



## Product Obsolescence Notification

Issue Date: 1<sup>st</sup> May 2009

OBS050109OPD1

Dear Customer,

Avago Technologies regrets to announce the obsolescence of a number of products, which are segregated into the following categories:-

Category 1: No Last Time Buy (LTB) and Last Time Ship (LTS)

Category 2: 1 Month LTB + 3 Months LTS

Category 3: 3 Months LTB + 3 Months LTS

Category 4: 6 Months LTB + 3 Months LTS

Part numbers are listed in the Appendix. Please note that orders for products from Category 2-4 will be accepted on a non-cancelable, non-returnable basis only. Avago Technologies reserves the right to limit last time buy quantities based on capacity and material availability.

You are strongly encouraged to switch to the recommended replacement parts stated above and Avago Technologies is willing to provide free samples of these parts for customer evaluation. Please take note that the recommended replacement parts may or may not be drop-in replacement; they may be the closest replacement available.

If you have any questions about this obsolescence, please do not hesitate to contact your local Avago Technologies sales representative or authorized distributors.

**Optoelectronic Products Division**  
**Avago Technologies**

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Please contact your Avago Technologies field sales engineer or Contact Center (<http://www.avagotech.com/contact/>) for any questions or support requirements.

## APPENDIX – Part Number Listings

### Category 1: No Last Time Buy (LTB) and Last Time Ship (LTS)

Products will be obsoleted immediately on May 1, 2009. There will be no last time buy offered.

