation
- Differential output (H-Bridge) drive up to 200mA
- Fast-mode/Fast-mode plus I2C interface (compatible with 1.8V I/O) with 128 Bytes FIFO
- Automatic Wake-Up and Sleep-Mode
- Internal Circuit Protection function:
 - OCP (Over Current Protection)
 - TSD (Thermal ShutDown)
 - UVLO (Under Voltage Lock Out)
- Very small package size : both 6-pin WLCSP and 6-pin FCDFN packages available
 - WLCSP: 0.88 mm x 1.31 mm x 0.55 mm
 - FCDFN: 1.50 mm x 2.00 mm x 0.55 mm

Ordering Information

Part Number	Package Type
DW7800-WC	6-WLCSP
DW7800-FC	6-FCDFN

Typical Application Circuit



Dongwoon Anatech (DWA), Co. Ltd. specializes in Analog and Power IC for Mobile and Wearable Consumer Products. DWA is a leader in Auto Focus Driver IC for mobile camera system and provides wide range of products in AMOLED/LCD display power ICs and customized DC-to-DC converters for next mobile display applications. DWA Corporate office and R&D are located in Korea with sales & field support in China, Japan, Taiwan, and USA.