

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

## CHAPTER 85

### ELECTRICAL MACHINERY AND EQUIPMENT AND PARTS THEREOF; SOUND RECORDERS AND REPRODUCERS, TELEVISION IMAGE AND SOUND RECORDERS AND REPRODUCERS, AND PARTS AND ACCESSORIES OF SUCH ARTICLES

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#### Notes

1. This chapter does not cover:

- (a) Electrically warmed blankets, bed pads, foot-muffs or the like; electrically warmed clothing, footwear or ear pads or other electrically warmed articles worn on or about the person;
- (b) Articles of glass of heading 7011; or
- (c) Electrically heated furniture of chapter 94.

2. Headings 8501 to 8504 do not apply to goods described in heading 8511, 8512, 8540, 8541 or 8542.

However, metal tank mercury arc rectifiers remain classified in heading 8504.

3. Heading 8509 covers only the following electromechanical machines of the kind commonly used for domestic purposes:

- (a) Vacuum cleaners, floor polishers, food grinders, processors or mixers, and fruit or vegetable juice extractors, of any weight;
- (b) Other machines provided the weight of such machines does not exceed 20 kg, exclusive of extra interchangeable parts or detachable auxiliary devices.

The heading does not, however, apply to fans or ventilating or recycling hoods incorporating a fan, whether or not fitted with filters (heading 8414), centrifugal clothes dryers (heading 8421), dishwashing machines (heading 8422), household washing machines (heading 8450), roller or other ironing machines (heading 8420 or 8451), sewing machines (heading 8452), electric scissors (heading 8508) or to electrothermic appliances (heading 8516).

4. For the purposes of heading 8534 "printed circuits" are circuits obtained by forming on an insulating base, by any printing process (for example, embossing, plating-up, etching) or by the "film circuit" technique, conductor elements, contacts or other printed components (for example, inductances, resistors, capacitors) alone or interconnected according to a pre-established pattern, other than elements which can produce, rectify, modulate or amplify an electrical signal (for example, semiconductor elements).

The term "printed circuits" does not cover circuits combined with elements other than those obtained during the printing process, nor does it cover individual, discrete resistors, capacitors or inductances. Printed circuits may, however, be fitted with non-printed connecting elements.

Thin- or thick-film circuits comprising passive and active elements obtained during the same technological process are to be classified in heading 8542.

5. For the purposes of headings 8541 and 8542:

- (a) "Diodes, transistors and similar semiconductor devices" are semiconductor devices the operation of which depends on variations in resistivity on the application of an electric field;
- (b) "Electronic integrated circuits and microassemblies" are:
  - (i) Monolithic integrated circuits in which the circuit elements (diodes, transistors, resistors, capacitors, interconnections, etc.) are created in the mass (essentially) and on the surface of a semiconductor material (doped silicon, for example) and are inseparably associated;
  - (ii) Hybrid integrated circuits in which passive elements (resistors, capacitors, interconnections, etc.) obtained by thin- or thick-film technology and active elements (diodes, transistors, monolithic integrated circuits, etc.) obtained by semiconductor technology, are combined to all intents and purposes indivisibly, on a single insulating substrate (glass, ceramic, etc.). These circuits may also include discrete components;
  - (iii) Microassemblies of the molded module, micromodule or similar types, consisting of discrete, active or both active and passive, components which are combined and interconnected.

For the classification of the articles defined in this note, headings 8541 and 8542 shall take precedence over any other heading in the tariff schedule which might cover them by reference to, in particular, their function.

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## Notes (con.)

6. Records, tapes and other media of heading 8523 or 8524 remain classified in those headings, whether or not they are entered with the apparatus for which they are intended.
7. For the purposes of heading 8548, "spent primary cells, spent primary batteries and spent electric storage batteries" are those which are neither usable as such because of breakage, cutting up, wear or other reasons, nor capable of being recharged.

## Subheading Note

1. Subheadings 8519.92 and 8527.12 cover only cassette players with built-in amplifier, without built-in loudspeaker, capable of operating without an external source of electric power and the dimensions of which do not exceed 170 mm x 100 mm x 45 mm.

## Additional U.S. Notes

1. For the purposes of headings 8501 and 8503, 746 watts (W) is taken to be equivalent to 1 horsepower (hp).
2. For the purposes of subheading 8516.72, the term "toasters" includes toaster-ovens which are designed essentially for toasting bread but can also bake small items, such as potatoes.
3. For the purposes of heading 8525 the term "transceivers" refers to combinations of radio transmitting and receiving equipment in a common housing, employing common circuit components for both transmitting and receiving, and which are not capable of simultaneously receiving and transmitting.
4. For the purposes of 8529.90.03, 8529.90.06, 8529.90.33, 8529.90.36, 8529.90.43, 8529.90.46, 8529.90.88 and 8529.90.89:
  - (a) Each subassembly that contains as a component, or is covered in the same entry with, one or more of the following television components, viz.,

tuner, channel selector assembly, antenna, deflection yoke, degaussing coil, picture tube mounting bracket, grounding assembly, parts necessary for fixing the picture tube or tuner in place, consumer-operated controls or speaker,

shall be classified in subheading 8529.90.03, 8529.90.33, 8529.90.43 or 8529.90.88, as appropriate; and
  - (b) Each subassembly shall be counted as a single unit, except that two or more different printed circuit boards or ceramic substrates covered by the same entry and designed for assembly into the same television models shall be counted as one unit.
5. Picture tubes imported in combination with, or incorporated into, other articles are to be classified in subheadings 8540.11 through 8540.12, inclusive, unless they are--
  - (a) incorporated into complete television receivers, as defined in additional U.S. note 6 below;
  - (b) incorporated into fully assembled units such as word processors, ADP terminals, or similar articles;
  - (c) put up in kits containing all the parts necessary for assembly into complete television receivers, as defined in additional U.S. note 6 below; or
  - (d) put up in kits containing all the parts necessary for assembly into fully assembled units such as word processors, ADP terminals, or similar articles.
6. For the purposes of additional U.S. note 5 above the term "complete television receivers" means television receivers, fully assembled in their cabinets, whether or not packaged or tested for distribution to the ultimate purchaser(s).

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## Additional U.S. Notes (con.)

7. Subheading 8517.90.04 covers the following parts of facsimile machines:
  - (a) Control or command assemblies, incorporating more than one of the following: printed circuit assembly, modem, hard or flexible (floppy) disk drive, keyboard, user interface;
  - (b) Optics module assemblies, incorporating more than one of the following: optics lamp, charge couples device and appropriate optics, lenses, mirrors;
  - (c) Laser imaging assemblies, incorporating more than one of the following: photoreceptor belt or cylinder, toner receptacle unit, toner developing unit, charge/discharge units, cleaning unit;
  - (d) Ink jet marking assemblies, incorporating more than one of the following: thermal print head, ink dispensing unit, nozzle and reservoir unit, ink heater;
  - (e) Thermal transfer imaging assemblies, incorporating more than one of the following: thermal print head, cleaning unit, supply or take-up roller;
  - (f) Ionographic imaging assemblies, incorporating more than one of the following: ion generation and emitting unit, air assist unit, printed circuit assembly, charge receptor belt or cylinder, toner receptacle unit, toner distribution unit, developer receptacle and distribution unit, developing unit, charge/discharge unit, cleaning unit;
  - (g) Image fixing assemblies, incorporating more than one of the following: fuser, pressure roller, heating elements, release oil dispenser, cleaning unit, electrical control;
  - (h) Paper handling assemblies, incorporating more than one of the following: paper transport belt, roller, print bar, carriage, gripper roller, paper storage unit, exit tray; and
  - (i) Combinations of the above specified assemblies.
8. For the purposes of this chapter, references to "high definition" as it applies to television receivers and cathode-ray tubes refer to articles having:
  - (a) a screen aspect ratio equal to or greater than 16:9; and
  - (b) a viewing screen capable of displaying more than 700 scanning lines.
9. For the purposes of this chapter, the video display diagonal is determined by measuring the maximum straight line dimension across the visible portion of the faceplate used for displaying video.
10. Subheadings 8529.90.29, 8529.90.33, 8529.90.36 and 8529.90.39 cover the following parts of television receivers (including video monitors and video projectors):
  - (a) Video intermediate (IF) amplifying and detecting systems;
  - (b) Video processing and amplification systems;
  - (c) Synchronizing and deflection circuitry;
  - (d) Tuners and tuner control systems; and
  - (e) Audio detection and amplification systems.
11. For the purposes of subheading 8540.91.15, the term "front panel assembly" refers to:
  - (a) with respect to a color cathode-ray television picture tube, an assembly which consists of a glass panel and a shadow mask or aperture grille, attached for ultimate use, which is suitable for incorporation into a color cathode-ray television picture tube (including video monitor cathode-ray tube), and which has undergone the necessary chemical and physical processes for imprinting phosphors on the glass panel with sufficient precision to render a video image when excited by a stream of electrons; or
  - (b) with respect to a monochrome cathode-ray picture tube, an assembly which consists of either a glass panel or a glass envelope, which is suitable for incorporation into a monochrome cathode-ray television picture tube (including video monitor or video projector cathode-ray tube), and which has undergone the necessary chemical and physical processes for imprinting phosphors on the glass panel or glass envelope with sufficient precision to render a video image when excited by a stream of electrons.

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## Additional U.S. Notes (con.)

12. For the purposes of subheading 8538.90.10, the expression "articles described in additional U.S. note 12 to chapter 85" means any of the following goods: spin dryers of subheading 8421.19.30; deflash machines of subheading 8424.30 for cleaning or removing contaminants from the metal leads of semiconductor packages prior to electroplating (deflash by projectile beads); spraying appliances of subheading 8424.89.30; machines or appliances of subheading 8424.89.50; automated machinery of subheading 8428.20, 8428.33, 8428.39 or 8428.90 for transport, handling and storage of semiconductor wafers, wafer cassettes, wafer boxes and other materials for semiconductor devices; machines of subheading 8456.10.60; machines of subheading 8456.91; machines of subheading 8456.99.10; machines of subheading 8456.99.70; machines of subheading 8462.21.40 or 8462.29.40; machines of subheading 8464.10 for sawing monocrystal semiconductor boules into slices, or wafers into chips; machines of subheading 8464.20.10; machines of subheading 8464.90.10 or 8464.90.60; deflash machines of subheading 8465.99.40; articles of subheading 8469.11, heading 8470 or heading 8471; automatic teller machines of subheading 8472.90.10; machines of subheading 8477.10.70, 8477.40.40 or 8477.59.40; machines of subheading 8479.89.85 for processing of semiconductor materials or for production and assembly of diodes, transistors and similar semiconductor devices and electronic integrated circuits; machines of subheading 8479.89.87; furnaces and ovens of subheading 8514.10 or 8514.20 for the manufacture of semiconductor devices on semiconductor wafers; furnaces and ovens of subheading 8514.30.60; die attach apparatus, tape automated bonders and wire bonders of subheading 8515.80 for assembly of semiconductors; articles of heading 8517; articles of subheading 8520.20; transmission apparatus of subheading 8525.10.10 or 8525.10.90; articles of subheading 8525.20; digital still image video cameras of subheading 8525.40.40; article of subheading 8527.90.40; paging receivers of subheading 8527.90.85; ion implanters of subheading 8543.11 designed for doping semiconductor materials; articles of subheading 8543.89.92; photocopying apparatus of subheading 9009.11 or 9009.21; apparatus of subheading 9010.41, 9010.42 or 9010.49; apparatus of subheading 9010.50.60 for the projection or drawing of circuit patterns on flat panel displays; plotters of subheading 9017.10.40 or 9017.20.70; pattern generating apparatus of subheading 9017.20.50; instruments and apparatus of heading 9026; instruments and apparatus of heading 9027 except of subheading 9027.10, 9027.40 or 9027.90.20; instruments and apparatus of subheading 9030.40; instruments and apparatus of subheading 9030.82; optical instruments and appliances of subheading 9031.41; optical instruments and appliances of subheading 9031.49.70; articles of subheading 9031.80.40.

## Statistical Notes

1. For the purposes of this chapter the terms "AM" and "FM" refer to the entertainment broadcast bands of 550-1650 kHz and 88-108 MHz, respectively.
2. For statistical reporting purposes under subheading 8539.10, the size of a sealed beam lamp unit is determined by measuring the largest diagonal dimension across the faceplate.
3. For statistical reporting purposes under subheading 8544.70, the unit of quantity "fiber m", as it pertains to optical fiber cables, is determined by multiplying the number of individual fibers contained therein by the length in meters.
4. For statistical reporting purposes under subheadings 8525.10.70, 8525.10.90, 8525.20.30 and 8527.90.95, the lowest operating frequency will determine the classification.
5. For statistical reporting purposes in heading 8542 the following definitions will apply:
  - (a) The term "static read-write random access (SRAM)" refers to integrated circuit memory devices in which the memory cells may be addressed in any sequence, randomly, for the storage or retrieval of data and in which the stored information is retained without further intervention as long as electric power is supplied to the device.
  - (b) The term "volatile memory" refers to integrated circuit memory devices which lose all stored information in the absence of electric power.
  - (c) The term "dynamic read-write random access (DRAM)" refers to integrated circuit memory devices in which the memory cells may be addressed in any sequence, randomly, for the storage or retrieval of data and in which the stored information must continually be refreshed in order to hold the information in memory.
  - (d) The term "electrically erasable programmable read-only memory (EEPROM)" refers to user programmable integrated circuit memory devices which retain the stored information in the absence of electric power and in which the stored information may be altered electrically.
  - (e) The term "erasable (except electrically) programmable read-only memory (EPROM)" refers to user programmable integrated circuit memory devices which retain the stored information in the absence of electric power and from which the stored information may be removed (except electrically). Such devices are usually erased by exposure to ultraviolet light after which they may be rewritten with new information.
  - (f) The term "microprocessor" refers to a central processing unit (CPU) fabricated as a monolithic integrated circuit.
  - (g) The term "kilobit" refers to 1,024 bits of data storage capacity and the term "megabit" refers to 1,024 kilobits of data storage capacity.
6. For statistical reporting purposes under subheading 8532.22, the diameter of aluminum electrolytic capacitors not having a circular cross-section shall be the maximum dimension measured through the center.

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Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8501		Electric motors and generators (excluding generating sets):				
8501.10		Motors of an output not exceeding 37.5 W:				
		Of under 18.65 W:				
8501.10.20	00	Synchronous, valued not over \$4 each . . . . .	No. . . . .	6.7%	Free (A,B,CA,E,IL, J,MX)	90%
8501.10.40		Other . . . . .		4.4%	Free (A,B,CA,E,IL, J,MX)	35%
	20	AC . . . . .	No.			
		DC:				
	40	Brushless . . . . .	No.			
	60	Other . . . . .	No.			
	80	Other . . . . .	No.			
8501.10.60		Of 18.65 W or more but not exceeding 37.5 W . . . . .		2.8%	Free (A,B,CA,E,IL, J,MX)	35%
	20	AC . . . . .	No.			
		DC:				
	40	Brushless . . . . .	No.			
	60	Other . . . . .	No.			
	80	Other . . . . .	No.			
8501.20		Universal AC/DC motors of an output exceeding 37.5 W:				
8501.20.20	00	Exceeding 37.5 W but not exceeding 74.6 W . . . . .	No. . . . .	3.3%	Free (A,B,CA,E,IL, J,MX)	35%
8501.20.40	00	Exceeding 74.6 W but not exceeding 735 W . . . . .	No. . . . .	4%	Free (A,B,CA,E,IL, J,MX)	35%
8501.20.50	00	Exceeding 735 W but under 746 W . . . . .	No. . . . .	3.3%	Free (A,B,C,CA,E, IL,J,MX)	35%
8501.20.60	00	Other . . . . .	No. . . . .	2.4%	Free (A,B,C,CA,E, IL,J,MX)	35%
8501.31		Other DC motors; DC generators: Of an output not exceeding 750 W:				
		Motors:				
8501.31.20	00	Exceeding 37.5 W but not exceeding 74.6 W . . . . .	No. . . . .	2.8%	Free (A,B,CA,E,IL, J,MX)	35%
8501.31.40	00	Exceeding 74.6 W but not exceeding 735 W . . . . .	No. . . . .	4%	Free (A,B,CA,E,IL, J,MX)	35%
8501.31.50	00	Exceeding 735 W but under 746 W . . . . .	No. . . . .	3.3%	Free (A,B,C,CA,E, IL,J,MX)	35%
8501.31.60	00	Other . . . . .	No. . . . .	2.4%	Free (A,B,C,CA,E, IL,J,MX)	35%
8501.31.80	00	Generators . . . . .	No. . . . .	2.5%	Free (A,B,C,CA,E, IL,J,MX)	35%
8501.32		Of an output exceeding 750 W but not exceeding 75 kW:				
		Motors:				
8501.32.20	00	Exceeding 750 W but not exceeding 14.92 kW . . . . .	No. . . . .	2.9%	Free (A,B,C,CA,E, IL,J,MX)	35%
		Other:				
8501.32.45	00	Electric motors of a kind used as the primary source of mechanical power for electrically powered vehicles of subheading 8703.90 . . . . .	No. . . . .	Free		35%
8501.32.55		Other . . . . .		Free		35%
	20	For use in civil aircraft <sup>1/</sup> . . . . .	No.			
	40	Other . . . . .	No.			
8501.32.60	00	Generators . . . . .	No. . . . .	2%	Free (A,B,C,CA,E, IL,J,MX)	35%

<sup>1/</sup> See General Note 6.