<b>Part Number</b>	<b>Part Description</b>	<b>Replacement Part</b>
HLMP-AD30-UX000	Lamp,5mm,Mid-Pwr,Red2,30X70deg	HLMP-AG66-120DD
HLMP-AD31-UX0DD	Lamp,5mm,Mid-Pwr,Red2,30X70deg	HLMP-AG64-X10DD
HLMP-AL30-TW000	Lamp,5mm,Mid-Pwr,Amb,30X70deg	HLMP-AL64-23KDD
HLMP-AL31-TW000	Lamp,5mm,Mid-Pwr,Amb,30X70deg	HLMP-AL62-WZ0DD
HLMP-AL31-VWLDD	Lamp,5mm,Mid-Pwr,Amb,30X70deg	HLMP-AL62-WZ0DD
HLMP-AM60-12BZZ	Lamp,5mm,InGaN,Grn,30X70deg	HLMP-AM64-34BZZ
HLMP-AM61-Z30ZZ	Lamp,5mm,InGaN,Grn,30X70deg	HLMP-AM65-140ZZ
HLMP-BD16-NP0DD	Lamp,5mm,AllnGaP2,Red,30X70deg	HLMP-AG65-X10DD
HLMP-CB15-P0000	Lamp,5mm,InGaN,Blue,15deg	HLMP-CB13-UX000
HLMP-CB15-R0000	Lamp,5mm,InGaN,Blue,15deg	HLMP-CB13-UX000
HLMP-CB16-QT0DD	Lamp,5mm,InGaN,Blue,15deg	HLMP-CB14-UX0DD
HLMP-CB30-K0000	Lamp,5mm,InGaN,Blue,30deg	HLMP-CB34-R0000
HLMP-CB30-PQCDD	Lamp,5mm,InGaN,Blue,30deg	HLMP-CB34-STCDD
HLMP-CE11-X1000	Lamp,5mm,InGaN,Cyan,15deg	HLMP-CE13-Z2CDD
HLMP-CE12-X10DD	Lamp,5mm,InGaN,Cyan,15deg	HLMP-CE13-Z2CDD
HLMP-CE30-SVC00	Lamp,5mm,InGaN,Cyan,30deg	HLMP-CE34-WYCDD
HLMP-CE31-SVCDD	Lamp,5mm,InGaN,Cyan,30deg	HLMP-CE34-WYCDD
HLMP-CE36-VYCDD	Lamp,5mm,InGaN,Cyan,30deg	HLMP-CE34-WYCDD
HLMP-CE36-WZ000	Lamp,5mm,InGaN,Cyan,30deg	HLMP-CE34-WYCDD
HLMP-CE36-WZPDD	Lamp,5mm,InGaN,Cyan,30deg	HLMP-CE34-WYCDD
HLMP-CM12-Y2CDD	Lamp,5mm,InGaN,Grn,15deg	HLMP-CM14-Z1CDD
HLMP-CM15-WXBDD	Lamp,5mm,InGaN,Grn,15deg	HLMP-CM13-Z30DD
HLMP-CM16-VY0DD	Lamp,5mm,InGaN,Grn,15deg	HLMP-CM14-Z30DD
HLMP-CM26-X1000	Lamp,5mm,InGaN,Grn,23deg	HLMP-CM22-X1000
HLMP-CM36-XYCDD	Lamp,5mm,InGaN,Grn,30deg	HLMP-CM34-XYCDD
HLMP-CM37-XYCDD	Lamp,5mm,InGaN,Grn,30deg	HLMP-CM35-XYCDD
HLMP-CW11-X1000	Lamp,5mm,InGaN,White,15deg	N/A
HLMP-CW11-Z1BDD	Lamp,5mm,InGaN,White,15deg	N/A
HLMP-CW12-YZB00	Lamp,5mm,InGaN,White,15deg	N/A
HLMP-CW15-TW000	Lamp,5mm,InGaN,White,15deg	N/A
HLMP-CW15-VY000	Lamp,5mm,InGaN,White,15deg	N/A
HLMP-CW15-VY0DD	Lamp,5mm,InGaN,White,15deg	N/A
HLMP-CW16-R0000	Lamp,5mm,InGaN,White,15deg	N/A
HLMP-CW26-WX000	Lamp,5mm,InGaN,White,23deg	N/A
HLMP-CW30-PS000	Lamp,5mm,InGaN White,30deg	N/A
HLMP-CW30-STBDD	Lamp,5mm,InGaN White,30deg	N/A
HLMP-CW36-UX000	Lamp,5mm,InGaN,White,30deg	N/A
HLMP-CW36-VW000	Lamp,5mm,InGaN,White,30deg	N/A
HLMP-CW37-VW000	Lamp,5mm,InGaN,White,30deg	N/A
HLMP-CW37-VW0DD	Lamp,5mm,InGaN,White,30deg	N/A
HLMP-CW46-RU000	Lamp,5mm,InGaN,White,50deg	N/A
HLMP-CW76-RSBDD	Lamp,5mm,InGaN,White,70deg	N/A
HLMP-CW77-QT000	Lamp,5mm,InGaN,White,70deg	N/A
HLMP-ED31-QT000	Lamp,5mm,AllnGaP2,Red,30deg	HLMP-EG3A-WX0DD
HLMP-ED31-ST000	Lamp,5mm,AllnGaP2,Red,30deg	HLMP-EG3A-WX0DD
HLMP-ED31-SUTDD	Lamp,5mm,AllnGaP2,Red,30deg	HLMP-EG3A-WX0DD
HLMP-ED33-QTT00	Lamp,5mm,AllnGaP2,Red,30deg	HLMP-EG3B-WX0DD

