

Campbell Collins Uniquely Positioned to Demonstrate 3E Digital Converters & Regulators to UK Customers

Stevenage, UK – 17th March 2010 - Campbell Collins Ltd, a specialist supplier of power supplies, capacitors and power semiconductors, announces today that it is in the unique position of being able to fully demonstrate Ericsson Power Modules' range of Digitally Controlled DC/DC Converters and Point of Load Voltage Regulators using the latest version of the 3E Evaluation Kit and software.

Ericsson's BMR453 and BMR454 are fully regulated Quarter Brick and Eighth Brick DC/DC Converters capable of delivering up to 396W and 240W respectively. Output Voltages can be programmed from 8.1V to 13.2V, and the input voltage range is 36-75V. Complementing these converters, the BMR450 and BMR451 are point of load regulators delivering 20A and 40A respectively. The output voltage of these devices can be programmed from 0.6-5.5V for the BMR450, and 0.6-3.6V for the BMR451. Input voltage ranges of these regulators is 4.5-14V.



All four of these product families utilise Digital Power Management techniques, enabling full communication and control between individual devices and the customer's on board host controller. These functions are implemented using the industry standard two wire PMBus interface, which is compatible with I²C. A further benefit of using Digital Power Management is the increase in Power Density and Efficiency over their Analogue counterparts. The BMR450 20A regulator for example has a footprint of just 1" x 0.5" and delivers efficiency levels of up to 96.8%.

Using the FAP 901 0755/2 Digital Evaluation Board and associated Silver Edition GUI interface, Campbell Collins can demonstrate to its customers the complete functionality of the Digital Management techniques. From a monitoring/reporting standpoint, this includes, but is not limited to, reporting of the input voltage level; output voltage; output current and internal junction temperatures. From a digital control standpoint, the converters and regulators can be programmed via the PMBus interface to modify certain parameters such as the output voltage; soft start/stop levels; delay and ramp-up times and voltage/current/temperature warning and fault levels, including modifying whether the unit should have latching or auto-restart protection. Additionally, the software can be used to pre-program voltage margining levels for production and qualification testing purposes.

For a full demonstration of the functionality of Ericsson's 3E Digital Power Management approach, or indeed to order your own Evaluation Kit, please contact Campbell Collins at www.camcol.co.uk.

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About Campbell Collins Ltd

Campbell Collins Ltd is a UK based Franchised Distributor of Power Sources and Capacitors for the Military, Aerospace, Medical, Transportation, Industrial and Telecom/Datacom marketplaces. In business for over 30 years, we have built a name for ourselves as a reliable, trustworthy and valuable partner to our customers and franchises alike, offering the highest levels of pre and post design support services.

Focussing on Power related products from key players in the Power Supply, Semiconductor and Capacitor product areas, we are a franchised, design in distributor for Gaia Converter, MS Kennedy, SSDI, Lansdale Semiconductor, Ericsson Power Modules, MTM Power, Mitra Energy, Arch Electronics, Power Mate, FT Cap, LeClanche Capacitors, Icel and the full line of Kemet companies including BHC, Arcotronics and Evox Rifa.

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