



# Agilent Optical Mouse Sensors (LED-based Sensors)

## Selection Guide

### Introduction

This document highlights the part numbers for the LED-based optical mouse sensors, the individual accessories, as well as the corresponding bundles and kits they are part of.

When Agilent 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 mouse accessories (lenses, clips and LEDs).

### 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	LED-based Products with Base Part Numbers
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 Bundles	<b>1. Optical Mouse Sensor and Round Lens (ADNB-XXX1)*</b> <b>2. Optical Mouse Sensor and Trim Lens (ADNB-XXX2)*</b> <i>* Except for ADNB-2050 and ADNB-2051</i>
ADNK-XXXX	Optical Mouse Kits	<b>1. Optical Mouse Sample Kit (ADNK-XXX0)**</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. CD containing relevant technical literature (1 unit) <i>** Except for ADNK-2052</i>



<b>Part Numbers</b>	<b>Description</b>	<b>LED-based Products with Base Part Numbers</b>
ADNK-XXXX	Optical Mouse Kits	<b>2. Optical Mouse Designer's Kit (ADNK-XXX3)***</b> <ul style="list-style-type: none"> <li>a. Optical Mouse Sensor (5 units)</li> <li>b. Round lens (5 units)</li> <li>c. Trim lens (5 units)</li> <li>d. Black clip (5 units)</li> <li>e. Clear clip (5 units)</li> <li>f. LED (5 units)</li> <li>g. Microcontroller (5 units) - optional</li> <li>h. CD containing Agilent's technical literature and support files (1 unit)</li> <li>i. CD containing microcontroller's technical literature and support files (1 unit) - optional</li> <li>j. Complete working reference design mouse (1 unit)</li> </ul> <p>*** Except for ADNK-2051 and ADNK-3061</p>

Currently, there are six LED-based optical mouse sensors available from Agilent Technologies. These are:

<b>No.</b>	<b>Part Number</b>	<b>Description</b>
1	ADNS-2030	Low power optical mouse sensor optimized for cordless mouse applications
2	ADNS-2051	Mid range 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
5	ADNS-3060	High-performance optical mouse sensor
6	ADNS-3080	High-resolution optical mouse sensor for gaming applications

### Optical Mouse Bundles and Kits

The table below provides the list of part numbers for sensors and their corresponding bundles and kits.

Sensor	Bundle (Sensor with Round Lens)	Bundle (Sensor with Trim Lens)	Sample Kit	Ref Design Kit
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
ADNS-3060	ADNB-3061	ADNB-3062	ADNK-3060	ADNK-3061
ADNS-3080	ADNB-3081	ADNB-3082	ADNK-3080	ADNK-3083

### Accessories—Optical Mouse Lenses

These components are available individually or as part of an optical mouse bundle.

Lens Type	Part Number	Associated Bundles
Round	HDNS-2100	ADNB-2611
		ADNB-2621
		ADNB-2050
		ADNB-2031
	ADNS-2120	ADNB-3061
		ADNB-3081
Trim	HDNS-2100-001	ADNB-2612
		ADNB-2622
		ADNB-2051
		ADNB-2032
	ADNS-2120-001	ADNB-3062
		ADNB-3082

### Accessories—LED AssemblyClips

These components are available individually.

Type of clip	Part Number	Associated Bundles
Black	HDNS-2200	ADNS-2610
		ADNS-2620
		ADNS-2051
		ADNS-2030
	ADNS-2220	ADNS-3060
		ADNS-3080
Clear	HDNS-2200-001	ADNS-2610
		ADNS-2620
		ADNS-2051
		ADNS-2030
	ADNS-2220-001	ADNS-3060
		ADNS-3080

### Accessories—LED

This component is available individually

Part Number	Associated Products
HLMP-ED80-XX000	ADNS-2610
	ADNS-2620
	ADNS-2051
	ADNS-2030
	ADNS-3060
	ADNS-3080

If you have any questions, please contact your local Agilent representative.

### [www.agilent.com/semiconductors](http://www.agilent.com/semiconductors)

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