Part Number	Part Description	Replacement Part
HLMP-ED80-KN000	Lamp,5mm,AllnGaP2,Red,30deg	HLMP-ED80-PS000
HLMP-EH16-TW000	Lamp,5mm,AllnGaP2,RedOrg,15deg	HLMP-EH13-VY0DD
HLMP-EH25-SV000	Lamp,5mm,AllnGaP2,RedOrg,23deg	HLMP-EH22-TW000
HLMP-EH31-QT000	Lamp,5mm,AllnGaP2,RedOrg,30deg	HLMP-EH35-SV0DD
HLMP-EL18-XYK00	Lamp,5mm,AllnGaP2,Amb,15deg	HLMP-EL1B-Z1KDD
HLMP-EL25-TW4DD	Lamp,5mm,AllnGaP2,Amb,23deg	HLMP-EL2A-XYKDD
HLMP-EL31-TUK00	Lamp,5mm,AllnGaP2,Amb,30deg	HLMP-EL3A-WXKDD
HLMP-EL33-SUSDD	Lamp,5mm,AllnGaP2,Amb,30deg	HLMP-EG3B-VW0DD
HLMP-EL33-SV000	Lamp,5mm,AllnGaP2,Amb,30deg	HLMP-EL3B-WXKDD
HLMP-HB55-JKCDD	Lamp,5mm,InGaN,Blue,40X100deg	HLMP-HB64-QRCZZ
HLMP-HB63-QU0ZZ	Lamp,5mm,InGan,Blue,40x100deg	HLMP-HB65-QU0ZZ
HLMP-HB64-QRCZZ	Lamp,5mm,InGaN,Blue,40X100deg	HLMP-HB65-STCDD
HLMP-HB65-NS0ZZ	Lamp,5mm,InGaN,Blue,40X100deg	HLMP-HB65-STCDD
HLMP-HB65-QRBZZ	Lamp,5mm,InGaN,Blue,40X100deg	HLMP-HB65-STCDD
HLMP-HB65-QRCDD	Lamp,5mm,InGaN,Blue,40X100deg	HLMP-HB65-STCDD
HLMP-HB65-QRCZZ	Lamp,5mm,InGaN,Blue,40X100deg	HLMP-HB65-STCDD
HLMP-HD30-SV000	Lamp,5mm,Mid-Pwr,Red2,40X100deg	HLMP-HG64-VY0DD
HLMP-HD31-SV000	Lamp,5mm,Mid-Pwr,Red2,40X100deg	HLMP-EG3A-VW0DD
HLMP-HD56-MNTDD	Lamp,5mm,AllnGaP2,Red,40X100deg	HLMP-HG65-VY0DD
HLMP-HD61-TUTZZ	Lamp,5mm,AllnGaP2,Red,40X100deg	HLMP-HG65-VY0DD
HLMP-HL30-RU000	Lamp,5mm,Mid-Pwr,Amb,40X100deg	HLMP-HG64-VY0DD
HLMP-HL31-RU000	Lamp,5mm,Mid-Pwr,Amb,40X100deg	HLMP-HL62-TX0DD
HLMP-HL56-NPYDD	Lamp,5mm,AllnGaP2,Amb,40X100deg	HLMP-HL62-TX0DD
HLMP-HM63-Y30ZZ	Lamp,5mm,InGaN,Grn,40X100deg	HLMP-HM65-Y30ZZ
HLMP-HM64-YZCZZ	Lamp,5mm,InGaN,Grn,40X100deg	HLMP-HM65-12CDD
HLMP-HM65-XYCZZ	Lamp,5mm,InGaN,Grn,40X100deg	HLMP-HM65-12CDD
HLMP-HM65-Y1CZZ	Lamp,5mm,InGaN,Grn,40X100deg	HLMP-HM65-12CDD
HLMP-HM65-YZBZZ	Lamp,5mm,InGaN,Grn,40X100deg	HLMP-HM65-12CDD
HLMP-HM65-YZCDD	Lamp,5mm,InGaN,Grn,40X100deg	HLMP-HM65-12CDD
HLMP-HM65-YZCZZ	Lamp,5mm,InGaN,Grn,40X100deg	HLMP-HM65-12CDD
QDSM-706G	N-Module,GaP Grn,CA,T/S Black	N/A
QDSP-399G	S4,PCB,10mm Slim Font,Grn,CA	QDSP-398G
QLMP-CB81-STCDD	Lamp,5mm,InGaN,Blue,30deg	HLMP-CB34-RSC00
QLMP-ED46-TU0FE	Lamp,5mm,AllnGaP2,Red,23deg	HLMP-EL2A-XYKDD
QLMP-ED87-KNT00	Lamp,5mm,AllnGaP2,Red,30deg	HLMP-ED80-PST00
QLMP-EL86-VWRDD	Lamp,5mm,AllnGaP2,Amb,23deg	HLMP-EL2B-XYKDD
QLMP-EL95-UW0DD	Lamp,5mm,AllnGaP2,Amb,23deg	HLMP-EL2A-XYKDD
QLMP-LB95-MS0ZZ	Lamp,4mm,InGaN,Blue,50X100deg	HLMP-LB65-RU0ZZ
QLMP-LD94-NN0DD	Lamp,4mm,AllnGaP2,Red,50X100deg	QLMP-LG95-WX0DD
QLMP-LG95-WW0DD	Lamp,4mm,AllnGaP,Red,50X100deg	QLMP-LG95-WX0DD
QLMP-LM95-VZ0ZZ	Lamp,4mm,InGaN,Grn,50X100deg	HLMP-LM65-Y30ZZ
QLMP-RL49-LN0DD	Lamp,4mm,AllnGaP2,Amb,60X120deg	HLMP-RL20-MP0DD
QSMF-A367-FP9J1	PLCC4,Top Mt,Triclr,Red/Grn/Blue	ASMT-QTB0-0AA02

