



Product Obsolescence Notification

Issue Date: 4th January 2010

OBS0104100PD2

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)

Category 2: 3 Months LTB

Category 3: 6 Months LTB

Part numbers are listed in the Appendix. Please note that orders for products from Category 2-3 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

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)

Products will be obsoleted immediately on January 4, 2010. There will be no last time buy offered.

Part Number	Part Description	Replacement Part
HLMP-AM60-Z30ZZ	Lamp,5mm,InGaN,Grn,30X70deg	HLMP-AM64-140ZZ
HLMP-CB30-M0000	Lamp,5mm,InGaN,Blue,30deg	HLMP-CB34-R0000
HLMP-CM11-Z1CDD	Lamp,5mm,InGaN,Grn,15deg	HLMP-CM13-Z30DD
HLMP-CM30-S0000	Lamp,5mm,InGaN,Grn,30deg	HLMP-CM34-X1000
HLMP-CM36-X10DD	Lamp,5mm,InGaN,Grn,30deg	HLMP-CM34-X10DD
HLMP-CW11-Y1B00	Lamp,5mm,InGaN,White,15deg	N/A
HLMP-CW46-STBDD	Lamp,5mm,InGaN,White,50deg	N/A
HLMP-EL25-TW0DD	TS Amber 23 deg	HLMP-EL2A-XYKDD
HSMN-A101-S00J1	PLCC2,Top Mt,InGaN,Grn	HSMN-A100-S00J1
HSMN-A161-R00J1	PLCC2,Top Mt,Black, InGaN,Grn	HSMN-A160-S00J1
QSMT-MW13-NJJJ0	MS,1W,Cool White	N/A
QSMT-MW15-NKKZ0	MS,1W,Cool White	N/A
QSMW-A1C9-M50L2	PLCC2,Top Mt,White	N/A

Category 2: 3 Months LTB

- Final customer order date by March 30th, 2010
- Final ship date to customers by October 31st, 2010

Part Number	Part Description	Replacement Part
HSMN-A101-N00H1	PLCC2,Top Mt,InGaN,Blue	HSMN-A101-P00H1
HSMN-A101-P00J1	PLCC2,Top Mt,InGaN,Blue	HSMN-A100-R00J1
HSMW-A101-R50J1	PLCC2,Top Mt,White	HSMW-A100-U40J1
QSMN-A115-R8PJ1	PLCC2,Top Mt,InGaN,Grn	HSMN-A100-U4PJ1
QSMN-A125-N8BJ1	PLCC2,Top Mt,InGaN,Blue	N/A

Category 3: 6 Months LTB

- Final customer order date by June 30th, 2010
- Final ship date to customers by January 31st, 2011

Part Number	Part Description	Replacement Part
5082-7663-D0B00	S4,0.43in,Yel,CC,T/S Yel	5082-7663
ASMT-QYBE-NEGEE	PLCC4,MPWR,T/Mt,0.5W,InGaN,WWht	ASMT-QYBC-NGJEE
HCMS-2976	5X7 SmartDisp 8Char .2in,GaN Blue	N/A
HDSP-4916	L-Bar,Array,1inL X .4inW,HER	HDSP-4830-GH000
HDSP-4917	L-Bar,Array,1inL X .4inW,Grn	HDSP-4850-HI000
HDSP-501B	S4,PCB,0.56S Blue,CA	N/A
HDSP-503B	S4,PCB,0.56S Blue,CC	N/A
HDSP-H413-FG026	S4,0.56S,Org,CC,T/S Black	HDSP-H413
HDSP-K123-DE000	S4,0.56D,AIGaAs,CC	HDSP-K123
HLCP-D100-BC000	L-Bar,.4inL X .4inW,AIGaAs,Dual	HLCP-D100
HLMA-PL00-PRR31	Poly,Ftop,AllnGaP,Yel,Z,T/R	HLMA-PL00-N0031
HLMA-QL00-TVK11	Poly,Dome,AllnGaP,Yel,GW,T/R	HLMA-QL00-S0011

