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Marketplace Report

# Strong Global Demand for Semiconductors Brings Unlimited Opportunities in China

#### Lin Fu VLSI Research Europe



China Suzhou = October 23, 2018 Shenzhen = October 25, 2018

TestConX China Workshop

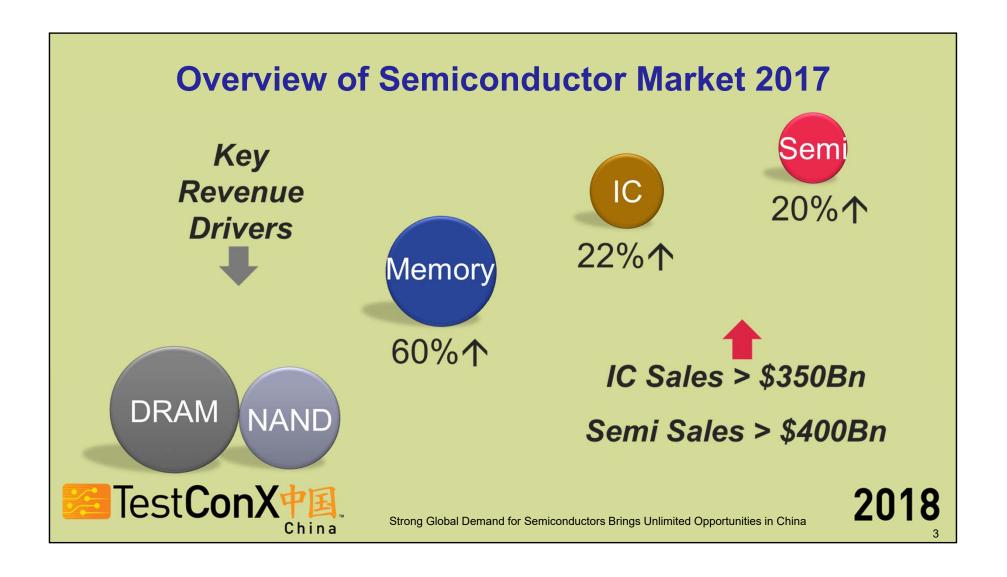
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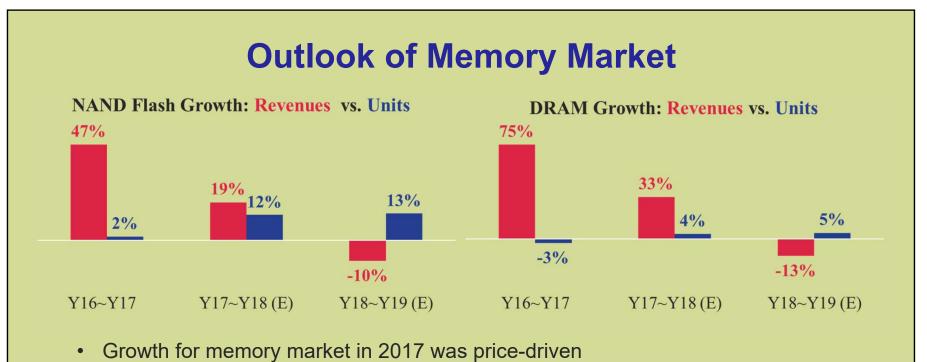


