



## **NORD-MICRO SELECTS MEMSCAP'S PRESSURE SWITCHES**

***NORD-MICRO qualifies MEMSCAP Pressure Switches for  
major commercial aircraft cabin pressure control systems***

**Grenoble, France and Skoppum, Norway, February 4, 2013** – MEMSCAP (NYSE Euronext: MEMS), the leading provider of innovative solutions based on MEMS (micro-electro-mechanical systems) technology, today announces that Nord-Micro AG & Co. OHG (Nord-Micro) has selected MEMSCAP to provide pressure switches for their new cabin pressure control systems.

Headquartered in Frankfurt, Germany, Nord-Micro is a well-established global player in the aerospace business and the world leader in Cabin Pressure Control Systems (CPCS) for large commercial aircraft. With more than 40 years of experience, continuous growth and improvement, Nord-Micro today is a well-known 1<sup>st</sup> Tier OEM supplier and the reliable partner of choice for major commercial and military aerospace customers all around the world.

Cabin Pressure Control Systems from Nord-Micro provide safety, high reliability, low operating costs, low crew workload and high passenger comfort. Nord-Micro Cabin Pressure Control Systems incorporate intelligent software that provides optimum cabin pressure control based on numerous aircraft parameters. Individually controlled outflow valves can even optimize the ventilation of cabin air based on cabin layout and passenger load.

MEMSCAP has developed high stability and high accuracy pressure switches specifically for this application. The MEMSCAP product baseline relies on MEMSCAP SP82 sensor technology and on company's proprietary transducers calibration methods.

MEMSCAP supplies Nord-Micro with a version of its TPS3100 pressure switch module. The TPS3100 pressure switch output has two switching limits. It is closing on decreasing pressure at 577.0 hPa and opening on increasing pressure at 578.0 hPa. In addition the TPS3100 has the option to measure the current pressure and temperature in order to send these values with Health Check functionality via a 5V TTL output. This switch has been designed and qualified to be fully integrated into Nord-Micro Cabin Pressure Control Systems.

The single-aisle aircraft Cabin Pressure Control System developed and produced by Nord-Micro consists of two redundant cabin pressure controllers, one outflow valve and various relief valves. The outflow valve consists of the valve itself and two independent electronic boxes. There is one TPS3100 pressure sensor/switch installed in each electronic box to measure pressure/temperature and switch signal output at specified limits.

The MEMSCAP TPS3100 has been qualified for the use in a major commercial single-aisle aircraft programs.

"We are having a strong relationship with MEMSCAP that Nord-Micro considers MEMSCAP an important module supplier for its Cabin Pressure Control Systems. " says Peter Hahlganß, Project Manager for Cabin Pressure Control Systems at Nord-Micro.

“Nord-Micro today is a famous 1st Tier Original Equipment Manufacturer supplier and the reliable partner of choice for major commercial and military aerospace customers all around the world. ”, states Jan Hallenstvedt, General Manager of MEMSCAP Standard Products Business Unit. “Being chosen by Nord-Micro and successfully qualify our products for major aircraft manufacturer systems is a great achievement and demonstrates once more the unique performance and robustness of MEMSCAP products and processes”.

MEMSCAP modular aerospace products are designed for all the aeronautics control systems worldwide, and their applications range from engine control, altitude and cabin pressure control, air data, to altimeters, air speed indicators and space applications.

Specifications and details for MEMSCAP avionics products can be obtained by contacting MEMSCAP at [info@memscap.com](mailto:info@memscap.com) or by contacting our office in Skoppum, Norway.

#### ***About Nord-Micro***

Nord-Micro is a UTC Aerospace Systems Company. Please visit the following Websites for more information: [utcaerospacesystems.com](http://utcaerospacesystems.com); [www.utc.com](http://www.utc.com); [www.nord-micro.com](http://www.nord-micro.com);

#### ***About MEMSCAP***

MEMSCAP is the leading provider of innovative micro-electro-mechanical systems (MEMS)-based solutions. MEMSCAP standard and custom products and solutions include components, component designs (IP), manufacturing and related services. MEMSCAP customers include Fortune 500 businesses, major research institutes and universities. The company's shares are traded on the Eurolist of NYSE Euronext Paris S.A (ISIN: FR0010298620-MEMS). More information on the company's products and services can be obtained at [www.memscap.com](http://www.memscap.com).

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