



**PCN: V11-002-32002150-0A**

## Product Change Notice

Issue Date: 1 Feb 2011

**Change Type:**

Increase wafer size

**Parts Affected:**

|           |           |
|-----------|-----------|
| HCPL-7860 | HCPL-786J |
| HCPL-7510 | HCPL-7520 |

All associated options and special part numbers will also be affected. See Appendix for full part number list.

**Description and Extent of Change:**

Migration from 5-inch to 8-inch IC wafer fab.

**Reasons for Change:**

5-inch wafer fab equipment obsolescence by IC wafer vendor.

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

The device specification will remain the same, which will ensure product electrical performance remains the same. Appropriate electrical characterization and reliability qualification have been performed on representative products to insure normal parametric distribution, consistent electrical performance, and reliability.

**Effective Date of Change:**

Product shipments using this change will begin with date-code starting from 1119 (yyww). However, timing of shipment of changed part will vary by part number depending on qualification completion, customer demand and inventory levels.

**Qualification Data:**

Qualification data has been generated and approved.

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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.

## APPENDIX

| Part Number     | Part Description                  |
|-----------------|-----------------------------------|
| HCPL-7860       | Isolated Modulator                |
| HCPL-7860#00Y   | Isolated Modulator                |
| HCPL-7860#300   | Isolated Modulator,SMD            |
| HCPL-7860#500   | Isolated Modulator,T/R            |
| HCPL-7860#50Y   | Isolated Modulator                |
| HCPL-7860-000E  | Isolated Modulator,LF             |
| HCPL-7860-000N  | Isolated Modulator                |
| HCPL-7860-000NE | Isolated Modulator,LF             |
| HCPL-7860-00GE  | Isolated Modulator,2XANL          |
| HCPL-7860-00GNE | Isolated Modulator,2XANL          |
| HCPL-7860-00YE  | Isolated Modulator, LF            |
| HCPL-7860-00YN  | Isolated Modulator                |
| HCPL-7860-00YNE | Isolated Modulator, LF            |
| HCPL-7860-300E  | Isolated Modulator,SMD+LF         |
| HCPL-7860-300N  | Isolated Modulator,SMD            |
| HCPL-7860-300NE | Isolated Modulator,SMD+LF         |
| HCPL-7860-500E  | Isolated Modulator,T/R+LF         |
| HCPL-7860-500N  | Isolated Modulator,T/R            |
| HCPL-7860-500NE | Isolated Modulator,T/R+LF         |
| HCPL-7860-50RE  | Isolated Modulator,T/R+LF         |
| HCPL-7860-50SE  | Isolated Modulator,T/R+LF+5RL     |
| HCPL-7860-50YE  | Isolated Modulator                |
| HCPL-7860-50YN  | Isolated Modulator                |
| HCPL-7860-50YNE | Isolated Modulator                |
| HCPL-7860-5FYE  | Isolated Modulator, T/R+LF        |
| HCPL-7860-5FYNE | Isolated Modulator, T/R+LF        |
| HCPL-786J       | Isolated Modulator                |
| HCPL-786J#500   | Isolated Modulator,T/R            |
| HCPL-786J-500E  | Isolated Modulator,T/R+LF         |
| HCPL-786J-500N  | Isolated Modulator,T/R            |
| HCPL-786J-500NE | Isolated Modulator,T/R+LF         |
| HCPL-786J-50RE  | Isolated Modulator,T/R+LF         |
| HCPL-786J-50SE  | Isolated Modulator,T/R+LF+5RL     |
| HCPL-786J-MLA   | IC OPTOCOUPLER                    |
| QCPL-7861-500E  | Isolated Modulator,T/R+LF         |
| QCPL-7862-500NE | Isolated Modulator,T/R+LF         |
| HCPL-7510       | Isolation Amp, singleend          |
| HCPL-7510-000E  | Isolation Amp,Singleend,LF        |
| HCPL-7510-000N  | Isolation Amp, singleend          |
| HCPL-7510-000NE | Isolation Amp,Singleend,LF        |
| HCPL-7510-060   | Isolation Amp, Singleend, IEC     |
| HCPL-7510-060E  | Isolation Amp,Singleend,IEC+LF    |
| HCPL-7510-060N  | Isolation Amp, Singleend, IEC     |
| HCPL-7510-060NE | Isolation Amp,Singleend,IEC+LF    |
| HCPL-7510-300   | Isolation Amp, singleend, SMD     |
| HCPL-7510-300E  | Isolation Amp,Singleend,SMD+LF    |
| HCPL-7510-300N  | Isolation Amp, singleend, SMD     |
| HCPL-7510-300NE | Isolation Amp,Singleend,SMD+LF    |
| HCPL-7510-360   | Isolation Amp, Singleend, SMD+IEC |

