

## Application Brief

### Introduction

There are two Avago LED part numbering system, namely:

1. Existing LED Part Numbering System (shown in section 1)
2. New LED Part Numbering System (shown in Section 2)

The existing Avago Part Numbering System differs from product family to product family and will continue to be applicable for existing products. The New LED Part Numbering System incorporates Avago Brand Identification with more standardized features and will only be applicable for new Avago LEDs.

This document is intended as a general guide to the part numbering systems employed by each part family. This document is not intended as a selection guide and does not contain parametric values for specific devices. For further information on specific products, please refer to the respective Product Technical Data Sheet.

Some part number may not appear to fall in the categories contained herein -- this does not indicate obsolescence but rather the specific part number may not exactly match the generalizations in this document. For those part numbers not exactly matching the description in this document, please download the appropriate Product Technical Data Sheet from Avago Website ([www.avagotech.com](http://www.avagotech.com)) or contact the nearest Avago Representative.

### Section 1: Index of Part Numbering System

For convenience, two indexes are provided in this document – one sorted by Product Family (Table 1) and the other sorted by Part Number (Table 2).

**Table 1. Index of Part Numbering System by Product Family**

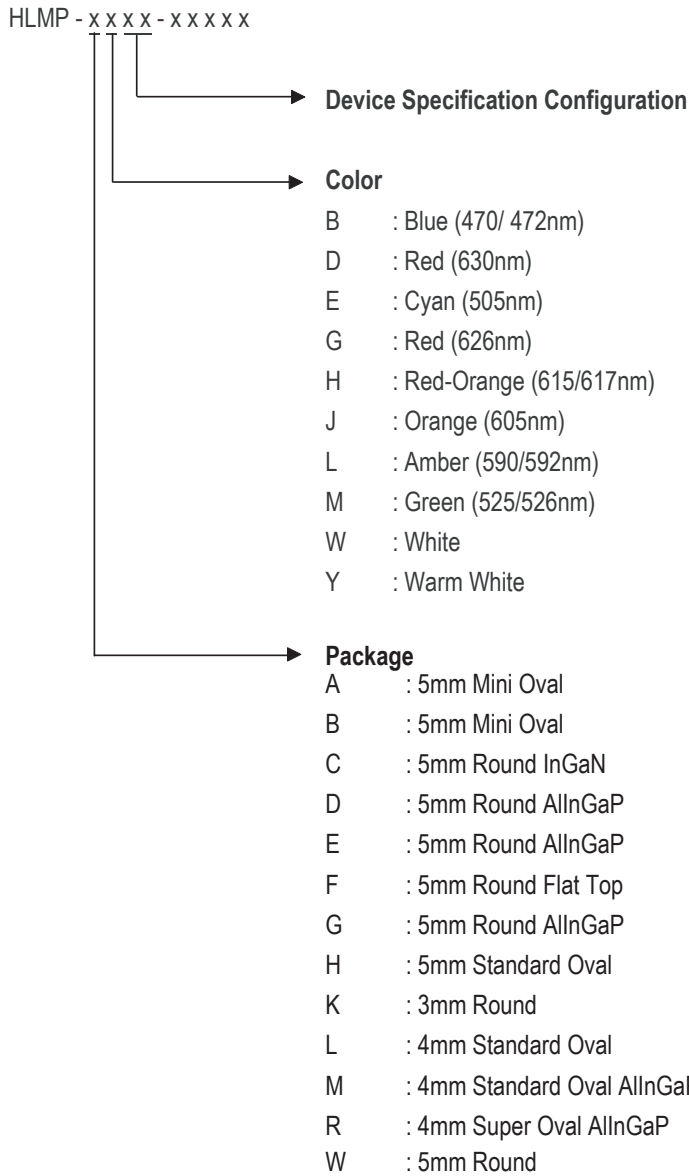
Product Family	Description	Figure
Through-Hole Lamps	3mm, 4mm, 5mm Round and Oval Through-Hole LED Lamps	Figure 1a, Figure 1b
SMT PLCC	Surface Mountable LED Lamps	Figure 2a, Figure 2b
Color Sensor & Controller	Color Sensor	Figure 3
	Color Controller	Figure 4

