

Client Advanced Power Components
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APC says ARINC line driver works from single rail

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[Advanced Power Components](#) is stocking an ARINC 429 line driver powered by a single +5V supply.

Manufactured by Holt Integrated Circuits, the HI-8592 line driver is notable because it is designed to remove the need for negative voltage supplies or inverters which are typically found in ARINC 429 bus driver designs.

The component includes a negative voltage converter, allowing it to operate from a single +5V supply using only two external capacitors.

It also features high-impedance outputs (tri-state) when both data inputs are taken high, allowing multiple line drivers to be connected to a common bus.

Different outputs are available for easy implementation of external lightning protection, allowing the requirements of DO-160E, Level 3, waveforms 3, 4, 5A and 5B to be satisfied.

The HI-8592 is available in a 4-pin ESOIC package.