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NEWS RELEASE

## dsEDGE MCU Solutions

*ESI expands MicroChip based single board microcomputer solutions  
with the dsEDGE E8140 and E8160*

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**Mississauga, Ontario, Canada:** Embedded Sense, Inc. announced today the planned development of a new line of single board computers, based on the well known Microchip PIC18F line of 8-Bit microcomputers, targeted at OEM edge applications. The first in this line of solutions, the **dsEDGE E8140**, will be available in pre-production evaluation quantities for qualified customers directly from Embedded Sense, Inc. this quarter. Final production versions are planned for release in 2Q 2007. The second in this line of solutions, the **dsEDGE 8160**, are expected to be available in pre-production evaluation quantities for qualified customers directly from Embedded Sense in 2Q 2007 with final production versions available soon after.

Both the dsEDGE E8140 and dsEDGE 8160 are designed for minimal footprint processing solutions at the application edge where intelligent products must interface to the outside world, or as very low cost but capable computing slices.

The dsCORE E8140 is designed around the PIC18F4680 MCU and packaged in a small 32 Pin DIP footprint. It offers a wide range 5.5 - 16 VDC power input, up to 26 discrete I/O points, 9 Analog inputs (max. 4 buffered) and 4 ECCP/PWM outputs. Included on board is a CAN driver and a RS-232 driver which can be disabled by the MCU for reduced power drain. As well, onboard LED's can also be turned off by the MCU for even lower power requirements.

The dsEDGE 8160 is designed around the PIC18FLF2510 MCU and packaged in a true 24 PIN DIP footprint. It offers low power operation (2.0 - 5.5 VDC) mandatory for long-lived battery applications. Although a tiny package, the dsEDGE 8160 still provides up to 21 discrete I/O, 9 Analog inputs (max. 2 buffered) and 2 ECCP/PWM outputs. Included on board is a RS-232 driver and on-board LED's which can be disabled by the MCU for true ultra-low power operation.

According to Frank Gerlach, President of Embedded Sense, the dsEDGE E8140 and E8160 are "well proven Microchip MCU's packaged in versatile, low cost and easy to integrate packages".

Pricing has not been set for either unit, but will be announced at a later date. Pricing is expected to be highly attractive and competitive with other, less feature rich, solutions available in the market.

**Embedded Sense, Inc. (ESI)** is a premier technology partner specializing in leveraging embedded processing, interface, sensing and wireless expertise into product solutions for global customers in the military, industrial/commercial and medical markets.

### **FOR MORE INFORMATION CONTACT:**

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