



## **ASEAN SECTORAL INTEGRATION PROTOCOL FOR ELECTRONICS**

The Governments of Brunei Darussalam, the Kingdom of Cambodia, the Republic of Indonesia, the Lao People's Democratic Republic (hereinafter referred to as "Lao PDR"), Malaysia, the Union of Myanmar, the Republic of the Philippines, the Republic of Singapore, the Kingdom of Thailand and the Socialist Republic of Viet Nam, Member States of the Association of South East Asian Nations (hereinafter collectively referred to as "ASEAN" or "Member States" or singularly as "Member State");

**RECALLING** the Declaration of ASEAN Concord II (Bali Concord II) issued in Bali, Indonesia on 7 October 2003, pursuant to which ASEAN is committed to deepen and broaden its internal economic integration and linkages with the world economy to realise an ASEAN Economic Community;

**DESIRING** that the ASEAN Economic Community will result in ASEAN becoming a single market and production base, turning the diversity that characterises the region into opportunities and business complementation to make ASEAN a more dynamic and stronger segment of the global supply chain;

**NOTING** that as a first step towards the realisation of the ASEAN Economic Community, the Leaders have signed the ASEAN Framework Agreement for the Integration of Priority Sectors on 30<sup>th</sup> November 2004 in Vientiane, Lao PDR (hereinafter referred to as the "Framework Agreement");

**HAVING** carried out an initial round of negotiations and concluded the roadmap for the full integration of the electronics sector in ASEAN,

**HAVE AGREED AS FOLLOWS:**

### **ARTICLE 1 OBJECTIVE**

The objective of this Protocol is to spell out measures as in the Roadmap referred to in Article 2 to be taken by Member States on a priority basis so as to enable the progressive, expeditious and systematic integration of the electronics sector.

## **ARTICLE 2 MEASURES**

1. The integration measures to be pursued are grouped into two broad categories, taking into account existing agreements or earlier relevant committed measures, namely:
  - (a) Common measures which cut across all priority sectors; and
  - (b) Specific measures that are of direct relevance to the electronics sector.
2. All categories of measures shall be pursued in parallel.
3. SEOM may conduct additional negotiations, as and when necessary, to consider new integration measures for the sector.

## **ARTICLE 3 EMERGENCY MEASURES**

1. Article 6 of the Common Effective Preferential Tariff (CEPT) Agreement on Safeguard Measures shall be applied to this Protocol.
2. Where emergency measures are taken pursuant to this Article, immediate notice of such action shall be given to the Ministers responsible for ASEAN economic integration referred to in Article 19 of the Framework Agreement, and such action may be the subject of consultations pursuant to Article 22 of the Framework Agreement.

## **ARTICLE 4 APPENDICES**

1. The Roadmap for Integration of Electronics Sector shall be Appendix I to this Protocol and shall form an integral part of it. The negative list in relation to the electronics sector shall be Appendix II to this Protocol.
2. Additional measures other than those identified in the Appendix I may be introduced, as and when deemed necessary through an amendment pursuant to paragraph 2 of Article 5 of this Protocol.

**ARTICLE 5**  
**FINAL PROVISIONS**

1. Member States shall undertake the appropriate measures to fulfill the agreed obligations arising from this Protocol.
2. The provisions of this Protocol may be modified through amendments mutually agreed upon in writing by all Member States.
3. This Protocol shall enter into force on 31 August 2005. Notwithstanding the specified date of entry into force, Member States undertake to carry out the obligations which arise prior to the date of entry into force of this Protocol in accordance with the timelines indicated in the Framework Agreement for the Integration of Priority Sectors and the Roadmap for Integration of Electronics Sector attached to this Protocol.
4. This Protocol shall be deposited with the Secretary-General of ASEAN, who shall furnish a certified copy to each Member State.

**IN WITNESS WHEREOF**, the undersigned, being duly authorised thereto by their respective Governments, have signed the ASEAN Sectoral Integration Protocol for Electronics.

