ARINC 429 line driver features built-in DO-160G Level 3 lightning protection

Holt Integrated Circuits introduced the world's first ARINC 429 line driver [1] capable of meeting DO-160G Level 3 pin injection waveforms without external components. The HI-8597 [2] operates from a single 3.3V power supply, eliminating the higher voltage supplies needed with other ARINC 429 line drivers.

The internal lightning protection circuitry fully complies with RTCA/DO-160G, Section 22 Level 3 Pin Injection Test Waveform Set A (3 & 4), Set B (3 & 5A) and Set Z (3 & 5B) without external components. An internal 37.5 Ohm resistor on each output enables direct connection to the ARINC 429 bus. All ARINC 429 voltage levels are generated by the on-chip DC/DC converter, operating from a single 3.3V supply using only four external capacitors. The device also has excellent short-circuit capability on the ARINC 429 outputs (+/-50V for 1 second).

"Holt maintains its lead with another industry first, producing the most compact, cost effective ARINC 429 line driver on the market today," said Anthony Murray, Director of Business Development at Holt.

The HI-8597 is available in a compact 16-pin E-SOIC package. Samples are available upon request.

To request information on Holt's ARINC 429, MIL-STD-1553 and other products, readers should contact Holt at (949) 859-8800, by e-mail at info@holtic.com [3], or visit the Holt Web site at www.holtic.com [4].
www.holtic.com [4]

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[1] http://www.holtic.com/PR112712a.html
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