| Part Number     | Part Description                   |
|-----------------|------------------------------------|
| HCPL-7510-360E  | Isolation Amp,Singleend,SMD+IEC+LF |
| HCPL-7510-360N  | Isolation Amp, Singleend, SMD+IEC  |
| HCPL-7510-360NE | Isolation Amp,Singleend,SMD+IEC+LF |
| HCPL-7510-500   | Isolation Amp, singleend, T/R      |
| HCPL-7510-500E  | Isolation Amp,Singleend,T/R+LF     |
| HCPL-7510-500N  | Isolation Amp, singleend, T/R      |
| HCPL-7510-500NE | Isolation Amp,Singleend,T/R+LF     |
| HCPL-7510-560   | Isolation Amp, Singleend, T/R+IEC  |
| HCPL-7510-560E  | Isolation Amp,Singleend,T/R+IEC+LF |
| HCPL-7510-560N  | Isolation Amp, Singleend, T/R+IEC  |
| HCPL-7510-560NE | Isolation Amp,Singleend,T/R+IEC+LF |
| HCPL-7520       | Isolation Amp, singleend           |
| HCPL-7520-000E  | Isolation Amp,Singleend,LF         |
| HCPL-7520-000N  | Isolation Amp, singleend           |
| HCPL-7520-000NE | Isolation Amp,Singleend,LF         |
| HCPL-7520-060   | Isolation Amp, Singleend, IEC      |
| HCPL-7520-060E  | Isolation Amp, Singleend, IEC+LF   |
| HCPL-7520-060N  | Isolation Amp, Singleend, IEC      |
| HCPL-7520-060NE | Isolation Amp, Singleend, IEC+LF   |
| HCPL-7520-300   | Isolation Amp, singleend, SMD      |
| HCPL-7520-300E  | Isolation Amp, singleend, SMD+LF   |
| HCPL-7520-300N  | Isolation Amp, singleend, SMD      |
| HCPL-7520-300NE | Isolation Amp, singleend, SMD+LF   |
| HCPL-7520-360   | Isolation Amp, Singleend, SMD+IEC  |
| HCPL-7520-360E  | Isolation Amp,Singleend,SMD+IEC+LF |
| HCPL-7520-360N  | Isolation Amp, Singleend, SMD+IEC  |
| HCPL-7520-360NE | Isolation Amp,Singleend,SMD+IEC+LF |
| HCPL-7520-500   | Isolation Amp, singleend, T/R      |
| HCPL-7520-500E  | Isolation Amp,Singleend,T/R+LF     |
| HCPL-7520-500N  | Isolation Amp, singleend, T/R      |
| HCPL-7520-500NE | Isolation Amp,Singleend,T/R+LF     |
| HCPL-7520-560   | Isolation Amp, Singleend, T/R+IEC  |
| HCPL-7520-560E  | Isolation Amp,Singleend,T/R+IEC+LF |
| HCPL-7520-560N  | Isolation Amp, Singleend, T/R+IEC  |
| HCPL-7520-560NE | Isolation Amp,Singleend,T/R+IEC+LF |
| QCPL-751H-000E  | Isolation Amp,Singleend,LF         |
| QCPL-751H-060E  | Isolation Amp,Singleend,IEC+LF     |
| QCPL-751H-300E  | Isolation Amp,Singleend,SMD+LF     |
| QCPL-751H-360E  | Isolation Amp,Singleend,SMD+IEC+LF |
| QCPL-751H-500E  | Isolation Amp,Singleend,T/R+LF     |
| QCPL-751H-560E  | Isolation Amp,Singleend,T/R+IEC+LF |
| QCPL-752H-000E  | Isolation Amp,Singleend,LF         |
| QCPL-752H-060E  | Isolation Amp, Singleend, IEC+LF   |
| QCPL-752H-300E  | Isolation Amp, singleend, SMD+LF   |
| QCPL-752H-360E  | Isolation Amp,Singleend,SMD+IEC+LF |
| QCPL-752H-500E  | Isolation Amp,Singleend,T/R+LF     |
| QCPL-752H-560E  | Isolation Amp,Singleend,T/R+IEC+LF |