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PCN-964101**

1M×4 DRAM Product Change Notification

Change Description

Alliance is preparing to convert 4Mb DRAM manufacturing lines from 70ns to 60ns. This across-the-board change will be taking place before the end of October. -70 marked units that are on hand will be depleted over the next several weeks and shipments will convert to -60 marked devices only.

Pentium Compatibility

All Pentium based motherboard designs can accommodate 70ns material. Many new chipsets/BIOS combinations, however, allow users to selectively tighten DRAM timing to take advantage of faster 60ns main memory. For this reason, many module resale and retail channels prefer 60ns DRAM to eliminate any possible performance compatibility issues with end customers.

Alliance is converting the 1Mx4 DRAM to a -60 marking to make it easier for customers to do business in their resale and retail channels.

Alliance Product Status

Alliance has always targeted 60ns operation for the AS4C14400 1M x 4

DRAM. Our conservative approach to product design resulted in 70ns speeds, as expected, for initial production material. As of the end of September, though, yields to 60ns were approaching 100%.

Alliance is now switching the product from a -70 marking to a -60 marking. This is a topside mark change only, and it is indicative of the improved speed yield. The switch from a -70 marking to the -60 marking is therefore a mere formality. There have been no design shrinks that might require requalification.

Specifications

The -60 speed of the Alliance 1Mx4 conforms to industry standard AC and DC specs. Datasheets are available on the world wide web at www.alsc.com.

Recommendation for Sales and Customers

Customers who have already qualified the AS7C14400-70JC should not need to re-qualify the Alliance AS4C14400-60JC 60ns 1Mx4 DRAM.

Questions regarding Alliance AS14400 should be forwarded to your local sales representative or Alliance Sales Manager.

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