

News Release

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Cobham Announces Crosspoint Switch (XPS) Standard Product

Colorado Springs, Colorado – Cobham Semiconductor Solutions latest addition to their standard product family is the UT65CML8X8FD 3.125 Gbps Crosspoint Switch (XPS), a protocol independent, high-speed, multi-Gbps switch product supporting the SpaceVPX/VITA 78 standard. Prototypes are available now and QML qualification slated for 2Q19.

“The UT65CML8X8FD is ideal for use as a high speed serial repeater, for distribution, primary and redundant switching, port replication and Space VPX (VITA78) data plane switching applications,” said Michelle Mundie, Business Area Director, Standard Products. “Cobham’s Crosspoint Switch differs from industry offerings with low power, a smaller footprint, along with being protocol independent.”

The primary function of the UT65CML8X8FD Crosspoint Switch is to perform switching of serial data streams between one of two, full duplex, 10 Gbps XAUI ports. The primary I/O configuration is as an 8 x 8 XAUI-compatible port switch matrix; each port has four full duplex lanes operating up to 3.125 Gbps. The established SpaceVPX/VITA 78 standard specifies a data plane switch function which enables a redundant and cross strapped serial data path within the VPX chassis. The SpaceVPX/VITA 78.0 data plane is based on the RapidIO network standard, consisting of switches and endpoints, which in turn is based on the 10 Gbps XAUI protocol standard. The UT65CML8X8FD Crosspoint Switch is a SpaceVPX data switch, which is protocol independent, and includes support for the XAUI standard. Typically, a primary serial I/O based resource is cross strapped with a redundant resource. There can also be redundant resources configured in a non-cross strapped configuration. This 8 x 8 cross point device can support implementation of either scenario.

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Key benefits of the UT65CML8X8FD are low power, a small footprint of 14.5 x 14.5mm, 100 krad(Si) and SEL immune of $\leq 100\text{MeVcm}^2/\text{mg}$. DLA has assigned SMD 5962-17213 and we expect QML V qualification by 2Q19.

“Cobham wanted customers to benefit from the SpaceVPX/VITA 78 standard by virtue of its enhanced redundancy and fault tolerance, which are critical attributes for HiRel Space systems,” continued Mundie.

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For copies of the Crosspoint Switch datasheet, call 1-800-645-8862, email info-AMS@cobham.com or visit www.Cobham.com/HiRel.

About Cobham Semiconductor Solutions

We are a global supplier of Standard HiRel ICs including memory, μ processor, interconnect & power and ASICs for space, commercial, medical and industrial markets, along with Electronic Manufacturing Services (Circuit Card Assembly, Radiation Testing, Component Up-screening and Packaging).

Our customers benefit from our complete design, manufacture and support capabilities, as well as the comprehensive inventory they depend on to enhance the quality and integrity of their products.

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