

active heat sink [N-COUNT-U9] An **active heat sink** is a heat sink that is connected to a case fan, located right above the heat sink, in order to help cool the processor. **aktywny radiator**

adhesive [N-COUNT/UNCOUNT-U3] An **adhesive** is a glue which keeps two things stuck together. **klej**

airflow [N-UNCOUNT-U9] **Airflow** is the movement of air, particularly around or through something. **przepływ powietrza**

aluminum [N-UNCOUNT-U9] **Aluminum** is a lightweight, silver-colored metal that can be used to make heat sinks. **aluminium**

amplification [N-UNCOUNT-U7] **Amplification** is increasing the power of a signal by use of an external energy source. **wzmacnianie**

antenna [N-COUNT-U7] An **antenna** is a wire or a metal pole that is used to get or send signals. **antena**

application [N-COUNT-U5] An **application** is a purpose for which something is used. **zastosowanie**

attachment [N-COUNT-U9] An **attachment** is an object that is connected to another object, such as a machine, in order to make it do a specific job. **przystawka, dodatek**

audio [N-UNCOUNT-U7] **Audio** is sound, particularly music, that is recorded, broadcast, or played using an electronic device. **dźwięk, fonie**

battery compartment [N-COUNT-U12] A **battery compartment** is the section of an electronic device in which a battery is placed. **miejsce na baterie**

blob [N-COUNT-U13] A **blob** is a small drop or soft lump of something. **kropla**

block diagram [N-COUNT-U1] A **block diagram** is a basic diagram that uses rectangles or blocks to show functions or connections. **schemat blokowy**

break down [PHRASAL V-U15] To **break down** something is to take it apart. **rozłożyć**

build up [PHRASAL V-U5] To **build up** is to gradually collect something. **gromadzić**

bulge [N-COUNT-U14] A **bulge** is a part of an object that swells or curves outward. **wypukłość**

cable [N-COUNT-U7] A **cable** is a wire covered with a plastic coating. It is used to carry signals. **kabel**

call number [N-COUNT-U2] A **call number** is a combination of letters and numbers that tells technicians what a part is and where it is located in a device. **oznakowanie (np. części)**

case [N-COUNT-U3] A **case** is the outside of a device. It covers the circuits. **obudowa**

case fan [N-COUNT-U9] A **case fan** is a type of fan that takes cool air from outside and blows it through a computer, sending hot air out of the rear. **wentylator obudowy komputera**

chassis [N-COUNT-U1] The **chassis** is the frame of an electrical device. **stelaż, podstawa montażowa**

chop off [PHRASAL V-U4] To **chop** something **off** is to remove it by cutting it. **odciąć**

circuit board [N-COUNT-U12] A **circuit board** is a flat panel in an electronic device that contains microchips or connections. **płytnica obwodu drukowanego**

clear [V-T-U4] To **clear** something is to remove obstacles which block a passage. **oczyścić**

clip [V-T-U4] If you **clip** something, you cut it carefully. **przycinać**

coating [N-COUNT-U4] A **coating** is a thin layer. **powłoka**

collect [V-T-U7] To **collect** a signal is to receive it. **odbierać (o sygnale)**

collection program [N-COUNT-U15] A **collection program** is when items are brought to a certain location by people so they can be gathered up and reused or disposed of. **program zbiórki odpadów**

combine [V-I-U8] To **combine** is to put two different things together. **łączyć**

come off [PHRASAL V-U3] To make something **come off** means you separate it from something else. **oddzielić (elementy od siebie)**

complex [ADJ-U11] If something is **complex**, it is complicated and not simple. **złożony, skomplikowany**

composite [N-UNCOUNT-U7] **Composite** is a kind of baseband video, where the whole signal is carried on one wire. **zespolony sygnał wizji**

conceptual [ADJ-U1] If something is **conceptual**, it uses ideas or theories. **konceptualny**