**DONE** at Vientiane, Lao PDR on 29 November 2004, in a single copy in the English language.

## APPENDIX I ROADMAP FOR INTEGRATION OF ELECTRONICS SECTOR

### I. OBJECTIVES

The objectives of integrating the electronics sector are:

- Develop, strengthen and enhance the competitiveness of the ASEAN Electronics sector and promote ASEAN as an integrated platform in which to do business in electronics;
- Strengthen regional integration efforts through liberalization, facilitation and promotion measures to ensure full integration of the Electronics sector by 2010.
- Promote private sector participation.

### II. MEASURES

This roadmap includes specific measures that are of direct relevance to the Electronics sector, as well as common measures that cut across all priority integration sectors. The integration approaches are premised on:

- Combining the economic strengths of ASEAN member countries for regional advantage;
- Facilitate and promote intra-ASEAN investments;
- Improve the condition to attract and retain manufacturing and other economic activities within the region;
- Promote outsourcing program within ASEAN.

### III. COVERAGE

The scope of products include electronic data processing (EDP) equipment, electrical and electronic home appliances, medical and industrial equipment, telecommunication equipment, communications and radar, automotive electronics, instrumentation and controls, mechanical parts of electronic and electrical products, semiconductor devices (including inputs for the manufacture of semiconductor devices), and other machineries and equipment for the manufacture of semiconductors and printed circuit boards (PCBs).

Details of product coverage appear as **Attachment I** to this Roadmap.

NO.	MEASURES	IMPLEMENTING BODY	TIMELINE
<b>COMMON ISSUES</b>			
<b>I</b>	<b>Tariff Elimination</b>		
1	Eliminate CEPT-AFTA tariffs on all identified products	Coordinating Committee on the Implementation of the CEPT Scheme for AFTA (CCCA)	ASEAN 6: 2007 CLMV: 2012
<b>II</b>	<b>Non-Tariff Measures (NTMs)</b>		
2	Establish the Database of ASEAN NTMs to ensure transparency <sup>1</sup>	CCCA	30 June 2004
3	Establish clear criteria to identify measures that are classified as barriers to trade		30 June 2005
4	Establish a clear and definitive work programme for the removal of the barriers.		31 December 2005
5	Adopt the WTO Agreement on Import Licensing Procedures and develop implementation guidelines appropriate for ASEAN.		31 December 2004
<b>III</b>	<b>Rules of Origin</b>		
6	Improve the CEPT Rules of Origin by: <ul style="list-style-type: none"> <li>- making it more transparent, predictable and standardised taking into account the best practices of other Regional Trade Agreements including the rules of origin of the WTO; and</li> <li>- adopting substantial transformation as alternative criteria for conferring origin status.</li> </ul>	Task Force on CEPT Rules of Origin (ROO-TF)	31 December 2004
<b>IV</b>	<b>Customs Procedures</b>		
7	Extend the application of the ASEAN Harmonised Tariff Nomenclature (AHTN) for extra-ASEAN trade.	Expert Committee on Customs Matters (ECCM)	on-going
8	Develop a simplified, improved and harmonised customs declaration form.		31 December 2005

<sup>1</sup> The database on ASEAN NTMs has been completed and posted in the ASEAN Website.

