

GOVERNMENT OF ANDHRA PRADESH  
ABSTRACT

Electronics Hardware Policy of the Govt. of Andhra Pradesh – Scheme of State facilities / incentives for Electronic Hardware Industries in AP – Orders - Issued

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**INFORMATION TECHNOLOGY & COMMUNICATIONS DEPARTMENT**

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G.O.Ms.No. 41

Dated: 21.08.2001

Read the following:

1. G.O.Ms.No. 114, Finance & Planning (Plg, IT&C) Dept., dated 25.5.1999
2. G.O.Ms.No. 5, IT&C Dept., dated 16.06.2000
3. G.O.Ms.No. 9, Industries & Commerce (IP) Dept., dated 5.1.2001
4. G.O.Ms.No. 28, Labour Employment, Training & Factories (LAB II) Dept., dated 21.4.2001

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1. Electronic Hardware is one of the fastest growing sectors of economy in the world today. To take advantage of the rapid growth of this sector for the socio-economic development of its citizens, the Govt. of AP desires to create a world-class vibrant hardware industry in the State. The State shall match the best in the world in terms of innovation, quality, price and agility of manufacture and by doing so, become the leader of the industry in the country and achieve 10% market share by 2008.

2. The development of the industry will be done on the basis of the Industrial Policy 2000 – 2005. Accordingly, the provisions of the new Industrial Policy are fine tuned for the requirements of the Electronic Hardware sector in close association with the industry and a world-class consultant with the following objectives:

- i) developing benchmarks for the industry with respect to global practices
- ii) identification of key drivers of growth and gap analysis
- iii) assessment of market size and segments for the domestic and export market
- iv) global and domestic competitive analysis, and
- v). developing a road map for achieving excellence

3. The primary thrust of the policy will be towards creation of state-of-art infrastructure such as power, water, telecommunication facilities including Internet connectivity, roads, and drainage etc. and “providing them to the door step of the proposed industry” in identified areas. An area of about 5000 acres adjacent to the proposed International Airport has been identified for development of the **Hardware Park**. As a first step, the APIIC in association with a renowned private sector agency, will develop 100 acres with reliable power, adequate water supply systems, accessibility through a suitable road and transport network, sewerage systems and effluent treatment systems etc., conforming to international norms, on a pilot basis. The Govt. of Andhra Pradesh, will provide land to the developers, against equity in the venture. Telecommunications/high speed data communication facilities will be provided at the pilot site. A Park Management Authority will be established to provide a single window system to ensure quick and hassle free service to clients. As more industries are located in the Park, the area will be expanded, ultimately covering the entire 5000 acres. The Park will be extended into a logistics hub and will be the center of regional distribution. It

will provide Warehousing, Container Depots, and Distribution facilities. Cargo movement through Air, Road, Rail and other Multi-modal transportation will be facilitated. The Park will be developed as an integrated township with all supporting facilities such as Housing, Hotels, Club houses, Recreation and Sports facilities etc. The State Govt. intends to eventually develop it as a **Special Economic Zone** as per the norms prescribed by the Govt. of India.

4. For the development of the infrastructure in the pilot project and to meet crucial balancing requirements from time to time in other Hardware Parks to be planned in future, a Hardware Infrastructure Development Fund (HIDF) of Rs. 50 Crores will be created by the Govt. This will be used as seed capital for development of the pilot project and will be used as a revolving fund subsequently. Resources for the HIDF will be met out of the provision for the AP Industrial Infrastructure Fund. The Fund shall also provide for accruals through contributions, levies and other sources of income from the industry to make it self-sustaining.

5. Agility of manufacture is critical to the growth of the hardware industry. The Govt. of India has provided various mechanisms to ensure such agility through creation of Special Economic Zones. To capitalize on the benefits of SEZs, GoAP will promote the development of such zones wherever feasible. The Govt. will also demarcate an exclusive area for the hardware manufacture within the SEZ notified in Visakhapatnam.