congregate [V-I-U6] To **congregate** is to gather together. **zgromadzić się**

connect [V-T-U7] To **connect** is to link two different things together. **połączyć, złączyć**

consider [V-T-U5] To **consider** something, is to think about it. **przemyśleć, rozważyć**

convert [V-T-U8] To **convert** is to change something into something different. **konwertować, przekształcać**

cool down [PHRASAL V-U9] To **cool down** is to become colder or to cause something to grow colder. **schładzać, chłodzić**

copper [N-UNCOUNT-U9] **Copper** is a soft reddish brown metal that is a good conductor of heat and electricity. **miedź**

corrosion [N-UNCOUNT-U13] **Corrosion** is a process where metal is destroyed by a chemical reaction, such as rust. **koroza**

counterclockwise [ADJ-U12] If you turn an object **counterclockwise**, you turn it from right to left. **przeciwne do ruchu wskazówek zegara**

crimping [N-UNCOUNT-U13] **Crimping** is when a wire becomes bent or folded. **zagięcie, poskręcanie**

crooked [ADJ-U11] If something is **crooked**, it is not straight. **krzywy**

custom made [ADJ-U11] If an object is **custom made**, it is designed for a specific purpose. **zrobiony na zamówienie**

deform [V-T-U4] To **deform** something is to change its shape. **deformować**

delaminate [V-T-U4] To **delaminate** something is to remove its coating. **usuwać powłokę**

delicate [ADJ-U11] If an object is **delicate**, it is fragile or weak. **delikatny (podatny na uszkodzenia)**

designation [N-COUNT-U2] A **designation** is an alternate name or title for something. **oznaczenie**

diagram [N-COUNT-U1] A **diagram** is a drawing that explains how something works. **diagram**

disassemble [V-T-U3] To **disassemble** something means to take it apart. **rozłożyć na części**

disconnect [V-T-U3] To **disconnect** an electronic device means you remove it from the power supply. **odłączyć**

display [N-COUNT-U7] A **display** is a visual presentation of information. **wyświetlacz**

dispose of [PHRASAL V-U15] To **dispose of** something is to get rid of it because it is no longer wanted or needed. **pozbyć się**

donate [V-T-U15] To **donate** something is to give it away for free to someone else who has use for it. **ofiarać**

double-check [V-I or T-U4] To **double-check** something is to check it again after already checking once. **sprawdzić coś ponownie, upewnić się**

draw away [PHRASAL V-U9] To **draw away** is to move further from a person or place. **oddalić się**

drawing [N-COUNT-U1] A **drawing** is a representation of an object. **rysunek**

drawing paper [N-UNCOUNT-U12] A piece of **drawing paper** is a piece of paper on which to draw or sketch diagrams or designs. **papier do rysowania**

electronic waste [N-UNCOUNT-U15] **Electronic waste** is electronic devices that people no longer use and want to dispose of. **elektrośmieci**

far away [ADJ-U2] If an object is **far away**, it is not close. **daleko**

feed [V-T-U7] To **feed** is to supply something to a person or object. **dostarczać**

figure out [V-T-U10] To **figure out** something is to understand or solve it. **rozwiązać**

filter [N-COUNT-U6] A **filter** is a device that lets some things pass through, while blocking others. **filtr**

fixed [ADJ-U12] If an object is **fixed**, it is set in place and will not move. **zamocowany na stałe, stały**

flip-up latch [N-COUNT-U11] A **flip-up latch** is a latch that can be opened by lifting up two tabs. **rodzaj zatrzasku**

flow [V-T-U4] When a liquid or gas **flows**, it moves in a steady, continuous stream. **płynąć, lać się**

force [V-T-U3] To **force** something means to try to make it do something when it is resistant. **zmuszać, wymuszać**

fracture [V-T-U13] To **fracture** something is to cause it to crack or break. **złamać**

gap [N-COUNT-U10] A **gap** is an opening in a solid structure. **przerwa, szpara**

