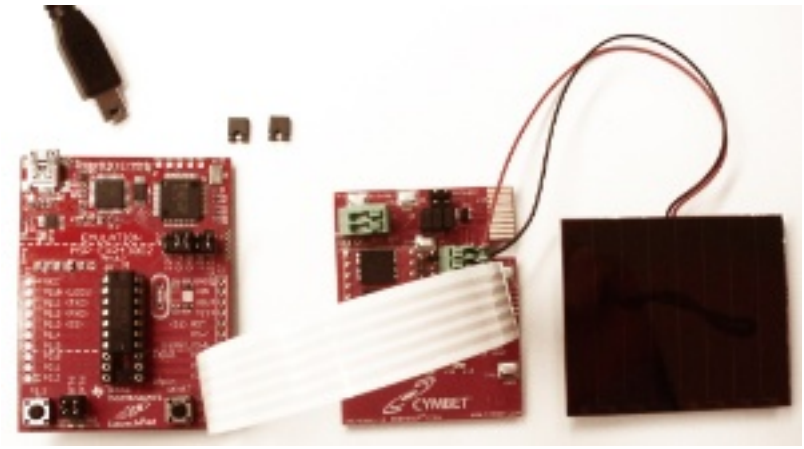
Energy Harvesting Kit works with MCU LaunchPad Development Kit



Cymbet Corporation today announced that their EnerChip solid state battery energy harvesting (EH) evaluation kits now support the popular Texas Instruments Incorporated (TI) MSP430 Value Line LaunchPad development kit. The combination of a Cymbet EH kit and TI LaunchPad enables designers to experiment with energy harvesting technology and applications for as little as $55.00. Ambient energy can be harvested from light, motion, vibration, heat, electromagnetic and RF sources by the Cymbet EnerChip EH kits that power LaunchPad. Cymbet also is supplying an open source temperature data logging application for LaunchPad. Cymbet's EVAL-09 EnerChip EP Universal EH kit, EVAL-10 EnerChip CC Solar EH kit, EVAL-11 EnerChip CC RF Induction Charging kit, and the TI LaunchPad development kit are available now at Avnet [1], Digi-Key [2] and Mouser [3].

Easy-to-Use Kits for Energy Harvesting Powered Applications
The TI LaunchPad development kit is part of the MSP430 Value Line series and is an easy-to-use development tool intended for beginners and experienced users alike for creating microcontroller-based applications. LaunchPad allows various MSP430 Value Line devices to be used and an on-board flash emulation tool allows direct interface to a PC for easy programming, debugging and evaluation. Included, are free and downloadable software development environments for writing and debugging software.

"We are very pleased to have Cymbet's continued support for our MSP430 development kits," said TI's Emmanuel Sambuis, general manager, MSP430. "Their EnerChip EH kits are cost effective and provide an excellent way to power MSP430 MCUs."

For more information about TI's LaunchPad development kit, please visit www.ti.com/launchpad [4].

Creating Zero Power Devices

“The EVAL-09, EVAL-10 and EVAL-11 kits were created in response to our customers’ desire to build zero power-based devices using different types of energy harvesting,” said Jeff Sather, Cymbet VP Customer Solutions. “We are working closely with electronics designers around the world to create new products that self-power by harvesting ambient energy. These devices - such as autonomous wireless sensors, data loggers, smart patches, micro actuators and process controls - are all “off the grid” using life-of-product EnerChip energy storage.”

Cymbet and TI kit combination information can be found at http://www.cymbet.com/content/products-evaluation-kits.asp [5] including Application Note AN-1050 “Using the EnerChip™ Energy Harvesters with the TI LaunchPad”.

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http://www.wirelessdesignmag.com/product-releases/2011/07/energy-harvesting-kit-works-mcu-launchpad-development-kit?qt-digital_editions=0

Links:
[1] http://cts.businesswire.com/ct/CT?id=smartlink&url=http%3A%2F%2Favnetexpress.avnet.com%2Fstore%2Fem%2FEMController%2FBatteries%2F_%2FN-100684%2FNe-100000%3Faction%3Dproducts%26cat%3D1%26catalogId%3D500201%26cutTape%3D%26inStock%3D%26langId%3D-1%26myCatalog%3D%26proto%3D%26regionalStock%3D%26rohs%3D%26storeId%3D500201%26term%3Deval-10%26topSellers%3D&esheet=6748684&lan=en-US&anchor=Avnet&index=1&md5=c564dbb354ff3e2f87ba7b99dec74fdd
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