**Table 2. Index of Part Numbering System Sorted by Part Number**

<b>Part Number</b>	<b>Description / Product Family</b>	<b>Figure</b>
HLMP-Axxx-xxxxx HLMP-Bxxx-xxxxx HLMP-Cxxx-xxxxx HLMP-Dxxx-xxxxx HLMP-Exxx-xxxxx HLMP-Fxxx-xxxxx HLMP-Gxxx-xxxxx HLMP-Hxxx-xxxxx HLMP-Kxxx-xxxxx HLMP-Lxxx-xxxxx HLMP-Mxxx-xxxxx HLMP-Rxxx-xxxxx HLMP-Sxxx-xxxxx HLMP-Wxxx-xxxxx	Through-Hole Lamps	Figure 1a, Figure 1b
HSMA-Axxx-xxxxx HSMB-Axxx-xxxxx HSMC-Axxx-xxxxx HSMD-Axxx-xxxxx HSME-Axxx-xxxxx HSMF-Axxx-xxxxx HSMG-Axxx-xxxxx HSMH-Axxx-xxxxx HSMJ-Axxx-xxxxx HSMK-Axxx-xxxxx HSML-Axxx-xxxxx HSMM-Axxx-xxxxx HSMN-Axxx-xxxxx HSMS-Axxx-xxxxx HSMU-Axxx-xxxxx HSMV-Axxx-xxxxx HSMW-Axxx-xxxxx HSMY-Axxx-xxxxx HSMZ-Axxx-xxxxx	SMT PLCC	Figure 2a, Figure 2b
HDJD-Jxxx-xxxxx HDJD-Sxxx-xxxxx	Color Sensor & Controller	Figure 3, Figure 4

**Note:**

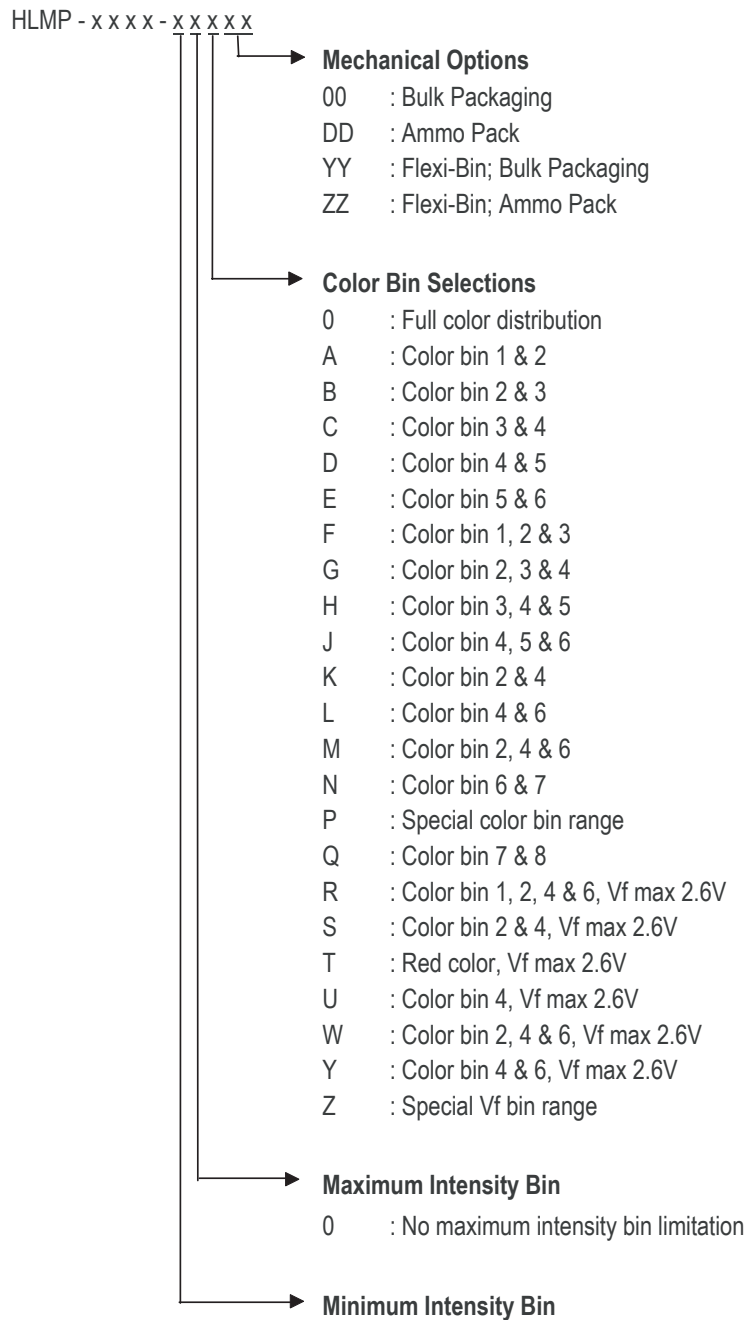
1. For codes not listed in this table, please refer to the respective data sheet or contact nearest Avago representative for details.