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Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8501 (con.)		Electric motors and generators (excluding generating sets) (con.):				
8501.33		Other DC motors; DC generators (con.):				
		Of an output exceeding 75 kW but not exceeding 375 kW:				
		Motors:				
8501.33.20		Exceeding 75 kW but under 149.2 kW . . . . .	No.	Free		35%
	40	For use in civil aircraft <sup>1/</sup> . . . . .	No.			
	80	Other . . . . .	No.			
8501.33.30	00	149.2 kW or more but not exceeding 150 kW . . . . .	No.	2.8%	Free (A,C,CA,E,IL,J,MX)	35%
8501.33.40		Other . . . . .	No.	2.8%	Free (A,CA,E,IL,J,MX)	35%
	40	Not exceeding 373 kW . . . . .	No.			
	60	Other . . . . .	No.			
8501.33.60	00	Generators . . . . .	No.	2.5%	Free (A,B,C,CA,E,IL,J,MX)	35%
8501.34		Of an output exceeding 375 kW:				
8501.34.30	00	Motors . . . . .	No.	2.8%	Free (A,CA,E,IL,J,MX)	35%
8501.34.60	00	Generators . . . . .	No.	2%	Free (A,B,C,CA,E,IL,J,MX)	35%
8501.40		Other AC motors, single-phase:				
8501.40.20		Of an output exceeding 37.5 W but not exceeding 74.6 W . . . . .	No.	3.3%	Free (A,B,CA,E,IL,J,MX)	35%
	20	Gear motors . . . . .	No.			
	40	Other . . . . .	No.			
8501.40.40		Of an output exceeding 74.6 W but not exceeding 735 W . . . . .	No.	4%	Free (A,B,CA,E,IL,J,MX)	35%
	20	Gear motors . . . . .	No.			
	40	Other . . . . .	No.			
8501.40.50		Of an output exceeding 735 W but under 746 W . . . . .	No.	3.3%	Free (A,B,C,CA,E,IL,J,MX)	35%
	20	Gear motors . . . . .	No.			
	40	Other . . . . .	No.			
8501.40.60		Other . . . . .	No.	3.7%	Free (A,B,C,CA,E,IL,J,MX)	35%
	20	Gear motors . . . . .	No.			
	40	Other . . . . .	No.			
8501.51		Other AC motors, multi-phase:				
8501.51.20		Of an output not exceeding 750 W:				
		Exceeding 37.5 W but not exceeding 74.6 W . . . . .	No.	2.5%	Free (A,B,CA,E,IL,J,MX)	35%
	20	Gear motors . . . . .	No.			
	40	Other . . . . .	No.			
8501.51.40		Exceeding 74.6 W but not exceeding 735 W . . . . .	No.	2.5%	Free (A,B,CA,E,IL,J,MX)	35%
	20	Gear motors . . . . .	No.			
	40	Other . . . . .	No.			
8501.51.50		Exceeding 735 W but under 746 W . . . . .	No.	3.3%	Free (A,B,C,CA,E,IL,J,MX)	35%
	20	Gear motors . . . . .	No.			
	40	Other . . . . .	No.			
8501.51.60		Other . . . . .	No.	2.5%	Free (A,B,C,CA,E,IL,J,MX)	35%
	20	Gear motors . . . . .	No.			
	40	Other . . . . .	No.			

<sup>1/</sup> See General Note 6.

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Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8501 (con.)		Electric motors and generators (excluding generating sets) (con.):				
		Other AC motors, multi-phase (con.):				
8501.52		Of an output exceeding 750 W but not exceeding 75 kW:				
8501.52.40	00	Exceeding 750 W but not exceeding 14.92 kW	No.	3.7%	Free (A,B,C,CA,E,IL,J,MX)	35%
8501.52.80		Other		Free		35%
	20	For use in civil aircraft <sup>1/</sup>	No.			
	40	Other	No.			
8501.53		Of an output exceeding 75 kW:				
8501.53.40		Exceeding 75 kW but under 149.2 kW		Free		35%
	40	For use in civil aircraft <sup>1/</sup>	No.			
	80	Other	No.			
8501.53.60	00	149.2 kW or more but not exceeding 150 kW		4.2%	Free (A,C,CA,E,IL,J,MX)	35%
8501.53.80		Other		2.8%	Free (A,CA,E,IL,J,MX)	35%
	40	Not exceeding 373 kW	No.			
	60	Other	No.			
8501.61.00	00	AC generators (alternators):				
		Of an output not exceeding 75 kVA	No.	2.5%	Free (A,B,C,CA,E,IL,J,MX)	35%
8501.62.00	00	Of an output exceeding 75 kVA but not exceeding 375 kVA	No.	2.5%	Free (A,B,C,CA,E,IL,J,MX)	35%
8501.63.00	00	Of an output exceeding 375 kVA but not exceeding 750 kVA	No.	2.5%	Free (A,B,C,CA,E,IL,J,MX)	35%
8501.64.00		Of an output exceeding 750 kVA		2.4%	Free (A,B,CA,E,IL,J,MX)	35%
	20	Exceeding 750 kVA but not exceeding 10,000 kVA	No.			
	30	Exceeding 10,000 kVA but not exceeding 40,000 kVA	No.			
	50	Other	No.			

<sup>1/</sup> See General Note 6.

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Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8502		Electric generating sets and rotary converters: Generating sets with compression-ignition internal combustion piston engines (diesel or semi-diesel engines):				
8502.11.00	00	Of an output not exceeding 75 kVA .....	No. ....	2.5%	Free (A,B,C,CA,E,IL,J,MX)	35%
8502.12.00	00	Of an output exceeding 75 kVA but not exceeding 375 kVA .....	No. ....	2.5%	Free (A,B,C,CA,E,IL,J,MX)	35%
8502.13.00		Of an output exceeding 375 kVA .....		2%	Free (A,B,C,CA,E,IL,J,MX)	35%
	20	Exceeding 375 kVA but not exceeding 1,000 kVA .....	No.			
	40	Exceeding 1,000 kVA .....	No.			
8502.20.00		Generating sets with spark-ignition internal combustion piston engines .....		2%	Free (A,B,C,CA,E,IL,J,MX)	35%
	30	Of an output under 1.5 kW .....	No.			
	60	Of an output 1.5 kW or greater but not exceeding 5 kW .....	No.			
	80	Of an output exceeding 5 kW .....	No.			
8502.31.00	00	Other generating sets: Wind-powered .....	No. ....	2.5%	Free (A,B,C,CA,E,IL,J,MX)	35%
8502.39.00	00	Other .....	No. ....	2.5%	Free (A,B,C,CA,E,IL,J,MX)	35%
8502.40.00	00	Electric rotary converters .....	No. ....	3%	Free (A,B,C,CA,E,IL,J,MX)	35%
8503.00		Parts suitable for use solely or principally with the machines of heading 8501 or 8502:				
8503.00.20	00	Commutators .....	No. ....	2.4%	Free (A,B,CA,E,IL,J,MX)	35%
8503.00.35	00	Stators and rotors for the goods of heading 8501: For motors of under 18.65 W .....	X .....	6.5%	Free (A,B,CA,E,IL,J,MX)	90%
8503.00.45	00	For generators suitable for use on aircraft .....	X .....	Free		35%
8503.00.65	00	Other .....	X .....	3%	Free (A*,B,CA,E,IL,J,MX)	35%
8503.00.75	00	Other: For motors of under 18.65 W .....	X .....	6.5%	Free (A,B,CA,E,IL,J,MX)	90%
8503.00.90	00	For generators suitable for use on aircraft .....	X .....	Free		35%
8503.00.95		Other .....		3%	Free (A,B,CA,E,IL,J,MX)	35%
	20	Parts of motors .....	X			
	45	Parts of generators .....	X			
	60	Other .....	X			



# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-9

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8504		Electrical transformers, static converters (for example, rectifiers) and inductors; parts thereof:				
8504.10.00	00	Ballasts for discharge lamps or tubes	No.	3%	Free (A,B,C,CA,E,IL,J,MX)	35%
8504.21.00		Liquid dielectric transformers:				
	20	Having a power handling capacity not exceeding 650 kVA		Free		35%
	40	Having a power handling capacity not exceeding 50 kVA	No.			
	60	Having a power handling capacity exceeding 50 kVA but not exceeding 100 kVA	No.			
	80	Having a power handling capacity exceeding 100 kVA but not exceeding 500 kVA	No.			
8504.22.00		Having a power handling capacity exceeding 500 kVA but not exceeding 650 kVA	No.			
	40	Having a power handling capacity exceeding 650 kVA but not exceeding 10,000 kVA		Free		35%
	80	Having a power handling capacity exceeding 650 kVA but not exceeding 2,500 kVA	No.			
8504.23.00		Having a power handling capacity exceeding 2,500 kVA but not exceeding 10,000 kVA	No.			
	40	Having a power handling capacity exceeding 10,000 kVA		1.6%	Free (A,CA,E,IL,J,MX)	35%
	80	Having a power handling capacity exceeding 10,000 kVA but not exceeding 100,000 kVA	No.			
		Having a power handling capacity exceeding 100,000 kVA	No.			
8504.31		Other transformers:				
	00	Having a power handling capacity not exceeding 1 kVA:				
8504.31.20	00	Unrated	No.	Free		35%
8504.31.40		Other:				
	35	Having a power handling capacity less than 1 kVA		6.6%	Free (A,B,C,CA,E,IL,J,MX)	35%
	65	Having a power handling capacity less than 40 VA	No.			
	00	Having a power handling capacity 40 VA or greater	No.			
8504.31.60	00	Having a power handling capacity of 1 kVA	No.	1.6%	Free (A,B,C,CA,E,IL,J,MX)	35%
8504.32.00	00	Having a power handling capacity exceeding 1 kVA but not exceeding 16 kVA	No.	2.4%	Free (A,B,C,CA,E,IL,J,MX)	35%
8504.33.00		Having a power handling capacity exceeding 16 kVA but not exceeding 500 kVA		1.6%	Free (A,B,C,CA,E,IL,J,MX)	35%
	20	Having a power handling capacity exceeding 16 kVA but not exceeding 50 kVA	No.			
	40	Having a power handling capacity exceeding 50 kVA but not exceeding 500 kVA	No.			
8504.34.00	00	Having a power handling capacity exceeding 500 kVA	No.	1.6%	Free (A,B,CA,E,IL,J,MX)	35%

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-10

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8504 (con.)		Electrical transformers, static converters (for example, rectifiers) and inductors; parts thereof (con.):				
8504.40		Static converters:				
8504.40.40	00	Speed drive controllers for electric motors . . . . .	No. . . . .	1.5%	Free (A,B,C,CA,E,IL,J,MX)	35%
8504.40.60		Power supplies for automatic data processing machines or units thereof of heading 8471: Suitable for physical incorporation into automatic data processing machines or units thereof of heading 8471 . . . . .		Free		35%
	01	With a power output not exceeding 50 W . . .	No.			
	07	With a power output exceeding 50 W but not exceeding 150 W . . . . .	No.			
	12	With a power output exceeding 150 W but not exceeding 500 W . . . . .	No.			
8504.40.70	18	Other . . . . .	No.			
		Other . . . . .		Free		35%
	01	With a power output not exceeding 50 W . . .	No.			
	07	With a power output exceeding 50 W but not exceeding 150 W . . . . .	No.			
	12	With a power output exceeding 150 W but not exceeding 500 W . . . . .	No.			
8504.40.85	18	Other . . . . .	No.			
	00	For telecommunication apparatus . . . . .	No. . . . .	Free		35%
8504.40.95		Other . . . . .		1.5%	Free (A,B,C,CA,E,IL,J,MX)	35%
		Rectifiers and rectifying apparatus:				
		Power supplies:				
	10	With a power output not exceeding 50 W . . . . .	No.			
	20	With a power output exceeding 50 W but not exceeding 150 W . . . . .	No.			
	30	With a power output exceeding 150 W but not exceeding 500 W . . . . .	No.			
	40	Other . . . . .	No.			
	50	Other . . . . .	X			
	70	Inverters . . . . .	No.			
	80	Other . . . . .	X			
8504.50		Other inductors:				
8504.50.40	00	For power supplies for automatic data processing machines and units thereof of heading 8471; for telecommunication apparatus . . . . .	No. . . . .	Free		35%
8504.50.80	00	Other . . . . .	No. . . . .	3%	Free (A,B,C,CA,E,IL,J,MX)	35%

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-11

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8504 (con.) 8504.90		Electrical transformers, static converters (for example, rectifiers) and inductors; parts thereof (con.): Parts:				
		Of power supplies for automatic data processing machines or units thereof of heading 8471:				
8504.90.20	00	Printed circuit assemblies . . . . .	No. . . . .	Free		35%
8504.90.40	00	Other . . . . .	X . . . . .	Free		35%
		Other:				
		Printed circuit assemblies:				
8504.90.65	00	Of the goods of subheading 8504.40 or 8504.50 for telecommunication apparatus . . . . .	No. . . . .	Free		35%
8504.90.75	00	Other . . . . .	No. . . . .	2.4%	Free (A,B,CA,E,IL, J,MX)	35%
8504.90.95		Other . . . . .		2.4%	Free (A,B,CA,E,IL, J,MX)	35%
		Ferrites:				
	10	For transformers . . . . .	No.			
	30	Other . . . . .	No.			
		Other parts:				
	40	Of transformers . . . . .	X			
	50	Of static converters . . . . .	X			
	90	Other . . . . .	X			
8505		Electromagnets; permanent magnets and articles intended to become permanent magnets after magnetization; electromagnetic or permanent magnet chucks, clamps and similar holding devices; electromagnetic couplings, clutches and brakes; electromagnetic lifting heads; parts thereof:				
		Permanent magnets and articles intended to become permanent magnets after magnetization:				
8505.11.00	00	Of metal . . . . .	No. . . . .	2.1%	Free (A,B,CA,E,IL, J,MX)	45%
8505.19.00	00	Other . . . . .	No. . . . .	4.9%	Free (A,CA,E,IL,J, MX)	45%
8505.20.00	00	Electromagnetic couplings, clutches and brakes . . . . .	X . . . . .	3.1%	Free (A,B,CA,E,IL, J,MX)	35%
8505.30.00	00	Electromagnetic lifting heads . . . . .	X . . . . .	Free		35%
8505.90		Other, including parts:				
8505.90.40	00	Work holders and parts thereof . . . . .	X . . . . .	Free		30%
8505.90.80	00	Other . . . . .	X . . . . .	1.3%	Free (A,B,CA,E,IL, J,MX)	35%
8506		Primary cells and primary batteries; parts thereof:				
8506.10.00	00	Manganese dioxide . . . . .	No. . . . .	2.7%	Free (A,CA,E,IL,J, MX)	35%
8506.30		Mercuric oxide:				
8506.30.10	00	Having an external volume not exceeding 300 cm <sup>3</sup> . . . . .	No. . . . .	2.7%	Free (A,CA,E, IL,J,MX)	35%
8506.30.50	00	Other . . . . .	No. . . . .	2.7%	Free (A,CA,E,IL,J, MX)	35%
8506.40		Silver oxide:				
8506.40.10	00	Having an external volume not exceeding 300 cm <sup>3</sup> . . . . .	No. . . . .	2.7%	Free (A,CA,E, IL,J,MX)	35%
8506.40.50	00	Other . . . . .	No. . . . .	2.7%	Free (A,CA,E,IL,J, MX)	35%
8506.50.00	00	Lithium . . . . .	No. . . . .	2.7%	Free (A,CA,E,IL,J, MX)	35%
8506.60.00	00	Air-zinc . . . . .	No. . . . .	2.7%	Free (A,CA,E,IL,J, MX)	35%
8506.80.00	00	Other . . . . .	No. . . . .	2.7%	Free (A,CA,E,IL,J, MX)	35%
8506.90.00	00	Parts . . . . .	X . . . . .	2.7%	Free (A,CA,E,IL,J, MX)	35%

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-12

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8507		Electric storage batteries, including separators therefor, whether or not rectangular (including square); parts thereof:				
8507.10.00		Lead-acid storage batteries, of a kind used for starting piston engines		3.5%	Free (A,B,C,CA,E,IL,J,MX)	40%
	30	12 V batteries:				
		Not exceeding 6 kg in weight	No. kg			
	60	Exceeding 6 kg in weight	No. kg			
	90	Other	No. kg			
8507.20		Other lead-acid storage batteries:				
8507.20.40	00	Of a kind used as the primary source of electrical power for electrically powered vehicles of subheading 8703.90	No. kg	3.5%	Free (A,B,CA,E,IL,J,MX)	40%
8507.20.80		Other		3.5% <sup>1/</sup>	Free (A,B,C,CA,E,IL,J,MX)	40%
	30	6 V batteries	No. kg			
	40	12 V batteries	No. kg			
	60	36 V batteries	No. kg			
	90	Other	No. kg			
8507.30		Nickel-cadmium storage batteries:				
8507.30.40	00	Of a kind used as the primary source of electrical power for electrically powered vehicles of subheading 8703.90	No. kg	2.5%	Free (A,B,CA,E,IL,J,MX)	40%
8507.30.80		Other		2.5%	Free (A,B,C,CA,E,IL,J,MX)	40%
	10	Sealed	No.			
	90	Other	No.			
8507.40		Nickel-iron storage batteries:				
8507.40.40	00	Of a kind used as the primary source of electrical power for electrically powered vehicles of subheading 8703.90	No. kg	3.4%	Free (A,B,CA,E,IL,J,MX)	40%
8507.40.80	00	Other	No. kg	3.4%	Free (A,B,C,CA,E,IL,J,MX)	40%
8507.80		Other storage batteries:				
8507.80.40	00	Of a kind used as the primary source of electrical power for electrically powered vehicles of subheading 8703.90	No. kg	3.4%	Free (A,B,CA,E,IL,J,MX)	40%
8507.80.80	00	Other	No. kg	3.4%	Free (A,B,C,CA,E,IL,J,MX)	40%
8507.90		Parts:				
8507.90.40	00	Of lead-acid storage batteries	X	3.5%	Free (A,B,C,CA,E,IL,J,MX)	40%
8507.90.80	00	Other	X	3.4%	Free (A,B,C,CA,E,IL,J,MX)	40%

<sup>1/</sup> See subheading 9903.08.14.