**Category 2: 1 Month LTB + 3 Months LTS**

- Final customer order date by June 30<sup>th</sup>, 2009
- Final ship date to customers by September 30<sup>th</sup>, 2009

Part Number	Part Description	Replacement Part
HLMP-ED16-VX000	Lamp,5mm,AlInGaP2,Red,15deg	HLMP-ED16-WZ0DD
HLMP-ED57-LP000	Lamp,5mm,AlInGaP2,Red,55deg	HLMP-ED57-PST00
HLMP-ED57-LP0DD	Lamp,5mm,AlInGaP2,Red,55deg	HLMP-ED57-PSTDD
HLMP-EL57-LP000	Lamp,5mm,AlInGaP2,Amb,55deg	HLMP-EL57-NRR00
HLMP-EL57-LP0DD	Lamp,5mm,AlInGaP2,Amb,55deg	HLMP-EL57-NRRDD

**Category 3: 3 Months LTB + 3 Months LTS**

- Final customer order date by August 31<sup>st</sup>, 2009
- Final ship date to customers by November 30<sup>th</sup>, 2009

Part Number	Part Description	Replacement Part
ASMT-QGBE-NEG0E	PLCC4,MPWR,T/Mt,0.5W,InGaN,Grn	ASMT-QGBE-NFH0E
HDSM-450G	S4,Module,0.4in,2Digit,Grn	N/A
HDSM-451G	S4,Module,0.4in,2Digit,Grn	N/A
HDSP-B573	S4,5X7,2.09in,Biclr,HER/Grn,CC	N/A
HDSP-H571	S4,5X7,2.09in,HER,CA	N/A
HDSP-H573	S4,5X7,2.09in,HER,CC	N/A
HLMP-AL62-UX0DD	Lamp,5mm,AlInGaP,Amb,30x70deg	HLMP-AL62-X10DD
HLMP-AL62-UX0YY	Lamp,5mm,AlInGaP,Amb,30X70deg	HLMP-AL62-X10DD
HLMP-AL62-UX0ZZ	Lamp,5mm,AlInGaP,Amb,30X70deg	HLMP-AL62-X10DD
HLMP-AL62-WXKZZ	Lamp,5mm,AlInGaP,Amb,30X70deg	HLMP-AL62-X10DD
HLMP-AL63-UX0DD	Lamp,5mm,AlInGaP,Amb,30X70deg	HLMP-AL63-X10DD
HLMP-AL63-UX0YY	Lamp,5mm,AlInGaP,Amb,30X70deg	HLMP-AL63-X10DD
HLMP-AL63-UX0ZZ	Lamp,5mm,AlInGaP,Amb,30X70deg	HLMP-AL63-X10DD
HLMP-AL63-VX0DD	Lamp,5mm,AlInGaP,Amb,30x70deg	HLMP-AL63-X10DD
HLMP-CM13-Z10DD	Lamp,5mm,InGaN,Grn,15deg	HLMP-CM13-Z30DD
HLMP-CM13-Z1B00	Lamp,5mm,InGaN,Grn,15deg	HLMP-CM13-Z30DD
HLMP-CM13-Z1C00	Lamp,5mm,InGaN,Grn,15deg	HLMP-CM13-Z30DD
HLMP-CM13-Z1CDD	Lamp,5mm,InGaN,Grn,15deg	HLMP-CM13-Z30DD
HLMP-CM14-Z1C00	Lamp,5mm,InGaN,Grn,15deg	HLMP-CM14-Z30DD
HLMP-CM14-Z1CDD	Lamp,5mm,InGaN,Grn,15deg	HLMP-CM14-Z30DD
HLMP-ED16-VXT00	Lamp,5mm,AlInGaP2,Red,15deg	HLMP-ED16-WZ0DD
HLMP-ED16-VXTDD	Lamp,5mm,AlInGaP2,Red,15deg	HLMP-ED16-WZ0DD
HLMP-ED16-WW000	Lamp,5mm,AlInGaP2,Red,15deg	HLMP-ED16-WZ0DD
HLMP-ED18-TW000	Lamp,5mm,AlInGaP2,Red,15deg	HLMP-EG1B-Z10DD
HLMP-ED18-TW0DD	Lamp,5mm,AlInGaP2,Red,15deg	HLMP-EG1B-Z10DD
HLMP-ED18-TWT00	Lamp,5mm,AlInGaP2,Red,15deg	HLMP-EG1B-Z10DD
HLMP-ED18-UXT00	Lamp,5mm,AlInGaP2,Red,15deg	HLMP-EG1B-Z10DD
HLMP-ED18-VX0DD	Lamp,5mm,AlInGaP2,Red,15deg	HLMP-EG1B-Z10DD
HLMP-ED18-WX000	Lamp,5mm,AlInGaP2,Red,15deg	HLMP-EG1B-Z10DD
HLMP-ED18-WX0DD	Lamp,5mm,AlInGaP2,Red,15deg	HLMP-EG1B-Z10DD
HLMP-ED18-WXTDD	Lamp,5mm,AlInGaP2,Red,15deg	HLMP-EG1B-Z10DD
HLMP-ED25-RUT00	Lamp,5mm,AlInGaP2,Red,23deg	HLMP-ED25-TWT00
HLMP-ED25-SV000	Lamp,5mm,AlInGaP2,Red,23deg	HLMP-ED25-TWT00
HLMP-ED25-SV0DD	Lamp,5mm,AlInGaP2,Red,23deg	HLMP-ED25-TWT00
HLMP-ED25-TU0DD	Lamp,5mm,AlInGaP2,Red,23deg	HLMP-ED25-TWT00
HLMP-ED80-MP000	Lamp,5mm,AlInGaP2,Red,30deg	HLMP-ED80-PS000