give [V-I-U10] If a material **gives**, it bends with elasticity. **poddawać się (np. naciskowi)**

glyptal [N-UNCOUNT-U13] **Glyptal** is an adhesive substance that is used to hold objects in place. **gliptal, żywica gliptalowa**

grip [V-T-U14] To **grip** something is to hold it firmly in your hand. **ścisnąć**

half [N-COUNT-U10] A **half** is one of two equal parts of something. **połowa**

hard switch [N-COUNT-U6] A **hard switch** is a switch that must cut off the load current in a certain amount of time, while coping with high voltage and current. **przełącznik typu hard switch**

harmful [ADJ-U15] If something is **harmful**, it has the ability to hurt living things or the environment. **szkodliwy**

hazardous waste [N-UNCOUNT-U15] **Hazardous waste** is unwanted products that may be harmful to living things or the environment if not disposed of correctly. **odpady niebezpieczne**

heat sink [N-COUNT-U9] A **heat sink** is a device that removes heat from another object. It is used to cool down a computer's processor and stop it from overheating. **radiator**

heat-sinking [ADJ-U4] If something produces a **heat-sinking** effect, it cools quickly. **rozpraszający ciepło**

hidden [ADJ-U3] If something is **hidden**, it can't easily be seen. **schowany**

identifier [N-COUNT-U2] An **identifier** is something that identifies an object. **identyfikator**

indentation [N-COUNT-U3] An **indentation** is the place where a flat surface suddenly falls inwards. **wgłębienie, wgniecenie, wklesnięcie**

inductor [N-COUNT-U6] An **inductor** is a two-terminal electrical component that stores energy in its magnetic field. **cewka**

industry standard [N-COUNT-U12] An **industry standard** is a level or norm that an industry (such as the electronics industry) sets and that all pieces of equipment must meet. **standard branżowy**

inner [ADJ-U13] If an object is **inner**, it is inside or towards the center of something. **wewnętrzny**

input [N-UNCOUNT-U7] **Input** is anything that enters a system. **moc wejściowa, wejście, dane wejściowe**

input jack [N-COUNT-U7] An **input jack** receives audio signals and allows people to hear these sounds. **wejście typu jack**

label [V-T-U2] To **label** is to mark or identify something so that it is clear what the thing is. **oznaczyć**

landfill [N-COUNT-U15] A **landfill** is a place specifically designed to store waste. **wysypisko śmieci**

latch [N-COUNT-U11] A **latch** is a bolt or catch that fastens two things together. **zatrzasz**

lay out [PHRASAL V-U1] To **lay out** items is to design or arrange them. **wyłożyć, rozłożyć**

layer [N-COUNT-U12] A **layer** is a piece of material which protects something or which is between other pieces of material. **warstwa**

lead dress [N-UNCOUNT-U13] **Lead dress** is the process of placing and securing wires in an electronic device. **lead dress (sztuka układania kabli)**

leech [V-I-U15] To **leech** is to drain off into the ground. **przenikać, przeciekać**

linear power supply [N-COUNT-U6] A **linear power supply** is a type of electronic power supply that uses a linear regulator in order to set the voltage and protect the power supply. A linear regulator is a variable resistor. **zasilacz liniowy**

line up [V PHRASE-U14] To **line up** something is to make it even with something else. **wyrównać, ustawić w rzędzie**

look up [PHRASAL V-U2] To **look up** is to search for information about something. **wyszukać, znaleźć**

lose track [PHRASAL V-U12] To **lose track** of something is to no longer know where an object is. **zgubić**

mail-order [ADJ-U5] If something is **mail-ordered**, it is delivered through the mail. **zamówiony wysyłkowo**

melt [V-T-U10] To **melt** a substance is to turn it into a liquid using heat. **stopić**

mend [V-T-U14] To **mend** something is to fix it so it can be used again. **naprawiać**

