

## Selection Guide

### Introduction

When Avago Technologies introduces an optical mouse sensor, the part is normally made available in different offerings; sensor only, bundle set, sample kit, or designer's kit. Except for the sensor standalone part, the others are configured with either one or more optical mouse accessories. These accessories are the lenses, clips and LEDs.

This document is intended to highlight these part numbers and to list down the accessories or other components they consist of.

### Part Numbering System

When an optical mouse sensor is introduced, these are the part numbers that are made available with the sensor:

| Part Numbers | Description            | Products With Base Part Number Mentioned                                                      |
|--------------|------------------------|-----------------------------------------------------------------------------------------------|
| ADNS-XXXX    | Stand alone components | <b>1. Optical Mouse Sensor</b>                                                                |
|              |                        | <b>2. Lens (Round/Trim)</b>                                                                   |
|              |                        | <b>3. Assembly Clip (Clear/Black)</b>                                                         |
| ADNB-XXXX    | Optical Mouse Bundle   | <b>1. Optical Mouse Sensor and Round Lens</b> (ADNB-XXX1) *                                   |
|              |                        | <b>2. Optical Mouse Sensor and Trim Lens</b> (ADNB-XXX2) *                                    |
|              |                        | * Except for ADNB-2050 and ADNB-2051                                                          |
| ADNK-XXXX    | Optical Mouse Kits     | <b>1. Optical Mouse Sample Kit</b>                                                            |
|              |                        | a. Optical Mouse Sensor (5 units)                                                             |
|              |                        | b. Round lens (5 units)                                                                       |
|              |                        | c. Trim lens (5 units)                                                                        |
|              |                        | d. Black Clip (5 units)                                                                       |
|              |                        | e. Clear Clip (5 units)                                                                       |
|              |                        | f. LED (5 units)                                                                              |
|              |                        | g. Diskette containing relevant technical literature (1 unit)                                 |
|              |                        | <b>2. Optical Mouse Designer's Kit</b>                                                        |
|              |                        | a. Optical Mouse Sensor (5 units)                                                             |
|              |                        | b. Round lens (5 units)                                                                       |
|              |                        | c. Trim lens (5 units)                                                                        |
|              |                        | d. Black Clip (5 units)                                                                       |
|              |                        | e. Clear Clip (5 units)                                                                       |
|              |                        | f. LED (5 units)                                                                              |
|              |                        | g. Microcontroller (5 units) - optional                                                       |
|              |                        | h. CD containing Avago Technologies' technical literature and support files (1 unit)          |
|              |                        | i. CD containing microcontroller's technical literature and support files (1 unit) - optional |
|              |                        | j. Complete working reference design mouse (1 unit)                                           |

Currently, there are four different optical mouse sensors available from Avago Technologies. These are:

| No. | Part Number | Description                                                                                                   |
|-----|-------------|---------------------------------------------------------------------------------------------------------------|
| 1.  | ADNS-2030   | Low power optical mouse sensor optimized for cordless mouse applications                                      |
| 2.  | ADNS-2051   | High-performance optical mouse sensor for corded and cordless mouse applications                              |
| 3.  | ADNS-2620   | Entry-level, small form-factor, optical mouse sensor with performance features for general mouse applications |
| 4.  | ADNS-2610   | Entry-level, small form-factor, optical mouse sensor for general mouse applications                           |

Based on this guideline, the list below contains the current products and their respective list of bundles, kits and designer's kit.

| Sensor Part Number | Bundle Part Number (with Round Lens) | Bundle Part Number (with Trim Lens) | Sample Kit Part Number | Ref DesignKit Part Number |
|--------------------|--------------------------------------|-------------------------------------|------------------------|---------------------------|
| ADNS-2610          | ADNB-2611                            | ADNB-2612                           | ADNK-2610              |                           |
| ADNS-2620          | ADNB-2621                            | ADNB-2622                           | ADNK-2620              | ADNK-2623                 |
| ADNS-2051          | ADNB-2050                            | ADNB-2051                           | ADNK-2052              | ADNK-2051                 |
| ADNS-2030          | ADNB-2031                            | ADNB-2032                           | ADNK-2030              | ADNK-2133                 |

#### ACCESSORIES - LENSES

| Lens Type | Part Number   | Associated Bundles |
|-----------|---------------|--------------------|
| Round     | HDNS-2100     | ADNB-2611          |
|           |               | ADNB-2621          |
|           |               | ADNB-2050          |
|           |               | ADNB-2031          |
| Trim      | HDNS-2100-001 | ADNB-2612          |
|           |               | ADNB-2622          |
|           |               | ADNB-2051          |
|           |               | ADNB-2032          |

#### ACCESSORIES - LED ASSEMBLY CLIP

| Type of clip | Part Number   | Associated Products |
|--------------|---------------|---------------------|
| Black        | HDNS-2200     | ADNS-2610           |
|              |               | ADNS-2620           |
|              |               | ADNS-2051           |
|              |               | ADNS-2030           |
| Clear        | HDNS-2200-001 | ADNS-2610           |
|              |               | ADNS-2620           |
|              |               | ADNS-2051           |
|              |               | ADNS-2030           |

#### ACCESSORIES - LED

| Part Number     | Associated Products |
|-----------------|---------------------|
| HLMP-ED80-XX000 | ADNS-2610           |
|                 | ADNS-2620           |
|                 | ADNS-2051           |
|                 | ADNS-2030           |

If you have any questions please contact your local Avago Technologies representative.

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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