



PRODUCT CHANGE NOTIFICATION

PCN NUMBER: 022804

DATE: 12 July 2004

SUBJECT: AZM CHANGE NOTIFICATION REGARDING AZ100LVEL16VRX

TITLE: Porting to an equivalent process at a different foundry and foundry location, design change to improve ESD, no electrical or behavioral design changes.

EFFECTIVE DATE: 1 September 2004

AFFECTED CHANGE CATEGORIES: Wafer diameter and process, foundry and location.

AFFECTED PRODUCTS: AZ100LVEL16VRX (Die)

DISCLAIMER: AZM considers this change approved unless specific conditions of acceptance are provided within 30 days of receipt of this notice. To do so, please contact AZM.

DESCRIPTION AND PURPOSE: The previous foundry, AGERE, has terminated the process. AZM has reached a point where inventory is substantially depleted and has ported the design to an equivalent, qualified production process at ZARLINK (formerly Plessey) in Swindon, UK, on larger diameter wafers. AZM took every measure possible to make no changes to electrical and behavioral specifications nor have die area or bond pad locations been altered. However, peripheral ESD protection circuits have been enhanced and have resulted in improved ESD characteristics for all models, HBM, MM and CDM. The die ID of "LV16VR" above pad "A" was changed to "EL16VR" on the ZARLINK part at the same location.

QUALIFICATION STATUS: Process is qualified and in production at 10 FITs (55C and 60% confidence).

ELECTRICAL CHARACTERISTICS: No changes to specifications.

PACKAGE: NA