

## Product Change Notice

Issue Date: 26 Nov 2012

### Change Type:

1. Leadframe change
2. Datasheet specifications change

### Parts Affected:

ACPL-330J-000E	ACPL-333J-000E	QCPL-329J-000E	QCPL-327J-500E
ACPL-330J-500E	ACPL-333J-500E	QCPL-329J-500E	

All associated options and specials will also be affected.

### Description and Extent of Change:

1. Qualify stamped leadframe.
2. The maximum of Threshold Input Current Low to High will be changed from 8mA to 6mA.

Threshold Input Current Low to High	Symbol	Max.	Units	Test Conditions
Current Specification	$I_{FLH}$	8	mA	$I_O = 0 \text{ mA}$ , $V_O > 5V$
New Specification	$I_{FLH}$	6	mA	$I_O = 0 \text{ mA}$ , $V_O > 5V$

The Propagation Delay Difference between Two Parts will be changed from  $\pm 350\text{ns}$  to  $\pm 150\text{ns}$ .

Propagation Delay Difference between Two Parts	Symbol	Min.	Max.	Units	Test Conditions
Current Specification	$PDD(t_{PHL} - t_{PLH})$	-350	350	ns	$R_g=10\Omega$ , $C_g=10\text{nF}$ , $f=10\text{kHz}$ , Duty Cycle=50%, $I_F = 10 \text{ mA}$ , $V_{CC2} = 30 \text{ V}$
New Specification	$PDD(t_{PHL} - t_{PLH})$	-150	150	ns	$R_g=10\Omega$ , $C_g=10\text{nF}$ , $f=10\text{kHz}$ , Duty Cycle=50%, $I_F = 10 \text{ mA}$ , $V_{CC2} = 30 \text{ V}$

### Reasons for Change:

1. To improve production efficiency
2. To reflect the devices true performance.

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

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:

Leadframe change will be effective from product date code 1309 (yyww). Datasheet specifications change for  $I_{FLH}$  and PDD will take immediate effect.

**Qualification Data:**

Qualification data is currently being generated for approval. These changes will be reviewed and approved by Avago Technologies engineers and managers per Avago Technologies procedure.

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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.