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2018



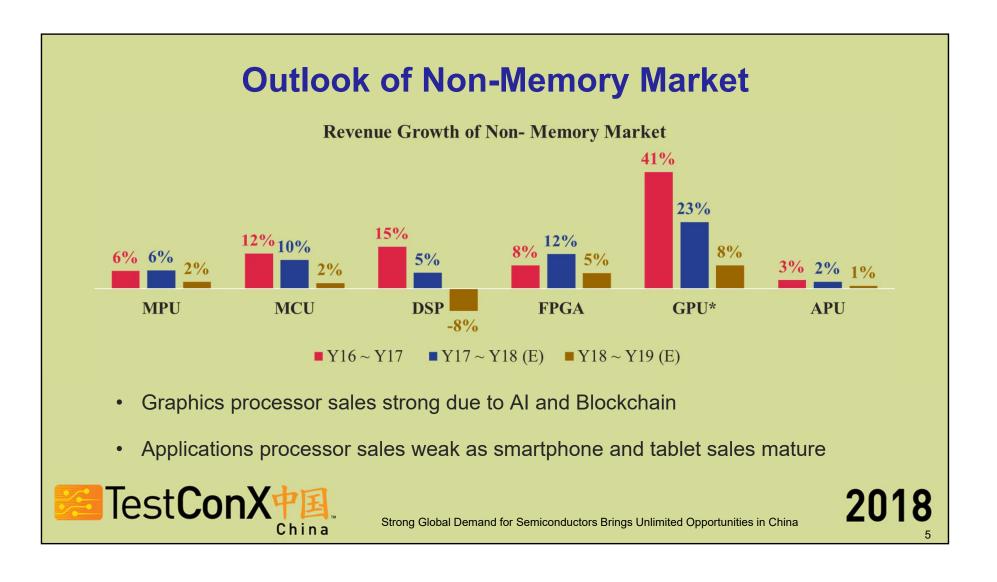
 Weakening NAND and DRAM prices will slow down the revenue growth in 2018 and may result in the negative revenue growth in 2019 even if unit shipments

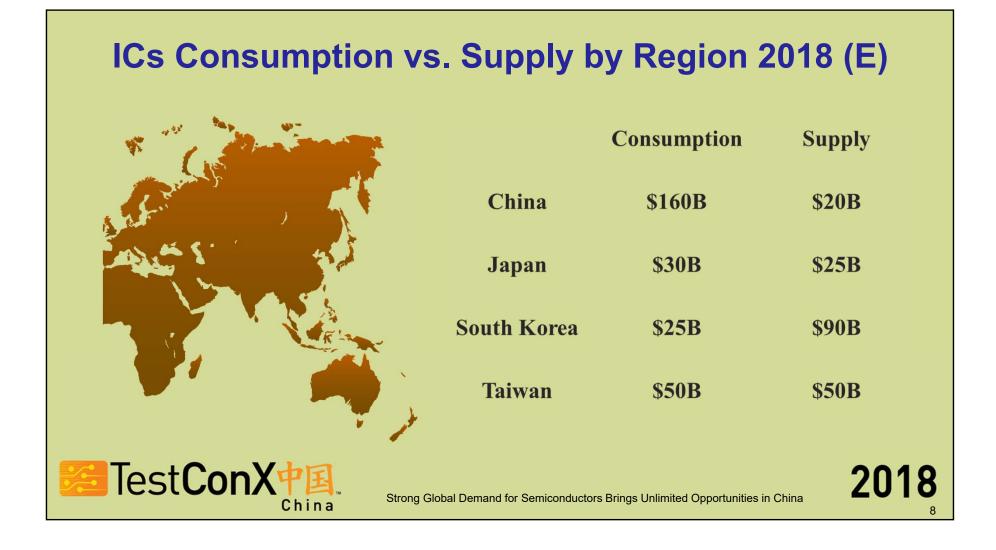
steadily increase

China

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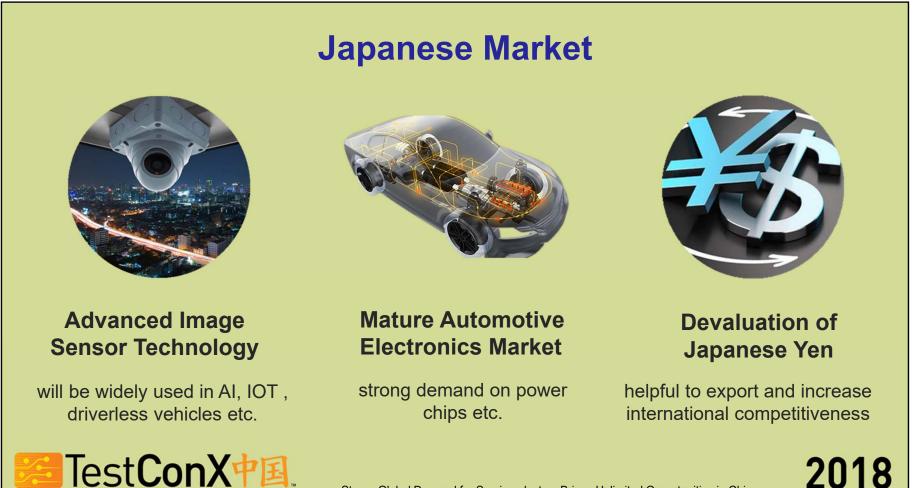




