



OBJECTIVE ANALYSIS

Semiconductor Market Research

OBJECTIVE ANALYSIS DETAILED REPORT

A CLOSE LOOK AT THE MICRON/INTEL 3D XPOINT MEMORY *September, 2015*

Abstract:

This report explores Intel Corp.'s and Micron Technology's recently-announced 3D XPoint memory and Intel's Optane support products. We explain the technology and special challenges it will meet in manufacture. Following this is a discussion of how 3D XPoint memory will be used, including a section about the benefits of its persistent nature. Another section explains how the market will develop and provides two forecast scenarios. The report concludes with discussions of different market segments and predicts how the technology will impact each of them.

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- What is a Crosspoint Memory?

 - The "Sneak Path" and Selectors

- Why Are Selectors So Challenging?

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 - Complexity

 - Uniformity

- Stacking Crosspoint Decks

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- A History of PCM

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 - A Premature Revelation

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