6. The following incentives will be provided to the Electronic Hardware Industry in the State:

- i. Hardware Industry will be exempted from statutory Power cuts
- ii. Whenever industries are located in places other than designated industrial areas, the Govt. will share the cost of infrastructure up to 25% or Rs. 100 lakhs whichever is less, if such a location is otherwise justified.
- iii. 50% exemption will be allowed on Stamp duty, Registration and transfer duty on purchase of lands meant for industrial use. Exemption of Stamp duty and registration fee for loan agreements, credit deeds, mortgages and hypothecation deeds executed by the industries in favour of Banks or Financial institutions, will also be allowed.
- iv. 20% Investment Subsidy on capital investment on land, buildings and plant & machinery up to a maximum of Rs.20 lakhs will be given to eligible SSI and tiny units. Out of this 50% up to a maximum of Rs. 10 lakhs will be given as a cash subsidy. The balance subsidy of 50% up to a maximum of Rs. 10 lakhs will be provided for the following purposes:
  1. Import of new (not second hand) machinery
  2. Training of entrepreneurs
  3. Training of workers
  4. Testing and certification facilities for raw material and finished products
- v. An additional cash subsidy of 10% on capital investment subject to a limit of Rs. 10 lakhs will be given to SC/ST entrepreneurs in the eligible SSI and tiny units.

- vi. The need for conversion of land used from agricultural use to industrial use will be dispensed with except in the tank bed lands.
- vii. All industrial units will be exempted from payment of Non – Agricultural Land Assessment.
- viii. In case of Mega projects with capital investment exceeding Rs. 500 Crores (US \$ 100 million) Govt. may consider a special package of incentives except tax-based incentives on a case-to-case basis.

These incentives are provided under the provisions of the new Industrial Policy vide G.O.Ms. No. 9, dated 5.1.2001, Industries & Commerce (IP) Department.

7. On the lines of G.O.Ms.No.28, dt. 21-4-2001, Labour Employment Training and Factories (Lab.II) Department, the hardware sector shall be permitted self-certification in the prescribed format under the following Labour Laws:

- a. The Factories Act, 1948 and Andhra Pradesh Factories Rules, 1950;
- b. The Maternity Benefit Act, 1961 and Rules made there under;
- c. The Andhra Pradesh Shops and Establishments Act, 1988 and the Andhra Pradesh Shops and Establishments Rules, 1990;
- d. The Contract Labour (Regulation and Abolition) Act, 1970 and Andhra Pradesh Contract Labour (Regulation and Abolition) Rules, 1971;
- e. The Payment of Wages Act, 1936 and the Andhra Pradesh Payment of Wages Rules, 1937;
- f. The Minimum Wages Act, 1948 and the Andhra Pradesh Minimum Wages Rules, 1949; and
- g. The Employment Exchanges (compulsory Notification of Vacancies) Act, 1959.

8. No self-certificate need be issued in respect of the Workmen's Compensation Act, 1923. However, the Government and their authorized officers shall have full powers to inspect the above related Industries at any time on any complaint received, and to take action on the erring managements for the deviations, if any found, as per Acts and Rules made there under. The Government shall examine the other areas where self-certification is feasible.

9. In order to develop a "green" Hardware Industry in the State, the Govt. shall levy an Environment Tax equal to the cost of plantation and maintenance for 5 years for raising of green belts. Industries who raise green belt to the extent stipulated will be exempted from payment from this tax.

10. To control pollution and to ensure effective waste and effluent treatment, the Govt. will develop independent environmental audit agencies in association with the industry. The industry will be free to conduct environmental audits on their own or through private agencies. The Pollution Control Board will evaluate such independent environmental audits wherever required.

11. Single Window registration for clearance will be made compulsory by law. In the case of EOUs such clearances will be handled by STPI, Hyderabad. In SEZs the

concerned Development Commissioner will handle such clearances. For all other units the GoAP will constitute a suitable authority.

12. To provide a conducive environment for speedy manufacture of Electronic Hardware in the State, the State Government will take up relevant issues with the Govt. of India for simplification of Customs and Central Excise laws and for faster Airport clearances.

13. For the purpose of this policy the Electronic Hardware Industry will include electronic components, digital electronic equipment and intermediate products and specified Telecom products as per annexure of the WTO-IT agreement (Annexure )

14. The IT&C Department, shall issue detailed guidelines for the implementation of the Policy separately.

15. This order issues with the concurrence of the Finance Wing of the Finance & Planning Department vide C.O.No. 3976/PFS/01, dated 17.08.2001.

16. A copy of this order is also available on the Web at [www.ap-it-com](http://www.ap-it-com) and also at [www.aps.gov.in/apgos](http://www.aps.gov.in/apgos).

( BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH )

J. SATYANARAYANA  
Secretary to Government

To  
All the Departments of Secretariat  
Commissioner, Municipal Administration  
Commissioner and I.G Stamps & Registration  
Commissioner, Industries  
Chairman and Managing Director, APIIC  
Managing Director, APIDC  
Commissioner, Information and Public Relations  
Managing Director, APTSL  
Member Secretary, AP Pollution Control Board  
Chairman, GENCO/TRANSCO  
Commissioner, Commercial Taxes  
Director, Employment and Training  
Commissioner, Labour  
Director of Factories and Boilers  
Director, Employees State Insurance  
Copy to:- STPI, Hyderabad /DOE, GOI/Chief Ministers Office/Chief PRO to CM/Prl.  
Secretary to CM/Special Secretary to CM

// FORWARDED BY ORDER //

SECTION OFFICER

**Annexure**  
**Products covered under the definition of Electronic Hardware**  
(Please see para 13 of GO Ms. No:41, IT&C Dept., dated 21-8-2001)

There are two attachments to the Annex.  
Attachment A lists the HS headings or parts thereof to be covered.  
Attachment B lists specific products to be covered by an ITA wherever they are classified in the HS.

**Attachment A, Section 1**

HS96	HS description
3818	Chemical elements doped for use in electronics, in form of discs, wafers or similar forms; chemical compounds doped for use in electronics
8469 11	Word processing machines
8470	Calculating machines and pocket size data recording, reproducing and displaying machines with a calculating function; accounting machines, postage franking machines, ticket issuing machines and similar machines, incorporating a calculating devices; cash registers:
8470 10	Electronic calculators capable of operating without an external source of electric power and pocket size data recording, reproducing and displaying machines with calculating functions
8470 21	Other electronic calculating machines incorporating a printing device
8470 29	Other
8470 30	Other calculating machines
8470 40	Accounting machines
8470 50	Cash registers
8470 90	Other
8471	Automatic data processing machines and units thereof; magnetic or optical readers, machines for transcribing data onto data media in coded form and machines for processing such data, not elsewhere specified or included:
8471 10	Analogue or hybrid automatic data processing machines
8471 30	Portable digital automatic data processing machines, weighing no more than 10 kg, consisting of at least a central processing unit, a keyboard and a display
8471 41	Other digital automatic data processing machines comprising in the same housing at least a central processing unit and an input and output unit, whether or not combined
8471 49	Other digital automatic data processing machines presented in the form of systems
8471 50	Digital processing units other than those of subheading 8471 41 and 8471 49, whether or not in the same housing one or two of the following types of units : storage units, input units, output units
8471 60	Input or output units, whether or not containing storage units in the same housing
8471 70	Storage units, including central storage units, optical disk storage units, hard disk drives and magnetic tape storage units
8471 80	Other units of automatic data processing machines
8471 90	Other
ex 8472 90	Automatic teller machines
8473 21	Parts and accessories of the machines of heading No 8470 of the electronic calculating machines of subheading 8470 10, 8470 21 and 8470 29
8473 29	Parts and accessories of the machines of heading No 8470 other than the electronic calculating machines of subheading 8470 10, 8470 21 and 8470 29
8473 30	Parts and accessories of the machines of heading No 8471
8473 50	Parts and accessories equally suitable for use with machines of two or more of the headings Nos. 8469 to 8472
ex 8504 40	Static converters for automatic data processing machines and units thereof, and telecommunication apparatus

