



## PRODUCT CHANGE NOTIFICATION

**Date:** June 30, 2006

**Subject:** PALC22V10L (LOW POWER) DIE CHANGE

**PCN:** 970027

**To:**

**Category:**

**Level:**

**CYPRESS part numbers affected:**

PALC22V10L (Low Power) all packages all speeds

**Customer part numbers affected:**

**Description of change:**

The metal one mask set was revised from 322 to 321 to improve yield for low power devices. The new mask connects options previously included in the design so that less power is consumed in the AND and OR logic arrays. There are no differences in the active area or pad connections. There is no change to the electrical performance. No changes will be made to the data sheet as a result of this change.

**Regina Morgan  
Business Process Manager**

*In order to meet your requirements we need you to review the above name and address and promptly notify us of any changes. We also welcome your comments.*



## PRODUCT CHANGE NOTIFICATION

**PCN: 970027**

**DATE: June 30, 2006**

**CYPRESS part numbers affected:**

PALC22V10L (Low Power) all packages all speeds

**Description of change:**

The metal one mask was revised from 322 to 321 to improve yield for low power devices. The new mask connects options previously included in the design so that less power is consumed in the AND and OR logic arrays. There are no differences in the active area or pad connections. There is no change to the electrical performance. No changes will be made to the data sheet as a result of this change.

**Benefit of change:**

This change will increase overall final test yields, allowing increased production resulting in overall improved deliveries.

**Qualification:** The 321 mask was previously qualified for this product. Qualification was accomplished by performing standard production and QA electrical tests, ESD, Latchup and yield analysis. All tests passed. This is a minor change. No formal qualification report is required.

**Qualification status: Complete**

**Approximate  
Implementation Date: Immediate**

---

**VP Quality & Reliability**

---

**VP Marketing & Sales**

If the cover letter indicates that your company is designated as "Category A or Category C" and there are current orders pending, this form must be signed and returned as soon as possible.

**If acceptance is not received, delays in shipment may occur.**

**Category C customers**

*If No response is received within 90 days change will be incorporated.*

**Category 'A' or Category 'C' customer:**

**Change accepted by:** \_\_\_\_\_ **Note: If Change Is Not Applicable To Your Facility Enter N/A**

**Print Name:** \_\_\_\_\_ **Company:** \_\_\_\_\_

**Title:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Fax signed approval to Regina Morgan at 408-943-2741.**

**For any additional information regarding this change, contact your local sales representative.**