NO.	MEASURES	IMPLEMENTING BODY	TIMELINE
9	Ensure full implementation of the Green Lane System for CEPT Products, or similar systems, at entry points of all Member States.		31 December 2004
10	Develop implementation guidelines, as appropriate, for Member States which are not members of the WTO to fulfill the obligations of the WTO Agreement on Customs Valuation		31 December 2004
11	Adopt service commitment (client charter) by ASEAN customs authorities.		31 December 2004
12	Develop the Single Window approach, including the electronic processing of trade documents at national and regional levels	Inter-Agency Task Force on Single Window	31 December 2005
<b>V</b>	<b>Standards and Conformance</b>		
13	Accelerate the implementation/development of sectoral Mutual Recognition Arrangements (MRAs), as appropriate	ASEAN Consultative Committee on Standards and Quality (ACCSQ)	beginning 1 January 2005
14	Encourage domestic regulators to recognise test reports issued by testing laboratories which are already accredited by National Accreditation Bodies in ASEAN that are signatories to ILAC and APLAC MRA		on-going
15	Set clear targets and schedules for harmonisation of standards, wherever required; where international standards are not available, and when requested by industry, align national standards among Member States.		31 December 2005
16	Harmonise and/or develop, wherever appropriate, technical regulations for national application.		31 December 2010
17	Ensure compliance with the requirements, rights and obligations of WTO Agreements on Technical Barriers to Trade		on-going

NO.	MEASURES	IMPLEMENTING BODY	TIMELINE
18	Explore development of ASEAN policy on standards and conformance to further facilitate the realisation of the ASEAN Economic Community.		beginning 2005
VI	<b>Logistics Services</b>		
19	<p>Expedite the development of integrated transport logistics services within ASEAN through:</p> <ul style="list-style-type: none"> <li>- Promotion of efficient door-to-door cargo transport and cross-border transport facilitation through the expeditious implementation of the ASEAN Framework Agreement on the Facilitation of Goods in Transit, and the ASEAN Framework Agreement on Multimodal Transport;</li> <li>- Improvement of land transport network infrastructures and services to achieve better inter-connectivity, inter-operability and inter-modality with the national, regional and international maritime and air transport gateways;</li> <li>- Strengthening intra-ASEAN maritime and shipping transport services; and</li> <li>- Establishment of enabling and conducive policy environment for increased private sector involvement and/or public-private partnerships in the development of transport infrastructure and the provision and operation of transport logistics facilities and services.</li> </ul>	Senior Transport Officials Meeting (STOM)	beginning 2005
VII	<b>Outsourcing and Industrial Complementation</b>		
20	Identify and develop specialisation of production processes, research and development (R&D), and testing facilities based on comparative advantages of individual Member States	Working Group on Industrial Cooperation (WGIC), with inputs from the private sector	on-going

NO.	MEASURES	IMPLEMENTING BODY	TIMELINE
21	Develop guidelines to promote outsourcing arrangements among Member States, as applicable.		
<b>VIII ASEAN Integration System of Preferences</b>			
22	Endeavour to expand the coverage of the ASEAN Integration System of Preferences (AISP) Scheme by including products in the priority integration sectors	CCCA	on-going
<b>IX Investments</b>			
23	Accelerate the opening up of sectors currently in the Sensitive List (SL) by transferring these sectors into the Temporary Exclusion List (TEL) under the Framework Agreement on the ASEAN Investment Area, using the ASEAN-X formula.	Coordinating Committee on Investment (CCI)	beginning 2004
24	Reduce restrictive investment measures in the SL		beginning 2004
25	Complete the progressive elimination of restrictive investment measures in the TEL		on-going <sup>2</sup>
26	Identify programmes and activities to promote investments in ASEAN		31 December 2005
27	Promote manufacturing processes across different ASEAN countries to take advantage of their comparative strengths through: <ul style="list-style-type: none"> <li>- the establishment of a network of ASEAN free trade zones to facilitate outsourcing activities</li> <li>- undertaking more efficient joint ASEAN facilitation and promotion measures to promote FDI</li> </ul>		beginning 2005  on-going
28	Promote and facilitate joint/cross border investments in manufacturing activities through: <ul style="list-style-type: none"> <li>- special incentives, where appropriate, to be given by CLMV for investments from ASEAN</li> </ul>		on-going

<sup>2</sup> Timelines as per AIA Agreement (ASEAN-6 = 2010; Viet Nam = 2013; Cambodia, Laos and Myanmar = 2015)