ex	8504	50	Other inductors for power supplies for automatic data processing machines and units thereof, and telecommunication apparatus
	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:
	8517	11	Line telephone sets with cordless handsets
	8517	19	Other telephone sets and videophones
	8517	21	Facsimile machines
	8517	22	Teleprinters
	8517	30	Telephonic or telegraphic switching apparatus
	8517	50	Other apparatus, for carrier current line systems or for digital line systems
	8517	80	Other apparatus including entry phone systems
	8517	90	Parts of apparatus of heading 8517
ex	8518	10	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
ex	8518	30	Line telephone handsets
ex	8518	29	Loudspeakers, without housing, having a frequency range of 300 Hz to 3,4 KHz with a diameter of not exceeding 50 mm, for telecommunication use
	8520	20	Telephone answering machines
	8523	11	Magnetic tapes of a width not exceeding 4 mm
	8523	12	Magnetic tapes of a width exceeding 4 mm but not exceeding 6,5 mm
	8523	13	Magnetic tapes of a width exceeding 6,5 mm
	8523	20	Magnetic discs
	8523	90	Other
	8524	31	Discs for laser reading systems for reproducing phenomena other than sound or image
			Other :
ex	8524	39	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
	8524	40	Magnetic tapes for reproducing phenomena other than sound or image
	8524	91	Media for reproducing phenomena other than sound or image
			Other :
ex	8424	99	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
ex	8525	10	Transmission apparatus other than apparatus for radio broadcasting or television
	8525	20	Transmission apparatus incorporating reception apparatus
ex	8525	40	Digital still image video cameras
ex	8527	90	Portable receivers for calling, alerting or paging
ex	8529	10	Aerials or antennae of a kind used with apparatus for radiotelephony and radiotelegraphy
			Parts of:
			transmission apparatus other than apparatus for radio broadcasting or television
ex	8529	90	transmission apparatus incorporating reception apparatus
			digital still image video cameras,
			portable receivers for calling, alerting or paging
	8531	20	Indicator panels incorporating liquid crystal devices (LCD) or light emitting diodes (LED)
ex	8531	90	Parts of apparatus of subheading 8531 20

	8532	Electrical capacitors, fixed, variable or adjustable (preset):
	8532	10 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)
	8532	21 Tantalum fixed capacitors
	8532	22 Aluminium electrolytic fixed capacitors
	8532	23 Ceramic dielectric, single layer fixed capacitors
	8532	24 Ceramic dielectric, multilayer fixed capacitors
	8532	25 Dielectric fixed capacitors of paper or plastics
	8532	29 Other fixed capacitors
	8532	30 Variable or adjustable (preset) capacitors
	8532	90 Parts
	8533	Electrical resistors (including rheostats and potentiometers), other than heating resistors:
	8533	10 Fixed carbon resistors, composition or film types
	8533	21 Other fixed resistors for a power handling capacity not exceeding 20 W
	8533	29 Other fixed resistors for a power handling capacity of 20 W or more
	8533	31 Wirewound variable resistors, including rheostats and potentiometers, for a power handling capacity not exceeding 20 W
	8533	39 Wirewound variable resistors, including rheostats and potentiometers, for a power handling capacity of 20 W or more
	8533	40 Other variable resistors, including rheostats and potentiometers
	8533	90 Parts
	8534	Printed circuits
ex	8536	50 Electronic AC switches consisting of optically coupled input and output circuits (Insulated thyristor AC switches)
ex	8536	50 Electronic switches, including temperature protected electronic switches, consisting of a transistor and a logic chip (chip on chip technology) for a voltage not exceeding 1000 volts
ex	8536	50 Electromechanical snap action switches for a current not exceeding 11 amps
ex	8536	69 Plugs and sockets for coaxial cables and printed circuits
ex	8536	90 Connection and contact elements for wires and cables
	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:
	8541	10 Diodes, other than photosensitive or light emitting diodes
	8541	21 Transistors, other than photosensitive transistors, with a dissipation rate of less than 1 W
	8541	29 Transistors, other than photosensitive transistors, with a dissipation rate of 1 W or more
	8541	30 Thyristors, diacs and triacs, other than photosensitive devices
	8541	40 Photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light emitting diodes
	8541	50 Other semiconductor devices
	8541	60 Mounted piezoelectric crystals
	8541	90 Parts
	8542	Electronic integrated circuits and micro assemblies
	8542	12 Cards incorporating an electronic integrated circuit ('smart' cards)
	8542	13 Metal oxide semiconductors (MOS technology)
	8542	14 Circuits obtained by bipolar technology
	8542	19 Other monolithic digital integrated circuits, including circuits obtained by a combination of bipolar and MOS technologies (BIMOS technology)

