The Tinker's Toolbox - Jeff Smoot of CUI on Board-Level Power Management

Hosted by Alix Paultre, the Tinker's Toolbox is the Advantage Design Group's web-based interview show where we talk about the latest technology, components, and design issues for the electronic design engineering community.

In today's podcast we talk to Jeff Smoot, VP of Engineering and Quality at CUI about DC/DC power at the board level, the challenges to the engineer, and what CUI is doing to address them. Over the past 20 years, CUI has become a recognized name in electronic components worldwide in the areas of power, interconnect, motion control, and sound.

Right-click to download the podcast [1]

Here is a link to the podcast in case the play button is not visible: CUI Interview [2]

Here is a link to a Solus overview: http://www.cui.com/Solus-Power-Topology [3]

Whitepaper: New Power Topology Propels Quarter-brick Bus Converter to Benchmark Power Density
http://www.cui.com/Portals/CUI/Documents/Landing%20Page/CUI_New-Solus-Power-Topology.pdf [4]

Here is a recetn press release on CUI's products:

CUI Inc announced an addition to their V-Infinity product line with the release of a

series of high efficiency 4:1 input dc-dc converters that provide output power ranging from 10~20 W. Packaged in an industry standard 2 x 1 inch footprint, the VYB Series is ideal for battery-driven applications where charging and discharging conditions require an ultra-wide input range. With a temperature range of -40 to + 85 °C, the converters are suited for most operating environments.

Available in +3.3, +5, +12, or +15 V dc single output models and ±5, ±12, or ±15 V dc dual output models, the VYB Series accepts input voltages of 9-36 V dc or 18-75 V dc. Outputs are fully regulated to within ±0.5% over all line input conditions and ±1.0% for all load conditions. Additionally, input to output isolation of 1,500 V dc is provided across the range.

Single output 15W and 20W models offer an output trim that allows adjustment within ±10% of nominal output, while all models include remote on/off. Additional features include short circuit protection for the entire series, and over current and over voltage protection for 15 W and 20 W models.

The VYB Series is available through Digi-Key starting at $19.74 for 100 pieces. Contact CUI directly for OEM pricing.

For more information, please visit www.cui.com [5].

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http://www.wirelessdesignmag.com/blogs/2011/10/tinkers-toolbox-jeff-smoot-cui-board-level-power-management

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