metal shield [N-COUNT-U12] A **metal shield** is a strip of metal that is placed on top of an object to protect it. **metalowa płytka ochronna**

method [N-COUNT-U2] A **method** is a way or process of doing something. **metoda**

microprocessor [N-COUNT-U6] A **microprocessor** is an electronic device inside a computer that allows it to work. It can also be called a processor. **mikroprocesor**

molten [ADJ-U4] **Molten** metal has been made into liquid by being heated to a very high temperature. **roztopiony**

multi-layered [ADJ-U4] If something is **multi-layered**, it has many parts on top of each other. **wielowarstwowy**

multiple [ADJ-U13] **Multiple** means many or involving many things. **wielokrotny**

multi-section [ADJ-U2] If an object is **multi-section**, it is made of more than one part or section. **wieloczęściowy**

navigate [V-I-U1] To **navigate** is to deal with or understand something complicated. **przebrnąć przez coś (zrozumieć)**

necessary [ADJ-U10] If something is **necessary**, it is absolutely required. **konieczny**

noticeable [ADJ-U14] If something is **noticeable**, it is easy to see it. **zauważalny**

nut [N-COUNT-U12] A **nut** is a metal ring or hexagon that a screw fits into. **nakrętka**

obsolete [ADJ-U15] If something is **obsolete**, it has been replaced with a newer model or it is no longer being used. **przestarzały**

output [N-UNCOUNT-U7] **Output** is anything that a system produces. **moc wyjściowa, sygnał wyjściowy, dane wyjściowe**

overall [ADJ-U1] The **overall** of something is the total or complete part of it **całkowity**

overheat [V-T or I-U9] To **overheat** is to grow too hot or to cause something to grow too hot. Overheating often damages the object that becomes too hot. **przegrzać się**

overtighten [V-T-U13] To **overtighten** is to turn a screw until it may cause damage to the screw or a product. **dokręcić nadmiernie (np. śrubę)**

oxidation [N-UNCOUNT-U5] **Oxidation** is the process in which oxygen combines with a substance. It causes rust. **utlenianie**

panel [N-COUNT-U3] A **panel** is a plastic cover. It covers parts of a machine, for example the place where you keep batteries. **panel, płytka**

parallel [ADJ-U11] If two lines run **parallel** to each other, they extend in the same direction, equidistant to each other. **równolegle**

parameters [N-COUNT PLURAL-U8] **Parameters** are a set of limits that control the way that something should be done. **parametry**

passive heat sink [N-COUNT-U9] A **passive heat sink** is a heat sink that has just one fan, inside the computer, to send air across the heat sink and out of the computer. **radiator pasywny**

patience [N-UNCOUNT-U3] **Patience** is a personal quality. If a person has patience, they stay calm when things don't happen quickly. **cierpliwość**

permanent marker [N-COUNT-U11] A **permanent marker** is a writing instrument with ink that does not fade and cannot easily be erased. **marker niezmywalny, pisak niezmywalny**

personal data [N-UNCOUNT-U15] **Personal data** is specific information about a person that can be stored on electronic devices. **dane osobowe**

pictorial diagram [N-COUNT-U1] A **pictorial diagram** shows the parts of an object and how they connect. **schemat obrazkowy**

placement [N-UNCOUNT-U1] The **placement** of an object is the specific place where it is put. **ustawienie**

play back [PHRASAL V-U8] To **play back** something is to listen to or watch a message or video that has already been recorded. **odtwarzanie**

pop [V-T-U10] To **pop** something is to open or release it by applying pressure to it. **otworzyć**

power supply [N-COUNT-U6] A **power supply** is a device that provides electrical energy to at least one electric load. An example of a power supply is a battery. **źródło zasilania**

precisely [ADV-U12] If you do something **precisely**, you do it very correctly or accurately. **precyzyjnie**

pressure [N-UNCOUNT-U14] **Pressure** is the process of applying force to something by pressing on it. **ciśnienie**

