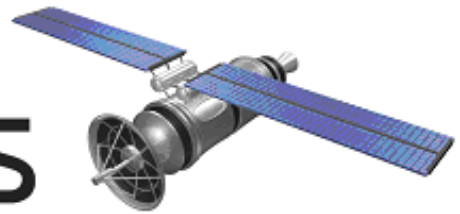


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The Global Semiconductor Industry Analysts

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TALK TO US



Telcos get G.fast edge over cable rivals

Israeli chipmaker Skypio is giving telcos an edge against their cable rivals in terms of upstream performance.

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Linear Tech brings 3.5A switching regulator

Linear Technology Corp. has introduced a couple of 3.5A, 42V input capable synchronous step-down switching regulators.

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Fujitsu Brings High-Speed Cyber-Attack Monitoring Tech

Fujitsu Laboratories Ltd has developed an innovative technology that quickly analyses damage status after an attack has been detected. The company came up with this in response to targeted cyber-attacks on specific organisations.

In the event of malware attacks, which infect organisations to cause a great deal of damage, including information leaks, it was previously necessary to analyse a range of logs on networks and devices to clarify attack status. However, in order to grasp the whole picture of the attack, analysis by an expert over the course of many hours was required.

Diamond Chips Oust Sapphire For Semicon Ics

The semiconductor industry may soon be rolling out the red carpet for diamond chips. Akhan Semiconductor Inc. is licensing the diamond semiconductor process from the U.S. Energy Department's Argonne National Laboratory to realise the promise of diamond semiconductors that have been known to be faster, use less power, and thinner and lighter weight than silicon. The startup may be making significant headway towards realising this potential.

Akhan Semiconductor has a 200mm wafer fab in Gurnee, Ill. and expects to announce a diamond semiconductor IC in a consumer product at the Consumer Electronics Shows (CES) 2017.

Lack Of Initiatives Curb Indian Mfg Growth

A joint study by ASSOCHAM and Roland Berger projected a decline of 44% to 30% by 2023 in India's manufacturing cost competitiveness in relation to its European counterpart. The study cites labour costs, poor infrastructure and logistics services as major impediments for growth.

"Manufacturing in India is currently 15% cheaper than Europe but the cost difference is reducing due to increasing wages and other costs," noted a study titled 'Indian Auto Industry: The way ahead,' conducted by The Associated Chambers of Commerce and Industry of India (ASSOCHAM) and Roland Berger Strategy Consultants.

Telcos Get G.Fast Edge Over Cable Rivals

Israeli chipmaker Sckipio is giving telcos an edge against their cable rivals in terms of upstream performance.

The start-up recently launched the world's first G.fast solution that promises to deliver up to 1.5Gbps in combined upstream and downstream performance by dynamically allocating the bandwidth in each direction in real time.

Michael Weissman, Sckipio's VP of marketing, described the technology—called dynamic bandwidth solution (DBA)—as the ability to change the existing bandwidth for downstream versus upstream. DBA is already being used in passive optical networks to share bandwidth between users, but with G.fast, the solution is designed to boost the speed of fibre to copper lines in order to give consumers a user-experience that achieves 750Mbps in each direction.

Linear Tech Brings 3.5A Switching Regulator To Car Market

Linear Technology Corp. has introduced a couple of 3.5A, 42V input capable synchronous step-down switching regulators. According to the company, the LT8610A and LT8610AB are geared for automotive and industrial applications, where their synchronous rectification delivers efficiency as high as 96% while Burst Mode operation keeps quiescent current under 2.5µA in no-load standby conditions. The internal 5A switches can provide up to 3.5A of continuous output current to voltages as low as 0.97V, added the company.

Burst Mode operation offers ultralow quiescent current, making it well suited for applications such as automotive "always-on" systems, which is needed to extend operating battery life.