



**PCN: V15-001-32002150-0A**

## Product Change Notice

**Issue Date: 21 Jan 2015**

### Change Type:

1. Change Detector IC from 5" to 8"
2. Add in Production IR reflow as part of manufacturing
3. Change to better silicone
4. Change to high reliability gold wire

### Parts Affected:

ACPL-782T		

All associated options and specials will also be affected.

### Description and Extent of Change:

1. Increase detector IC wafer size from 5" to 8". Fab closure for 5" IC wafer. 8" IC wafer is an industry standard
2. Add in Production IR reflow as part of manufacturing. Introduced in selected Avago products since Feb 2012. Reliability improvement initiatives in Manufacturing to achieve higher level of quality assurance
3. Change to higher grade silicone with better performance at very low temperature. Used in selected Avago products since year Jan 2010
4. Change to high reliability gold wire. Used in selected Avago products since Jan 2013

### Reasons for Change:

Change for long term assurance of supply and to achieve better manufacturing controls in raw piece-parts.

Change to higher reliability gold wire, silicone and addition of IR process as part of Avago's continuous reliability improvement initiatives.

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

All other remaining electrical specifications in datasheet and fit, form, function have not been changed. 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 tightened specification limits will be effective from product date code **1518** (yyww) inclusive, product marking **1518** (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.

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.