



# Product Change Notification PCN0913

## Qualification of TSMC as a Manufacturing Facility for the W65Cxx Product family.

**Subject:** Qualification of TSMC as a Manufacturing Facility for the W65Cxx Product family  
W65C816 8/16- bit microprocessor

**Products Affected:** W65C816S6PG-14, W65C816S6PLG-14, W65C816S6QG-14

**Change Description:** The W65C816S6 (currently manufactured on a 0.6 $\mu$ m process at Sanyo) has been transitioned to a 0.6 $\mu$ m process currently being used at TSMC for the W65Cxx family.

**Reason For Change:** Foundry change.

**Qualification Data:** Process qualification data is available, using the W65C816S6TPG-14, W65C816S6TPLG-14, and W65C816S6TQG-14 as the qualification vehicle. Qualification samples are available.

**Traceability:** Products will be marked as W65C816S6T to delineate products manufactured with the 0.6 $\mu$ m process at TSMC. As an example:

The **W65C816S6** is a **Sanyo** product; the **W65C816S6T** will be a TSMC product. The W65C816S6TPLG-14 is pin for pin and functionally compatible to the W65C816S6PLG-14. .  
Datasheet is available at:

<http://www.WesternDesignCenter.com/wdc/documentation/w65c816s.pdf>.

For any questions regarding this PCN you may contact The Western Design Center, Inc. via email at "[David.Cramer@WesternDesignCenter.com](mailto:David.Cramer@WesternDesignCenter.com)".