Part Number	Part Description	Replacement Part
HLMP-1440-HI000	Lamp,3mm,GaP,Yel	HLMP-1440
HLMP-1503-DE002	Lamp,3mm,GaP, Grn	HLMP-1503-D0002
HLMP-2316	L-Bar,.4inL X .195inW,Red,LongLead	N/A
HLMP-2416	L-Bar,.4inL X .195inW,Yel,LongLead	N/A
HLMP-3301-FI0CA	Lamp,5mm,GaP,Red	HLMP-3301-F00DD
HLMP-3351-F0002	Lamp,5mm,GaP,Red	HLMP-3351-D0002
HLMP-3401-EF000	Lamp,5mm,GaP,Yel	HLMP-3401
HLMP-3681-B0001	Lamp,5mm,12V RLED,25m,GaP,Grn	HLMP-3681-B0000
HLMP-6505-L001S	Poly,Dome,GaP,Grn,R/bend	N/A
HLMP-6700-G0011	Poly,Dome,RLED,GaP,Yel,GW,T/R	N/A
HLMP-AL11-NR000	Lamp,5mm,AlInGaP,Amb,30X70deg	HLMP-AL63-U0000
HLMP-C325-P00CA	Lamp,5mm,AlInGaP,605nm Org	N/A
HLMP-CE13-Z2CDD	Lamp,5mm,InGaN,Cyan,15deg	HLMP-CE13-35CDD
HLMP-CE13-Z2QDD	Lamp,5mm,InGaN,Cyan,15deg	HLMP-CE13-35QDD
HLMP-CE14-Z2CDD	Lamp,5mm,InGaN,Cyan,15deg	HLMP-CE14-35CDD
HLMP-CE14-Z2CZZ	Lamp,5mm,InGaN,Cyan,15deg	HLMP-CE14-35CDD
HLMP-CE14-Z2QDD	Lamp,5mm,InGaN,Cyan,15deg	HLMP-CE14-35QDD
HLMP-CE22-XZCDD	Lamp,5mm,InGaN,Cyan,23deg	HLMP-CE22-Z2CDD
HLMP-CE22-XZQDD	Lamp,5mm,InGaN,Cyan,23deg	HLMP-CE22-Z2QDD
HLMP-CE25-XZCDD	Lamp,5mm,InGaN,Cyan,23deg	HLMP-CE25-Z2CDD
HLMP-CE25-XZQDD	Lamp,5mm,InGaN,Cyan,23deg	HLMP-CE25-Z2QDD
HLMP-CE34-WYCDD	Lamp,5mm,InGaN,Cyan,30deg	HLMP-CE34-Y1CDD
HLMP-CE34-WYQDD	Lamp,5mm,InGaN,Cyan,30deg	HLMP-CE34-Y1QDD
HLMP-CE35-WYQDD	Lamp,5mm,InGaN,Cyan,30deg	HLMP-CE35-Y1QDD
HLMP-D101-J00B2	Lamp,5mm,AlGaAs	HLMP-D101
HLMP-D105-NO000	Lamp,5mm,25m,AlGaAs,Standoffs	HLMP-D105
