

Product Change Notice

Issue Date: 13 Jan 2011

Change Type:

Product specification upgrade

Parts Affected:

ACPL-330J	HCPL-314J	HCPL-788J
ACPL-331J	HCPL-315J	QCPL-324J
ACPL-332J	ACPL-785J	QCPL-325J
ACPL-333J	ACPL-796J	QCPL-327J
HCPL-316J	HCPL-786J	QCPL-789J

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

Description and Extent of Change:

- Maximum Working Insulation Voltage (V_{IORM}) will be upgraded from 891V_{peak} to 1230V_{peak}.

Maximum Working Insulation Voltage	Symbol	Characteristic	Unit
Current Specification	V_{IORM}	891	V _{peak}
New Specification	V_{IORM}	1230	V _{peak}

- Highest Allowable Overvoltage (V_{IOTM}) will be upgraded from 6000V_{peak} to 8000V_{peak}.

Highest Allowable Overvoltage	Symbol	Characteristic	Unit
Current Specification	V_{IOTM}	6000	V _{peak}
New Specification	V_{IOTM}	8000	V _{peak}

- Input-Output Momentary Withstand Voltage (V_{ISO}) will be upgraded from 3750V_{RMS} to 5000V_{RMS}.

Input-Output Momentary Withstand Voltage	Symbol	Min.	Units	Test Conditions
Current Specification	V_{ISO}	3750	V _{RMS}	RH<50%, t=1min., T _A =25°C
New Specification	V_{ISO}	5000	V _{RMS}	RH<50%, t=1min., T _A =25°C

Reasons for Change:

These changes allow customers to benefit from the upgraded V_{IORM} , V_{IOTM} and V_{ISO} for the affected parts.

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

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 1115 (yyww).

Qualification Data:

Qualification data has been generated and approved. Regulatory approvals from UL 1577 and DIN EN 60747-5-2 have been obtained.

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 Description	Affected Part Number
Gate drive Optocoupler	ACPL-330J-000E
	ACPL-330J-500E
	ACPL-331J-000E
	ACPL-331J-000NE
	ACPL-331J-500E
	ACPL-331J-500NE
	ACPL-332J-000E
	ACPL-332J-000NE
	ACPL-332J-500E
	ACPL-332J-500NE
	ACPL-333J-000E
	ACPL-333J-500E
	HCPL-316J
	HCPL-316J#500
	HCPL-316J-000E
	HCPL-316J-000N
	HCPL-316J-000NE
	HCPL-316J-500E
	HCPL-316J-500N
	HCPL-316J-500NE
	HCPL-316J-50GE
	HCPL-316J-50GNE
	HCPL-316J-50RE
	HCPL-314J
	HCPL-314J#500
	HCPL-314J-000E
	HCPL-314J-000N
	HCPL-314J-000NE
	HCPL-314J-500E
	HCPL-314J-500N
	HCPL-314J-500NE
	HCPL-314J-50GE
	HCPL-314J-50GNE
	HCPL-314J-50RE
	HCPL-315J
	HCPL-315J#500
	HCPL-315J-000E
	HCPL-315J-000N
	HCPL-315J-000NE
	HCPL-315J-500E
	HCPL-315J-500N
	HCPL-315J-500NE

Part Description	Affected Part Number
Gate drive Optocoupler	QCPL-324J-500E
	QCPL-324J-500NE
	QCPL-325J-000E
	QCPL-325J-000NE
	QCPL-325J-500E
	QCPL-325J-500NE
	QCPL-327J-500E
Miniature Analog Isolation Amplifier	ACPL-785J-060E
	ACPL-785J-560E
	ACPL-785J-000E
	ACPL-785J-500E
	ACPL-796J-000E
	ACPL-796J-500E
	ACPL-796J-060E
	ACPL-796J-560E
	HCPL-786J
	HCPL-786J#500
	HCPL-786J-000E
	HCPL-786J-000N
	HCPL-786J-000NE
	HCPL-786J-500E
	HCPL-786J-500N
	HCPL-786J-500NE
	HCPL-786J-50RE
	HCPL-786J-50SE
	HCPL-788J
	HCPL-788J#500
	HCPL-788J-000E
	HCPL-788J-000N
	HCPL-788J-000NE
	HCPL-788J-500E
	HCPL-788J-500N
	HCPL-788J-500NE
	HCPL-788J-50RE
	QCPL-789J
	QCPL-789J#500
	QCPL-789J-000N
	QCPL-789J-500E
	QCPL-789J-500N
	QCPL-789J-500NE