

Transceiver family demonstrates compliance with lightning and EMI requirements of RTCA/DO-160G

Holt Integrated Circuits announced compliance of its RS-485 transceiver family, [HI-4850](#) [1], with the EMI/EMC requirements of RTCA/DO-160G, Section 21, Category P and the lightning requirements of RTCA/DO-160G, Section 22, Level 3 and 4 Pin Injection Test Waveform Set A (3 & 4), Set B (3 & 5A) and Set Z (3 & 5B). Details are available in Application Notes [AN-138](#) [2] and [AN-304](#) [3].

The RTCA/DO-160G specification provides a standardized test methodology which is accepted in the avionics industry as the gold standard for environmental testing of airborne equipment. Compliance ensures Holt devices operate reliably in a broad variety of applications with tough environmental requirements such as avionics and industrial control.

“Holt is committed to provide customers with the highest quality and most reliable products on the market,” said Anthony Murray, Director of Business Development at Holt. “Both in-house and independent testing validates this commitment and ensures reliability in tough, safety-critical applications”.

The RS-485/422 family offers customers a broad range of unique features such as extended common mode range and targeted slew rate control. The HI-4850 operates half duplex whereas the HI-4851 and HI-4852 provide full duplex operation. Multiple package options are offered, including industry standard SO-8 pinouts. The HI-4852 is available in a compact 4mm x 4mm QFN-16 package.

Devices are priced from \$2.96 in 1K quantities and are available immediately.

To request information on Holt’s ARINC 429, MIL-STD-1553 and other aerospace products, readers should contact Holt at (949) 859-8800, by e-mail at info@holtic.com [4], or visit the Holt Web site at www.holtic.com [5]

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Links:

[1] <http://www.holtic.com/pr041912a.html>

[2] <http://www.holtic.com/PR041912b.html>

[3] <http://www.holtic.com/PR041912c.html>

[4] <mailto:info@holtic.com>

[5] <http://www.holtic.com/pr041912d.html>