

GT4851

CMOS Single 8-Channel Analog Multiplexer/Demultiplexer

1 Features	2 Application
<ul style="list-style-type: none"> - High bandwidth: 390 MHz - High off-Isolation: -84 dB(RL=50 Ω, f=1 MHz) - Supply range: +2.5 V to +5.5 V - Low on-state resistance: 22Ω @4.5V - Break-before-make switching - Binary address decoding on chip - Operation temperature range: -40°C to +125°C - Micro size packages: SOP16, TSSOP16, QFN-3*3-16L 	<ul style="list-style-type: none"> - Sensors - Analog and digital multiplexing and demultiplexing - A/D and D/A conversion - Signal gating - Battery-operated equipment - Factory automation - Communications circuits - Appliances

3 Description	Circuit Diagram
<p>The GT4851 is a CMOS analog IC configured as an 8-channel multiplexer. This CMOS device can operate from 2.5 V to 5.5 V.</p> <p>The GT4851 device are digitally-controlled analog switches. It has low on-resistance (22Ω TYP) and very low off-leakage current (1nA TYP).</p> <p>The GT4851 is available in Green SOP16, TSSOP16 and QFN-3×3-16L packages. It operates over an ambient temperature range of -40°C to +125°C.</p>	