process [V-T-U8] To **process** information is to use electronic equipment in order to organize it. **przetwarzać (np. dane)**

pry [V-T-U10] To **pry** something open is to force it open. **podważyć**

reassembly [N-UNCOUNT-U13] **Reassembly** is the process of putting something back together again. **złożyć ponownie**

record [V-T-U8] To **record** is to store sounds or images, so that they can be listened to or watched again. **nagrywać**

recycle [V-T-U15] To **recycle** waste is to process it so it can be reused again. **przetworzyć**

refurbish [V-T-U15] To **refurbish** something is to improve it by installing new parts or cleaning it up. **odświeżyć**

regulation system [N-COUNT-U6] A **regulation system** is a system's ability to make sure that voltage is constant, or near constant. **system regulacji napięcia**

reinforced [ADJ-U11] If an object is **reinforced**, it is made stronger. **wzmocniony**

resonate [V-I-U7] To **resonate** is to make a deep, clear noise that lasts for a long time. **rezonować**

retailer [N-COUNT-U15] A **retailer** is a business that sells items to customers. **sprzedawca detaliczny**

retrieve [V-T-U8] To **retrieve** information is to access information that is stored, in order to use it again. **odzyskać, odnaleźć (np. dane)**

reuse [V-T-U5] To **reuse** an item is to use it again, when it has already been used. **ponownie wykorzystywać**

reverse [V-T-U13] To **reverse** a process is to do the opposite of what was done before. **cofać, odwracać**

ribbon cable [N-COUNT-U11] A **ribbon cable** is a broad and flat cable which contains numerous wires side by side. **kabel wstążkowy**

round [ADJ-U6] If something is **round**, it is in the shape of a circle or a sphere. **okrągły**

schematic diagram [N-COUNT-U1] A **schematic diagram** shows the detailed parts of an item but not the function. **schema budowy**

sealed [ADJ-U3] If something is **sealed**, it has been closed securely. **uszczyplony, opieczętowany, zaplombowany**

seam [N-COUNT-U10] The **seam** is the line where two pieces of material meet. **łączenie**

section [N-COUNT-U1] A **section** is a specific portion or part of something. **sekcja, część**

secure [V-T-U13] To **secure** something is to firmly affix it in position so it will not come loose. **zamocować**

send [V-T-U8] To **send** is to cause a message or signal to go somewhere. **wysyłać**

service manual [N-COUNT-U1] A **service manual** is a book of instructions that usually comes with an electronic device. **instrukcja obsługi**

similar [ADJ-U5] If two components are **similar**, they are very much alike. **podobny**

slice [V-T-U13] To **slice** something is to cut through it. **przeciąć**

slide latch [N-COUNT-U11] A **slide latch** is a latch that can be opened by pulling two tabs. **zatrzasz suwakowy**

slot [N-COUNT-U10] A **slot** is a narrow opening where something is to be inserted. **slot, gniazdo**

smack [V-T-U3] To **smack** something is to hit it hard. **uderzyć**

small-scale [ADJ-U8] If something is **small-scale**, it is not as big as other similar objects. **o małej wielkości**

snap [N-COUNT-U3/10] A **snap** is a mechanical clip that keeps two parts of an object together. **zatrzasz**

snug [ADJ-U14] If something is **snug**, it is close-fitting. **dopasowany**

socket [N-COUNT-U11] A **socket** is an empty space that an object fits or plugs into. **gniazdko elektryczne**

specify [V-T-U1] To **specify** something is to clearly state a detail. **precyzować**

speed [N-COUNT/UNCOUNT-U9] **Speed** is the rate at which a person or object travels or moves. **prędkość**

square [ADJ-U6] If something is **square**, it is made up of four straight lines that are the same length. These lines meet to form corners, known as right angles. **kwadratowy, w kształcie kwadratu**