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-13

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8508		Electromechanical tools for working in the hand with self-contained electric motor; parts thereof:				
8508.10.00		Drills of all kinds . . . . .		1.7%	Free (A,CA,E,IL,J, MX)	35%
	10	Rotary: Battery powered . . . . .	No.			
	30	Other: With a chuck capacity of less than 12.7 mm . . . . .	No.			
	50	Other . . . . .	No.			
8508.20.00	70	Other, including hammer drills . . . . .	No.			
		Saws . . . . .		Free		35%
	20	Circular . . . . .	No.			
	40	Chain . . . . .	No.			
	70	Reciprocating and jig . . . . .	No.			
	90	Other . . . . .	No.			
8508.80.00		Other tools . . . . .		Free		35%
		Grinders, polishers and sanders:				
	10	Angle grinders, sanders and polishers . . . . .	No.			
	15	Orbital and straight-line sanders . . . . .	No.			
		Other:				
	25	Belt sanders . . . . .	No.			
	35	Other . . . . .	No.			
	40	Screwdrivers, nut-runners and impact wrenches . . . . .	No.			
	55	Routers . . . . .	No.			
	65	Planers . . . . .	No.			
	70	Grass and weed trimmers/edgers . . . . .	No.			
	80	Electropneumatic rotary and percussion hammers . . . . .	No.			
	85	Electric scissors . . . . .	No.			
	90	Other . . . . .	No.			
8508.90		Parts:				
8508.90.40	00	Housings . . . . .	X . . . . .	Free		35%
8508.90.80	00	Other . . . . .	X . . . . .	Free		35%

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XVI  
85-14

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8509		Electromechanical domestic appliances, with self-contained electric motor; parts thereof:				
8509.10.00		Vacuum cleaners		Free		35%
	20	Portable, hand-held	No.			
	30	Wet/dry type	No.			
		Other:				
	50	Canister/tank type	No.			
		Other:				
	70	Weight not exceeding 5 kg	No.			
	80	Other	No.			
8509.20.00	00	Floor polishers	No.	Free		35%
8509.30.00	00	Kitchen waste disposers (disposals)	No.	Free		40%
8509.40.00		Food grinders, processors and mixers; fruit or vegetable juice extractors		4.2%	Free (A,CA,E,IL,J, MX)	40%
	15	Blenders	No.			
	25	Other food mixers	No.			
	30	Juice extractors	No.			
	40	Food grinders and processors	No.			
8509.80.00		Other appliances		4.2%	Free (A,CA,E,IL,J, MX)	40%
	40	Can openers (including combination units)	No.			
	45	Electric toothbrushes	No.			
		Humidifiers:				
	50	Evaporative	No.			
		Other:				
	70	Ultrasonic	No.			
	80	Other	No.			
	95	Other	No.			
8509.90		Parts:				
		Parts of vacuum cleaners:				
8509.90.05		Housings		2%	Free (A,CA,E,IL,J, MX)	35%
	30	Of wet/dry vacuum cleaners	X			
	60	Other	X			
8509.90.15		Other		2%	Free (A,CA,E,IL,J, MX)	35%
	30	Of wet/dry vacuum cleaners	X			
	60	Other	X			
		Parts of floor polishers:				
8509.90.25	00	Housings	X	3.4%	Free (A,CA,E,IL,J, MX)	35%
8509.90.35	00	Other	X	3.4%	Free (A,CA,E,IL,J, MX)	35%
		Other:				
8509.90.45	00	Housings	X	4.2%	Free (A,CA,E,IL,J, MX)	40%
8509.90.55	00	Other	X	4.2%	Free (A,CA,E,IL,J, MX)	40%
8510		Shavers, hair clippers and hair-removing appliances, with self-contained electric motor; parts thereof:				
8510.10.00	00	Shavers	No.	Free		35%
8510.20.00	00	Hair clippers	No.	4%	Free (A,CA,E,IL,J, MX)	45%
8510.30.00	00	Hair-removing appliances	No.	4.2%	Free (A,CA,E,IL,J, MX)	40%
8510.90		Parts:				
		Parts of shavers:				
8510.90.10	00	Blades and cutting heads	X	Free		27.5%
8510.90.20	00	Other parts of shavers	X	Free		35%
8510.90.30	00	Parts of hair clippers	X	4%	Free (A,CA,E,IL,J, MX)	45%
8510.90.55	00	Other	X	4.2%	Free (A,CA,E,IL,J, MX)	40%

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Annotated for Statistical Reporting Purposes

XVI  
85-15

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8511		Electrical ignition or starting equipment of a kind used for spark-ignition or compression-ignition internal combustion engines (for example, ignition magnetos, magneto-dynamos, ignition coils, spark plugs and glow plugs, starter motors); generators (for example, dynamos, alternators) and cut-outs of a kind used in conjunction with such engines; parts thereof:				
8511.10.00	00	Spark plugs .....	Hundreds	2.5%	Free (A,B,C,CA,E,IL,J,MX)	35%
8511.20.00	00	Ignition magnetos; magneto-dynamos; magnetic flywheels .....	X	2.5%	Free (A,B,C,CA,E,IL,J,MX)	35%
8511.30.00		Distributors; ignition coils .....		2.5%	Free (A,B,C,CA,E,IL,J,MX)	35%
	40	Distributors .....	No.			
	80	Ignition coils .....	No.			
8511.40.00	00	Starter motors and dual purpose starter-generators ...	No.	2.5%	Free (A,B,C,CA,E,IL,J,MX)	35%
8511.50.00	00	Other generators .....	No.	2.5%	Free (A,B,C,CA,E,IL,J,MX)	35%
8511.80		Other equipment:				
		Voltage and voltage-current regulators with cut-out relays:				
8511.80.20	00	Designed for use on 6, 12 or 24 V systems ...	No.	2.5%	Free (A,B,C,CA,E,IL,J,MX)	25%
8511.80.40	00	Other .....	No.	Free		35%
8511.80.60	00	Other .....	X	2.5%	Free (A,B,C,CA,E,IL,J,MX)	35%
8511.90		Parts:				
		Of voltage and voltage-current regulators with cut-out relays:				
8511.90.20	00	Designed for use on 6, 12 or 24 V systems ...	X	3.1%	Free (A,B,CA,E,IL,J,MX)	25%
8511.90.40	00	Other .....	X	Free		35%
8511.90.60		Other parts .....		2.5%	Free (A,B,CA,E,IL,J,MX)	35%
	20	Distributor contact (breaker point) sets .....	No.			
	40	Other .....	X			

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Annotated for Statistical Reporting Purposes

XVI  
85-16

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8512		Electrical lighting or signaling equipment (excluding articles of heading 8539), windshield wipers, defrosters and demisters, of a kind used for cycles or motor vehicles; parts thereof:				
8512.10		Lighting or visual signaling equipment of a kind used on bicycles:				
8512.10.20	00	Lighting equipment . . . . .	X . . . . .	Free		45%
8512.10.40	00	Visual signaling equipment . . . . .	X . . . . .	2.7%	Free (A,CA,E,IL,J, MX)	35%
8512.20		Other lighting or visual signaling equipment:				
8512.20.20	40	Lighting equipment . . . . .		Free		25%
		For the vehicles of subheading 8701.20 or heading 8702, 8703, 8704, 8705 or 8711 . . . . .	X			
	80	Other . . . . .	X			
8512.20.40	40	Visual signaling equipment . . . . .		2.5%	Free (A,B,CA,E,IL, J, MX)	35%
		For the vehicles of subheading 8701.20 or heading 8702, 8703, 8704, 8705 or 8711 . . . . .	X			
	80	Other . . . . .	X			
8512.30.00		Sound signaling equipment . . . . .		2.5%	Free (A,B,CA,E,IL, J, MX)	35%
	20	Horns . . . . .	X			
	40	Other . . . . .	X			
8512.40		Windshield wipers, defrosters and demisters:				
8512.40.20	00	Defrosters and demisters . . . . .	X . . . . .	2.5%	Free (A,CA,E,IL,J, MX)	35%
8512.40.40	00	Windshield wipers . . . . .	X . . . . .	2.5%	Free (A,B,CA,E,IL, J, MX)	25%
8512.90		Parts:				
8512.90.20	00	Of signaling equipment . . . . .	X . . . . .	2.5%	Free (A,B,CA,E,IL, J, MX)	35%
		Of lighting equipment:				
8512.90.40	00	Of a kind used on bicycles . . . . .	X . . . . .	Free		45%
8512.90.60	00	Other . . . . .	X . . . . .	Free		25%
8512.90.70	00	Of defrosters and demisters . . . . .	X . . . . .	2.5%	Free (A,CA,E,IL,J, MX)	35%
8512.90.90	00	Other . . . . .	X . . . . .	2.5%	Free (A,B,CA,E,IL, J, MX)	25%
8513		Portable electric lamps designed to function by their own source of energy (for example, dry batteries, storage batteries, magnetos), other than lighting equipment of heading 8512; parts thereof:				
8513.10		Lamps:				
8513.10.20	00	Flashlights . . . . .	No. . . . .	12.5%	Free (A,CA,E,IL,J, MX)	35%
8513.10.40	00	Other . . . . .	No. . . . .	3.5%	Free (A,CA,E,IL,J, MX)	40%
8513.90		Parts:				
8513.90.20	00	Of flashlights . . . . .	X . . . . .	12.5%	Free (A,CA,E,IL,J, MX)	35%
8513.90.40	00	Other . . . . .	X . . . . .	3.5%	Free (A,CA,E,IL,J, MX)	40%



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XVI  
85-17

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8514		Industrial or laboratory electric (including induction or dielectric) furnaces and ovens; other industrial or laboratory induction or dielectric heating equipment; parts thereof:				
8514.10.00	00	Resistance heated furnaces and ovens . . . . .	No. . . . .	Free		35%
8514.20.00	00	Induction or dielectric furnaces and ovens . . . . .	No. . . . .	Free		35%
8514.30		Other furnaces and ovens:				
8514.30.20	00	For diffusion, oxidation or annealing of semiconductor wafers . . . . .	No. . . . .	Free		35%
		Other:				
8514.30.60	00	For rapid heating of semiconductor wafers . . . . .	No. . . . .	Free		35%
8514.30.80	00	Other . . . . .	No. . . . .	1.3%	Free (A,CA,E,IL,J, MX)	35%
8514.40.00	00	Other induction or dielectric heating equipment . . . . .	X . . . . .	Free		35%
8514.90.00	00	Parts . . . . .	X . . . . .	Free		35%
8515		Electric (including electrically heated gas), laser or other light or photon beam, ultrasonic, electron beam, magnetic pulse or plasma arc soldering, brazing or welding machines and apparatus, whether or not capable of cutting; electric machines and apparatus for hot spraying of metals or cermets; parts thereof:				
		Brazing or soldering machines and apparatus:				
8515.11.00	00	Soldering irons and guns . . . . .	No. . . . .	2.5%	Free (A,CA,E,IL, J, MX)	35%
8515.19.00	00	Other . . . . .	No. . . . .	Free		35%
		Machines and apparatus for resistance welding of metal:				
8515.21.00	00	Fully or partly automatic . . . . .	No. . . . .	Free		35%
8515.29.00	00	Other . . . . .	No. . . . .	Free		35%
		Machines and apparatus for arc (including plasma arc) welding of metals:				
8515.31.00	00	Fully or partly automatic . . . . .	No. . . . .	1.6%	Free (A,CA,E,IL, J, MX)	35%
8515.39.00		Other . . . . .		1.6%	Free (A,CA,E,IL, J, MX)	35%
		Non-rotating type:				
	20	AC transformer type . . . . .	No.			
	40	Other . . . . .	No.			
	60	Rotating type . . . . .	No.			
8515.80.00		Other machines and apparatus . . . . .		Free		35%
	40	Ultrasonic welding machines . . . . .	No.			
	80	Other . . . . .	No.			
8515.90		Parts:				
		Of welding machines and apparatus:				
8515.90.10	00	Of die attach apparatus, tape automated bonders and wire bonders for assembly of semiconductors of subheading 8515.80 . . . . .	X . . . . .	Free		35%
8515.90.30	00	Other . . . . .	X . . . . .	1.6%	Free (A,CA,E,IL, J, MX)	35%
8515.90.40	00	Other parts . . . . .	X . . . . .	Free		35%

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-18

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8516		Electric instantaneous or storage water heaters and immersion heaters; electric space heating apparatus and soil heating apparatus; electrothermic hairdressing apparatus (for example, hair dryers, hair curlers, curling tong heaters) and hand dryers; electric flatirons; other electrothermic appliances of a kind used for domestic purposes; electric heating resistors, other than those of heading 8545; parts thereof:				
8516.10.00		Electric instantaneous or storage water heaters and immersion heaters . . . . .		Free		35%
	40	Storage water heaters . . . No.				
	80	Other water heaters and immersion heaters . . . . .	No.			
		Electric space heating apparatus and electric soil heating apparatus:				
8516.21.00	00	Storage heating radiators . . . . .	No. . . . .	Free		35%
8516.29.00		Other . . . . .		3.7%	Free (A,B,CA,E,IL,J,MX)	35%
		Portable space heaters:				
	30	Fan-forced . . . . .	No.			
	60	Other . . . . .	No.			
	90	Other . . . . .	X			
		Electrothermic hairdressing or hand-drying apparatus:				
8516.31.00	00	Hair dryers . . . . .	No. . . . .	3.9%	Free (A,CA,E,IL,J,MX)	35%
8516.32.00		Other hairdressing apparatus . . . . .		3.9%	Free (A,CA,E,IL,J,MX)	35%
	20	Curlers . . . . .	No.			
	40	Other . . . . .	X			
8516.33.00	00	Hand-drying apparatus . . . . .	No. . . . .	Free		35%
		Electric flatirons:				
8516.40.20	00	Travel type . . . . .	No. . . . .	Free		35%
8516.40.40	00	Other . . . . .	No. . . . .	2.8%	Free (A,CA,E,IL,J,MX)	40%
8516.50.00		Microwave ovens . . . . .		2%	Free (A*,CA,E,IL,J,MX)	35%
	30	Having a capacity not exceeding 22.5 liters . . . . .	No.			
	60	Having a capacity exceeding 22.5 liters but not exceeding 31.0 liters . . . . .	No.			
	90	Having a capacity exceeding 31.0 liters . . . . .	No.			
8516.60		Other ovens; cooking stoves, ranges, cooking plates, boiling rings, grillers and roasters:				
8516.60.40		Cooking stoves, ranges and ovens . . . . .		Free		35%
	60	Microwave oven combinations . . . . .	No.			
		Other:				
	70	Portable . . . . .	No.			
	80	Other . . . . .	No.			
8516.60.60	00	Other . . . . .	No. . . . .	2.7%	Free (A,CA,E,IL,J,MX)	40%

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-19

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8516 (con.)		Electric instantaneous or storage water heaters and immersion heaters; electric space heating apparatus and soil heating apparatus; electrothermic hairdressing apparatus (for example, hair dryers, hair curlers, curling tong heaters) and hand dryers; electric flatirons; other electrothermic appliances of a kind used for domestic purposes; electric heating resistors, other than those of heading 8545; parts thereof (con.): Other electrothermic appliances:				
8516.71.00		Coffee or tea makers .....		3.7% <sup>1/</sup>	Free (A,CA,E,IL,J, MX)	40%
	20	Coffee makers:				
	40	Automatic drip and pump type .....	No.			
	60	Percolator .....	No.			
	80	Other .....	No.			
8516.72.00	00	Toasters .....	No.	5.3%	Free (A,CA,E,IL,J, MX)	40%
8516.79.00	00	Other .....	No.	2.7%	Free (A,CA,E,IL, J,MX)	40%
8516.80		Electric heating resistors:				
8516.80.40	00	Assembled only with simple insulated former and electrical connections, used for anti-icing or deicing .....	X	Free		35%
8516.80.80	00	Other .....	X	Free		35%
8516.90		Parts:				
8516.90.05	00	Of heaters or heating apparatus of subheading 8516.10, 8516.21 or 8516.29 .....	X	3.7%	Free (A,B,CA,E,IL, J,MX)	35%
8516.90.15	00	Housings for the hand-drying apparatus of subheading 8516.33 .....	X	3.9%	Free (A,CA,E,IL,J, MX)	35%
8516.90.25	00	Housings and steel bases for the electric flatirons of subheading 8516.40 .....	X	3.9%	Free (A,CA,E,IL,J, MX)	35%
8516.90.35	00	Parts for the microwave ovens of subheading 8516.50: Assemblies, incorporating more than one of the following: cooking chamber; structural supporting chassis; door; outer case .....	X	Free		35%
8516.90.45	00	Printed circuit assemblies .....	X	Free		35%
8516.90.50	00	Other .....	X	Free		35%
8516.90.55	00	Parts for the cooking stoves, ranges and ovens of subheading 8516.60.40: Cooking chambers, whether or not assembled .....	X	Free		35%
8516.90.65	00	Top surface panels with or without heating elements or controls .....	X	Free		35%
8516.90.75	00	Door assemblies, incorporating more than one of the following: inner panel; outer panel; window; insulation .....	X	Free		35%
8516.90.80	00	Other .....	X	Free		35%
8516.90.85	00	Housings for toasters .....	X	3.9%	Free (A,CA,E,IL,J, MX)	35%
8516.90.90	00	Other .....	X	3.9%	Free (A,CA,E,IL,J, MX)	35%

<sup>1/</sup> See subheading 9903.08.15.