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#### **TestConX China 2018**

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• Korean test consumables' suppliers concentrate on local market, more than 80% burn-in sockets consumed locally



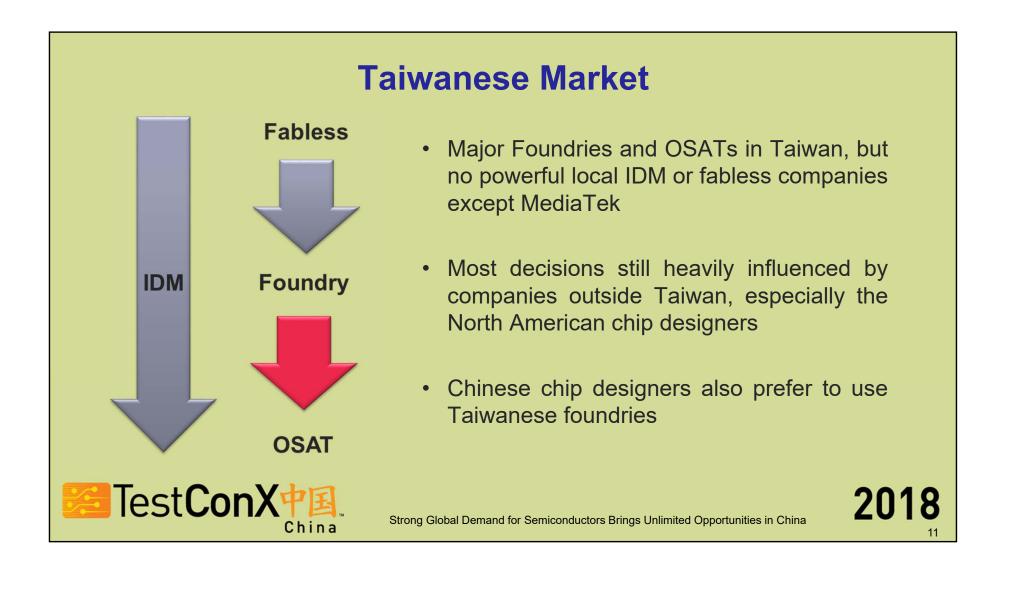


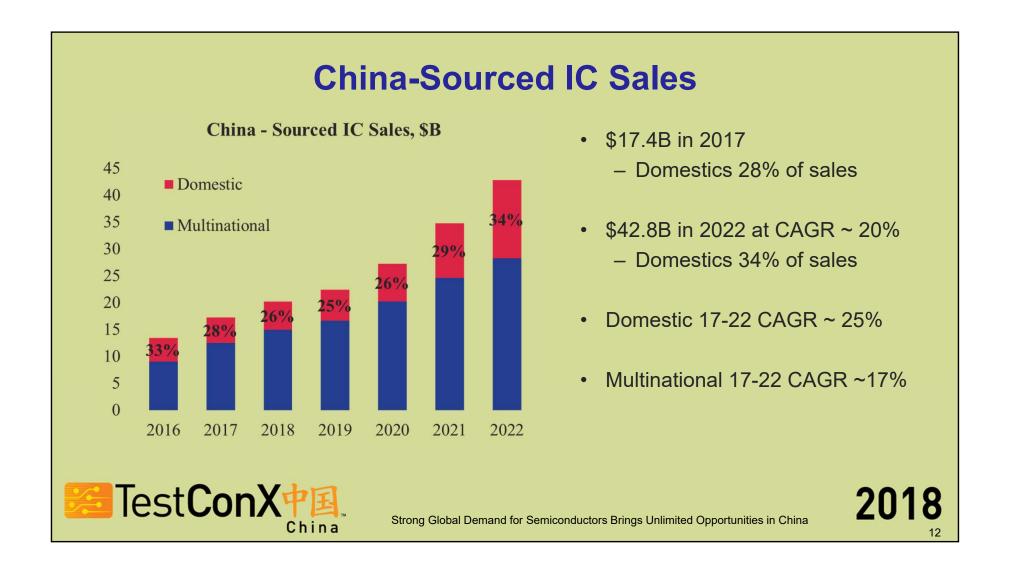
- Strongly dependent on two chip designers: Samsung and SK Hynix. (Main growth drivers for elastomer socket business)
- Samsung started to reduce the cost of test in 2018, which was a bad news for Korean suppliers



