

## Quad Rail-to-Rail I/O, High-Slew-Rate OP Amp

### Features

- +3V to +5.5V Single-Supply Operation
- Input / Output Rail-to-Rail
- Low input current
- High output driving capacity
- Low Quiescent Current: 2mA @ 5V
- High Slew rate 6V/ $\mu$ s
- High Gain-Bandwidth Product 2.5MHz
- High Open Loop Gain 95dB
- High PSRR 70dB

### Applications

- Headphone Driver
- Portable Equipment
- Battery-Powered Equipment
- Multimedia Audio
- ASIC Input or Output Amplifier
- Sensor Amplifier
- Low Power/Low Voltage Applications

### General Description

G1244 is a input/output rail-to-rail Operational Amplifier. It can be operated from +3V to +5.5V single supply or from  $\pm 1.5V$  to  $\pm 2.75V$  dual supply. G1244 can drive 66mA into resistor loads to within 10% power rail each amplifier. AC performance is very excellent with 2.5MHz bandwidth, 6V/ $\mu$ s Slew Rate, 95dB open loop gain, 60 degree phase margin and low distortion.

Supply current of G1244 is only 500 $\mu$ A per Amplifier. It is very suitable for low current consumption applications to control high current loads. Applications include audio amplification for computers, sound ports, sound cards and set-top boxes.

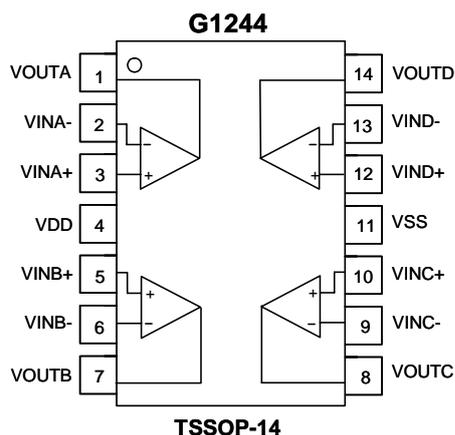
G1244 is available in 14-pins TSSOP package.

### Ordering Information

ORDER NUMBER	MARKING	TEMP. RANGE	PACKAGE (Pb free)
G1244D2U	G1244	0°C to 85°C	TSSOP-14

Note: D2: TSSOP-14  
U: Tape & Reel

### Pin Configuration



### Typical Application Circuit

