



## Product End-of-Life Instructions

### PRODUCT FAMILY

Dell All-in-One Desktops

### PURPOSE

The intent of this document is to provide guidance to recyclers on the presence of materials and components at the product / family level, as required by the EU WEEE Directive 2012/19/EU. This document should also help direct recyclers to proper methods for removing parts and general product disassembly instructions.

### PRODUCT DISASSEMBLY INSTRUCTIONS

Most parts can be removed easily by hand. In some cases common household tools such as Philips and/or flat-head screw drivers may be necessary. To remove discrete components such as the electrolytic capacitors, needle-nose pliers may be helpful. Instructions for removing parts in each product can be found in the User Documentation originally provided with the product. This documentation can be found online:

<http://www.dell.com/support/home/us/en/19/products/desktop>

### PRODUCT MATERIAL INFORMATION

The following substances, preparations, or components should be disposed of or recovered separately from other WEEE in compliance with Article 4 of EU Council Directive 75/442/EEC.

Batteries	Mercury	Dell does not use internal batteries based on Mercury (Hg) and its compounds.
	Cadmium	Dell does not use internal batteries based on Cadmium (Cd) and its compounds.
	Lead	Dell does not use internal batteries based on Lead (Pb) and its compounds.
	Other	Dell All-in-One desktops contain primary Lithium batteries.
Mercury	Lamps, Bulbs, and other Lighting Applications	Display contains LED.
	Other Uses	Other parts used in Dell products can not contain intentionally added Mercury.
Liquid Crystal Displays (LCD) - > 100 cm <sup>2</sup>		Product does contain an LCD greater than 100 cm <sup>2</sup> .
Cathode Ray Tubes (CRT)		Product does not contain a CRT
Plastic containing Brominated flame retardants other than in PCB / PCA		This product may contain plastic parts greater than 25 grams. Many of these parts are bromine free. Regardless, these parts are labeled (usually molded directly into the plastic) per ISO 11469.



	<p>This product may contain plastic parts with Brominated flame retardants. Plastic parts location can be visually identified by their typical design function for the product (<i>also shown in the service manual</i>). See reference plastic list</p> <ul style="list-style-type: none"> <li>- Many of these parts (Greater than 25 grams) are bromine free. Regardless, these parts are labeled (usually molded directly into the plastic) per ISO 11469. A typical label would look like: &gt; Polymer Abbreviation - FR(#) &lt; i.e. &gt; PC+ABS FR(40) &lt;</li> </ul> <p>Flame retardant codes (FR(#)) are given in ISO 1043-4. Codes for some Brominated flame retardants: 14 aliphatic/alicyclic Brominated compounds 15 aliphatic/alicyclic Brominated compounds in combination with antimony compounds 16 aromatic Brominated compounds (excluding Brominated diphenyl ether and biphenyls) 17 aromatic Brominated compounds (excluding Brominated diphenyl ether and biphenyls) in combination with antimony compounds 22 aliphatic/alicyclic chlorinated and Brominated compounds 42 Brominated organic phosphorus compounds</p> <ul style="list-style-type: none"> <li>- Plastics parts weighing less than 25 grams may or may not contain brominated flame retardants. These smaller plastics parts may include: <i>Fan impeller, speaker, thermal plate, camera back cover (optional), plastics in power adapter</i></li> </ul> <p>Recycler should treat these parts separately. For further information email: <a href="mailto:Product_Compliance@Dell.com">Product_Compliance@Dell.com</a></p>
Capacitors with PCB's	Dell does not use capacitors with PCB
External Electric cables	May be present. (e.g Power Adapter)
Printed Circuit Boards (PCB) or Printed Circuit Assemblies (PCA)	Present in the product as system board, wireless card, Hard disk, memory module, drive/Solid State drives, power button, I/O board, WLAN card
Electrolyte capacitors (height > 25mm, diameter > 25mm)	Electrolytic capacitors (height and/or diameter greater than 25mm) may be present in the power supply of this product.
Asbestos and its compounds	Parts used in Dell products cannot contain asbestos or its compounds
Refractory ceramic fibers	Parts used in Dell products cannot contain refractory ceramic fibers
Radio-active substances	Parts used in Dell products cannot contain Radio-active substances.





Beryllium and its compounds (including Beryllium Oxide)	Beryllium may be present in electronic components as a copper beryllium alloy, which contains less than 2% beryllium. CuBe alloys may be used in various components such as connectors, switches, relays, current carrying springs, integrated circuit sockets, and RF shielding.
Gasses - which fall under Regulation (EC) 2037/2000 and all hydrocarbons (HC)	Parts used in Dell products do not contain gasses which fall under Regulation (EC 2037/2000) and all hydrocarbons (HC).
Components with pressurized gas which need special attention (Pressure > 1,5bar)	Product does not contain parts with pressurized gas.
Liquids	Product does not contain liquid.




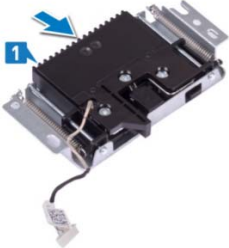
### DELL CORPORATE ENVIRONMENTAL INFORMATION

Information on Dell's Environmental initiatives, policies, programs and goals can be found at [www.dell.com/environment](http://www.dell.com/environment).





#### Representative plastics reference list\*

Plastic Part name	Picture	Location Description
Cable Cover		As shown, on back of computer. Part is optional
Stand		As shown, on back of computer



Back Cover		Back of the computer
Hard Drive Bracket		Displayed in blue, under the back cover and located next to the system fan
Camera Assembly Cover		As shown, located at the top of the computer underneath the system board shield. Houses the pop-up camera bezel
Pop-up Camera Bezel		Located underneath the camera assembly cover at the top of the computer
Base Cover		Base of the back of the computer



		
Power Supply Unit Fan		As shown, located next to the power supply unit, to the left of the system board
Speakers		Located along the display assembly base, on the left, bottom, and right of computer
Middle Frame		Rests on display assembly base, on the edge of the computer

*\*Some parts may not be applicable to all products in this family or may be made with material other than plastics*