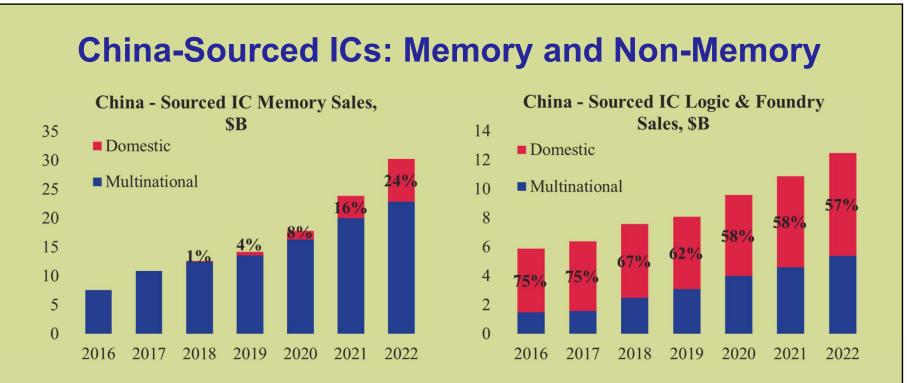
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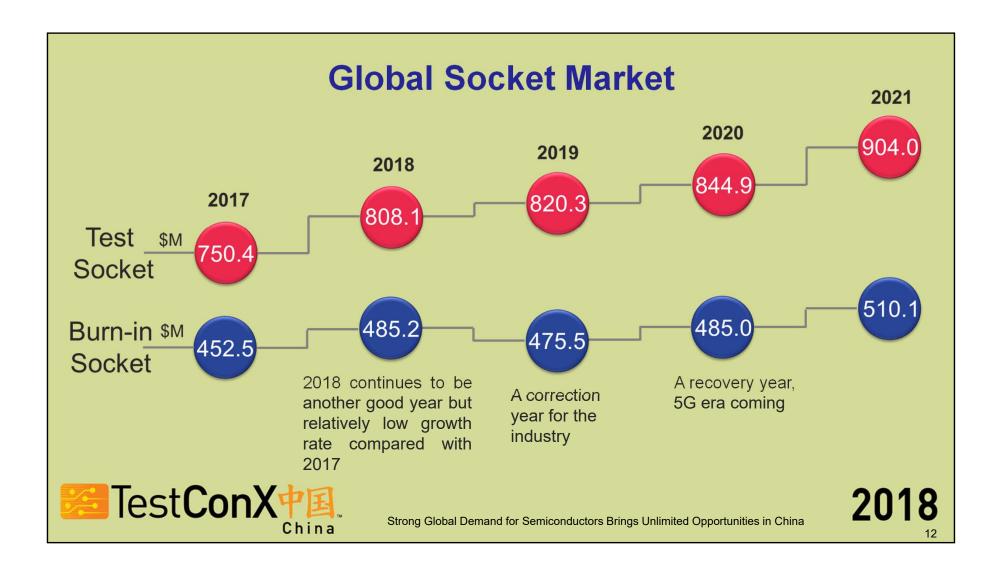


• Most of China sourced IC sales by domestic vendors are for non–memory applications. Domestic memory Capex will increase significantly over the next five years

