

TSMC, Kilopass Deliver NVM OTP IP for the 16FinFET Process Node      Kilopass Technology Inc., a leading provider of semiconductor logic embedded non-volatile memory (eNVM) intellectual property (IP), announced today that it has successfully ported its one-time programmable (OTP) NVM technology to TSMC's 16 nanometer (nm) FinFET process

"Embedded non-volatile memories are becoming an increasingly important part of SoC designs created by our key customers," notes Suk Lee, TSMC senior director, Design Infrastructure Marketing Division. "Kilopass' support for this technology at the 16FinFET node enables us to offer our mutual customers a complete solution that saves design time, chip area and power consumption."

The Kilopass OTP 2T bit cell continues to be easily manufactured and demonstrates the high level of reliability and performance similar to results produced at other process geometries built with planar transistor structures. Kilopass' OTP 2T bit cell technology can scale easily from 180nm to 28nm and beyond across a wide variety of process technologies including low power, high-voltage, and high-K metal gate.

As TSMC process migrates to FinFET transistor structures, Kilopass' antifuse OTP NVM was successfully ported to the FinFET process. The solution provided will also cover the methodology that meets the challenges of OTP NVM memory IP design for FinFET technology to enable faster time to market with high quality and reliability for TSMC and Kilopass' joint customers.