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-20

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8517		Electrical apparatus for line telephony or line telegraphy, including line telephone sets with cordless handsets and telecommunication apparatus for carrier-current line systems or for digital line systems; videophones; parts thereof:				
		Telephone sets; videophones:				
8517.11.00	00	Line telephone sets with cordless handsets . . . . .	No. . . . .	Free		35%
8517.19		Other:				
8517.19.40	00	Videophones . . . . .	No. . . . .	Free		35%
8517.19.80		Other . . . . .		Free		35%
		Single line:				
		Without special features:				
	20	Tone signaling only . . . . .	No.			
	40	Other . . . . .	No.			
		Other (such as memory, redial, autodial, speaker and the like):				
	50	Incorporating an automatic answering device . . . . .	No.			
	70	Other . . . . .	No.			
	80	Multiline (including key, call director and consoles) . . . . .	No.			
		Facsimile machines and teleprinters:				
8517.21.00	00	Facsimile machines . . . . .	No. . . . .	Free		35%
8517.22.00	00	Teleprinters . . . . .	No. . . . .	Free		35%
8517.30		Telephonic or telegraphic switching apparatus:				
		Telephonic switching apparatus (including private branch exchange and key system switching apparatus):				
8517.30.15	00	Central office switching apparatus . . . . .	No. . . . .	Free		35%
8517.30.20	00	Private branch exchange switching apparatus . . . . .	No. . . . .	Free		35%
8517.30.25	00	Electronic key telephone systems . . . . .	No. . . . .	Free		35%
8517.30.30	00	Other . . . . .	No. . . . .	Free		35%
8517.30.50	00	Other . . . . .	X . . . . .	Free		35%
8517.50		Other apparatus, for carrier-current line systems or for digital line systems:				
8517.50.10	00	Modems, of a kind used with data processing machines of heading 8471 . . . . .	No. . . . .	Free		35%
		Other:				
8517.50.50	00	Telephonic . . . . .	X . . . . .	Free		35%
		Telegraphic:				
8517.50.60	00	For carrier-current line systems . . . . .	X . . . . .	Free		35%
8517.50.90	00	Other . . . . .	X . . . . .	Free		35%
8517.80		Other apparatus:				
8517.80.10		Telephonic . . . . .		Free		35%
	10	Intercom systems . . . . .	No.			
	20	Other . . . . .	X			
8517.80.20	00	Telegraphic . . . . .	X . . . . .	Free		35%

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Annotated for Statistical Reporting Purposes

XVI  
85-21

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8517 (con.)		Electrical apparatus for line telephony or line telegraphy, including line telephone sets with cordless handsets and telecommunication apparatus for carrier-current line systems or for digital line systems; videophones; parts thereof (con.):				
8517.90		Parts:				
		Parts of facsimile machines:				
8517.90.04	00	Parts of facsimile machines specified in additional U.S. note 7 to this chapter . . . . .	X . . . . .	Free		35%
8517.90.08	00	Other . . . . .	X . . . . .	Free		35%
		Other parts, incorporating printed circuit assemblies:				
8517.90.12	00	Parts for telephone sets . . . . .	X . . . . .	Free		35%
		Parts for articles of subheadings 8517.22, 8517.30, 8517.50.50 and 8517.80.10:				
8517.90.16	00	For teleprinters, including teletypewriters . . . . .	X . . . . .	Free		35%
8517.90.24	00	For telephonic switching or terminal apparatus . . . . .	X . . . . .	Free		35%
8517.90.26	00	For telegraphic switching apparatus . . . . .	X . . . . .	Free		35%
8517.90.32	00	Other . . . . .	X . . . . .	Free		35%
8517.90.34	00	Other . . . . .	X . . . . .	Free		35%
		Other:				
		Printed circuit assemblies:				
		For telephonic apparatus:				
8517.90.36	00	For switching or terminal apparatus (other than telephone sets) . . . . .	X . . . . .	Free		35%
8517.90.38	00	Other . . . . .	X . . . . .	Free		35%
8517.90.44	00	For telegraphic apparatus . . . . .	X . . . . .	Free		35%
		Parts, including face plates and lock latches, for printed circuit assemblies:				
		For telephonic apparatus:				
8517.90.48	00	For switching or terminal apparatus (other than telephone sets) . . . . .	X . . . . .	Free		35%
8517.90.52	00	Other . . . . .	X . . . . .	Free		35%
8517.90.56	00	For telegraphic apparatus . . . . .	X . . . . .	Free		35%
		Other:				
		For telephonic apparatus:				
8517.90.58	00	For switching or terminal apparatus (other than telephone sets) . . . . .	X . . . . .	Free		35%
8517.90.64	00	Other . . . . .	X . . . . .	Free		35%
8517.90.66	00	For telegraphic apparatus . . . . .	X . . . . .	Free		35%

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Annotated for Statistical Reporting Purposes

XVI  
85-22

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8518		Microphones and stands therefor; loudspeakers, whether or not mounted in their enclosures; headphones, earphones and combined microphone/speaker sets; audio-frequency electric amplifiers; electric sound amplifier sets; parts thereof:				
8518.10		Microphones and stands therefor:				
8518.10.40	00	Microphones having a frequency range of 300 Hz to 3.4 kHz with a diameter of not exceeding 10 mm and a height not exceeding 3 mm, for telecommunication use . . . . .	No. . . . .	Free		35%
8518.10.80		Other . . . . .		4.9%	Free (A,B,C,CA,E,IL,J,MX)	35%
	30	Microphones . . . . .	No.			
	40	Other . . . . .	X			
		Loudspeakers, whether or not mounted in their enclosures:				
8518.21.00	00	Single loudspeakers, mounted in their enclosures . . . . .	No. . . . .	4.9%	Free (A,B,C,CA,E,IL,J,MX)	35%
8518.22.00	00	Multiple loudspeakers, mounted in the same enclosure . . . . .	No. . . . .	4.9%	Free (A,B,C,CA,E,IL,J,MX)	35%
8518.29		Other:				
8518.29.40	00	Without housing, having a frequency range of 300 Hz to 3.4 kHz with a diameter of not exceeding 50 mm, for telecommunication use . . . . .	No. . . . .	Free		35%
8518.29.80	00	Other . . . . .	No. . . . .	4.9% <u>1/</u>	Free (A,B,C,CA,E,IL,J,MX)	35%
8518.30		Headphones, earphones and combined microphone/speaker sets:				
8518.30.10	00	Line telephone handsets . . . . .	No. . . . .	Free		35%
8518.30.20	00	Other . . . . .	No. . . . .	4.9%	Free (A,B,C,CA,E,IL,J,MX)	35%
8518.40		Audio-frequency electric amplifiers:				
8518.40.10	00	For use as repeaters in line telephony . . . . .	No. . . . .	Free		35%
8518.40.20	00	Other . . . . .	No. . . . .	4.9%	Free (A,B,C,CA,E,IL,J,MX)	35%
8518.50.00	00	Electric sound amplifier sets . . . . .	No. . . . .	4.9%	Free (A,B,C,CA,E,IL,J,MX)	35%
8518.90		Parts:				
		Of line telephone handsets of subheading 8518.30.10; of repeaters of subheading 8518.40.10:				
8518.90.20	00	Printed circuit assemblies of line telephone handsets; parts of repeaters . . . . .	X . . . . .	Free		35%
8518.90.40	00	Other . . . . .	X . . . . .	8.5%	Free (A,B,CA,E,IL,J,MX)	35%
		Other:				
8518.90.60	00	Printed circuit assemblies of the articles of subheading 8518.10.40 or 8518.29.40 . . . . .	X . . . . .	Free		35%
8518.90.80	00	Other . . . . .	X . . . . .	4.9% <u>2/</u>	Free (A,B,CA,E,IL,J,MX)	35%

1/ See subheading 9902.85.20.

2/ See subheading 9902.85.21.

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XVI  
85-23

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8519		Turntables, record players, cassette players and other sound reproducing apparatus, not incorporating a sound recording device:				
8519.10.00	00	Coin- or token-operated record players . . . . .	No. . . . .	Free		35%
		Other record players:				
8519.21.00	00	Without loudspeaker . . . . .	No. . . . .	Free		35%
8519.29.00		Other . . . . .		3.9%	Free (A,B,CA,E,IL, J,MX)	35%
	20	Stereo . . . . .	No.			
	40	Other . . . . .	No.			
		Turntables:				
8519.31.00	00	With automatic record changing mechanism . . . . .	No. . . . .	3.9%	Free (A,B,CA,E,IL, J,MX)	35%
8519.39.00		Other . . . . .		Free		35%
	20	Automatic tone arm operation . . . . .	No.			
	40	Other . . . . .	No.			
8519.40.00	00	Transcribing machines . . . . .	No. . . . .	3.9%	Free (A,B,CA,E,IL, J,MX)	35%
		Other sound reproducing apparatus:				
8519.92.00	00	Pocket-size cassette players . . . . .	No. . . . .	Free		35%
8519.93		Other, cassette type:				
8519.93.40	00	Designed exclusively for motor-vehicle installation . . . . .	No. . . . .	3.7%	Free (A,B,CA,E,IL, J,MX)	35%
8519.93.80		Other . . . . .		Free		35%
	40	AC only . . . . .	No.			
	80	Other . . . . .	No.			
8519.99.00		Other . . . . .		Free		35%
	30	Cartridge-type tape players . . . . .	No.			
	45	Optical disc (including compact disc) players . . . . .	No.			
	60	Other . . . . .	No.			
8520		Magnetic tape recorders and other sound recording apparatus, whether or not incorporating a sound reproducing device:				
8520.10.00	00	Dictating machines not capable of operating without an external source of power . . . . .	No. . . . .	Free		35%
8520.20.00		Telephone answering machines . . . . .		Free		35%
	40	Announce and record machines . . . . .	No.			
	80	Other . . . . .	No.			
		Other magnetic tape recorders incorporating sound reproducing apparatus:				
8520.32.00	00	Digital audio type . . . . .	No. . . . .	Free		35%
8520.33.00		Other, cassette type . . . . .		Free		35%
	20	Microcassette type . . . . .	No.			
		Other:				
	40	AC only:				
	60	Stereo . . . . .	No.			
		Other . . . . .	No.			
		Other:				
	70	Without speakers other than headphones, earphones or headsets . . . . .	No.			
	90	Other . . . . .	No.			
8520.39.00		Other . . . . .		Free		35%
	10	Cartridge type . . . . .	No.			
		Other:				
	50	AC only:				
	60	Stereo . . . . .	No.			
	70	Other . . . . .	No.			
8520.90.00		Other . . . . .		Free		35%
	40	Optical disc recorders . . . . .	No.			
	80	Other . . . . .	No.			

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XVI  
85-24

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8521		Video recording or reproducing apparatus, whether or not incorporating a video tuner:				
8521.10		Magnetic tape-type				
		Color, cartridge or cassette type:				
8521.10.30	00	Not capable of recording . . . . .	No. . . . .	Free		35%
8521.10.60	00	Other . . . . .	No. . . . .	Free		35%
8521.10.90	00	Other . . . . .	No. . . . .	Free		35%
8521.90.00	00	Other . . . . .	No. . . . .	Free		35%
8522		Parts and accessories suitable for use solely or principally with the apparatus of headings 8519 to 8521:				
8522.10.00	00	Pickup cartridges . . . . .	No. . . . .	3.9%	Free (A,B,CA,E,IL,J,MX)	35%
8522.90		Other:				
		Assemblies and subassemblies of articles provided for in subheading 8520.90, consisting of two or more pieces fastened or joined together:				
8522.90.25	00	Printed circuit assemblies . . . . .	X . . . . .	2%	Free (A,B,C,CA,E,IL,J,MX)	35%
8522.90.35	00	Other . . . . .	X . . . . .	2%	Free (A,B,C,CA,E,IL,J,MX)	35%
		Parts of telephone answering machines:				
8522.90.45	00	Printed circuit assemblies . . . . .	X . . . . .	Free		35%
8522.90.55		Other . . . . .		2%	Free (A,CA,E,IL,J,MX)	35%
	40	Magnetic recording and reproducing heads . . . . .	X			
	80	Other . . . . .	X			
8522.90.65	00	Other: Printed circuit assemblies . . . . .	X . . . . .	2%	Free (A,B,CA,E,IL,J,MX)	35%
8522.90.75		Other . . . . .		2%	Free (A,B,CA,E,IL,J,MX)	35%
	40	Magnetic recording and reproducing heads . . . . .	X			
	80	Other . . . . .	X			
8523		Prepared unrecorded media for sound recording or similar recording of other phenomena, other than products of chapter 37:				
		Magnetic tapes:				
8523.11.00	00	Of a width not exceeding 4 mm . . . . .	No. . . . .	Free		80%
8523.12.00		Of a width exceeding 4 mm but not exceeding 6.5 mm . . . . .		Free		80%
		Suitable for audio recording:				
	10	In cartridges . . . . .	No.			
	20	Other . . . . .	X			
	40	Suitable for video recording . . . . .	X			
	60	Other . . . . .	X			
8523.13.00		Of a width exceeding 6.5 mm . . . . .		Free		80%
	20	Suitable for audio recording . . . . .	X			
		Suitable for video recording:				
	40	In cassettes . . . . .	No.			
	60	Other . . . . .	X			
	80	Other . . . . .	X			
8523.20.00	00	Magnetic discs . . . . .	No. . . . .	Free		80%
8523.30.00	00	Cards incorporating a magnetic stripe . . . . .	No. . . . .	Free		80%
8523.90.00	00	Other . . . . .	X . . . . .	Free		80%



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XVI  
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Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8524		Records, tapes and other recorded media for sound or other similarly recorded phenomena, including matrices and masters for the production of records, but excluding products of chapter 37:				
8524.10.00		Phonograph records .....		1.8%	Free (A,CA,E,IL,J, MX)	30%
	20	Stereophonic and quadraphonic, at 33-1/3 r.p.m. . .	No.			
	40	Other .....	No.			
8524.31.00		Discs for laser reading systems: For reproducing phenomena other than sound or image .....		Free		86.1¢/m <sup>2</sup> of recording surface
	30	Prepackaged software for automatic data processing machines, of a kind sold at retail . .	No. m <sup>2</sup>			
	70	Other .....	No. m <sup>2</sup>			
8524.32.00	00	For reproducing sound only .....	No. m <sup>2</sup>	Free		86.1¢/m <sup>2</sup> of recording surface
8524.39		Other:				
8524.39.40	00	For reproducing representations of instructions, data, sound, and image, recorded in a machine readable binary form, and capable of being manipulated or providing interactivity to a user, by means of an automatic data processing machine; proprietary format recorded discs .....	No. ....	Free		80%
8524.39.80	00	Other .....	No. ....	2.7%	Free (A,CA,E,IL,J, MX)	80%
8524.40.00	00	Magnetic tapes for reproducing phenomena other than sound or image .....	m <sup>2</sup> .....	Free		86.1¢/m <sup>2</sup> of recording surface
		Other magnetic tapes:				
8524.51		Of a width not exceeding 4 mm:				
8524.51.10	00	News sound recordings relating to current events .....	X .....	Free		Free
8524.51.30		Other .....		4.8¢/m <sup>2</sup> of recording surface	Free (A,CA,E,IL,J, MX)	86.1¢/m <sup>2</sup> of recording surface
	40	Sound recordings on cassette tapes .....	No. m <sup>2</sup>			
	80	Other .....	No. m <sup>2</sup>			
8524.52		Of a width exceeding 4 mm but not exceeding 6.5 mm:				
8524.52.10		Video tape recordings .....		0.33¢/lin. m	Free (A*,CA,E,IL, J, MX)	3.3¢/lin. m
	40	In cassettes .....	lin. m			
	80	Other .....	No. lin. m			
8524.52.20	00	Other .....	m <sup>2</sup> .....	4.8¢/m <sup>2</sup> of recording surface	Free (A,CA,E,IL,J, MX)	86.1¢/m <sup>2</sup> of recording surface

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-26

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8524 (con.)		Records, tapes and other recorded media for sound or other similarly recorded phenomena, including matrices and masters for the production of records, but excluding products of chapter 37 (con.)				
8524.53 8524.53.10		Other magnetic tapes (con.): Of a width exceeding 6.5 mm:				
	40	Video tape recordings . . . . .	lin. m	Free		3.3¢/lin. m
		Of a width not exceeding 16 mm, in cassettes . . . . .	No.			
	80	Other . . . . .	lin. m			
8524.53.20	00	Other . . . . .	m <sup>2</sup>	4.8¢/m <sup>2</sup> of recording surface	Free (A,CA,E,IL,J, MX)	86.1¢/m <sup>2</sup> of recording surface
8524.60.00	00	Cards incorporating a magnetic stripe . . . . .	No. m <sup>2</sup>	Free		86.1¢/m <sup>2</sup> of recording surface
8524.91.00		Other: For reproducing phenomena other than sound or image . . . . .		Free		86.1¢/m <sup>2</sup> of recording surface
	30	Prepackaged software for automatic data processing machines, of a kind sold at retail . . . . .	No. m <sup>2</sup>			
	70	Other . . . . .	No. m <sup>2</sup>			
8524.99 8524.99.20	00	Other: Master records or metal matrices therefrom for use in the production of sound records for export; recordings on wire . . . . .	X	Free		Free
8524.99.40	00	Other . . . . .	No. m <sup>2</sup>	Free		86.1¢/m <sup>2</sup> of recording surface

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-27

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8525		Transmission apparatus for radiotelephony, radiotelegraphy, radiobroadcasting or television, whether or not incorporating reception apparatus or sound recording or reproducing apparatus; television cameras; still image video cameras or other video camera recorders:				
8525.10		Transmission apparatus:				
		Television:				
8525.10.10	00	Set top boxes which have a communication function . . . . .	No. . . . .	Free		35%
8525.10.30		Other . . . . .		1.8%	Free (A+,B,CA,D, E,IL,J,MX)	35%
	15	Apparatus for the reception of television signals relayed by television satellite . . . . .	No.			
	35	Other: Converters, decoders, preamplifiers, line amplifiers, distribution amplifiers and other amplifiers; directional couplers and other couplers; all the foregoing designed for cable or closed-circuit television applications . . . . .	X			
	40	Other . . . . .	X			
8525.10.70		Other: For radiobroadcasting . . . . .		3%	Free (A,B,C,CA,E, IL,J,MX)	35%
		Transmitters capable of transmitting on frequencies <sup>1/</sup> :				
	25	Not exceeding 30 MHz . . . . .	No.			
	45	Exceeding 30 MHz but not exceeding 400 MHz . . . . .	No.			
	65	Exceeding 400 MHz but not exceeding 1,000 MHz . . . . .	No.			
	85	Exceeding 1,000 MHz . . . . .	No.			
8525.10.90	90	Other . . . . .	X			
		Other . . . . .		Free		35%
		Transmitters capable of transmitting on frequencies <sup>1/</sup> :				
	25	Not exceeding 30 MHz . . . . .	No.			
	45	Exceeding 30 MHz but not exceeding 400 MHz . . . . .	No.			
	65	Exceeding 400 MHz but not exceeding 1,000 MHz . . . . .	No.			
	85	Exceeding 1,000 MHz . . . . .	No.			
	90	Other . . . . .	X			

<sup>1/</sup> See statistical note 4 to this chapter.

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-28

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8525 (con.)		Transmission apparatus for radiotelephony, radiotelegraphy, radiobroadcasting or television, whether or not incorporating reception apparatus or sound recording or reproducing apparatus; television cameras; still image video cameras or other video camera recorders (con.):				
8525.20		Transmission apparatus incorporating reception apparatus:				
		Transceivers:				
		Citizens Band (CB):				
8525.20.05	00	Hand-held .....	No. ....	Free		35%
8525.20.15	00	Other .....	No. ....	Free		35%
8525.20.20	00	Low-power radiotelephonic transceivers operating on frequencies from 49.82 to 49.90 MHz .....	No. ....	Free		35%
8525.20.30		Other .....		Free		35%
	10	Hand-held: For frequencies not exceeding 30 MHz <sup>1/</sup> .....	No.			
	15	For frequencies exceeding 30 MHz but not exceeding 400 MHz <sup>1/</sup> .....	No.			
	25	For frequencies exceeding 400 MHz <sup>1/</sup> .....	No.			
	40	Other: Marine VHF-FM .....	No.			
		Other: For frequencies not exceeding 30 MHz <sup>1/</sup> .....				
	60	Amateur .....	No.			
	65	Other .....	No.			
	70	For frequencies exceeding 30 MHz but not exceeding 400 MHz <sup>1/</sup> .....	No.			
	80	For frequencies exceeding 400 MHz <sup>1/</sup> .....	No.			
8525.20.90		Other .....		Free		35%
	20	Radio telephones designed for installation in motor vehicles for the Public Cellular Radiotelecommunication Service .....	No.			
		Other radio telephones designed for the Public Cellular Radiotelecommunication Service:				
	60	Units weighing over 1 kg .....	No.			
	70	Other .....	No.			
	80	Other .....	X			

<sup>1/</sup> See statistical note 4 to this chapter.