	8542	30	Other monolithic integrated circuits
	8542	40	Hybrid integrated circuits
	8542	50	Electronic micro assemblies
	8542	90	Part
	8543	81	Proximity cards and tags
ex	8543	89	Electrical machines with translation or dictionary functions
ex	8544	41	Other electric conductors, for a voltage not exceeding 80 V, fitted with connectors, of a kind used for telecommunications
ex	8544	49	Other electric conductors, for a voltage not exceeding 80 V, not fitted with connectors, of a kind used for telecommunications
ex	8544	51	Other electric conductors, for a voltage exceeding 80 V but not exceeding 1000 V, fitted with connectors, of a kind used for telecommunications
	8544	70	Optical fibre cables
	9009	11	Electrostatic photocopying apparatus, operating by reproducing the original image directly onto the copy (direct process)]
	9009	21	Other photocopying apparatus, incorporating an optical system
	9009	90	Parts and accessories
	9026		Instruments and apparatus for measuring or checking the flow, level, pressure or other variables of liquids or gases (for example, flow meters, level gauges, manometers, heat meters), excluding instruments and apparatus of heading No 9014, 9015, 9028 or 9032:
	9026	10	Instruments for measuring or checking the flow or level of liquids
	9026	20	Instruments and apparatus for measuring or checking pressure
	9026	80	Other instruments and apparatus for measuring or checking of heading 9026
	9026	90	Parts and accessories of instruments and apparatus of heading 9026
	9027	20	Chromatographs and electrophoresis instruments
	9027	30	Spectrometers, spectrophotometers and spectrographs using optical radiations (UV, visible, IR)
	9027	50	Other instruments and apparatus using optical radiations (UV, visible, IR) of heading No 9027
	9027	80	Other instruments and apparatus of heading No 9027 (other than those of heading No 9027 10)
ex	9027	90	Parts and accessories of products of heading 9027, other than for gas or smoke analysis apparatus and microtomes
	9030	40	Instruments and apparatus for measuring and checking, specially designed for telecommunications (for example, crosstalk meters, gain measuring instruments, distortion factor meters, psophometers)

## Attachment A, Section 2

Semiconductor manufacturing and testing equipment and parts thereof

	HS Code	Description	Comments
ex	7017 10	Quartz reactor tubes and holders designed for insertion into diffusion and oxidation furnaces for production of semiconductor wafers	For Attachment B
ex	8419 89	Chemical vapor deposition apparatus for semiconductor production	For Attachment B
ex	8419 90	Parts of chemical vapor deposition apparatus for semiconductor production	For Attachment B
ex	8421 19	Spin dryers for semiconductor wafer processing	
ex	8421 91	Parts of spin dryers for semiconductor wafer processing	
ex	8424 89	Deflash machines for cleaning and removing contaminants from the metal leads of semiconductor packages prior to the electroplating process	
ex	8424 89	Spraying appliances for etching, stripping or cleaning semiconductor wafers	
ex	8424 90	Parts of spraying appliances for etching, stripping or cleaning semiconductor wafers	
ex	8456 10	Machines for working any material by removal of material, by laser or other light or photo beam in the production of semiconductor wafers	



ex	8456 91	Apparatus for stripping or cleaning semiconductor wafers	For Attachment B
	8456 91	Machines for dry etching patterns on semiconductor materials	
ex	8456 99	Focused ion beam milling machines to produce or repair masks and reticles for patterns on semiconductor devices	
ex	8456 99	Lasercutters for cutting contacting tracks in semiconductor production by laser beam	For Attachment B
ex	8464 10	Machines for sawing monocrystal semiconductor boules into slices, or wafers into chips	For Attachment B
ex	8464 20	Grinding, polishing and lapping machines for processing of semiconductor wafers	
ex	8464 90	Dicing machines for scribing or scoring semiconductor wafers	
ex	8466 91	Parts for machines for sawing mono crystal semiconductor boules into slices, or wafers into chips	For Attachment B
ex	8466 91	Parts of dicing machines for scribing or scoring semiconductor wafers	For Attachment B
ex	8466 91	Parts of grinding, polishing and lapping machines for processing of semiconductor wafers	
ex	8466 93	Parts of focused ion beam milling machines to produce or repair masks and reticles for patterns on semiconductor devices	
ex	8466 93	Parts of laser cutters for cutting contacting tracks in semiconductor production by laser beam	For Attachment B
ex	8466 93	Parts of machines for working any material by removal of material, by laser or other light or photo beam in the production of semiconductor wafers	
ex	8456 93	Parts of apparatus for stripping or cleaning semiconductor wafers	For Attachment B
ex	8466 93	Parts of machines for dry etching patterns on semiconductor materials	
ex	8477 10	Encapsulation equipment for assembly of semiconductors	For Attachment B
ex	8477 90	Parts of encapsulation equipment	For Attachment B
ex	8479 50	Automated machines for transport, handling and storage of semiconductor wafers, wafer cassettes, wafer boxes and other material for semiconductor devices	For Attachment B
ex	8479 89	Apparatus for growing or pulling monocrystal semiconductor boules	
ex	8479 89	Apparatus for physical deposition by sputtering on semiconductor wafers	For Attachment B
ex	8479 89	Apparatus for wet etching, developing, stripping or cleaning semiconductor wafers and flat panel displays	For Attachment B
ex	8479 89	Die attach apparatus, tape automated bonders, and wire bonders for assembly of semiconductors	For Attachment B
ex	8479 89	Encapsulation equipment for assembly of semiconductors	For Attachment B
ex	8479 89	Epitaxial deposition machines for semiconductor wafers	
ex	8479 89	Machines for bending, folding and straightening semiconductor leads	For Attachment B
ex	8479 89	Physical deposition apparatus for for semiconductor production	For Attachment B
ex	8479 89	Spinners for coating photographic emulsions on semiconductor wafers	For Attachment B
ex	8479 90	Part of apparatus for physical deposition by sputtering on semiconductor wafers	For Attachment B
ex	8479 90	Parts for die attach apparatus, tape automated bonders, and wire bonders for assembly of semiconductors	For Attachment B
ex	8479 90	Parts for spinners for coating photographic emulsions on semiconductor wafers	For Attachment B
ex	8479 90	Parts of apparatus for growing or pulling monocrystal semiconductor boules	
ex	8479 90	Parts of apparatus for wet etching, developing, stripping or cleaning semiconductor wafers and flat panel displays	For Attachment B
ex	8479 90	Parts of automated machines for transport, handling and storage of semiconductor wafers, wafer cassettes, wafer boxes and other material for semiconductor devices	For Attachment B