Part Number	Part Description	Replacement Part
HLMP-EH16-UX0DD	Lamp,5mm,AlInGaP2,RedOrg,15deg	HLMP-EH12-YZ0DD
HLMP-EH16-VX0DD	Lamp,5mm,AlInGaP2,RedOrg,15deg	HLMP-EH12-YZ0DD
HLMP-EH18-UX000	Lamp,5mm,AlInGaP2,RedOrg,15deg	HLMP-EH13-VY0DD
HLMP-EH18-UX0DD	Lamp,5mm,AlInGaP2,RedOrg,15deg	HLMP-EH13-VY0DD
HLMP-EH18-WX0DD	Lamp,5mm,AlInGaP2,RedOrg,15deg	HLMP-EH13-VY0DD
HLMP-EH25-QT000	Lamp,5mm,AlInGaP2,RedOrg,23deg	HLMP-EH22-TW000
HLMP-EH25-TW000	Lamp,5mm,AlInGaP2,RedOrg,23deg	HLMP-EH22-TW000
HLMP-EH25-TW0DD	Lamp,5mm,AlInGaP2,RedOrg,23deg	HLMP-EH22-TW000
HLMP-EH31-SV0DD	Lamp,5mm,AlInGaP2,RedOrg,30deg	HLMP-EH35-SV0DD
HLMP-EH31-SVTDD	Lamp,5mm,AlInGaP2,RedOrg,30deg	HLMP-EH35-SV0DD
HLMP-EH31-TWTDD	Lamp,5mm,AlInGaP2,RedOrg,30deg	HLMP-EH35-SV0DD
HLMP-EH31-UV0DD	Lamp,5mm,AlInGaP2,RedOrg,30deg	HLMP-EH35-SV0DD
HLMP-EH31-UVZDD	Lamp,5mm,AlInGaP2,RedOrg,30deg	HLMP-EH35-SV0DD
HLMP-EH31-VW0DD	Lamp,5mm,AlInGaP2,RedOrg,30deg	HLMP-EH35-SV0DD
HSMF-A201-HZDJ1	PLCC4,Top Mt,Biclr,HER/Ygrn	N/A
HSMF-A223-TM0J1	PLCC4,Top Mt,Biclr,Red/YGrn	N/A
HSMF-A241-A00J1	PLCC4,Top Mt,Biclr,HER/Grn	N/A
HSMF-A342-A00J1	PLCC4,Top Mt,Triclr,ROrg/Grn/Blue	N/A
HSMG-A100-K42H2	PLCC2,Top Mt,GaP,Grn	N/A
HSMH-A100-P30J1	PLCC2,Top Mt,AlGaAs	HSMH-A100-N30J1
HSMM-A101-R7PJ1	PLCC2,Top Mt,InGaN,Grn	HSMM-A101-R8PJ1
HSMM-A160-T2WJ1	PLCC2,Top Mt,Black,InGaN,Grn	HSMM-A160-S00J1
QDSM-714G	Tobasco Module,0.43S,GaP Grn,CA	N/A
QDSP-398G	S4,PCB,10mm Slim Font,Grn,CA	N/A
QSMF-A237-JN0M2	PLCC4,Top Mt,Amber/ROrg	N/A
QSMF-A239-A00J1	PLCC4,Top Mt,Amber/Green	N/A
QSMF-A253-G0MJ1	PLCC4,Top Mt,Black,Biclr,HER/Grn	N/A
QSMM-A137-R7PJ1	PLCC2,Top Mt,InGaN,Grn	N/A
QSMT-PATA-SAB05	PLCC4 SK1,120VA,AlInGaP,Amb	QSMT-PAB4-AAC05
QSMT-PATA-SBB05	PLCC4 SK1,120VA,AlInGaP,Rorg	N/A
QSMT-PHTA-SAB05	PLCC4 SK1,120VA,AlInGaP,Rorg	QSMT-PHB4-AAC05
QSMT-PHTA-SBB05	PLCC4 SK1,120VA,AlInGaP,Rorg	N/A
QSMT-PSTA-S0B05	PLCC4 SK1,120VA,AlInGaP,SRed	N/A