**Figure 1a: Through-Hole Lamps**

Notes:

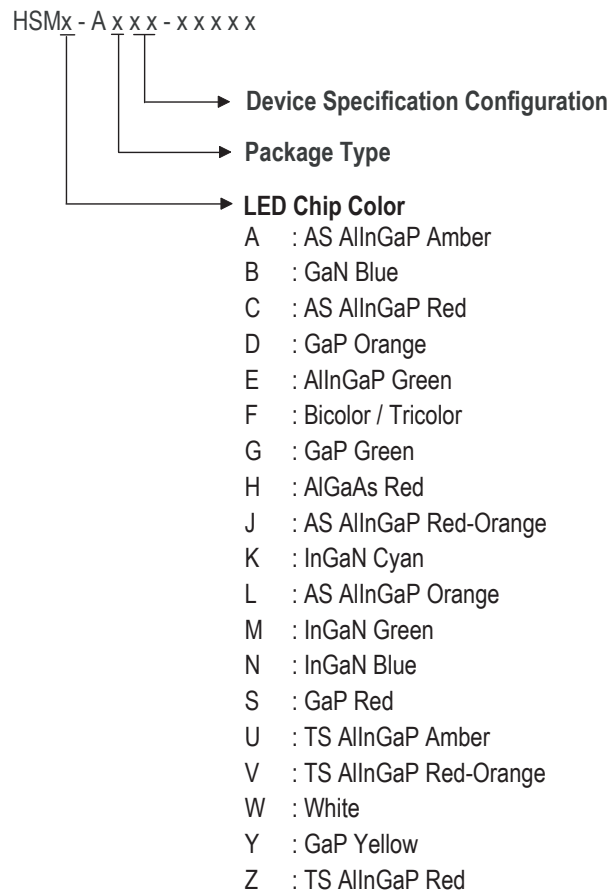
1. For codes not listed in this table, please refer to the respective data sheet or contact nearest Avago representative for details.
2. Bin options refer to shippable bins for a part number. Color and intensity bins are typically restricted to 1 bin per bulk pack, ammo pack or reel (exceptions may apply). Please refer to respective data sheet for specific bin limit information.



**Figure 1b: Through-Hole Lamps**

Notes:

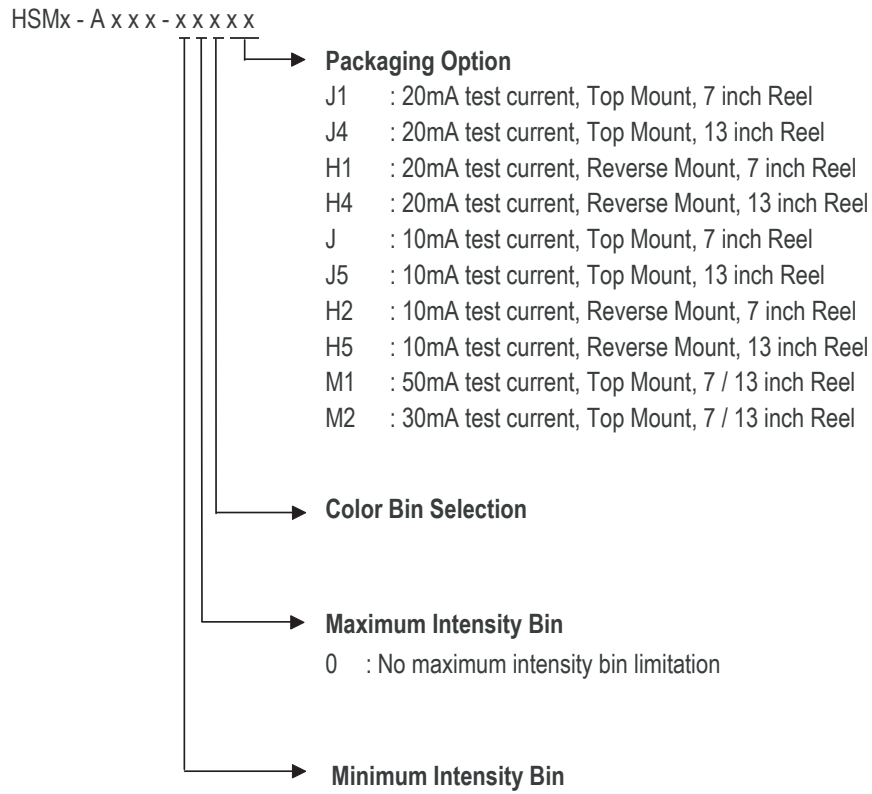
1. For codes not listed in this table, please refer to the respective data sheet or contact nearest Avago representative for details.
2. Bin options refer to shippable bins for a part number. Color and intensity bins are typically restricted to 1 bin per bulk pack, ammo pack or reel (exceptions may apply). Please refer to respective data sheet for specific bin limit information.



**Figure 2a: SMT PLCC**

Notes:

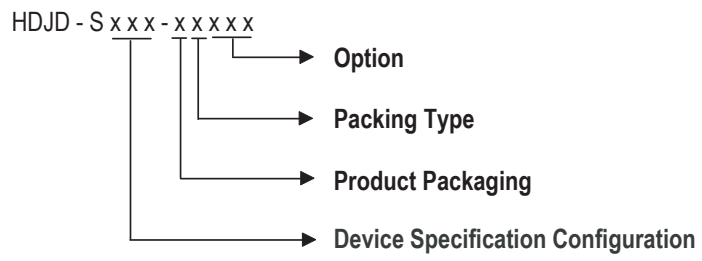
1. For codes not listed in this table, please refer to the respective data sheet or contact nearest Avago representative for details.
2. Bin options refer to shippable bins for a part number. Color and intensity bins are typically restricted to 1 bin per bulk pack, ammo pack or reel (exceptions may apply). Please refer to respective data sheet for specific bin limit information.



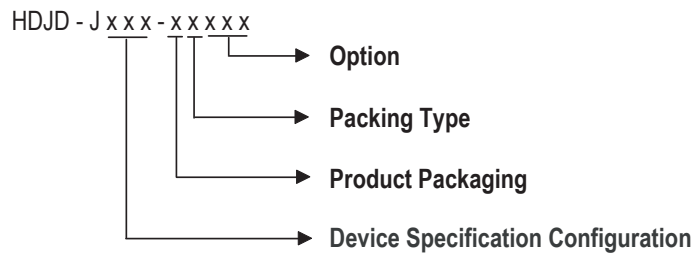
**Figure 2b: SMT PLCC**

Notes:

1. For codes not listed in this table, please refer to the respective data sheet or contact nearest Avago representative for details.
2. Bin options refer to shippable bins for a part number. Color and intensity bins are typically restricted to 1 bin per bulk pack, ammo pack or reel (exceptions may apply). Please refer to respective data sheet for specific bin limit information.