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-29

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8525 (con.)		Transmission apparatus for radiotelephony, radiotelegraphy, radiobroadcasting or television, whether or not incorporating reception apparatus or sound recording or reproducing apparatus; television cameras; still image video cameras or other video camera recorders (con.):				
8525.30		Television cameras:				
8525.30.30	00	Gyrostabilized television cameras . . . . .	No. . . . .	2.1%	Free (A,CA,E,IL,J, MX)	35%
8525.30.60	00	Studio television cameras, excluding shoulder-carried and other portable cameras . . . . .	No. . . . .	2.1%	Free (A,CA,E,IL,J, MX)	35%
8525.30.90		Other . . . . .		2.1%	Free (A,CA,E,IL,J, MX)	35%
	05	Color . . . . .	No.			
	60	Other . . . . .	No.			
8525.40		Still image video cameras and other video camera recorders:				
8525.40.40	00	Digital still image video cameras . . . . .	No. . . . .	Free		35%
8525.40.80		Other . . . . .		2.1%	Free (A,CA,E,IL,J, MX)	35%
		Camcorders:				
	20	8 mm . . . . .	No.			
	50	Other . . . . .	No.			
	85	Other . . . . .	No.			
8526		Radar apparatus, radio navigational aid apparatus and radio remote control apparatus:				
8526.10.00		Radar apparatus . . . . .		Free		35%
	20	Designed for boat or ship installation . . . . .	No.			
	40	Other . . . . .	No.			
		Other:				
8526.91.00		Radio navigational aid apparatus . . . . .		Free		35%
	20	Reception only apparatus . . . . .	No.			
	40	Other . . . . .	No.			
8526.92.00	00	Radio remote control apparatus . . . . .	X . . . . .	4.9%	Free (A,C,CA,E,IL, J,MX)	35%

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-30

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8527		Reception apparatus for radiotelephony, radiotelegraphy or radiobroadcasting, whether or not combined, in the same housing, with sound recording or reproducing apparatus or a clock: Radiobroadcast receivers capable of operating without an external source of power, including apparatus capable of receiving also radiotelephony or radiotelegraphy:				
8527.12.00	00	Pocket-size radio cassette players . . . . .	No. . . . .	Free		35%
8527.13		Other apparatus combined with sound recording or reproducing apparatus:				
8527.13.11		Combinations incorporating tape players which are incapable of recording . . . . .		Free		35%
	40	Incorporating optical disc (including compact disc) players or recorders . . . . .	No.			
	80	Other . . . . .	No.			
8527.13.20		Other: Radio-tape recorder combinations . . . . .		Free		35%
		Cassette type:				
	10	Stereo . . . . .	No.			
	60	Other . . . . .	No.			
	80	Other . . . . .	No.			
8527.13.40	00	Radio-phonograph combinations . . . . .	No. . . . .	Free		35%
8527.13.60		Other . . . . .		Free		35%
	40	Incorporating optical disc (including compact disc) players or recorders . . . . .	No.			
	80	Other . . . . .	No.			
8527.19		Other:				
8527.19.10	00	Valued not over \$40 each, incorporating a clock or clock-timer, not in combination with any other article, and not designed for motor vehicle installation . . . . .	No. . . . .	Free		35%
8527.19.50		Other . . . . .		3%	Free (A,CA,E,IL,J, MX)	35%
	15	Incorporating a clock or clock-timer . . . . .	No.			
		Other:				
	20	AM only . . . . .	No.			
	35	FM only or AM/FM only . . . . .	No.			
	45	Other . . . . .	No.			

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-31

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8527 (con.)		Reception apparatus for radiotelephony, radiotelegraphy or radiobroadcasting, whether or not combined, in the same housing, with sound recording or reproducing apparatus or a clock (con.):				
8527.21		Radiobroadcast receivers not capable of operating without an external source of power, of a kind used in motor vehicles, including apparatus capable of receiving also radiotelephony or radiotelegraphy:				
8527.21.10		Combined with sound recording or reproducing apparatus:				
		Radio-tape player combinations . . . . .		2%	Free (A,B,CA,E,IL, J,MX)	35%
	05	Incorporating optical disc (including compact disc) players or recorders . . . . .	No.			
		Other:				
	15	Cassette type:				
	20	Stereo . . . . .	No.			
	30	Other . . . . .	No.			
8527.21.40	30	Other . . . . .		Free		35%
	40	Incorporating optical disc (including compact disc) players or recorders . . . . .	No.			
	80	Other . . . . .	No.			
8527.29		Other:				
8527.29.40	00	FM only or AM/FM only . . . . .	No. . . . .	4.4%	Free (A,B,CA,E,IL, J,MX)	35%
8527.29.80		Other . . . . .		4.4%	Free (A+,B,CA,D, E,IL,J,MX)	35%
	20	AM only . . . . .	No.			
	60	Other . . . . .	No.			

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-32

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8527 (con.)		Reception apparatus for radiotelephony, radiotelegraphy or radiobroadcasting, whether or not combined, in the same housing, with sound recording or reproducing apparatus or a clock (con.):				
8527.31		Other radiobroadcast receivers, including apparatus capable of receiving also radiotelephony or radiotelegraphy:				
		Combined with sound recording or reproducing apparatus:				
8527.31.05	00	Articles designed for connection to telegraphic or telephonic apparatus or instruments or to telegraphic or telephonic networks . . . . .	No. . . . .	4.9%	Free (A+,CA,D,E,IL,J,MX)	35%
		Other:				
8527.31.40		Combinations incorporating tape players which are incapable of recording . . . . .		1%	Free (A,CA,E,IL,J,MX)	35%
	40	Incorporating optical disc (including compact disc) players or recorders . . . .	No.			
	80	Other . . . . .	No.			
8527.31.50		Other combinations incorporating tape recorders . . . . .		2.5%	Free (A+,CA,D,E,IL,J,MX)	35%
	05	Incorporating optical disc (including compact disc) players or recorders . . . .	No.			
		Other:				
	25	Cassette type . . . . .	No.			
	40	Cartridge type . . . . .	No.			
	65	Other . . . . .	No.			
8527.31.60		Other . . . . .		Free		35%
	40	Incorporating optical disc (including compact disc) players or recorders . . . .	No.			
	80	Other . . . . .	No.			
8527.32		Not combined with sound recording or reproducing apparatus but combined with a clock:				
8527.32.10		Valued not over \$40 each . . . . .		Free		35%
	10	Incorporating a digital clock or clock-timer . . . . .	No.			
	30	Other . . . . .	No.			
8527.32.50		Other . . . . .		3%	Free (A,CA,E,IL,J,MX)	35%
	10	Incorporating a digital clock or clock-timer . . . . .	No.			
	30	Other . . . . .	No.			
8527.39.00		Other . . . . .		3%	Free (A,CA,E,IL,J,MX)	35%
	20	Without speaker(s) . . . . .	No.			
	40	Other . . . . .	No.			



# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-33

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8527 (con.)		Reception apparatus for radiotelephony, radiotelegraphy or radiobroadcasting, whether or not combined, in the same housing, with sound recording or reproducing apparatus or a clock (con.):				
8527.90		Other apparatus:				
8527.90.40	00	Articles designed for connection to telegraphic or telephonic apparatus or instruments or to telegraphic or telephonic networks . . . . .	No. . . . .	Free		35%
8527.90.50	00	Other: Infant nursery monitor systems, each consisting in the same package of a radio transmitter, an electrical adapter, and a radio receiver . . . . .	No. . . . .	Free		35%
8527.90.85	00	Other: Paging receivers . . . . .	No. . . . .	Free		35%
8527.90.95		Other . . . . .		6%	Free (A,B,C,CA,E,IL,J,MX)	35%
		Radiotelephonic or radiotelegraphic receivers, capable of receiving signals on frequencies <sup>1/</sup> :				
	20	Not exceeding 30 MHz: Citizens Band (CB) . . . . .	No.			
	30	Other . . . . .	No.			
	40	Exceeding 30 MHz but not exceeding 400 MHz . . . . .	No.			
	50	Exceeding 400 MHz but not exceeding 1,000 MHz . . . . .	No.			
	60	Exceeding 1,000 MHz . . . . .	No.			
	90	Other . . . . .	X			

<sup>1/</sup> See statistical note 4 to this chapter.

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-34

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8528		Reception apparatus for television, whether or not incorporating radiobroadcast receivers or sound or video recording or reproducing apparatus; video monitors and video projectors:				
8528.12		Reception apparatus for television, whether or not incorporating radiobroadcast receivers or sound or video recording or reproducing apparatus: Color:				
		Incomplete or unfinished (including assemblies for television receivers consisting of all the parts specified in additional U.S. note 10 to this chapter plus a power supply), not incorporating a cathode-ray tube, flat panel screen or similar display device:				
8528.12.04	00	Incorporating video recording or reproducing apparatus . . . . .	No. . . . .	Free		25%
8528.12.08	00	Other . . . . .	No. . . . .	Free		35%
		Non-high definition, having a single picture tube intended for direct viewing (non-projection type), with a video display diagonal not exceeding 35.56 cm:				
		Incorporating video recording or reproducing apparatus:				
8528.12.12	01	With a video display diagonal not exceeding 34.29 cm . . . . .	No. . . . .	Free		25%
8528.12.16	01	Other . . . . .	No. . . . .	3.9%	Free (A*,CA,E,IL, J,MX)	25%
8528.12.20		Other:				
		With a video display diagonal not exceeding 34.29 cm . . . . .		Free		35%
	05	Combined with radiobroadcast receivers or sound recording or reproducing apparatus . . . . .	No.			
		Other, with a video display diagonal:				
	12	Not exceeding 21 cm . . . . .	No.			
	14	Exceeding 21 cm but not exceeding 26 cm . . . . .	No.			
	25	Exceeding 26 cm . . . . .	No.			
8528.12.24		Other . . . . .		5%	Free (A+,B,CA,D, E,IL,J,MX)	35%
	40	Combined with radiobroadcast receivers or sound recording or reproducing apparatus . . . . .	No.			
	80	Other . . . . .	No.			

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-35

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8528 (con.)		Reception apparatus for television, whether or not incorporating radiobroadcast receivers or sound or video recording or reproducing apparatus; video monitors and video projectors (con.):				
8528.12 (con.)		Reception apparatus for television, whether or not incorporating radiobroadcast receivers or sound or video recording or reproducing apparatus (con.):				
		Color (con.):				
		Non-high definition, having a single picture tube intended for direct viewing (non-projection type), with a video display diagonal exceeding 35.56 cm:				
8528.12.28	00	Incorporating video recording or reproducing apparatus . . . . .	No. . . . .	3.9%	Free (A,CA,E,IL,J, MX)	25%
8528.12.32		Other . . . . .		5%	Free (A+,B,CA,D, E,IL,J,MX)	35%
	05	Combined with radiobroadcast receivers or sound recording or reproducing apparatus . . . . .	No.			
		Other, with a video display diagonal:				
	24	Not exceeding 37 cm . . . . .	No.			
	28	Exceeding 37 cm but not exceeding 39 cm . . . . .	No.			
	30	Exceeding 39 cm but not exceeding 45 cm . . . . .	No.			
	35	Exceeding 45 cm but not exceeding 50 cm . . . . .	No.			
	38	Exceeding 50 cm but not exceeding 52 cm . . . . .	No.			
	50	Exceeding 52 cm but not exceeding 77 cm . . . . .	No.			
	90	Exceeding 77 cm . . . . .	No.			
8528.12.36	00	Non-high definition, projection type, with a cathode-ray tube: Incorporating video recording or reproducing apparatus . . . . .	No. . . . .	3.9%	Free (A,CA,E,IL,J, MX)	25%
8528.12.40	00	Other . . . . .	No. . . . .	5%	Free (A+,B,CA,D, E,IL,J,MX)	35%
8528.12.44	00	High definition, non-projection type, with a cathode-ray tube: Incorporating video recording or reproducing apparatus . . . . .	No. . . . .	3.9%	Free (A,CA,E,IL,J, MX)	25%
8528.12.48	00	Other . . . . .	No. . . . .	5%	Free (A+,B,CA,D, E,IL,J,MX)	35%
8528.12.52	00	High definition, projection type, with a cathode-ray tube: Incorporating video recording or reproducing apparatus . . . . .	No. . . . .	3.9%	Free (A,CA,E,IL,J, MX)	25%
8528.12.56	00	Other . . . . .	No. . . . .	5%	Free (A+,B,CA,D, E,IL,J,MX)	35%

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-36

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8528 (con.)		Reception apparatus for television, whether or not incorporating radiobroadcast receivers or sound or video recording or reproducing apparatus; video monitors and video projectors (con.):				
8528.12 (con.)		Reception apparatus for television, whether or not incorporating radiobroadcast receivers or sound or video recording or reproducing apparatus (con.):				
		Color (con.):				
		With a flat panel screen:				
		Incorporating video recording or reproducing apparatus:				
8528.12.62	01	With a video display diagonal not exceeding 34.29 cm . . . . .	No. . . . .	Free		25%
8528.12.64	01	Other . . . . .	No. . . . .	3.9%	Free (A,CA,E,IL,J, MX)	25%
		Other:				
8528.12.68	01	With a video display diagonal not exceeding 34.29 cm . . . . .	No. . . . .	Free		35%
8528.12.72	01	Other . . . . .	No. . . . .	5%	Free (A+,B,CA,D, E,IL,J,MX)	35%
		Other:				
		Incorporating video recording or reproducing apparatus:				
8528.12.76	01	With a video display diagonal not exceeding 34.29 cm . . . . .	No. . . . .	Free		25%
8528.12.80	01	Other . . . . .	No. . . . .	3.9%	Free (A,CA,E,IL,J, MX)	25%
		Other:				
8528.12.84	01	With a video display diagonal not exceeding 34.29 cm . . . . .	No. . . . .	Free		35%
8528.12.92	00	Other: Set top boxes which have a communications function . . . . .	No. . . . .	Free		35%
8528.12.93	00	Printed circuit assemblies incorporating a tuner, of a kind used with data processing machines of heading 8471 . . . . .	No. . . . .	Free		35%
8528.12.97	00	Other . . . . .	No. . . . .	5%	Free (A+,B,CA,D, E,IL,J,MX)	35%

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-37

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8528 (con.)		Reception apparatus for television, whether or not incorporating radiobroadcast receivers or sound or video recording or reproducing apparatus; video monitors and video projectors (con.):				
8528.13.00		Reception apparatus for television, whether or not incorporating radiobroadcast receivers or sound or video recording or reproducing apparatus (con.): Black and white or other monochrome .....		5%	Free (A+,B,CA,D, E,IL,J,MX)	35%
		Combined with radiobroadcast receivers or sound or video recording or reproducing apparatus, having a video display diagonal:				
	05	Not exceeding 16 cm .....	No.			
	10	Other .....	No.			
		Other, having a single picture tube intended for direct viewing, with a video display diagonal:				
	20	Not exceeding 17 cm .....	No.			
	25	Exceeding 17 cm but not exceeding 22 cm .....	No.			
	30	Exceeding 22 cm but not exceeding 26 cm .....	No.			
	35	Exceeding 26 cm but not exceeding 33 cm .....	No.			
	40	Exceeding 33 cm but not exceeding 45 cm .....	No.			
	45	Exceeding 45 cm but not exceeding 48 cm .....	No.			
	50	Exceeding 48 cm .....	No.			
	75	Other .....	No.			

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-38

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8528 (con.)		Reception apparatus for television, whether or not incorporating radiobroadcast receivers or sound or video recording or reproducing apparatus; video monitors and video projectors (con.):				
8528.21		Video monitors: Color:				
		Incomplete or unfinished (including assemblies consisting of the parts specified in subdivisions (a), (b), (c) and (e) in additional U.S. note 10 to this chapter plus a power supply), not incorporating a cathode-ray tube, flat panel screen or similar display device:				
8528.21.05	00	Incorporating video recording or reproducing apparatus	No. ....	Free		25%
8528.21.10	00	Other	No. ....	Free		35%
		Non-high definition, having a single picture tube intended for direct viewing (non-projection type), with a video display diagonal not exceeding 35.56 cm:				
		Incorporating video recording or reproducing apparatus:				
8528.21.16	01	With a video display diagonal not exceeding 34.29 cm	No. ....	Free		25%
8528.21.19	01	Other	No. ....	3.9%	Free (A,CA,E,IL,J, MX)	25%
		Other:				
8528.21.24	01	With a video display diagonal not exceeding 34.29 cm	No. ....	Free		35%
8528.21.29	01	Other	No. ....	5%	Free (A+,B,CA,D, E,IL,J,MX)	35%
		Non-high definition, having a single picture tube intended for direct viewing (non-projection type), with a video display diagonal exceeding 35.56 cm:				
8528.21.34	00	Incorporating video recording or reproducing apparatus	No. ....	3.9%	Free (A,CA,E,IL,J, MX)	25%
8528.21.39	00	Other	No. ....	5%	Free (A+,B,CA,D, E,IL,J,MX)	35%
		Non-high definition, projection type, with a cathode-ray tube:				
8528.21.41	00	Incorporating video recording or reproducing apparatus	No. ....	3.9%	Free (A,CA,E,IL,J, MX)	25%
8528.21.42	00	Other	No. ....	5%	Free (A+,B,CA,D, E,IL,J,MX)	35%
		High definition, non-projection type, with a cathode-ray tube:				
8528.21.44	00	Incorporating video recording or reproducing apparatus	No. ....	3.9%	Free (A,CA,E,IL,J, MX)	25%
8528.21.49	00	Other	No. ....	5%	Free (A+,B,CA,D, E,IL,J,MX)	35%
		High definition, projection type, with a cathode-ray tube:				
8528.21.51	00	Incorporating video recording or reproducing apparatus	No. ....	3.9%	Free (A,CA,E,IL,J, MX)	25%
8528.21.52	00	Other	No. ....	5%	Free (A+,B,CA,D, E,IL,J,MX)	35%