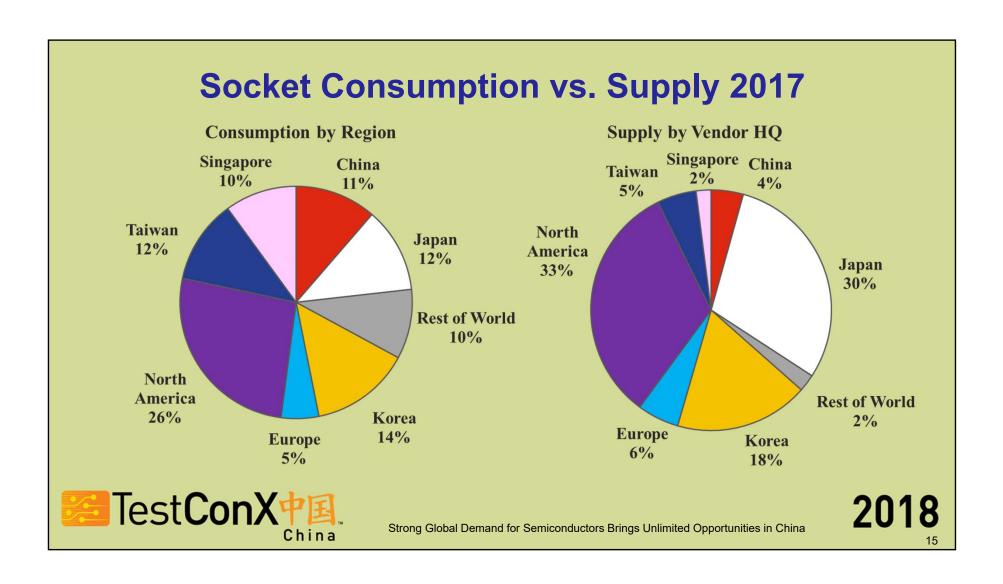
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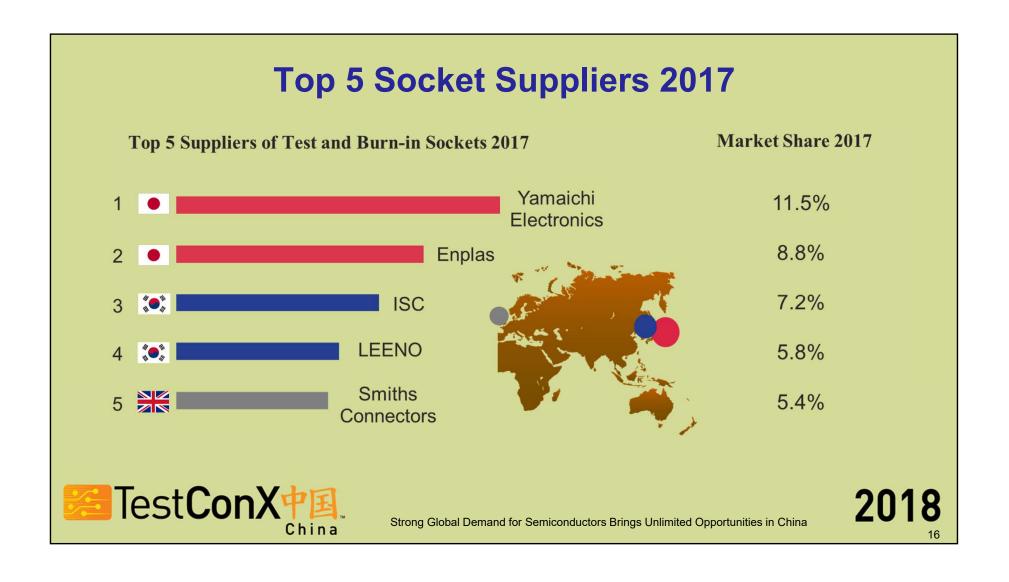
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#### **Favorable Environment in China**

- Domestic China sourced ICs will grow greatly over the next five years, especially for memory chips
- With China likely to be home to the lion's share of new 5G subscribers over the next five years, it will create a favourable environment for semiconductor industry
- More and more decisions made in China will be from local chip designers, which is good news for local vendors
- Sockets consumed inside China are mostly supplied by foreign vendors. However, local suppliers will have more opportunities for sales of higher margin products in the future.



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