**Figure 3: Color Sensor**

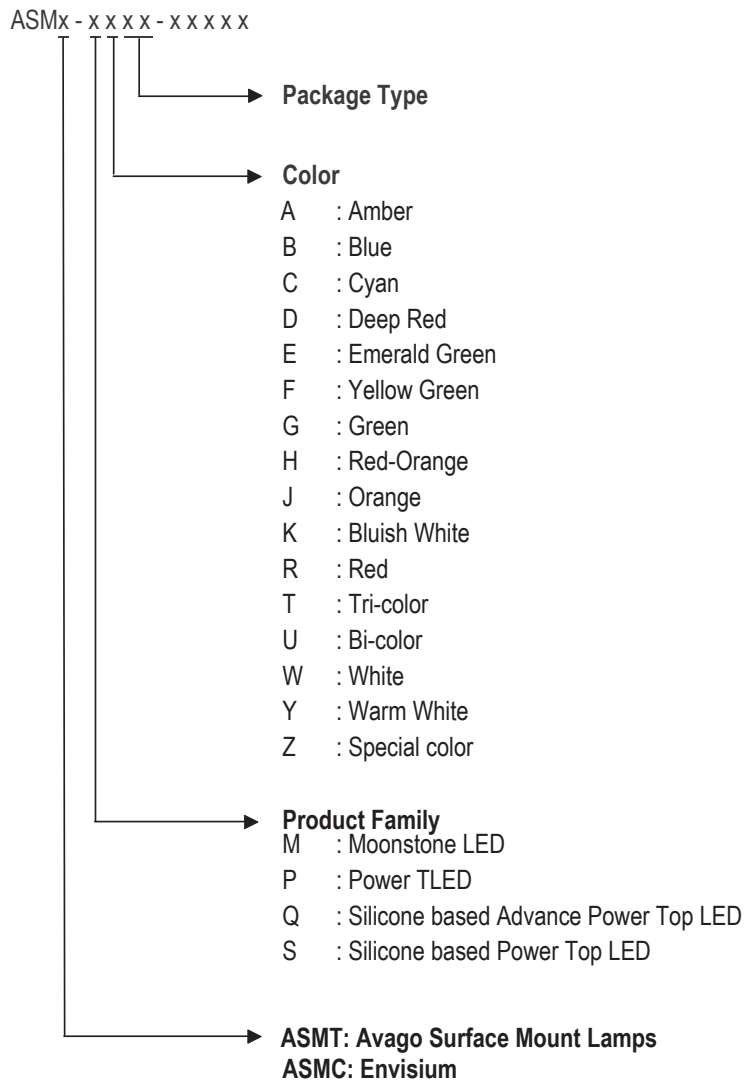


**Figure 4: Color Controller**

Section 2:

**Table 3. Index of New Part Numbering System**

Part Numbering System	Product Family	Figure
ASMT-xxxx-xxxxx ASMC-xxxx-xxxxx	Surface Mount Lamps	Figure 5a, Figure 5b
ADJD-xxxx	Backlighting / High Power LED	Figure 6
ADJD-Sxxx-xxxxx	Color Sensor	Figure 7
ADJD-Jxxx-xxxxx	Color Controller	Figure 8