NO.	MEASURES	IMPLEMENTING BODY	TIMELINE
	<ul style="list-style-type: none"> <li>- special measures, where appropriate to be given by ASEAN 6 to promote and facilitate relocation of investment to CLMV countries especially for labour intensive manufacturing activities</li> </ul>		
X	Trade and Investment Promotion		
29	Intensify intra- and extra ASEAN joint promotion efforts regularly	CCI; ASEAN Chambers of Commerce and Industry (ASEAN-CCI); and relevant Industry Clubs/Associations	on-going beginning 2005
30	<p>Organise regular private sector initiatives to undertake:</p> <ul style="list-style-type: none"> <li>- more efficient joint ASEAN facilitation and promotion measures to promote FDI ASEAN selling-buying missions; and</li> <li>- promotional activities to assist CLMV countries</li> </ul>	CCI; ASEAN Business Advisory Council (ASEAN-BAC); and ASEAN-CCI	on-going beginning 2005
31	Undertake more effective joint ASEAN facilitation in promotion measures and develop new sources of inward foreign direct investments, particularly from potential countries such as the People's Republic of China, India and the Republic of Korea		on-going
XI	Intra-ASEAN Trade and Investment Statistics		
32	<p>Establish an effective system to monitor intra-ASEAN trade and investment through:</p> <ul style="list-style-type: none"> <li>- provision of updates to the ASEAN Secretariat of the latest trade (goods and services) and investment statistics</li> <li>- preparation of consolidated industry profile, by the respective associations, which among other matters, cover information such as production capacity and product range</li> </ul>	Working Group on Statistics; Working Group on Foreign Direct Investment Statistics; and CCCA	on-going

NO.	MEASURES	IMPLEMENTING BODY	TIMELINE
XII	Intellectual Property Rights		
33	Expand the scope of ASEAN intellectual property rights cooperation beyond trademarks and patents by including cooperation in copyrights information exchange and enforcement	ASEAN Working Group on Intellectual Property Cooperation (AWGIPC)	31 December 2004
XIII	Movement of Business Persons, Skilled Labour, Talents and Professionals		
34	Develop an ASEAN Agreement to facilitate the movement of business persons, including the adoption of an ASEAN Travel Card, taking into account Member States' domestic laws and regulations.	Directors-General of Immigration Departments and Heads of Consular Affairs Division of the Ministries of Foreign Affairs (DGICM)	31 December 2005
35	Develop an ASEAN Agreement to facilitate the movement of experts, professionals, skilled labor and talents, taking into account Member States' domestic laws and regulations	Coordinating Committee on Services (CCS)	31 December 2005
36	Accelerate completion of MRAs to facilitate free movement of experts, professionals, skilled labor and talents in ASEAN, taking into account Member States' domestic laws and regulations		31 December 2008
XIV	Facilitation of Travel in ASEAN		
37	Harmonise procedures for the issuance of visas to international travelers	DGICM	31 December 2004
38	Provide visa exemption for intra-ASEAN travel by ASEAN nationals		2005
XV	Human Resource Development		
39	Develop and upgrade skills and capacity building through joint trainings and workshops.	Senior Labour Officials Meeting (SLOM)	on-going
SPECIFIC ISSUES			
XVI	Customs Procedures		
40	Institutionalise Rosettanet compatibility in ASEAN for the exchange of trade documents	ECCM	31 December 2007

