

| Part Number | Product Description | Competition | Strengths |
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| Signs & Signals | | | |
| HLMP-Ex1A/1B Series HLMP-Ex2A/2B Series HLMP-Ex3A/3B Series | 5mm 15° Red and Amber Round Lamps 5mm 23° Red and Amber Round Lamps 5mm 30° Red and Amber Round Lamps | Nichia / Cree | 1. High brightness 2. Low Vf (1.8V - 2.4V) 3. Available in various viewing angles |
| HLMP-Cx1A/1B Series HLMP-Cx2A/2B Series HLMP-Cx3A/3B Series | 5mm 15° Blue and Green Round Lamps 5mm 23° Blue and Green Round Lamps 5mm 30° Blue and Green Round Lamps | Nichia / Cree | 1. High brightness 2. Available in various viewing angles |
| HLMP-Ax74/75 Series HLMP-Hx74/75 Series HLMP-Lx75 Series | 5mm 30°x70° RGB Oval Lamps 5mm 40°x100° RGB Oval Lamps 4mm 50°x100° RGB Oval Lamps | Nichia / Cree | 1. High brightness 2. Matching RGB mapping 3. Narrow IV bin ratio (1:1.2 per bin) 4. Tinted lens for high contrast ratio 5. Offer Flexi-Bin (single IV/color bin) up to max 350kpcs per shipment |
| ASMT-YTB2 Series ASMT-YTC2 Series ASMT-YTD2 Series | OneLED (Black Surface Tricolor PLCC-6) OneLED (Black Body Tricolor PLCC-6) OneLED (White Surface Tricolor PLCC-6) | Nichia / Osram / Cree | 1. Black surface for increased contrast ratio 2. Silicone encapsulation gives long life performance 3. JEDEC MSL 2a 4. Flexi-Bin available |
| ALMD-Lx36 Series ALMD-Ex3D/Cx3D Series | HB 4mm 40°x100° SMT Oval Lamps HB 5mm 30° SMT Round Lamps | None | 1. 1st SMT platform with through-hole lamp performance 2. High brightness 3. Tinted lens for high contrast ratio 4. JEDEC MSL 2a |

Automotive

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| HSMM/N/W-A10x Series | InGaN PLCC-2 | Osram /Everlight | High reliability |
| ASMT-UxB5 Series | InGaN PLCC-2 | Osram /Everlight | 1. High brightness 2. High reliability |
| HSMA/C/J-A10x Series | AllnGaP PLCC-2 | Osram /Everlight | High reliability |
| HSMA/C/J-A40x Series | AllnGaP PLCC-4 | Osram /Everlight | High reliability |
| ASMT-SxB4 Series | AllnGaP PLCC-4 | Osram /Everlight | 1. High brightness 2. High reliability |
| ASM-SWBM-Nxxx | Long life White PLCC4 | Osram / Nichia | High reliability |
| ASMT-TxBM Series | Mini PLCC2 | Osram / Everlight / Nichia | 1. High brightness 2. High reliability and robust packaging 3. Competitive pricing |

Industrial & Consumer

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| HLMP-0/1/3/4/5xxx | 3mm/5mm/Rectangular/Bicolor Through Hole Lamp | Liteon / Kingbright / Everlight | 1. Excellent product reliability and quality 2. Available in a wide range of colors, including Blue and White |
| HDSP-Uxxx/Axxx/7xxx | 0.31” ultra mini and 0.3” micro bright TH seven segment display | Liteon / Kingbright / Everlight Aggressive and competitive pricing strategy on their PCB based displays option | 1. Market leader in leadframe based seven segment displays. 2. PCB based displays as alternatives from cost economical/application perspective |
| HDSP-5xxx/Hxxx | 0.56”TH 7 segment display | Liteon / Kingbright / Everlight with Aggressive and competitive pricing strategy on their PCB based displays option | 1. Market leader in leadframe based seven segment displays. 2. PCB based displays as alternatives from cost economical/application perspective |
| HDSM-28xx/29xx/43xx/44xx /53xx/54xx | SMD 7-segment display | Kingbright / Everlight Aggressive and competitive pricing strategy | 1. Available in full color selections, including blue and white 2. Ability to withstand up to 105°C operating temperature |

