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Ultra Communications awarded three SBIR Phase II awards to continue developing ruggedized transceivers and related technology

Vista, California, February 12, 2010 - Ultra Communications, Inc today announced that it has been awarded Phase II awards for three SBIR programs. These programs continue development of ruggedized transceivers for the industrial commercial, military and space environments.

AFRL SBIR Phase II – Photonic Manufacturing Program. This program establishes a manufacturing platform to produce qualifiable photonic technology that has been developed and/or is in current development under SBIR programs. The following is a list of SBIR photonic technology that has or will reach prototype status:

- End-to-end optical measurement of fiber link loss (NAVAIR PH II)
- Small form-factor - JSF footprint and physical envelope (AFRL PH II)
- Radiation tolerant - 20 MeV/mg/cm2 SEU (DARPA PH II/IIE)
- Hermetic sealing (AFRL PH II)
- Top down connector (NAVAIR PH II)
- OTDR Built-in-Test (NAVAIR PH III)
- 10 Gbps data rates (NAVAIR PH III)
- Micro Tx/Rx singlets for board-to-board optical comm. (ARMY PH IIE)

NAVAIR SBIR Phase II – Top-down fiber optic connector for quad transceivers in the JSF package format. This creates removable pigtail with a hermetic feed-thru to the transceiver, using micro-scale expanded beam connectors.

AFRL SBIR Phase II – Radiation hardening of all optical routers. This program develops radiation tolerant all-optical switches for satellite applications.

About Ultra Communications
Ultra Communications (UltraComm) supplies highly compact and robust photonic components for harsh environment applications, such as satellites, military airframes, UAV, missiles and cell phone base station applications. We have developed a hybrid IC and optoelectronic integration approach that features: Standard planar manufacturing of photonic packages, Single chip integration of multiple functions—transmitters, receivers and built-in-test, high speed digital (10 Gbps) or RF photonic components, ability to optically monitor Vertical Cavity Surface Emitter Lasers (VCSEL) on a per-channel basis, and operation over a wide temperature range and in radiation environments. Ultra Communications is headquartered in Vista, California (in the greater San Diego area). Additional information is available on the web at www.ultracomm-inc.com.

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