NO.	MEASURES	IMPLEMENTING BODY	TIMELINE
XVII	Investment		
41	Intensify regional investment promotion activities by focusing on ASEAN's competitive advantage which includes a large manufacturing base and a long established presence of MNCs, vis-a-vis other investment locations.	CCI	31 December 2005
XVIII	Market and Production Base Integration		
42	Further enhance the AICO Scheme	WGIC	immediately
43	Promote intra ASEAN trade and increase outsourcing for electronics through: <ul style="list-style-type: none"> <li>- linking up existing individual country databases and creating a search engine within that website</li> <li>- enhancing the ASEAN Supporting Industries Database (ASID)</li> <li>- holding annual Reverse Trade Fairs</li> </ul>	CCI and ASEAN Electronics Forum (AEF)	31 December 2004
		CCI	31 December 2005
		CCI	31 December 2004
XIX	Standards and Mutual Recognition Arrangements (MRA)		
44	Accelerate the implementation of MRAs for Electrical and Electronic Equipment	ACCSQ	Beginning 31 December 2004
45	Harmonise technical regulations for electronics and electrical sector in ASEAN		2010
46	Ensure transparency or regulatory schemes in ASEAN		on-going
47	Cooperate in capacity-building of ASEAN countries in terms of testing and accreditation		on-going
XX	Capacity Building		
48	Develop and promote ASEAN centre of excellence in the areas of R&D, design and prototyping, outsourcing from within ASEAN	WGIC assisted by AEF	30 June 2005
49	Cooperate in capacity-building of ASEAN countries in terms of testing and accreditation	ACCSQ	on-going

NO.	MEASURES	IMPLEMENTING BODY	TIMELINE
50	Develop skills-training programmes for countries with less-developed electronics industry (vice-versa), i.e. on the job training in the factory	WGIC	31 December 2005

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**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
1	3909.10.10	- - Moulding compounds
2	3909.10.90	- - Other
3	3909.20.10	- - Moulding compound
4	3909.20.90	- - Other
5	3909.30.10	- - Moulding compound
6	3909.30.90	- - Other
7	3909.40.10	- - Moulding compound other than phenol formaldehyde
8	3909.40.90	- - Other
9	3909.50.00	- Polyurethanes
10	7108.13.10	— In rods, bars, profiles, foils and strips
11	7108.13.90	- - - Other
12	7111.00.10	- Silver or gold, clad with platinum
13	7111.00.90	- Other
14	7321.11.10	— Kitchen stove, ranges, ovens, cookers
15	7321.11.90	- - - Other
16	7321.12.00	- - For liquid fuel
17	7321.13.00	- - For solid fuel
18	7321.81.00	- - For gas fuel or for both gas and other fuels
19	7321.82.00	- - For liquid fuel
20	7321.83.00	- - For solid fuel
21	7321.90.00	- Parts
22	8414.30.11	— For air conditioning machines
23	8414.30.19	- - - Other
24	8414.30.91	— For air conditioning machines
25	8414.30.99	- - - Other
26	8414.51.10	— Table fans and box fans
27	8414.51.20	— Wall fans and ceiling fans
28	8414.51.30	— Floor fans
29	8414.51.90	- - - Other
30	8415.10.10	- - Of an output not exceeding 21.10 kW
31	8415.10.20	- - Of an output exceeding 21.10 kW but not exceeding 26.38 kW
32	8415.10.30	- - Of an output exceeding 26.38 kW but not exceeding 52.75 kW
33	8415.10.40	- - Of an output exceeding 52.75 kW
34	8415.20.00	- Of a kind used for persons, in motor vehicles
35	8415.81.11	——Of an output not exceeding 21.10 kW
36	8415.81.12	——Of an output exceeding 21.10 kW but not exceeding 26.38 kW
37	8415.81.13	——Of an output exceeding 26.38 kW but not exceeding 52.75 kW
38	8415.81.14	——Of an output exceeding 52.75 kW
39	8415.81.21	——Of an output not exceeding 21.10 kW
40	8415.81.22	——Of an output exceeding 21.10 kW but not exceeding 26.38 kW
41	8415.81.23	——Of an output exceeding 26.38 kW but not exceeding 52.75 kW
42	8415.81.24	——Of an output exceeding 52.75 kW
43	8415.81.31	——Of an output not exceeding 21.10 kW
44	8415.81.32	——Of an output exceeding 21.10 kW but not exceeding 26.38 kW
45	8415.81.33	——Of an output exceeding 26.38 kW but not exceeding 52.75 kW
46	8415.81.34	——Of an output exceeding 52.75 kW
47	8415.81.91	——Of an output not exceeding 21.10 kW
48	8415.81.92	——Of an output exceeding 21.10 kW but not exceeding 26.38 kW
49	8415.81.93	——Of an output exceeding 26.38 kW but not exceeding 52.75 kW
50	8415.81.94	——Of an output exceeding 52.75 kW