**Category 4: 6 Months LTB + 3 Months LTS**

- Final customer order date by November 30<sup>th</sup>, 2009
- Final ship date to customers by February 28<sup>th</sup>, 2010

Part Number	Part Description	Replacement Part
HLMP-ED33-QT000	Lamp,5mm,AlInGaP2,Red,30deg	HLMP-EG3B-WX0DD
HLMP-ED80-KNT00	Lamp,5mm,AlInGaP2,Red,30deg	HLMP-ED80-PST00
HLMP-ED80-KP000	Lamp,5mm,AlInGaP2,Red,30deg	HLMP-ED80-PS000
HLMP-EL16-UX000	Lamp,5mm,AlInGaP2,Amb,15deg	HLMP-EL1A-Z1KDD
HLMP-EL16-UX0DD	Lamp,5mm,AlInGaP2,Amb,15deg	HLMP-EL1A-Z1KDD
HLMP-EL25-TWKDD	Lamp,5mm,AlInGaP2,Amb,23deg	HLMP-EL2A-XYKDD
HLMP-EL27-SVRDD	Lamp,5mm,AlInGaP2,Amb,23deg	HLMP-EL2B-XYKDD
HLMP-EL27-TWRDD	Lamp,5mm,AlInGaP2,Amb,23deg	HLMP-EL2B-XYKDD
HLMP-EL27-VWRDD	Lamp,5mm,AlInGaP2,Amb,23deg	HLMP-EL2B-XYKDD
HLMP-EL31-QT0DD	Lamp,5mm,AlInGaP2,Amb,30deg	HLMP-EL3A-WXKDD
HLMP-EL31-TUYDD	Lamp,5mm,AlInGaP2,Amb,30deg	HLMP-EL3A-VWKDD
HLMP-EL58-LP0DD	Lamp,5mm,AlInGaP2,Amb,55deg	HLMP-EL57-NRR00
HLMP-Y802-JPP00	Lamp,3mm,AlInGaP,Grn	HLMP-Y802-F0000