



FH MONDAY

2nd November 2015

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LG Display beefs up OLED clout with recent buy!

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ST debuts 1.5kV super-junction power MOSFETs

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Cadence debuts Memory Model for LPDDR5

Cadence Design Systems Inc. has unveiled the Cadence Memory Model for the LPDDR5 standard, which is a verification IP (VIP) product that allows engineers to verify that SoC designs are compliant with the JEDEC interface standard.

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IDT to buy ZMDI for 1.9 crore

Integrated Device Technology (IDT) has reached an agreement to buy privately held Zentrum Mikroelektronik Dresden AG (ZMDI) for 1,974.52 crore (\$310 million), securing for the company a strong position in the automotive and industrial business.

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Plessey LEDs to be used in CIRCADIAN® ZircLight's circadian-modulated lighting systems

PLYMOUTH, ENGLAND - 26th October 2015 - Plessey announced today that it will provide CIRCADIAN ZircLight, a global leader in providing 24/7 workforce performance solutions, with an LED package solution for the development of circadian-modulated, smart LED lighting systems and lamps.

Based near Boston, Massachusetts, USA, CIRCADIAN ZircLight's lighting division is developing high quality, white light fixtures and backlighting which control bioactive light spectral wavelengths to maximize productivity during the day and prevent the harmful effects of light exposure at night.

The technological developments of CIRCADIAN ZircLight build upon a growing body of research showing that exposure to light at night causes a disruption of brain neuroendocrine systems, including melatonin and cortisol rhythms. This research suggests that the myriad of health issues related to shift workers may be due to the night time light exposure during night shifts.

LG Display beefs up OLED clout with recent buy

LG Chem Co., which claims to be South Korea's leading chemical company, is selling its OLED business to its South Korean affiliate LG Display Co. Ltd, said to be the world's largest maker of LCD panels. LG Chem announced its plans to sell the OLED business unit to LG Display on December 15, 2015 for \$142 million in a strategic move to focus on its flagship business.

An LG Chem spokesperson said the company plans to focus on its material business, while LG Display will develop OLED-based products.

The announcement comes in the same week that LG Display declared a Q3 profit slide of 30 per cent as the result of weaker demand for consumer electronics devices. LG Display, which counts Apple one of its major clients, has shored up production of its flagship OLED, as well as quantum dot-based panels known for their high colour reproduction. The OLED move is an attempt to compete more effectively with the company's bigger rival Samsung, which is pushing harder in the quantum dot TV sector.

ST debuts 1.5kV super-junction power MOSFETs

STMicroelectronics has introduced a family of power MOSFETs that enables designers of power supplies to maximise the power efficiency of their products while improving robustness and safety margins. According to the company, the MDmesh™ K5 devices are the first in the world to combine super-junction technology with a drain-to-source breakdown voltage of 1.5kV.

The devices address the growing demand for higher output power for auxiliary switched-mode power supplies in servers, where power-supply robustness is a key factor in minimising down-time, and in industrial applications such as welding and factory automation. For these applications, where power output ranges from 75W to 230W or above, super-junction MOSFET technology is the preferred choice because of its outstanding dynamic-switching performance.

Cadence debuts Memory Model for LPDDR5

Cadence Design Systems Inc. has unveiled the Cadence Memory Model for the LPDDR5 standard, which is a verification IP (VIP) product that allows engineers to verify that SoC designs are compliant with the JEDEC interface standard. It also ensures that they can operate correctly in a system with the actual memory components.

Validation of designs using the LPDDR5 memory model reduces the risk of mistakes, rework and delayed production, leading to faster production ramp-up and higher product quality, stated the company.

IDT to buy ZMDI for 1.9 crore

Integrated Device Technology (IDT) has reached an agreement to buy privately held Zentrum Mikroelektronik Dresden AG (ZMDI) for 1,974.52 crore (\$310 million), securing for the company a strong position in the automotive and industrial business.

The deal, expected to close by the end of the year, extends IDT's portfolio in programmable power devices and timing and signal conditioning. ZMDI's business is already well established and benefit immediately from IDT's scale and technology, according to a statement.

The acquisition would also add 127 crore (\$20 million) of revenue to IDT each quarter, said the company. IDT targets 5,095 crore (\$800 million) in sales. Last year, it recorded sales worth 3,649 crore (\$572.9 million).