**Figure 5a: New 'A' Series part number structure for Surface Mount Lamps**



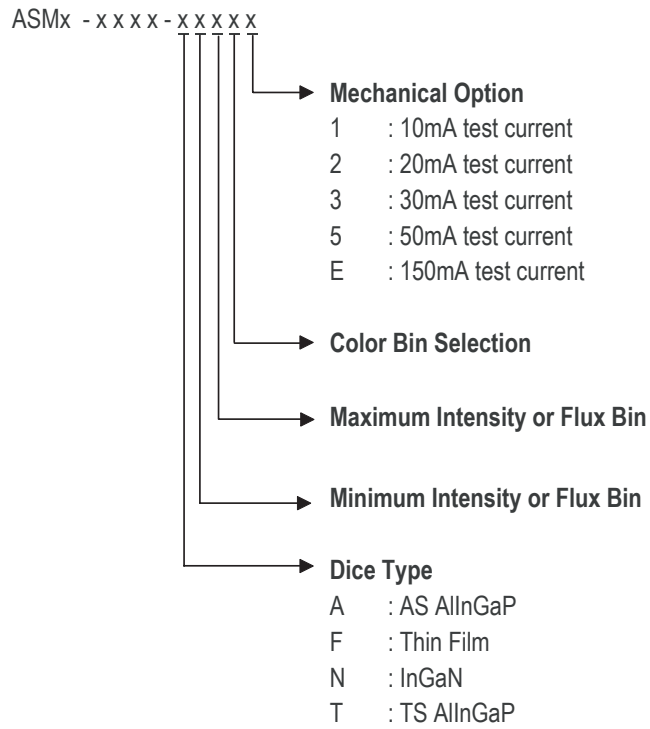


Figure 5b: New 'A' Series part number structure for Surface Mount Lamps

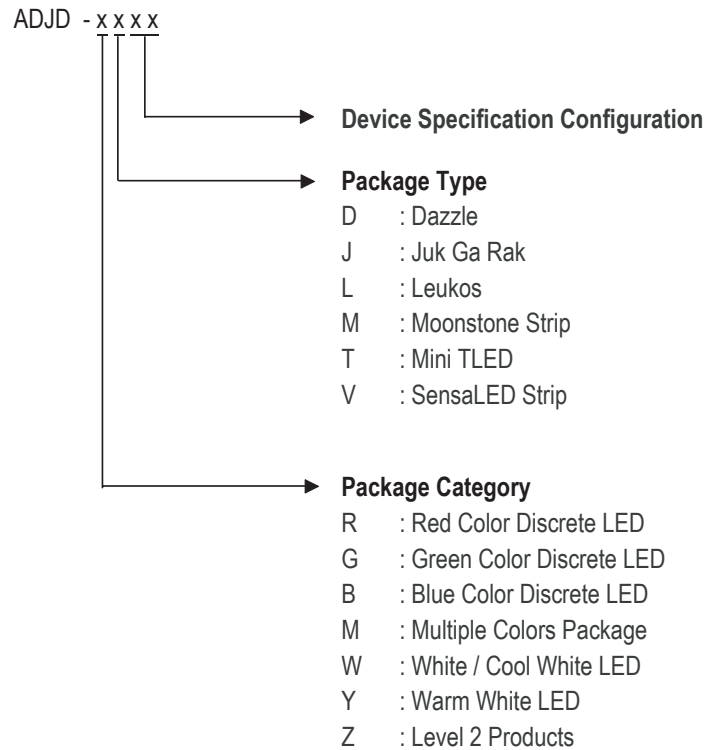
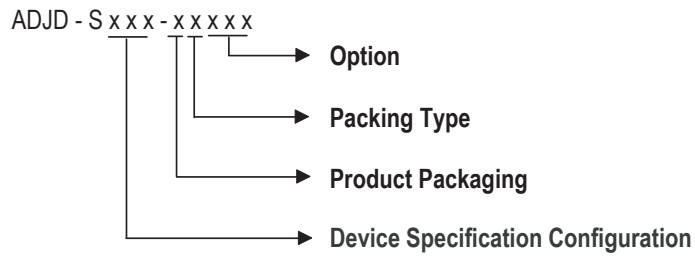
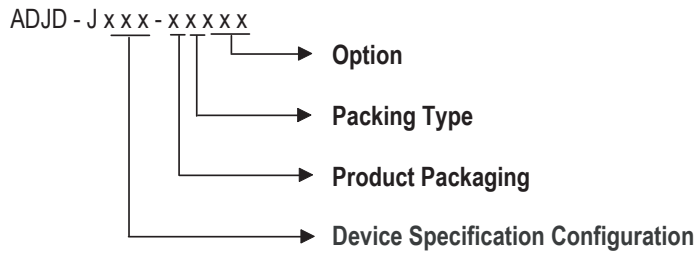


Figure 6: Backlighting/ High Power LED



**Figure 7: Color Sensor**



**Figure 8: Color Controller**

For product information and a complete list of distributors, please go to our web site: [www.avagotech.com](http://www.avagotech.com)

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