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-39

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8528 (con.)		Reception apparatus for television, whether or not incorporating radiobroadcast receivers or sound or video recording or reproducing apparatus; video monitors and video projectors (con.):				
8528.21 (con.)		Video monitors (con.): Color (con.):				
		With a flat panel screen: Incorporating video recording or reproducing apparatus:				
8528.21.55	01	With a video display diagonal not exceeding 34.29 cm .....	No. ....	Free		25%
8528.21.60	01	Other .....	No. ....	3.9%	Free (A,CA,E,IL,J, MX)	25%
		Other:				
8528.21.65	01	With a video display diagonal not exceeding 34.29 cm .....	No. ....	Free		35%
8528.21.70	01	Other .....	No. ....	5%	Free (A+,B,CA,D, E,IL,J,MX)	35%
		Other:				
		Incorporating video recording or reproducing apparatus:				
8528.21.75	01	With a video display diagonal not exceeding 34.29 cm .....	No. ....	Free		25%
8528.21.80	01	Other .....	No. ....	3.9%	Free (A,CA,E,IL,J, MX)	25%
		Other:				
8528.21.85	01	With a video display diagonal not exceeding 34.29 cm .....	No. ....	Free		35%
8528.21.90	01	Other .....	No. ....	5%	Free (A+,B,CA,D, E,IL,J,MX)	35%
8528.22.00	00	Black and white or other monochrome .....	No. ....	5%	Free (A+,B,CA,D, E,IL,J,MX)	35%

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-40

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8528 (con.)		Reception apparatus for television, whether or not incorporating radiobroadcast receivers or sound or video recording or reproducing apparatus; video monitors and video projectors (con.):				
8528.30		Video projectors:				
		Color:				
		Incomplete or unfinished (including assemblies consisting of the parts specified in subdivisions (a), (b), (c) and (e) in additional U.S. note 10 to this chapter plus a power supply), not incorporating a cathode-ray tube, flat panel screen or similar display device:				
8528.30.10	00	Incorporating video recording or reproducing apparatus . . . . .	No. . . . .	Free		25%
8528.30.20	00	Other . . . . .	No. . . . .	Free		35%
8528.30.30	00	Non-high definition, with a cathode-ray tube: Incorporating video recording or reproducing apparatus . . . . .	No. . . . .	3.9%	Free (A,CA,E,IL,J, MX)	25%
8528.30.40	00	Other . . . . .	No. . . . .	5%	Free (A+,B,CA,D, E,IL,J,MX)	35%
8528.30.50	00	High definition, with a cathode-ray tube: Incorporating video recording or reproducing apparatus . . . . .	No. . . . .	3.9%	Free (A,CA,E,IL,J, MX)	25%
8528.30.60	00	Other . . . . .	No. . . . .	5%	Free (A+,B,CA,D, E,IL,J,MX)	35%
		With a flat panel screen: Incorporating video recording or reproducing apparatus:				
8528.30.62	01	With a video display diagonal not exceeding 34.29 cm . . . . .	No. . . . .	Free		25%
8528.30.64	01	Other . . . . .	No. . . . .	3.9%	Free (A,CA,E,IL,J, MX)	25%
8528.30.66	01	Other: With a video display diagonal not exceeding 34.29 cm . . . . .	No. . . . .	Free		35%
8528.30.68	01	Other . . . . .	No. . . . .	5%	Free (A+,B,CA,D, E,IL,J,MX)	35%
8528.30.72	00	Other: Incorporating video recording or reproducing apparatus . . . . .	No. . . . .	3.9%	Free (A,CA,E,IL,J, MX)	25%
8528.30.78	00	Other . . . . .	No. . . . .	5%	Free (A+,B,CA,D, E,IL,J,MX)	35%
8528.30.90	00	Black and white or other monochrome . . . . .	No. . . . .	5%	Free (A+,B,CA,D, E,IL,J,MX)	35%



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XVI  
85-41

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8529		Parts suitable for use solely or principally with the apparatus of headings 8525 to 8528:				
8529.10		Antennas and antenna reflectors of all kinds; parts suitable for use therewith:				
8529.10.20		Television .....		1.8%	Free (A+,B,CA,D, E,IL,J,MX)	35%
	20	Antennas:				
	50	Receiving only .....	No			
	90	Other .....	No			
8529.10.40		Other .....	X			
		Radar, radio navigational aid and radio remote control .....		Free		35%
	40	Antennas .....	No			
	80	Other .....	X			
8529.10.70	00	Other: Antennas and antenna reflectors of a kind used with apparatus for radiotelephony and radiotelegraphy .....	X	Free		35%
8529.10.90	00	Other .....	X	3%	Free (A,B,C,CA,E, IL,J,MX)	35%
8529.90		Other:				
		Printed circuit assemblies:				
8529.90.01	00	Of television apparatus: Tuners .....	No	3%	Free (A,CA,E,IL,J, MX)	35%
		Printed circuit boards and ceramic substrates with components assembled thereon, for color television receivers; subassemblies containing one or more of such boards or substrates, except tuners or convergence assemblies:				
8529.90.03	00	Entered with components enumerated in additional U.S. note 4 to this chapter .....	No. 1/	4%	Free (A+,B,CA,D, E,IL,J,MX)	35%
8529.90.06	00	Other .....	No. 1/	Free		35%
8529.90.09	00	Other: For television cameras .....	X	3.3%	Free (A,CA,E,IL,J, MX)	35%
8529.90.13	00	Other .....	X	2.9%	Free (A+,B,CA,D, E,IL,J,MX)	35%
8529.90.16		Of radar, radio navigational aid or radio remote control apparatus: Assemblies and subassemblies, consisting of 2 or more parts or pieces fastened or joined together .....		3.2%	Free (A,C,CA,E,IL, J,MX)	35%
	20	Of radar apparatus .....	X			
	40	Of radio navigational aid apparatus (except radar) .....	X			
8529.90.19	60	Other .....	X			
		Other .....		3.2%	Free (A,CA,E,IL,J, MX)	35%
	20	Of radar apparatus .....	X			
	40	Of radio navigational aid apparatus (except radar) .....	X			
8529.90.23	60	Other .....	X			
	00	Other .....	X	Free		35%

1/ Report quantity as indicated in additional U.S. note 4(b) to this chapter.

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Annotated for Statistical Reporting Purposes

XVI  
85-42

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8529 (con.) 8529.90 (con.) 8529.90.26	00	Parts suitable for use solely or principally with the apparatus of headings 8525 to 8528 (con.): Other (con.): Transceiver assemblies for the apparatus of subheading 8526.10, other than printed circuit assemblies	X	3.2%	Free (A,C,CA,E,IL,J,MX)	35%
8529.90.29	00	Parts of television receivers specified in additional U.S. note 10 to this chapter, other than printed circuit assemblies: Tuners	No.	3%	Free (A,CA,E,IL,J,MX)	35%
8529.90.33	00	Subassemblies, for color television receivers, containing two or more printed circuit boards or ceramic substrates with components assembled thereon, except tuners or convergence assemblies: Entered with components enumerated in additional U.S. note 4 to this chapter	No. 1/	4%	Free (A+,B,CA,D,E,IL,J,MX)	35%
8529.90.36	00	Other	No. 1/	Free		35%
8529.90.39	00	Other	X	2.9%	Free (A+,B,CA,D,E,IL,J,MX)	35%
8529.90.43	00	Combinations of parts specified in additional U.S. note 10 to this chapter: Subassemblies, for color television receivers, containing two or more printed circuit boards or ceramic substrates with components assembled thereon, except tuners or convergence assemblies: Entered with components enumerated in additional U.S. note 4 to this chapter	No. 1/	4%	Free (A+,B,CA,D,E,IL,J,MX)	35%
8529.90.46	00	Other	No. 1/	Free		35%
8529.90.49	00	Other	X	2.9%	Free (A+,B,CA,D,E,IL,J,MX)	35%
8529.90.53	00	Flat panel screen assemblies for the apparatus of subheadings 8528.12.62, 8528.12.64, 8528.12.68, 8528.12.72, 8528.21.55, 8528.21.60, 8528.21.65, 8528.21.70, 8528.30.62, 8528.30.64, 8528.30.66 and 8528.30.68	X	2.9%	Free (A+,B,CA,D,E,IL,J,MX)	35%
8529.90.63	00	Other, parts of printed circuit assemblies, including face plates and lock latches: Of television apparatus: For television cameras	X	3.3%	Free (A,CA,E,IL,J,MX)	35%
8529.90.69	00	Other	X	2.9%	Free (A+,B,CA,D,E,IL,J,MX)	35%
8529.90.73	00	Of radar, radio navigational aid or radio remote control apparatus	X	3.2%	Free (A,CA,E,IL,J,MX)	35%
8529.90.76	00	Other	X	Free		35%

1/ Report quantity as indicated in additional U.S. note 4(b) to this chapter.

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Annotated for Statistical Reporting Purposes

XVI  
85-43

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8529 (con.) 8529.90 (con.)		Parts suitable for use solely or principally with the apparatus of headings 8525 to 8528 (con.): Other (con.):				
		Other parts of articles of headings 8525 and 8527, except parts of cellular telephones: Of televisions apparatus: For television cameras:				
8529.90.78	00	Mounted lenses suitable for use in, and entered separately from, closed-circuit television cameras, with or without attached electrical or non-electrical closed-circuit television camera connectors, and with or without attached motors . . . . .	No. . . . .	Free		35%
8529.90.81	00	Other . . . . .	X . . . . .	3.3%	Free (A,CA,E,IL,J, MX)	35%
8529.90.83	00	Other . . . . .	X . . . . .	2.9%	Free (A+,B,CA,D, E,IL,J,MX)	35%
8529.90.85	00	Other . . . . . Other:	X . . . . .	Free		35%
		Of television receivers: Subassemblies, for color television receivers, containing two or more printed circuit boards or ceramic substrates with components assembled thereon, except tuners or convergence assemblies: Entered with components enumerated in additional U.S. note 4 to this chapter . . . . .	No. 1/ . . .	4%	Free (A+,B,CA,D, E,IL,J,MX)	35%
8529.90.88	00	Other . . . . .	No. 1/ . . .	Free		35%
8529.90.89	00	Other . . . . .		2.9%	Free (A+,B,CA,D, E,IL,J,MX)	35%
8529.90.93	45	Convergence assemblies, focus coils and degaussing coils . . . . .	X			
	80	Other . . . . .	X			
8529.90.95		Of radar, radio navigational aid or radio remote control apparatus: Assemblies and subassemblies, consisting of 2 or more parts or pieces fastened or joined together . . . . .		3.2%	Free (A,C,CA,E,IL, J,MX)	35%
	20	Of radar apparatus . . . . .	X			
	40	Of radio navigational aid apparatus (except radar) . . . . .	X			
8529.90.97	60	Other . . . . .	X	3.2%	Free (A,CA,E,IL,J, MX)	35%
	20	Of radar apparatus . . . . .	X			
	40	Of radio navigational aid apparatus (except radar) . . . . .	X			
	60	Other . . . . .	X			
8529.90.99	00	Other . . . . .	X . . . . .	Free		35%

1/ Report quantity as indicated in additional U.S. note 4(b) to this chapter.

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-44

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8530		Electrical signaling, safety or traffic control equipment for railways, streetcar lines, subways, roads, inland waterways, parking facilities, port installations or airfields (other than those of heading 8608); parts thereof:				
8530.10.00	00	Equipment for railways, streetcar lines or subways . . .	X . . . . .	Free		35%
8530.80.00	00	Other equipment . . . . .	X . . . . .	Free		35%
8530.90.00	00	Parts . . . . .	X . . . . .	Free		35%
8531		Electric sound or visual signaling apparatus (for example, bells, sirens, indicator panels, burglar or fire alarms), other than those of heading 8512 or 8530; parts thereof:				
8531.10.00		Burglar or fire alarms and similar apparatus . . . . .		1.3%	Free (A,B,C,CA,E,IL,J,MX)	35%
	15	Smoke detectors:				
	25	Battery powered . . . . .	No.			
		Other . . . . .	No.			
	35	Other:				
	45	Burglar alarms . . . . .	No.			
		Other . . . . .	No.			
8531.20.00		Indicator panels incorporating liquid crystal devices (LCD's) or light emitting diodes (LED's) . . . . .		Free		35%
	20	Incorporating LCD's . . . . .	X			
	40	Other . . . . .	X			
8531.80		Other apparatus:				
8531.80.40	00	Paging alert devices . . . . .	No. . . . .	Free		35%
		Other:				
8531.80.70	00	Flat panel displays of paging alert devices of subheading 8531.80.40 . . . . .	No. . . . .	Free		35%
8531.80.90		Other . . . . .		1.3%	Free (A,B,C,CA,E,IL,J,MX)	35%
	10	Indicator panels:				
		Incorporating electric discharge (fluorescent) devices . . . . .	X			
	25	Other . . . . .	X			
	30	Horns . . . . .	X			
	38	Radar detectors of a kind used in motor vehicles . . . . .	No.			
	40	Other sound signaling apparatus . . . . .	X			
	50	Other . . . . .	X			
8531.90		Parts:				
8531.90.10	00	Printed circuit assemblies: Of the panels of subheading 8531.20; of paging alert devices or of flat panel displays for paging alert devices of subheading 8531.80 . . . . .	X . . . . .	Free		35%
8531.90.30	00	Other . . . . .	X . . . . .	Free		35%
8531.90.70	00	Other: Of the panels of subheading 8531.20; of paging alert devices or of flat panel displays for paging alert devices of subheading 8531.80 . . . . .	X . . . . .	Free		35%
8531.90.90	00	Other . . . . .	X . . . . .	1.3%	Free (A,B,CA,E,IL,J,MX)	35%

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-45

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8532		Electrical capacitors, fixed, variable or adjustable (pre-set); parts thereof:				
8532.10.00	00	Fixed capacitors designed for use in 50/60 Hz circuits and having a reactive power handling capacity of not less than 0.5 kvar (power capacitors) . . . . .	No. . . . .	Free		35%
8532.21.00	20	Other fixed capacitors: Tantalum . . . . .		Free		35%
	40	Metal case . . . . .	No.			
	50	Other: Dipped . . . . .	No.			
	80	Designed for surface mounting (SMD) by contact . . . . .	No.			
8532.22.00	20	Other . . . . .	No.			
	40	Aluminum electrolytic . . . . .		Free		35%
	55	Not exceeding 18 mm in diameter <sup>1/</sup> . . . . .	No.			
	85	Exceeding 18 mm but not exceeding 35 mm in diameter <sup>1/</sup> . . . . .	No.			
	85	Exceeding 35 mm but not exceeding 51 mm in diameter <sup>1/</sup> . . . . .	No.			
8532.23.00	20	Exceeding 51 mm in diameter <sup>1/</sup> . . . . .	No.			
	40	Ceramic dielectric, single layer . . . . .		Free		35%
	60	Chips . . . . .	No.			
	60	Other: Axial leads . . . . .	No.			
8532.24.00	20	Radial leads . . . . .	No.			
	40	Ceramic dielectric, multilayer . . . . .		Free		35%
	60	Chips . . . . .	No.			
	60	Other: Axial leads . . . . .	No.			
8532.25.00	10	Radial leads . . . . .	No.			
	20	Other . . . . .	No.			
	30	Dielectric of paper or plastics . . . . .		Free		35%
	40	Alternating current (AC) service: Less than 300 V . . . . .	No.			
	45	300 V or greater, but less than 600 V . . . . .	No.			
	55	600 V or greater, but less than 1,000 V . . . . .	No.			
	60	1,000 V or greater . . . . .	No.			
	70	Other: Leadless: Designed for surface mounting (SMD) by contact . . . . .	No.			
	80	Other . . . . .	No.			
8532.29.00	20	Other . . . . .	No.			
	40	Mica dielectric . . . . .	No.			
8532.30.00	10	Other . . . . .	No.			
	90	Variable or adjustable (pre-set) capacitors . . . . .		Free		35%
8532.90.00	00	Mica, ceramic or glass dielectric . . . . .	No.			
		Other . . . . .	No.			
		Parts . . . . .	X . . . . .	Free		35%

<sup>1/</sup> See statistical note 6 to this chapter.

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

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85-46

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8533		Electrical resistors (including rheostats and potentiometers), other than heating resistors; parts thereof:				
8533.10.00		Fixed carbon resistors, composition or film types . . . . .		Free		35%
	20	Designed for surface mounting (SMD) by contact: Having more than two terminals (resistor networks) . . . . .	No.			
	42	Having two terminals . . . . .	No.			
	57	Having more than two leads (resistor networks) . . .	No.			
		Other:				
	60	Carbon composition . . . . .	No.			
	65	Carbon film . . . . .	No.			
8533.21.00		Other fixed resistors: For a power handling capacity not exceeding 20 W . . . . .		Free		35%
		Designed for surface mounting (SMD) by contact:				
		Having more than two terminals (resistor networks):				
	10	Dual-in-line package . . . . .	No.			
	20	Other (including flat packs) . . . . .	No.			
		Having two terminals:				
	30	Flat resistor chips . . . . .	No.			
	40	Cylindrical leadless resistors (including metal film, metal oxide and thick cement film) . . . . .	No.			
		Having more than two leads (resistor networks):				
	50	Single-in-line . . . . .	No.			
	60	Dual-in-line . . . . .	No.			
	70	Other . . . . .	No.			
		Other:				
	80	Wirewound . . . . .	No.			
	90	Other (including metal film, metal oxide and thick cement film) . . . . .	No.			
8533.29.00	00	Other . . . . .	No. . . . .	Free		35%
8533.31.00	00	Wirewound variable resistors, including rheostats and potentiometers: For a power handling capacity not exceeding 20 W . . . . .	No. . . . .	Free		35%
8533.39.00		Other . . . . .		Free		35%
	40	Dimmers . . . . .	No.			
	80	Other . . . . .	No.			
8533.40		Other variable resistors, including rheostats and potentiometers:				
8533.40.40	00	Metal oxide varistors . . . . .	No. . . . .	Free		35%
8533.40.80		Other . . . . .		Free		35%
	40	Rheostat and resistor type motor starters and controllers . . . . .	No.			
		Other:				
	50	Cermet . . . . .	No.			
	60	Metal glaze . . . . .	No.			
	70	Other . . . . .	No.			
8533.90		Parts:				
8533.90.40	00	For the goods of subheading 8533.40, of ceramic or metallic materials, electrically or mechanically reactive to changes in temperature . . . . .	X . . . . .	Free		35%
8533.90.80	00	Other . . . . .	X . . . . .	Free		35%

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Annotated for Statistical Reporting Purposes

XVI  
85-47

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8534.00.00		Printed circuits .....		Free		35%
		Plastics impregnated, not flexible type:				
		Having a base wholly of impregnated glass:				
	20	With 3 or more layers of conducting materials .....	No.			
	40	Other .....	No.			
	50	Having a base wholly of impregnated paper .....	No.			
	70	Other .....	No.			
		Other:				
	80	Flexible type .....	No.			
	85	Other, having a ceramic base .....	No.			
	95	Other .....	No.			
8535		Electrical apparatus for switching or protecting electrical circuits, or for making connections to or in electrical circuits (for example, switches, fuses, lightning arresters, voltage limiters, surge suppressors, plugs, junction boxes), for a voltage exceeding 1,000 V:				
8535.10.00		Fuses .....		2.7%	Free (A,CA,E,IL,J, MX)	35%
	20	In circuits of 2,300 V or more .....	No.			
	40	Other .....	No.			
8535.21.00	00	Automatic circuit breakers:				
		For a voltage of less than 72.5 kV .....	No.	2.7%	Free (A,CA,E,IL,J, MX)	35%
8535.29.00		Other .....		2%	Free (A,CA,E,IL,J, MX)	35%
	20	In circuits of 345 kV or more .....	No.			
	40	Other .....	No.			
8535.30.00		Isolating switches and make-and-break switches .....		2.7%	Free (A,CA,E,IL,J, MX)	35%
	40	Knife .....	No.			
	80	Other .....	No.			
8535.40.00	00	Lightning arresters, voltage limiters and surge suppressors .....	X	2.7%	Free (A*,CA,E,IL, J,MX)	35%
8535.90		Other:				
8535.90.40	00	Motor starters and motor overload protectors .....	X	2.7%	Free (A,CA,E,IL,J, MX)	35%
8535.90.80		Other .....		2.7%	Free (A,CA,E,IL,J, MX)	35%
	20	Terminals, electrical splices and electrical couplings .....	No.			
	40	Other connectors .....	No.			
	60	Other .....	No.			

