

PCN07-14 Frequently Asked Questions

December 10, 2014

Q: Why is Lattice issuing this PCN?

A: Lattice is taking advantage of a fabrication line consolidation effort within Fujitsu Microelectronics to move our LA-MachXO products to a newer, more-advanced line. Transfer to this newer, 300mm line will help ensure longevity for this successful programmable logic device (PLD).

Q: What was the chain of events at Fujitsu Microelectronics?

A: Fujitsu notified us in February of 2013 of their intention to consolidate their 130nm Mie 200mm line with another 200mm line. This was done as part of an initiative to consolidate their foundry strategy around more advanced technologies and in more state-of-the-art foundries. Lattice subsequently issued Advanced Change Notification (ACN) on July 11, 2013. This Product Change Notification (PCN) is a follow-on formal notification to our customers.

Q: When can I get 300mm Mie plant LA-MachXO samples?

A: LA-MachXO samples are available now. Samples for the rest of the family will be available in September-October timeframe. To ensure availability, Lattice asks sample orders to be placed by December 31, 2014.

Q: Why does it take so long to get samples?

A: All transfer activities are proceeding on time according to schedule. Lattice is making the largest density samples available now so that customers can start their qualification evaluation as soon as possible.

Q: Should I be worried about this transfer?

A: No. Transfer is taking place within a single Fujitsu fab site. Transfer is being closely managed by both Lattice and Fujitsu engineering staff. In order to deliver on our promise of “form, fit and function compatibility” the parts from the new line are undergoing extensive qualification, including burn in for guaranteed reliability over the life of the product.

Q: Will there be a last time buy for 200mm XO product?

A: No. The LA-MachXO product from the 300mm line will be indistinguishable from that of the previous line. (You will be able to distinguish via the top mark.) We are taking steps to ensure that the 300mm line is form, fit and function compatible. There will be no need for a last time buy.

Q: Who do I contact if I have questions about this PCN?

A: Please contact PCN Administration at pcn@latticesemi.com or your local sales representatives.

Q: How will the move to 300mm for LA-MachXO products impact price?

A: Pricing will not be affected by this transfer. The cost increases in moving to a larger wafer are offset by the additional wafer area and resulting die yield. Keep in mind that this is not a “die shrink”. We are transferring the LA-MachXO product line “as is”. We are maintaining the die attributes such as size and pad location. This will ease the migration of customer designs.

Q: Is this fab transfer a single event?

A: Having surveyed our fab partners, we see no other near term event that would impact our current supply chain.

Q: Is there an increased risk that LA-MachXO at the Fujitsu 300mm line will be discontinued soon?

A: LA-MachXO will remain at the advanced 300mm wafer fab and should enjoy a long lifetime similar to that of our 90/65nm products.