ex	8479 90	Parts of encapsulation equipment for assembly of semiconductors	For Attachment B
ex	8479 90	Parts of epitaxial deposition machines for semiconductor wafers	
ex	8479 90	Parts of machines for bending, folding and straightening semiconductor leads	For Attachment B
ex	8479 90	Parts of physical deposition apparatus for for semiconductor production	For Attachment B
ex	8480 71	Injection and compression moulds for the manufacture of semiconductor devices	
ex	8514 10	Resistance heated furnaces and ovens for the manufacture of semiconductor devices on semiconductor wafers	
ex	8514 20	Inductance or dielectric furnaces and ovens for the manufacture of semiconductor devices on semiconductors wafers	
ex	8514 30	Apparatus for rapid heating of semiconductor wafers	For Attachment B
ex	8514 30	Parts of resistance heated furnaces and ovens for the manufacture of semiconductor devices on semiconductor wafers	
ex	8514 90	Parts of apparatus for rapid heating of wafers	For Attachment B
ex	8514 90	Parts of furnaces and ovens of Headings No 8514 10 to No 8514 30	
ex	8536 90	Wafer probers	For Attachment B
	8543 11	Ion implanters for doping semiconductor materials	
ex	8543 30	Apparatus for wet etching, developing, stripping or cleaning semiconductor wafers and flat panel displays	For Attachment B
ex	8543 90	Parts of apparatus for wet etching, developing, stripping or cleaning semiconductor wafers and flat panel displays	For Attachment B
ex	8543 90	Parts of ion implanters for doping semiconductor materials	
	9010 41 to 9010 49	Apparatus for projection, drawing or plating circuit patterns on sensitized semiconductor materials and flat panel displays	
ex	9010 90	Parts and accessories of the apparatus of Headings No 9010 41 to 9010 49	
ex	9011 10	Optical stereoscopic microscopes fitted with equipment specifically designed for the handling and transport of semiconductor wafers or reticles	For Attachment B
ex	9011 20	Photomicrographic microscopes fitted with equipment specifically designed for the handling and transport of semiconductor wafers or reticles	For Attachment B
ex	9011 90	Parts and accessories of optical stereoscopic microscopes fitted with equipment specifically designed for the handling and transport of semiconductor wafers or reticles	For Attachment B
ex	9011 90	Parts and accessories of photomicrographic microscopes fitted with equipment specifically designed for the handling and transport of semiconductor wafers or reticles	For Attachment B
ex	9012 10	Electron beam microscopes fitted with equipment specifically designed for the handling and transport of semiconductor wafers or reticles	For Attachment B
ex	9012 90	Parts and accessories of electron beam microscopes fitted with equipment specifically designed for the handling and transport of semiconductor wafers or reticles	For Attachment B
ex	9017 20	Pattern generating apparatus of a kind used for producing masks or reticles from photoresist coated substrates	For Attachment B
ex	9017 90	Parts and accessories for pattern generating apparatus of a kind used for producing masks or reticles from photoresist coated substrates	For Attachment B
ex	9017 90	Parts of such pattern generating apparatus	For Attachment B
	9030 82	Instruments and apparatus for measuring or checking semiconductor wafers or devices	
ex	9030 90	Parts and accessories of instruments and apparatus for measuring or checking semiconductor wafers or devices	
ex	9030 90	Parts of instruments and appliances for measuring or checking semiconductor wafers or devices	
	9031 41	Optical instruments and appliances for inspecting semiconductor wafers or devices or for inspecting masks, photomasks or reticles used in manufacturing semiconductor devices	
ex	9031 49	Optical instruments and appliances for measuring surface particulate contamination on semiconductor wafers	
ex	9031 90	Parts and accessories of optical instruments and appliances for inspecting semiconductor wafers or devices or for inspecting masks, photomasks or reticles used in manufacturing semiconductor devices	