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-48

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8536		Electrical apparatus for switching or protecting electrical circuits, or for making connections to or in electrical circuits (for example, switches, relays, fuses, surge suppressors, plugs, sockets, lamp-holders, junction boxes), for a voltage not exceeding 1,000 V:				
8536.10.00		Fuses .....	2.7%	Free (A,B,CA,E,IL, J,MX)	35%	
	20	Glass cartridge .....	No.			
	40	Other .....	No.			
8536.20.00		Automatic circuit breakers .....	2.7%	Free (A,B,CA,E,IL, J,MX)	35%	
	20	Molded case .....	No.			
	40	Other .....	No.			
8536.30		Other apparatus for protecting electrical circuits:				
8536.30.40	00	Motor overload protectors .....	X 2.7%	Free (A,B,CA,E,IL, J,MX)	35%	
8536.30.80	00	Other .....	X 2.7%	Free (A,B,CA,E,IL, J,MX)	35%	
8536.41.00		Relays: For a voltage not exceeding 60 V .....	2.7%	Free (A,B,CA,E, IL, J,MX)	35%	
	05	Automotive signaling flashers .....	No.			
		Other:				
		With contacts rated at less than 10 A:				
	20	Electromechanical .....	No.			
	30	Other .....	No.			
		Other:				
	45	Contactors .....	No.			
		Other:				
	50	Electromechanical .....	No.			
	60	Other .....	No.			
8536.49.00		Other .....	2.7%	Free (A,B,CA,E,IL, J,MX)	35%	
		With contacts rated at less than 10 A:				
	50	Electromechanical .....	No.			
	55	Other .....	No.			
		Other:				
	65	Contactors .....	No.			
		Other:				
	75	Electromechanical .....	No.			
	80	Other .....	No.			



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Annotated for Statistical Reporting Purposes

XVI  
85-49

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8536 (con.)		Electrical apparatus for switching or protecting electrical circuits, or for making connections to or in electrical circuits (for example, switches, relays, fuses, surge suppressors, plugs, sockets, lamp-holders, junction boxes), for a voltage not exceeding 1,000 V (con.):				
8536.50		Other switches:				
8536.50.40	00	Motor starters . . . . .	No. . . . .	2.7%	Free (A,B,CA,E,IL, J,MX)	35%
8536.50.70	00	Other: Electronic AC switches consisting of optically coupled input and output circuits (insulated thyristor AC switches); electronic switches, including temperature protected switches, consisting of a transistor and a logic chip (chip-on-chip technology); electromechanical snap-action switches for a current not exceeding 11 amps . . . . .	No. . . . .	Free		35%
8536.50.90		Other . . . . .		2.7%	Free (A,B,CA,E,IL, J,MX)	35%
	20	Rotary:				
	25	Rated at not over 5 A . . . . .	No.			
		Rated at over 5 A . . . . .	No.			
		Push-button:				
	31	Rated at not over 5 A:				
	32	Momentary contact . . . . .	No.			
	33	Other, gang switches . . . . .	No.			
	35	Other . . . . .	No.			
	40	Rated at over 5 A . . . . .	No.			
	45	Snap-action, other than limit . . . . .	No.			
	50	Knife . . . . .	No.			
	55	Slide . . . . .	No.			
	65	Limit . . . . .	No.			
		Other . . . . .	No.			
8536.61.00	00	Lamp-holders, plugs and sockets: Lamp-holders . . . . .	No. . . . .	2.7%	Free (A,B,CA,E,IL, J,MX)	35%
8536.69		Other:				
8536.69.40		Coaxial connectors; cylindrical multicontact connectors; rack and panel connectors; printed circuit connectors; ribbon or flat cable connectors . . . . .		Free		35%
	10	Coaxial connectors . . . . .	No.			
	20	Cylindrical multicontact connectors . . . . .	No.			
	30	Rack and panel connectors . . . . .	No.			
	40	Printed circuit connectors . . . . .	No.			
	50	Other . . . . .	No.			
8536.69.80	00	Other . . . . .	X . . . . .	2.7%	Free (A,B,CA,E,IL, J,MX)	35%
8536.90		Other apparatus:				
8536.90.40	00	Terminals, electrical splices and electrical couplings; wafer probers . . . . .	X . . . . .	Free		35%
8536.90.80		Other . . . . .		2.7%	Free (A*,B,CA,E, IL,J,MX)	35%
	10	Electrical distribution ducts . . . . .	X			
	30	Junction boxes . . . . .	No.			
	85	Other . . . . .	X			

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Annotated for Statistical Reporting Purposes

XVI  
85-50

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8537		Boards, panels, consoles, desks, cabinets and other bases, equipped with two or more apparatus of heading 8535 or 8536, for electric control or the distribution of electricity, including those incorporating instruments or apparatus of chapter 90, and numerical control apparatus, other than switching apparatus of heading 8517:				
8537.10		For a voltage not exceeding 1,000 V:				
8537.10.30	00	Assembled with outer housing or supports, for the goods of headings 8421, 8422, 8450 or 8516 . . . . .	X . . . . .	2.7%	Free (A,B,CA,E,IL, J,MX)	35%
8537.10.60	00	Motor control centers . . . . .	No. . . . .	2.7%	Free (A,B,CA,E,IL, J,MX)	35%
8537.10.90		Other . . . . .		2.7%	Free (A,B,CA,E,IL, J,MX)	35%
	20	Switchgear assemblies and switchboards . . . . .	No.			
	30	Numerical controls for controlling machine tools . . . . .	No.			
		Other:				
	50	Panel boards and distribution boards . . . . .	No.			
	60	Programmable controllers . . . . .	No.			
	70	Other . . . . .	No.			
8537.20.00		For a voltage exceeding 1,000 V . . . . .		2.7%	Free (A,CA,E,IL,J, MX)	35%
	20	Switchgear assemblies and switchboards . . . . .	No.			
	40	Other . . . . .	No.			
8538		Parts suitable for use solely or principally with the apparatus of heading 8535, 8536 or 8537:				
8538.10.00	00	Boards, panels, consoles, desks, cabinets and other bases for the goods of heading 8537, not equipped with their apparatus . . . . .	X . . . . .	3.7%	Free (A,B,CA,E,IL, J,MX)	35%
8538.90		Other:				
		Printed circuit assemblies:				
8538.90.10	00	Of an article of heading 8537 for one of the articles described in additional U.S. note 12 to chapter 85 . . . . .	X . . . . .	Free		35%
8538.90.30	00	Other . . . . .	X . . . . .	3.5%	Free (A,B,CA,E,IL, J,MX)	35%
8538.90.40	00	Other, for the articles of subheading 8535.90.40, 8536.30.40 or 8536.50.40, of ceramic or metallic materials, electrically or mechanically reactive to changes in temperature . . . . .	X . . . . .	3.5%	Free (A,B,CA,E,IL, J,MX)	35%
		Other:				
8538.90.60	00	Molded parts . . . . .	X . . . . .	3.5%	Free (A,B,CA,E,IL, J,MX)	35%
8538.90.80		Other . . . . .		3.5%	Free (A*,B,CA,E, IL,J,MX)	35%
	20	Of automatic circuit breakers . . . . .	X			
		Other:				
	40	Metal contacts . . . . .	X			
	60	Other parts of switchgear, switchboards, panel boards and distribution boards . . . . .	X			
	80	Other . . . . .	X			

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Annotated for Statistical Reporting Purposes

XVI  
85-51

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8539		Electrical filament or discharge lamps, including sealed beam lamp units and ultraviolet or infrared lamps; arc lamps; parts thereof:				
8539.10.00		Sealed beam lamp units . . . . .		2%	Free (A,B,C,CA,E,IL,J,MX)	20%
	10	Under 15.24 cm: For the vehicles of subheading 8701.20 or heading 8702, 8703, 8704, 8705 or 8711 . . . . .	No.			
	30	Other . . . . .	No.			
	50	15.24 cm or over: For the vehicles of subheading 8701.20 or heading 8702, 8703, 8704, 8705 or 8711 . . . . .	No.			
	60	Other . . . . .	No.			
		Other filament lamps, excluding ultraviolet or infrared lamps:				
8539.21		Tungsten halogen:				
8539.21.20	40	Designed for a voltage not exceeding 100 V . . . . . For the vehicles of subheading 8701.20 or heading 8702, 8703, 8704, 8705 or 8711 . . . . .	No.	Free		20%
	80	Other . . . . .	No.			
8539.21.40		Other . . . . .		2.6%	Free (A,CA,E,IL,J,MX)	20%
	40	Of a power less than 500 W . . . . .	No.			
	80	Of a power 500 W or more . . . . .	No.			
8539.22		Other, of a power not exceeding 200 W and for a voltage exceeding 100 V:				
8539.22.40	00	Christmas-tree lamps . . . . .	No.	5.8%	Free (A,CA,E,IL,J,MX)	20%
8539.22.80		Other . . . . .		2.6%	Free (A,CA,E,IL,J,MX)	20%
	10	Of a power not exceeding 150 W:				
	30	3-way . . . . .	No.			
	40	Decorative . . . . .	No.			
	40	Other, including standard household: Of a power 15 W or more but not exceeding 150 W . . . . .	No.			
	60	Other . . . . .	No.			
	70	Of a power exceeding 150 W . . . . .	No.			
8539.29		Other:				
8539.29.10	00	Designed for a voltage not exceeding 100 V: Christmas-tree lamps . . . . .	No.	5.8%	Free (A,CA,E,IL,J,MX)	20%
8539.29.20	00	Lamps having glass envelopes not over 6.35 mm in maximum diameter and suitable for use in cystoscopes and other surgical instruments . . . . .	No.	5.2%	Free (A,CA,E,IL,J,MX)	55%
8539.29.30	20	Other . . . . .		Free		20%
	50	Flashlight lamps . . . . .	No.			
	50	Other: Designed for a voltage of 12 V or more but not exceeding 14 V . . . . .	No.			
8539.29.40	00	Other . . . . .	No.			
	00	Designed for a voltage exceeding 100 V . . . . .	No.	2.6%	Free (A,CA,E,IL,J,MX)	20%

# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-52

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8539 (con.)		Electrical filament or discharge lamps, including sealed beam lamp units and ultraviolet or infrared lamps; arc lamps; parts thereof (con.):				
8539.31.00		Discharge lamps, other than ultraviolet lamps:				
		Fluorescent, hot cathode .....		2.4%	Free (A,CA,E,IL,J, MX)	20%
	40	1.2 m, straight tube, of a power 30 W or more but not exceeding 40 W .....	No.			
		Other:				
	50	With a single plug-in base .....	No.			
	60	With a single screw-in base .....	No.			
	70	Other .....	No.			
8539.32.00		Mercury or sodium vapor lamps; metal halide lamps .....		2.4%	Free (A,CA,E,IL,J, MX)	20%
	20	Sodium vapor .....	No.			
	40	Mercury vapor .....	No.			
	90	Other .....	No.			
8539.39.00	00	Other .....	No.	2.4%	Free (A,CA,E,IL,J, MX)	20%
8539.41.00	00	Ultraviolet or infrared lamps; arc lamps:				
		Arc lamps .....	No.	2.6%	Free (A,CA,E,IL,J, MX)	35%
8539.49.00		Other .....		2.4%	Free (A,CA,E,IL,J, MX)	35%
	40	Ultraviolet lamps .....	No.			
	80	Other .....	No.			
8539.90.00	00	Parts .....	X	2.6%	Free (A,CA,E,IL,J, MX)	35%

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Annotated for Statistical Reporting Purposes

XVI  
85-53

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8540		Thermionic, cold cathode or photocathode tubes (for example, vacuum or vapor or gas filled tubes, mercury arc rectifying tubes, cathode-ray tubes, television camera tubes); parts thereof:				
8540.11		Cathode-ray television picture tubes, including video monitor cathode-ray tubes:				
8540.11.10		Color:				
		Non-high definition, non-projection, having a video display diagonal exceeding 35.56 cm . . . . .		15%	Free (A+,B,CA,D, E,IL,J,MX)	60%
		Having a video display diagonal:				
	30	Not exceeding 39 cm . . . . .	No.			
	40	Exceeding 39 cm but not exceeding 45 cm . . . . .	No.			
	50	Exceeding 45 cm but not exceeding 50 cm . . . . .	No.			
	55	Exceeding 50 cm but not exceeding 63 cm . . . . .	No.			
	65	Exceeding 63 cm but not exceeding 67 cm . . . . .	No.			
	80	Exceeding 67 cm . . . . .	No.			
8540.11.24	01	Non-high definition, non-projection, having a video display diagonal not exceeding 35.56 cm:				
		Having a video display diagonal not exceeding 34.29 cm . . . . .	No. . . . .	7.5%	Free (A+,B,CA,D, E,IL,J,MX)	60%
8540.11.28	01	Other . . . . .	No. . . . .	15%	Free (A+,B,CA,D, E,IL,J,MX)	60%
8540.11.30	00	High definition, having a video display diagonal exceeding 35.56 cm . . . . .	No. . . . .	15%	Free (A+,B,CA,D, E,IL,J,MX)	60%
8540.11.44	01	High definition, having a video display diagonal not exceeding 35.56 cm:				
		Having a video display diagonal not exceeding 34.29 cm . . . . .	No. . . . .	7.5%	Free (A+,B,CA,D, E,IL,J,MX)	60%
8540.11.48	01	Other . . . . .	No. . . . .	15%	Free (A+,B,CA,D, E,IL,J,MX)	60%
8540.11.50	00	Other . . . . .	No. . . . .	15%	Free (A+,B,CA,D, E,IL,J,MX)	60%
8540.12		Black and white or other monochrome:				
		Television picture tubes having a straight line dimension across the faceplate greater than 29 cm but having no straight line dimension across the faceplate that exceeds 42 cm:				
8540.12.10		Non-high definition . . . . .		3.6%	Free (A*,B,CA,E, IL,J,MX)	60%
	40	Projection . . . . .	No.			
	80	Other . . . . .	No.			
8540.12.20	00	High definition . . . . .	No. . . . .	3.6%	Free (A,B,CA,E,IL, J,MX)	60%
8540.12.50		Other:				
		Non-high definition . . . . .		3.3%	Free (A+,B,CA,D, E,IL,J,MX)	60%
	40	Projection . . . . .	No.			
	80	Other . . . . .	No.			
8540.12.70	00	High definition . . . . .	No. . . . .	3.3%	Free (A+,B,CA,D, E,IL,J,MX)	60%

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XVI  
85-54

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8540 (con.)		Thermionic, cold cathode or photocathode tubes (for example, vacuum or vapor or gas filled tubes, mercury arc rectifying tubes, cathode-ray tubes, television camera tubes); parts thereof (con.):				
8540.20		Television camera tubes; image converters and intensifiers; other photocathode tubes:				
8540.20.20		Cathode-ray tubes		6%	Free (A+,B,CA,D, E,IL,J,MX)	35%
	40	Color	No.			
	80	Other	No.			
8540.20.40	00	Other	No.	3.3%	Free (A+,B,CA,D, E,IL,J,MX)	35%
8540.40.00		Data/graphic display tubes, color, with a phosphor dot screen pitch smaller than 0.4 mm		3% <sup>1/</sup>	Free (A+,B,CA,D, E,IL,J,MX)	35%
		Having a video display diagonal:				
	20	Not exceeding 30 cm	No.			
	40	Exceeding 30 cm but not exceeding 33 cm	No.			
	60	Exceeding 33 cm but not exceeding 36 cm	No.			
	80	Exceeding 36 cm	No.			
8540.50.00	00	Data/graphic display tubes, black and white or other monochrome	No.	3%	Free (A+,B,CA,D, E,IL,J,MX)	35%
8540.60.00		Other cathode-ray tubes		3% <sup>2/</sup>	Free (A+,B,CA,D, E,IL,J,MX)	35%
		Having a video display diagonal:				
	20	Not exceeding 30 cm	No.			
	40	Exceeding 30 cm but not exceeding 33 cm	No.			
	60	Exceeding 33 cm but not exceeding 36 cm	No.			
	80	Exceeding 36 cm	No.			
		Microwave tubes (for example, magnetrons, klystrons, traveling wave tubes, carcinotrons), excluding grid-controlled tubes:				
8540.71		Magnetrons:				
8540.71.20	00	Modified for use as parts of microwave ovens	No.	Free		35%
8540.71.40	00	Other	No.	3.7%	Free (A+,CA,D,E, IL,J,MX)	35%
8540.72.00	00	Klystrons	No.	3.3%	Free (A+,CA,D,E, IL,J,MX)	35%
8540.79.00	00	Other	No.	3.7%	Free (A+,CA,D,E, IL,J,MX)	35%
		Other tubes:				
8540.81.00	00	Receiver or amplifier tubes	No.	4.2%	Free (A+,B,CA,D, E,IL,J,MX)	35%
8540.89.00		Other		3.7%	Free (A+,B,CA,D, E,IL,J,MX)	35%
	20	Gas and vapor electron tubes	No.			
	40	Diodes, triodes and tetrodes	No.			
	60	Light-sensing tubes	No.			
	80	Other	No.			
		Parts:				
8540.91		Of cathode-ray tubes:				
8540.91.15	00	Front panel assemblies	X	5.4%	Free (A+,B,CA,D, E,IL,J,MX)	35%
8540.91.20	00	Deflection coils	X	Free		35%
8540.91.50	00	Other	X	5.4%	Free (A+,B,CA,D, E,IL,J,MX)	35%
8540.99		Other:				
8540.99.40	00	Electron guns; radio frequency (RF) interaction structures for microwave tubes of subheadings 8540.71 through 8540.79, inclusive	X	Free		35%
8540.99.80	00	Other	X	Free		35%

<sup>1/</sup> See subheading 9902.85.41.

