

## Product Change Notice

Issue Date: 15 Sep 2010

### Change Type:

Product specification upgrade

### Parts Affected:

ACPL-P314-000E	ACPL-P314-500NE	ACPL-W314-000NE
ACPL-P314-060E	ACPL-P314-560NE	ACPL-W314-060NE
ACPL-P314-500E	ACPL-W314-000E	ACPL-W314-500NE
ACPL-P314-560E	ACPL-W314-060E	ACPL-W314-560NE
ACPL-P314-000NE	ACPL-W314-500E	QCPL-P304-560E
ACPL-P314-060NE	ACPL-W314-560E	QCPL-P304-000E

All associated options and specials will also be affected.

### Description and Extent of Change:

Output High Level Common Mode Transient Immunity  $ICM_H$  and Output Low Level Common Mode Transient Immunity  $ICM_L$  will be upgraded from 10kV/ $\mu$ s at  $V_{CM} = 1000V$  to 25kV/ $\mu$ s at  $V_{CM} = 1500V$ .

Output High Level Common Mode Transient Immunity $ICM_H$	Min.	Units	Test Conditions
Current Specification	10	kV/ $\mu$ s	$T_A = 25^\circ C$ , $V_{CM} = 1000V$ , $I_F = 8$ to $12mA$ , $V_{CC} = 30V$
New Specification	25	kV/ $\mu$ s	$T_A = 25^\circ C$ , $V_{CM} = 1500V$ , $I_F = 8$ to $12mA$ , $V_{CC} = 30V$

Output Low Level Common Mode Transient Immunity $ICM_L$	Min.	Units	Test Conditions
Current Specification	10	kV/ $\mu$ s	$T_A = 25^\circ C$ , $V_{CM} = 1000V$ , $V_F = 0V$ , $V_{CC} = 30V$
New Specification	25	kV/ $\mu$ s	$T_A = 25^\circ C$ , $V_{CM} = 1500V$ , $V_F = 0V$ , $V_{CC} = 30V$

### Reasons for Change:

Better laboratory testing equipment enable manufacturing to guarantee a higher common mode rejection (CMR) transient immunity value.

### Effect of Change on Fit, Form, Function, Quality, or Reliability:

All other remaining electrical specifications in datasheet and physical characteristics have not been changed. No changes have been made to the product design and manufacturing process. Appropriate electrical characterization and reliability qualification will be performed on representative products to ensure normal parametric distribution, consistent electrical performance, and reliability.

**Effective Date of Change:**

Implementation of the change will be effective from product date code 1051 (yyww).

**Qualification Data:**

Qualification data has been generated and approved.

---

These changes have been reviewed and approved by Avago Technologies engineers and managers per Avago Technologies procedure: Change Control and Customer Notification, A-5962-6052-80.

Please contact your Avago Technologies field sales engineer or Contact Center (<http://www.avagotech.com/contact/>) for any questions or support requirements. Please return any response as soon as possible, but not to exceed 30 days.