HLMP-D155-F0001	Lamp,5mm,LC,25m,AlGaAs (Smooth)	HLMP-D155
HLMP-D401-FI0UT	Lamp,5mm,GaP,Org	HLMP-D401
HLMP-DB25-B0002	Lamp,5mm,GaN,466nm Blue	HLMP-DB25-B00DD
HLMP-K640-D00EG	Lamp,3mm,GaP,E-Grn	HLMP-K640
HLMP-KB45-A0002	Lamp,3mm,GaN,466nm Blue	HLMP-KB45-A0000
HLMP-N405#002	Lamp,3mm,GaP,Org	N/A
HLMP-NJ01	Lamp,3mm,45deg,AlInGaP,Org	N/A
HLMP-NS30-H0000	Lamp,3mmAutoinsert,InGaN,470nmBlue	HLMP-NS30-J0000
HLMP-NS30-LN000	Lamp,3mmAutoinsert,InGaN,470nmBlue	HLMP-NS30-J0000
HLMP-NS30-LNG00	Lamp,3mmAutoinsert,InGaN,470nmBlue	HLMP-NS30-J0000
HLMP-NS30-MN0DD	Lamp,3mmAutoinsert,InGaN,470nmBlue	HLMP-NS30-J00DD
HLMP-P102-F0032	Poly,Ftop,AS AlGaAs,Z	N/A
HLMP-P202	Poly,Ftop,GaP,HER	N/A
HLMP-P305-F0000	Poly,Ftop,GaP,Yel	N/A
HLMP-P405-F0012	Poly,Ftop,GaP,Org,GW	N/A
HLMP-PB00-PQ000	Poly,Ftop,InGaN,Blue	HLMP-PB00-PR000
HLMP-PM00-TUC11	Poly,Ftop,InGaN,Grn,GW,T/R	N/A
HLMP-Q400-F0010	Poly,Dome,GaP,Org,Rt Hse	N/A
HLMP-SL10-LM0DD	Lamp,4mm,AlInGaP,Amb,60X120deg	HLMP-SL20-MP0DD
HLMP-SL10-LPKDD	Lamp,4mm,AlInGaP,Amb,60X120deg	HLMP-SL20-MP0DD
HSMA-A100-K8PL2	PLCC2,Top Mt,AlInGaP,Amb	N/A
HSMA-A161-Q7WJ2	PLCC2,Top Mt,AlInGaP,Amb	N/A
HSMA-A411-U4PM1	PLCC4,PWR,T/Mt,B,120VA,AlInGaP,Amb	N/A
HSMA-A431-Y50M1	PLCC4,PWR,T/Mt,30VA,AlInGaP,Amb	HSMA-A431-Y00M1
HSMA-A461-V00M1	PLCC4,PWR,T/Mt,60VA,AlInGaP,Amb	HSMA-A460-W50M1
HSMC-A401-T60M1	PLCC4,PWR,T/Mt,120VA,AlInGaP,Red	HSMC-A401-T40M1
HSME-A100-M02H1	PLCC2,Top Mt,AlInGaP,Grn	N/A

