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Samsung Display to manufacture single stack OLED first in Gen 8 line

Samsung Display is planning to manufacture single stack OLED first at its first Gen 8 OLED production line, TheElec has learned.The company is planning to build a Gen 8 (2200x2500mm) substrate OLED production line.

Samsung

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Germany's BASF starts production at southern China mega complex

- German chemicals group BASF (BASFn.DE) said on Tuesday it has started production at a giant complex in southern China's Zhanjiang.

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Infineon Keeps HyperRAM Relevan

Nothing says enduring like a technology that's weathered mergers and acquisitions.
Infineon Technologies' latest iteration of its HyperRAM expansion memory can trace its roots back to Spansion, which merged with Cypress Semiconductor in late 2014. First announced in early 2015 as a companion RAM device, HyperRAM was designed for use in systems-on-chip (SoCs)anmicrocontrollers (MCUs), where both RAM and flash are connected to the same HyperBus interface;

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TALK TO US

Wolfspeed Set to Invest $5 Billion in SiC Expansion

Wolfspeed, the wide-bandgap chipmaker focused on silicon carbide and gallium nitride devices, plans to spend up to $5 billion to chase demand in the electric vehicle business that shows no signs of slowing down. Today, the company is announcing an investment of up to $2 billion for the world's largest silicon carbide plant. .

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Qualcomm builds a foundation for the Metaverse: Gold

For the past couple of years, Qualcomm has been pivoting. Yes, it's still clearly a chip provider shipping billions of its chips into a variety of smartphones and IoT devices. But over the past couple of years, it's also been quietly becoming a platform provider that no only creates chips, but also enables more complete solutions by creating a significant amount of software and services

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Samsung Display To Manufacture Single Stack OLED First In Gen 8 Line

Samsung Display is planning to manufacture single stack OLED first at its first Gen 8 OLED production line, TheElec has learned. The company is planning to build a Gen 8 (2200x2500mm) substrate OLED production line.

The larger substrate used in the line compared to Gen 6, which mostly makes panels for smartphones, means it is more economical to make larger panels aimed at tablets and PCs.

Samsung Display's co-project to develop a full-cut, vertical deposition machine optimized for a Gen 8 line with Japan's Ulvac had been aimed at single stack OLED from the start at the design concept stages, according to sources.

Germany's BASF starts production at southern China mega complex

German chemicals group BASF (BASFn.DE) said on it has started production at a giant complex in southern China's Zhanjiang.

The first plant at the site will produce 60,000 tonnes of engineering plastic compounds a year for the automotive and electronics industries, the company said in a statement.

It will be supplied entirely by renewable electricity, it added.

The company expects to invest up to 10 billion euros ($9.95 billion) in the site, which will be its third-largest globally when complete in 2030.

Infineon Keeps HyperRAM Relevant

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Infineon Technologies' latest iteration of its HyperRAM expansion memory can trace its roots back to Spansion, which merged with Cypress Semiconductor in late 2014. First announced in early 2015 as a companion RAM device, HyperRAM was designed for use in systems-on-chip (SoCs) and microcontrollers (MCUs), where both RAM and flash are connected to the same HyperBus interface; development of the initial HyperRAM technology was informed by the prior work on HyperBus and HyperFlash technologies.

Since the debut of HyperRAM, technologies and use cases have evolved, although the IoT has been a driving force for lower-power memory innovation over the past decade. With HyperRAM 3.0, Infineon is aiming the high-bandwidth, low-pin–count pSRAM-based volatile memory at applications requiring expansion RAM memory, including video buffering, factory automation, automotive vehicle-to-everything (V2X), and what it calls the artificial intelligence of things (AIoT).

Wolfspeed Set to Invest $5 Billion in SiC Expansion

Wolfspeed, the wide-bandgap chipmaker focused on silicon carbide and gallium nitride devices, plans to spend up to $5 billion to chase demand in the electric vehicle business that shows no signs of slowing down.

Today, the company is announcing an investment of up to $2 billion for the world's largest silicon carbide plant. The facility will be located on the outskirts of Raleigh, North Carolina, near its corporate headquarters in the Research Triangle Park.

"It's the next big step for Wolfspeed to be able to support not just our own internal needs, but also the needs of the burgeoning silicon carbide industry," Rex Felton, Wolfspeed's SVP of global operations, told EE Times. "It's going to be a factory like no other. It's silicon carbide (SiC), the second-hardest material known."

Qualcomm builds a foundation for the Metaverse: Gold

For the past couple of years, Qualcomm has been pivoting.

Yes, it's still clearly a chip provider shipping billions of its chips into a variety of smartphones and IoT devices. But over the past couple of years, it's also been quietly becoming a platform provider that no only creates chips, but also enables more complete solutions by creating a significant amount of software and services to make those chips adaptable to specific markets, as well as partners with a wide array of important infrastructure players.

Perhaps its most visible platform play currently is the Qualcomm Drive Platform. It enables a wide array of functions in cars and eventually autonomous vehicles – from infotainment to drive train components to all-important connectivity. Qualcomm has partnered with nearly every major player in vehicle manufacturing, as well as with many infrastructure enabling companies. And while deployments in cars sometimes can take years from the start of engineering until consumers can buy the results, Qualcomm is well on its way to being a key player that will benefit for an extended period of time.