<sup>2/</sup> See subheading 9902.85.42.

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XVI  
85-55

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8541		Diodes, transistors and similar semiconductor devices; photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light-emitting diodes; mounted piezoelectric crystals; parts thereof:				
8541.10.00		Diodes, other than photosensitive or light-emitting diodes		Free		35%
	40	Unmounted chips, dice and wafers	No.			
		Other:				
	50	Zener	No.			
	60	Microwave	No.			
		Other:				
	70	With a maximum current of 0.5 A or less	No.			
	80	Other	No.			
8541.21.00		Transistors, other than photosensitive transistors:		Free		35%
	40	With a dissipation rate of less than 1 W				
		Unmounted chips, dice and wafers	No.			
		Other:				
	75	With an operating frequency not less than 100 MHz	No.			
	95	Other	No.			
8541.29.00		Other		Free		35%
	40	Unmounted chips, dice and wafers	No.			
		Other:				
	75	With an operating frequency not less than 30 MHz	No.			
	95	Other	No.			
8541.30.00		Thyristors, diacs and triacs, other than photosensitive devices		Free		35%
	40	Unmounted chips, dice and wafers	No.			
	80	Other	No.			
8541.40		Photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light-emitting diodes:				
8541.40.20	00	Light-emitting diodes (LED's)	No.	Free		20%
8541.40.60		Other diodes		Free		35%
	10	Unmounted chips, dice and wafers	No.			
		Other:				
		Solar cells:				
	20	Assembled into modules or made up into panels		No.		
	30	Other	No.			
	50	Other	No.			
8541.40.70		Transistors		Free		35%
	40	Unmounted chips, dice and wafers	No.			
	80	Other	No.			
		Other:				
8541.40.80	00	Optical coupled isolators	No.	Free		35%
8541.40.95	00	Other	No.	Free		35%
8541.50.00		Other semiconductor devices		Free		35%
	40	Unmounted chips, dice and wafers	No.			
	80	Other	No.			
8541.60.00		Mounted piezoelectric crystals		Free		35%
		Quartz designed for operating frequencies of:				
	10	32.768 kHz	No.			
	20	Not exceeding 1 MHz, except 32.768 kHz	No.			
	30	Exceeding 1 MHz, but not exceeding 5 MHz	No.			
	50	Exceeding 5 MHz, but not exceeding 20 MHz	No.			
	60	Exceeding 20 MHz	No.			
	80	Other	No.			
8541.90.00	00	Parts	X	Free		35%

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XVI  
85-56

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8542		Electronic integrated circuits and microassemblies; parts thereof:				
8542.12.00	00	Monolithic digital integrated circuits: Cards incorporating electronic integrated circuits ("smart" cards) . . . . .	No. . . . .	Free		35%
8542.13		Metal oxide semiconductors (MOS technology):				
8542.13.40	00	For high definition television, having greater than 100,000 gates . . . . .	No. . . . .	Free		35%
8542.13.80		Other . . . . .		Free		35%
	05	Unmounted chips, dice and wafers:				
	10	Silicon . . . . .	No.			
		Other . . . . .	No.			
		Other, silicon:				
		Volatile memory:				
		Dynamic read-write random access (DRAM):				
	12	Not over 1 megabit . . . . .	No.			
	26	Over 1 megabit but not over 8 megabits . . . . .	No.			
	29	Over 8 megabits but not over 16 megabits . . . . .	No.			
	30	Over 16 megabits but not over 64 megabits . . . . .	No.			
	31	Over 64 megabits but not over 128 megabits . . . . .	No.			
	32	Over 128 megabits . . . . .	No.			
		Static read-write random access (SRAM):				
	43	Not over 256 kilobits . . . . .	No.			
	45	Over 256 kilobits but not over 2 megabits . . . . .	No.			
	49	Over 2 megabits . . . . .	No.			
		Other memory:				
		Electrically erasable programmable read-only memory (EEPROM):				
	51	Not over 64 kilobits . . . . .	No.			
	52	Over 64 kilobits but not over 512 kilobits . . . . .	No.			
	57	Over 512 kilobits . . . . .	No.			
		Erasable (except electrically) programmable read-only memory (EPROM):				
	58	Not over 64 kilobits . . . . .	No.			
	59	Over 64 kilobits but not over 512 kilobits . . . . .	No.			
	60	Over 512 kilobits . . . . .	No.			
	65	Other . . . . .	No.			



# Harmonized Tariff Schedule of the United States (2001)

Annotated for Statistical Reporting Purposes

XVI  
85-57

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8542 (con.)		Electronic integrated circuits and microassemblies; parts thereof (con.):				
8542.13 (con.)		Monolithic digital integrated circuits (con.):				
8542.13.80 (con.)		Metal oxide semiconductors (MOS technology) (con.):				
		Other (con.):				
		Other, silicon (con.):				
		Other, including microprocessors, controllers, application specific integrated circuits (ASIC), and programmable logic arrays (PLA):				
		Microprocessors having an internal data bus of:				
	66	8 bits or less . . . . .	No.			
	67	16 bits . . . . .	No.			
	68	32 bits or more . . . . .	No.			
	72	Other . . . . .	No.			
		Other:				
	92	Memory . . . . .	No.			
	96	Other, including logic . . . . .	No.			
8542.14 (con.)		Circuits obtained by bipolar technology:				
8542.14.40 (con.)	00	For high definition television, having greater than 100,000 gates . . . . .	No. . . . .	Free		35%
8542.14.80 (con.)		Other . . . . .		Free		35%
		Unmounted chips, dice and wafers:				
	01	Silicon . . . . .	No.			
	02	Other . . . . .	No.			
		Other, silicon:				
		Memory:				
	04	Static read-write random access (SRAM) . . . . .	No.			
	07	Other . . . . .	No.			
		Other, including logic:				
	11	Transistor-transistor logic (TTL) . . . . .	No.			
	12	Emitter coupled logic (ECL) . . . . .	No.			
	17	Other . . . . .	No.			
		Other:				
	92	Memory . . . . .	No.			
	96	Other, including logic . . . . .	No.			
8542.19 (con.)		Other, including circuits obtained by a combination of bipolar and MOS technologies (BiMOS technology):				
8542.19.40 (con.)	00	For high definition television, having greater than 100,000 gates . . . . .	No. . . . .	Free		35%
8542.19.80 (con.)		Other . . . . .		Free		35%
		Unmounted chips, dice and wafers:				
	01	Silicon . . . . .	No.			
	02	Other . . . . .	No.			
		Other, silicon:				
		Complementary BiMOS (BiCMOS):				
	73	Memory . . . . .	No.			
	78	Other, including logic . . . . .	No.			
	79	Other . . . . .	No.			
		Other:				
	92	Memory . . . . .	No.			
	96	Other, including logic . . . . .	No.			

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XVI  
85-58

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8542 (con.)		Electronic integrated circuits and microassemblies; parts thereof (con.):				
8542.30.00		Other monolithic integrated circuits .....	No.	Free		35%
	40	Unmounted chips, dice and wafers .....	No.			
		Other:				
	60	With an operating frequency not less than 100 MHZ .....	No.			
		Other:				
	65	Analog .....	No.			
		Other, including mixed signal (analog/digital):				
	80	Logic .....	No.			
	90	Other .....	No.			
8542.40.00		Hybrid integrated circuits .....		Free		35%
	75	With an operating frequency not less than 30 MHZ	No.			
	95	Other .....	No.			
8542.50.00	00	Electronic microassemblies .....	No.	Free		35%
8542.90.00	00	Parts .....	X	Free		35%

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Annotated for Statistical Reporting Purposes

XVI  
85-59

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8543		Electrical machines and apparatus, having individual functions, not specified or included elsewhere in this chapter; parts thereof:				
		Particle accelerators:				
8543.11.00	00	Ion implanters designed for doping semiconductor materials . . . . .	No. . . . .	Free		35%
8543.19.00	00	Other . . . . .	No. . . . .	1.9%	Free (A,CA,E,IL,J, MX)	35%
8543.20.00	00	Signal generators . . . . .	No. . . . .	2.6%	Free (A,CA,E,IL,J, MX)	35%
8543.30.00	00	Machines and apparatus for electroplating, electrolysis or electrophoresis . . . . .	X . . . . .	2.6%	Free (A,CA,E,IL,J, MX)	35%
8543.40.00	00	Electric fence energizers . . . . .	No. . . . .	2.6%	Free (A,CA,E,IL,J, MX)	35%
		Other machines and apparatus:				
8543.81.00	00	Proximity cards and tags . . . . .	No. . . . .	Free		35%
8543.89		Other:				
8543.89.40	00	Electric synchros and transducers; flight data recorders; defrosters and demisters with electric resistors for aircraft . . . . .	X . . . . .	2.6%	Free (A,C,CA,E,IL, J,MX)	35%
8543.89.60	00	Articles designed for connection to telegraphic or telephonic apparatus or instruments or to telegraphic or telephonic networks . . . . .	X . . . . .	2.6%	Free (A,B,CA,E,IL, J,MX)	35%
8543.89.70	00	Electric luminescent lamps . . . . .	No. . . . .	2%	Free (A,CA,E,IL,J, MX)	20%
		Other:				
8543.89.80	00	Microwave amplifiers . . . . .	No. . . . .	2.6%	Free (A,B,CA,E,IL, J,MX)	35%
		Other:				
8543.89.85	00	For electrical nerve stimulation . . . . .	No. . . . .	Free		35%
8543.89.92	00	Electrical machines with translation or dictionary functions; flat panel displays other than for articles of heading 8528 . . . . .	X . . . . .	Free		35%
8543.89.96		Other . . . . .		2.6%	Free (A,B,CA,E,IL, J,MX)	35%
	20	Resistor/capacitor networks . . . . .	No.			
	60	Amplifiers . . . . .	No.			
	70	Special effects pedals for use with musical instruments . . . . .	No.			
	95	Other . . . . .	X			

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Annotated for Statistical Reporting Purposes

XVI  
85-60

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8543 (con.)		Electrical machines and apparatus, having individual functions, not specified or included elsewhere in this chapter; parts thereof (con.):				
8543.90		Parts:				
		Assemblies and subassemblies for flight data recorders, consisting of two or more parts or pieces fastened or joined together:				
8543.90.15	00	Printed circuit assemblies . . . . .	X . . . . .	2.6%	Free (A,B,C,CA,E,IL,J,MX)	35%
8543.90.35	00	Other . . . . .	X . . . . .	2.6%	Free (A,B,C,CA,E,IL,J,MX)	35%
		Other:				
		Printed circuit assemblies:				
8543.90.64	00	Of ion implanters of subheading 8543.11; of flat panel displays other than for articles of heading 8528 . . . . .	X . . . . .	Free		35%
8543.90.68	00	Other . . . . .	X . . . . .	2.6%	Free (A,B,CA,E,IL,J,MX)	35%
		Other:				
8543.90.84	00	Of ion implanters of subheading 8543.11; of flat panel displays other than for articles of heading 8528 . . . . .	X . . . . .	Free		35%
8543.90.88		Other . . . . .		2.6%	Free (A,B,CA,E,IL,J,MX)	35%
	45	Of particle accelerators . . . . .	X			
	80	Other . . . . .	X			

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Annotated for Statistical Reporting Purposes

XVI  
85-61

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8544		Insulated (including enameled or anodized) wire, cable (including coaxial cable) and other insulated electric conductors, whether or not fitted with connectors; optical fiber cables, made up of individually sheathed fibers, whether or not assembled with electric conductors or fitted with connectors:				
8544.11.00		Winding wire:				
		Of copper .....		3.5%	Free (A,B,CA,E,IL, J,MX)	40%
	20	33 AWG (0.18 mm in diameter) and finer .....	kg			
	30	22 AWG (0.643 mm in diameter) and finer but larger than 33 AWG (0.18 mm in diameter) .....	kg			
	50	Other .....	kg			
8544.19.00	00	Other .....	kg	3.9%	Free (A,B,CA,E,IL, J,MX)	35%
8544.20.00	00	Coaxial cable and other coaxial electric conductors .....	kg	5.3%	Free (A,B,CA,E,IL, J,MX)	35%
8544.30.00	00	Ignition wiring sets and other wiring sets of a kind used in vehicles, aircraft or ships .....	X	5%	Free (A*,B,C,CA,E, IL,J,MX)	30%
		Other electric conductors, for a voltage not exceeding 80 V:				
		Fitted with connectors:				
8544.41		Of a kind used for telecommunications .....	X	Free		35%
8544.41.40	00	Other .....	X	2.6%	Free (A,B,CA,E,IL, J,MX)	35%
8544.41.80	00	Other:				
		Of a kind used for telecommunications .....	kg	Free		40%
8544.49		Other .....	kg	3.5%	Free (A,B,CA,E,IL, J,MX)	40%
8544.49.40	00	Other electric conductors, for a voltage exceeding 80 V but not exceeding 1,000 V:				
		Fitted with connectors:				
8544.51		Fitted with modular telephone connectors .....	X	Free		35%
8544.51.40	00	Other:				
		Of a kind used for telecommunications .....	X	Free		35%
8544.51.70	00	Other .....	X	2.6%	Free (A,B,CA,E,IL, J,MX)	35%
8544.51.90	00	Other:				
		Of copper .....		5.3%	Free (A,B,CA,E,IL, J,MX)	40%
8544.59		For a voltage exceeding 600 V .....	kg			
8544.59.20		Other .....	kg			
	40	Other .....	kg	3.9%	Free (A,B,CA,E,IL, J,MX)	35%
8544.59.40	00	Other electric conductors, for a voltage exceeding 1,000 V:				
		Fitted with connectors .....	X	3.7%	Free (A,B,CA,E,IL, J,MX)	35%
8544.60		Other:				
		Of copper .....	kg	3.5%	Free (A,B,CA,E,IL, J,MX)	40%
8544.60.40	00	Other .....	kg	3.2%	Free (A,B,CA,E,IL, J,MX)	35%
8544.60.60	00	Optical fiber cables .....	Fiber m	Free		65%

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XVI  
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Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8545		Carbon electrodes, carbon brushes, lamp carbons, battery carbons and other articles of graphite or other carbon, with or without metal, of a kind used for electrical purposes:				
8545.11.00	00	Electrodes:				
		Of a kind used for furnaces . . . . .	kg . . . . .	Free		45%
8545.19		Other:				
8545.19.20	00	Of a kind used for electrolytic purposes . . . . .	kg . . . . .	Free		45%
8545.19.40	00	Other . . . . .	kg . . . . .	Free		45%
8545.20.00	00	Brushes . . . . .	kg . . . . .	Free		45%
8545.90		Other:				
8545.90.20	00	Arc light carbons . . . . .	kg . . . . .	Free		60%
8545.90.40	00	Other . . . . .	kg . . . . .	Free		45%
8546		Electrical insulators of any material:				
8546.10.00	00	Of glass . . . . .	No. . . . .	2.9%	Free (A,CA,E,IL,J, MX)	50%
8546.20.00		Of ceramics . . . . .		3%	Free (A,B,CA,E,IL, J,MX)	60%
		Used in high-voltage, low-frequency electrical systems:				
	30	Commonly known as suspension, pin-type or line post insulators . . . . .	No.			
	60	Other . . . . .	No.			
	90	Other . . . . .	No.			
8546.90.00	00	Other . . . . .	No. . . . .	Free		30%
8547		Insulating fittings for electrical machines, appliances or equipment, being fittings wholly of insulating material apart from any minor components of metal (for example, threaded sockets) incorporated during molding solely for the purposes of assembly, other than insulators of heading 8546; electrical conduit tubing and joints therefor, of base metal lined with insulating material:				
8547.10		Insulating fittings of ceramics:				
8547.10.40	00	Ceramic insulators to be used in the production of spark plugs for natural gas-fueled, stationary, internal combustion engines . . . . .	No. . . . .	3%	Free (A,CA,E,IL,J, MX)	60%
8547.10.80	00	Other . . . . .	No. . . . .	3%	Free (A,B,CA,E,IL, J,MX)	60%
8547.20.00	00	Insulating fittings of plastics . . . . .	No. . . . .	Free		30%
8547.90.00		Other . . . . .		4.6%	Free (A,B,CA,E,IL, J,MX)	45%
	10	Other insulating fittings . . . . .	No.			
		Electrical conduit tubing and joints therefor, of base metal lined with insulating material:				
	20	Conduit tubing . . . . .	kg			
		Joints:				
	30	Threaded . . . . .	kg			
	40	Other . . . . .	kg			

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Annotated for Statistical Reporting Purposes

XVI  
85-63

Heading/ Subheading	Stat. Suf- fix	Article Description	Unit of Quantity	Rates of Duty		
				1		2
				General	Special	
8548		Waste and scrap of primary cells, primary batteries and electric storage batteries; spent primary cells, spent primary batteries and spent electric storage batteries; electrical parts of machinery or apparatus, not specified or included elsewhere in this chapter:				
8548.10		Waste and scrap of primary cells, primary batteries and electric storage batteries; spent primary cells, spent primary batteries and spent electric storage batteries:				
8548.10.05		Spent primary cells, spent primary batteries and spent electric storage batteries:				
	40	For recovery of lead .....		Free		11.5%
		Lead-acid storage batteries, of a kind used for starting engines .....	No. kg			
	80	Other .....	No. kg			
8548.10.15	00	Other .....	kg	Free		Free
		Other:				
8548.10.25	00	For recovery of lead .....	No.	Free		11.5%
			kg			
8548.10.35	00	Other .....	kg	Free		Free
8548.90.00	00	Other .....	X	Free		35%