Additional LED products are available. See www.avagotech.com/led

| Part Number | Product Description | Competition | Strengths |
|-----------------------|---|--|--|
| Solid State Lighting | | | |
| ASMT-Jxxx Series | 1W and 3W Mini High Power LEDs | Lumileds / Cree / Nichia / Osram / Seoul Semiconductor | 1. Competitive pricing 2. Small foot print 3. Robust package design with MSL 1 and Tj 150°C 4. High flux output and energy efficient 5. Full range of colors available |
| ASMT-Axxx Series | 1W and 3W High Power LEDs | Lumileds / Cree / Nichia / Osram / Seoul Semiconductor | 1. Competitive pricing 2. Direct drop in replacement to Lumileds Luxeon that has wide-installed base in the industry 3. Robust package design 4. High flux output 5. Low thermal resistance |
| ASMT-Mxxx Series | Moonstone™ High Power LED Emitter (1/2W, 3W and 3-in-1 RGB) | Lumileds / Cree / Nichia / Osram / Seoul Semiconductor | 1. Competitive pricing 2. Scalable package with wide offering from 1/2W to 3W including the tricolor 3. Robust and industry proven package design 4. High flux output (min 110lm available) 5. Easy to use |
| ASMT-QWBx/QYBx Series | Super 0.5W PLCC4 | Osram / Nichia / Cree / Seoul Semiconductor | 1. High reliability performance 2. Robust packaging 3. High brightness 4. Competitive pricing |
| ASMT-UWB1 Series | OneWhite PLCC-2 | Dominant / Seoul Semiconductor / Osram / Nichia | 1. High brightness 2. Competitive pricing 3. ANSI binning |

Industrial

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|---|--|------------|--|
| HCMS-2xxx/3xxx | High Performance CMOS 5x7 Alphanumeric Display | Osram | 1. Technology leader 2. 3.3V package available 3. High reliability performance, long life and robust packaging |
| HLMP/A/T-6/7/P/Qxxx | Flat top/Dome Polyled | Everlight | 1. Excellent product reliability and quality 2. Available in a wide range of colors 3. Available in yoke bend, gull wing, z-bend and loose unit. |
| ASMT-Bxxx Series | PCB Subminiature Lamp | Everlight | 1. Excellent product reliability and quality. 2. Available in a wide range of colors |
| HLCP-x100 Series HLMP-2xxx Series HDSP-48/49xx Series | Light Bars and Bar Graph Arrays | KingBright | 1. Market leader in leadframe based Light Bar 2. Excellent product reliability 3. Available in a wide range of colors |

Consumer Electronics

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| HSMx-C13x/C19x/C17x/C150 | 0603/0805/1206 Top Mount Chipled | Citizen / Everlight / Rohm | 1. High brightness 2. High quality Standard 3. Allow bin selection |
| HSMx-C120/C110 ASMT-Cx00/Cx40 | Side Firing Chipled | Citizen / Everlight / Rohm | 1. High brightness 2. High quality standard 3. Allow bin selection. |
| ASMT-FJ10/FG10/FJ60 Series | Standard Auto Focus Auxiliary Flash LED | Toshiba / Rohm / Kodenshi | 1. High brightness 2. Narrow viewing angle 3. Competitive pricing |
| ASMT-FJ30/FJ70/FG70 Series | Low Profile Auto Focus Auxiliary Flash LED | Kodenshi | 1. Low package height 2. High brightness 3. Optimized viewing angle |

Additional LED products are available. See www.avagotech.com/led

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AV00-0257EN 08/31/11

Top Selling
LED Products

Quick Reference Guide

