

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	1. Optical Mouse Sensor
		2. Lens (Round/Trim)
		3. Assembly Clip (Clear/Black)
ADNB-XXXX	Optical Mouse Bundle	1. Optical Mouse Sensor and Round Lens (ADNB-XXX1) *
		2. Optical Mouse Sensor and Trim Lens (ADNB-XXX2) *
		* Except for ADNB-2050 and ADNB-2051
ADNK-XXXX	Optical Mouse Kits	1. Optical Mouse Sample Kit
		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)
		2. Optical Mouse Designer's Kit
		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

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Mouser Electronics

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