stack [V-T-U12] To **stack** something is to put one object on top of another. **układać w stos**

standardize [V-T-U2] To **standardize** is to make an object match or be on the same level as a particular standard. **normalizować, ujednolicić**

standardized [ADJ-U5] If a component is **standardized**, how it — and all other duplicate components — is built and used never changes. **znormalizowany, ujednolicony**

stockpile [N-COUNT-U5] A **stockpile** is an accumulation of certain items. **zapas, skład**

stripped [ADJ-U14] If a screw is **stripped**, it means it has been tightened to the point where it will no longer stay in place properly. **uszkodzony (tu: o śrubce)**

stuck [ADJ-U3] If something is **stuck**, it won't move or open. **zablokowany (niedający się poruszyć)**

sturdy [ADJ-U14] If something is **sturdy**, it is solid or strong. **wytrzymały**

style [N-COUNT-U14] A **style** is an identifiable form of an object. **rodzaj, model, styl**

substitute [V-T-U5] To **substitute** an object is to replace an object with a different object. **zastępować**

suck [V-T-U4] To **suck** something is to remove it using a vacuum. **zasysać, zassąć**

switching supply [N-COUNT-U6] A **switching supply** is a type of electronic power supply that uses a switching regulator to move back and forth from the “off” to “on” position. This reduces wasted energy and regulates output voltage. A switching regulator is a switch. **zasilacz z przełącznikiem**

synthesize [V-T-U8] To **synthesize** sound is to use electronics in order to make sounds, music or speech. **syntetyzować**

tab [N-COUNT-U11] A **tab** is small strip of material on an object, which is pulled to open something. **uszko (np. do otwierania puszki)**

tack down [PHRASAL V-U13] To **tack down** something is to secure it to another object using an adhesive. **przykleić**

take in [PHRASAL V-U8] To **take in** something is to receive something, such as information. **przyjąć (np. informację)**

test out [PHRASAL V] To **test out** something is to see if it works properly. **przetestować**

thermal absorption [N-UNCOUNT-U4] **Thermal absorption** is when heat is taken up by something. **absorpcja cieplna**

thermal conductor [N-COUNT-U9] A **thermal conductor** is a device used to move heat away from a computer’s central processing unit. **przewodnik cieplny**

toroid [ADJ-U6] If something is **toroid** shaped, it is in the shape of a ring and has a circular hole in the center. **w kształcie toroidu (pierścienia)**

toxic [ADJ-U15] If something is **toxic**, it contains poisonous substances. **toksyczny**

transducer [N-COUNT-U7] A **transducer** is a device that receives power from one source then alters that power so that another system can use it. **transduktor**

tuning [N-UNCOUNT-U8] **Tuning** is the act of setting a radio or television to receive a specific program or station. **strojenie (np. radia)**

unhook [V-T-U10] To **unhook** something is to unfasten it. **odpinać, rozpinac**

unique [ADJ-U2] If something is **unique**, it is one of a kind. **unikatowy**

unrelated [ADJ-U2] If something is **unrelated** to something else, it is not connected or related to that thing. **niepowiązany, niezwiązany**

varactor [N-COUNT-U7] A **varactor** is a voltage-variable capacitor that helps to control tuning. **waraktor, dioda pojemnościowa**

visible [ADJ-U10] If something is **visible**, it is able to be seen by the naked eye. **widoczny gołym okiem**

voltage inverter [N-COUNT-U6] A **voltage inverter** is a special kind of power supply that takes low voltage and turns it into high voltage. A voltage inverter is like a small switching supply. **przetwornica**

weak [ADJ-U14] If something is **weak**, it is not strong or sturdy. **słaby (o konstrukcji)**

wipe [V-T-U13] To **wipe** is to rub something on an object with light strokes. **przecierać**

wobbly [ADJ-U14] If something is **wobbly**, it is not stable and moves or shakes when pressure is applied. **chybotliwy**