ex 9031 90	Parts and accessories of optical instruments and appliances for measuring surface particulate contamination on semiconductor wafers
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## Attachment B [Back to top](#)

Positive list of specific products to be covered by this agreement wherever they are classified in the HS. Where parts are specified, they are to be covered in accordance with HS Notes 2(b) to Section XVI and Chapter 90, respectively.

Computers: automatic data processing machines capable of 1) storing the processing program or programs and at least the data immediately necessary for the execution of the program; 2) being freely programmed in accordance with the requirements of the user; 3) performing arithmetical computations specified by the user; and 4) executing, without human intervention, a processing program which requires them to modify their execution, by logical decision during the processing run.

The agreement covers such automatic data processing machines whether or not they are able to receive and process with the assistance of central processing unit telephony signals, television signals, or other analogue or digitally processed audio or video signals. Machines performing a specific function other than data processing, or incorporating or working in conjunction with an automatic data processing machine, and not otherwise specified under Attachment A or B, are not covered by this agreement.

Electric amplifiers when used as repeaters in line telephony products falling within this agreement, and parts thereof

Flat panel displays (including LCD, Electro Luminescence, Plasma and other technologies) for products falling within this agreement, and parts thereof.

Network equipment: Local Area Network (LAN) and Wide Area Network (WAN) apparatus, including those products dedicated for use solely or principally to permit the interconnection of automatic data processing machines and units thereof for a network that is used primarily for the sharing of resources such as central processor units, data storage devices and input or output units including adapters, hubs, inline repeaters, converters, concentrators, bridges and routers, and printed circuit assemblies for physical incorporation into automatic data processing machines and units thereof.

Monitors : display units of automatic data processing machines with a cathode ray tube with a dot screen pitch smaller than 0,4 mm not capable of receiving and processing television signals or other analogue or digitally processed audio or video signals without assistance of a central processing unit of a computer as defined in this agreement.

The agreement does not, therefore, cover televisions, including high definition televisions.

Optical disc storage units, for automatic data processing machines (including CD drives and DVDdrives), whether or not having the capability of writing/recording as well as reading, whether or not in their own housings.

Paging alert devices , and parts thereof .

Plotters whether input or output units of HS heading No 8471 or drawing or drafting machines of HS heading No 9017.

Printed Circuit Assemblies for products falling within this agreement, including such assemblies for external connections such as cards that conform to the PCMCIA standard.

Such printed circuit assemblies consist of one or more printed circuits of heading 8534 with one or more active elements assembled thereon, with or without passive elements "Active elements" means diodes, transistors, and similar semiconductor devices, whether or not photosensitive, of heading 8541, and integrated circuits and micro assemblies of heading 8542.

Projection type flat panel display units used with automatic data processing machines which can display digital information generated by the central processing unit.

Proprietary format storage devices including media therefor for automatic data processing machines, with or without removable media and whether magnetic, optical or other technology, including Bernoulli Box, Syquest, or Zipdrive cartridge storage units.

Multimedia upgrade kits for automatic data processing machines, and units thereof, put up for retail sale, consisting of, at least, speakers and/or microphones as well as a printed circuit assembly that enables the ADP machines and units thereof to process audio signals (sound cards).

Set top boxes which have a communication function : a microprocessor based device incorporating a modem for gaining access to the Internet, and having a function of interactive information exchange

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