Part Number	Part Description	Replacement Part
HSMG-A100-H41J2	PLCC2,Top Mt,GaP,Grn	HSMG-A100-H01J1
HSMG-A100-K7LJ2	PLCC2,Top Mt,GaP,Grn	HSMG-A100-K72J2
HSMH-A100-M80J2	PLCC2,Top Mt,AlGaAs	HSMH-A100-N00J1
HSML-A100-Q0YJ1	PLCC2,Top Mt,AllnGaP,Org	HSML-A100-Q00J1
HSML-A401-U4YM1	PLCC4,PWR,T/Mt,120VA,AllnGaP,Org	HSML-A401-U40M1
HSMS-A100-H70J2	PLCC2,Top Mt,HER	HSMS-A100-K20J2
HSMU-A160-T00J1	PLCC2,Top Mt,Black,AllnGaP2,Amb	HSMA-A161-S00J1
HSMV-A430-Y40M1	PLCC4,PWR,T/Mt,30VA,AllnGaP2,Rorg	HSMJ-A431-X90M1
HSMW-B19J	Chip,Top Mt,B-White	N/A
HSMW-B19K	Chip,Top Mt,B-White	N/A
HSMW-C12J	Chip,R/angle Mt,InGaN,White	N/A
HSMW-C19J	Chip,Top Mt,White	N/A
HSMW-C19K	Chip,Top Mt,White	N/A
HSMW-C313	Chip,SMT R/Angle,InGaN,White,1.0mm	N/A
HSMW-C333	Chip,SMT R/Angle,InGaN,White	N/A
HSMY-A100-J35J2	PLCC2,Top Mt,GaP,Yel	HSMY-A100-J45J2
HSMY-A160-L4YJ1	PLCC2,Top Mt,GaP,Yel	N/A
QLMA-DL39	Lamp,5mm,AllnGaP,Amb	HLMP-EL2A-XYKDD
QLMA-DL89	Lamp,5mm,L/Dome,AllnGaP,Amb,30deg	HLMP-EL37-TW000
QLMA-DL91-M0MZ0	Lamp,5mm,AllnGaP,Amb,23deg	HLMP-EL2A-XYKDD
QLMA-EL39	Lamp,5mm,AllnGaP,Amb,40deg	HLMA-EL20-H0000
QLMA-KH40	Lamp,3mm,AllnGaP,RedOrg	HLMA-KH00-J0000
QLMA-KH40-N00DD	Lamp,3mm,AllnGaP,RedOrg	HLMA-KH00-J0000
QLMA-KH48	Lamp,3mm,AllnGaP,RedOrg	HLMA-KH00-J0000
QLMA-KJ49	Lamp,3mm,AllnGaP,Org	N/A
QLMA-KL39	Lamp,3mm,AllnGaP,Amb	HLMA-KL00-I0000
QLMA-KL41#002	Lamp,3mm,AllnGaP,Amb	HLMA-KL00-I0000
QLMA-KL43#2VD	Lamp,3mm,AllnGaP,Amb	HLMA-KL00-I0000
QLMA-PH38-RS011	Poly,Ftop,AllnGaP,RedOrg,GW,T/R	HLMA-PH00-N0011
QLMA-PJ38-QR011	Poly,FTop,AllnGaP,Org,GW,T/R	N/A
QLMJ-B008	Lamp,3mm,AllnGaP,Amb	HLMA-KL00-I0000
QLMP-6565-MP011	Poly,Dome,GaP,Grn,GW,T/R	HLMP-6505-L0011
QLMP-CE88-Z2CDD	Lamp,5mm,InGaN,Cyan,15deg	N/A
QLMP-EG48-NR000	Lamp,5mm,AllnGaP,Red,30deg	HLMP-EG30-NR000
QLMP-EG48-PR000	Lamp,5mm,AllnGaP,Red,30deg	HLMP-EG30-PR000
QLMP-EG98-GK000	Lamp,5mm,AllnGaP,Red,55deg	HLMP-EG55-GK0DD
QLMP-EL97-LM000	Lamp,5mm,AllnGaP,Amb,30deg	N/A
QLMP-J596-IJ0FA	Lamp,3mm,GaP,Grn	HLMP-1540
QLMP-K130-JK000	Lamp,3mm,AlGaAs	HLMP-K101
QLMP-K273-C0000	Lamp,3mm,GaP,Red	HLMP-1301
QLMP-K367	Lamp,3mm,GaP,Yel	N/A
QLMP-LH99-KM0ZZ	Lamp,4mm,AllnGaP,RedOrg,50X100deg	HLMP-LH65-XY0DD
QLMP-N499-ABADD	Lamp,3mm,GaP,Org	N/A
QLMP-UL99#001	Lamp,5mm,AllnGaP,Amb,23deg	HLMP-EL2A-XYKDD
QSMA-A145-R35J1	PLCC2,Top Mt,AllnGaP,Amb	N/A
QSMA-A147-R2JJ1	PLCC2,Top Mt,AllnGaP,Amb	N/A
QSMA-A155-Q7WJ1	PLCC2,Top Mt,AllnGaP,Amb	N/A
QSMA-A441-V7QM1	PLCC4,PWR,T/Mt,120VA,AllnGaP,Amb	N/A
QSMA-A497-V30M1	PLCC4,PWR,T/Mt,120VA,AllnGaP,Amb	N/A
QSMA-C179-000TW	Chip,Top Mt,AllnGaP,Amb	HSMA-C170
QSMA-C194-000TW	Chip,Top Mt,AllnGaP,Amb	HSMA-C191
QSMC-A111-R80J1	PLCC2,Top Mt,AllnGaP,Red	N/A
QSMC-A125-S20J1	PLCC2,Top Mt,AllnGaP,Red	N/A

Part Number	Part Description	Replacement Part
QSMC-A136-Q40J1	PLCC2,Top Mt,AllnGaP,Red	N/A
QSMC-A141-Q3JJ1	PLCC2,Top Mt,AllnGaP,Red	N/A
QSMC-A146-Q30J1	PLCC2,Top Mt,AllnGaP,Red	N/A
QSMC-A155-R30J1	PLCC2,Top Mt,AllnGaP,Red	N/A
QSMC-C178-000TW	Chip,Top Mt,AllnGaP,Red	HSMC-C170
QSMC-C17A	Chip,Top Mt,AllnGaP,Red	HSMC-C170
QSMC-C189	Chip,Top Mt,AllnGaP,Red	HSMC-C191
QSMC-C199-000TW	Chip,Top Mt,AllnGaP,Red	N/A
QSME-A149-Q3TJ1	PLCC2,Top Mt,AllnGaP,Grn	N/A
QSME-C167	Chip,Top Mt,AllnGaP,Grn	HSME-C170
QSME-C168	Chip,Top Mt, AllnGaP,Grn	HSME-C170
QSME-C169	Chip,Top Mt, AllnGaP,Grn	HSME-C170
QSMF-C16B	Chip,Biclr,Alln Org/InGaN Grn	N/A
QSMG-C189	Chip,Top Mt,GaP,Grn	HSMG-C190
QSMH-C194	Chip,Top Mt,AlGaAs	HSMH-C191
QSMJ-A427-U30M1	PLCC4,PWR,T/Mt,120VA,AllnGaP,ROrg	N/A
QSML-A148-S23J1	PLCC2,Top Mt,AllnGaP,Org	N/A
QSML-A436-Y7PM1	PLCC4,PWR,T/Mt,30VA,AllnGaP,Org	N/A
QSML-C149	Chip,Top Mt,AllnGaP,Org	HSMML-C150
QSMN-C129	Chip,R/angle Mt,InGaN,Blue	HSMR-C120
QSMN-C139	Chip,Top Mt, InGaN,Blue	N/A
QSMN-C149	Chip,Top Mt,InGaN,Blue	HSMR-C150
QSMN-C195	Chip,Top Mt,InGaN,Blue	HSMR-C191
QSMN-C269	Chip,Rev Mt,InGaN,Blue	HSMR-C265
QSMN-C309	Chip,Directional R/angle Mt,InGaN,Blue	N/A
QSMQ-C169	Chip,Top Mt,InGaN,Grn	HSMQ-C170
QSMQ-C17A	Chip,Top Mt,InGaN,Grn	HSMQ-C170
QSMQ-C194	Chip,Top Mt,InGaN,Grn	HSMQ-C191
QSMR-C108	Chip,R/angle Mt,InGaN,Blue	HSMR-C110
QSMR-C121	Chip,R/angle Mt,InGaN,Blue	HSMR-C120
QSMR-C179	Chip,Top Mt,InGaN,Blue	HSMR-C191
QSMR-C192	Chip,Top Mt,InGaN,Blue	HSMR-C191
QSMR-C267	Chip,Rev Mt,InGaN,Blue	HSMR-C265
QSMR-C271	Chip,Rev Mt,InGaN,Blue	HSMR-C265
QSMR-C308	Chip, R/angle Mt,InGaN,Blue	HSMR-C265
QSMR-C391	Chip,SMT R/Angle,InGaN,Blue	N/A
QSMS-A149-L00J1	PLCC2,Top Mt, HER	N/A
QSMT-FW91-NW000	Chip,3.3x3.3,Top Mt,White	N/A
QSMW-C184	Chip,Top Mt,White	HSMW-C191
QSMW-C188	Chip,Top Mt,White	HSMW-C191
QSMW-C189	Chip,Top Mt,White	HSMW-C191
QSMW-C311	Chip,Directional R/angle Mt,InGaN,White	N/A
QSMW-C312	Chip,Directional R/angle Mt,InGaN,White	N/A
QSMW-C331	Chip,Directional R/angle Mt,InGaN,White	N/A
QSMW-C363	Chip,SMT R/Angle,InGaN,White	N/A
QSMW-C365	Chip,SMT R/Angle,InGaN,White	N/A
QSMY-C189	Chip,Top Mt,GaP,Yel	HSMY-C190