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
51	8415.82.11	— Of an output not exceeding 21.10 kW
52	8415.82.12	— Of an output exceeding 21.10 kW but not exceeding 26.38 kW
53	8415.82.13	— Of an output exceeding 26.38 kW but not exceeding 52.75 kW
54	8415.82.14	— Of an output exceeding 52.75 kW
55	8415.82.21	— Of an output not exceeding 21.10 kW
56	8415.82.22	— Of an output exceeding 21.10 kW but not exceeding 26.38 kW
57	8415.82.23	— Of an output exceeding 26.38 kW but not exceeding 52.75 kW
58	8415.82.24	— Of an output exceeding 52.75 kW
59	8415.82.31	— Of an output not exceeding 21.10 kW
60	8415.82.32	— Of an output exceeding 21.10 kW but not exceeding 26.38 kW
61	8415.82.33	— Of an output exceeding 26.38 kW but not exceeding 52.75 kW
62	8415.82.34	— Of an output exceeding 52.75 kW
63	8415.82.91	— Of an output not exceeding 21.10 kW
64	8415.82.92	— Of an output exceeding 21.10 kW but not exceeding 26.38 kW
65	8415.82.93	— Of an output exceeding 26.38 kW but not exceeding 52.75 kW
66	8415.82.94	— Of an output exceeding 52.75 kW
67	8415.83.11	— Of an output not exceeding 21.10 kW
68	8415.83.12	— Of an output exceeding 21.10 kW but not exceeding 26.38 kW
69	8415.83.13	— Of an output exceeding 26.38 kW but not exceeding 52.75 kW
70	8415.83.14	— Of an output exceeding 52.75 kW
71	8415.83.21	— Of an output not exceeding 21.10 kW
72	8415.83.22	— Of an output exceeding 21.10 kW but not exceeding 26.38 kW
73	8415.83.23	— Of an output exceeding 26.38 kW but not exceeding 52.75 kW
74	8415.83.24	— Of an output exceeding 52.75 kW
75	8415.83.31	— Of an output not exceeding 21.10 kW
76	8415.83.32	— Of an output exceeding 21.10 kW but not exceeding 26.38 kW
77	8415.83.33	— Of an output exceeding 26.38 kW but not exceeding 52.75 kW
78	8415.83.34	— Of an output exceeding 52.75 kW
79	8415.83.91	— Of an output not exceeding 21.10 kW
80	8415.83.92	— Of an output exceeding 21.10 kW but not exceeding 26.38 kW
81	8415.83.93	— Of an output exceeding 26.38 kW but not exceeding 52.75 kW
82	8415.83.94	— Of an output exceeding 52.75 kW
83	8415.90.11	— For use in aircraft or railway rolling stock
84	8415.90.12	— Chassis or cabinets, welded and painted
85	8415.90.19	- - - Other
86	8415.90.21	— For use in aircraft or railway rolling stock
87	8415.90.22	— Chassis or cabinets, welded and painted
88	8415.90.29	- - - Other
89	8415.90.31	— For use in aircraft or railway rolling stock
90	8415.90.32	— Chassis or cabinets, welded and painted
91	8415.90.39	- - - Other
92	8415.90.91	— For use in aircraft or railway rolling stock
93	8415.90.92	— Chassis or cabinets, welded and painted
94	8415.90.99	- - - Other
95	8418.10.10	- - Household type
96	8418.10.90	- - Other
97	8418.21.00	- - Compression-type
98	8418.22.00	- - Absorption-type, electrical
99	8418.29.00	- - Other
100	8418.30.10	- - Not exceeding 200 l capacity

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
101	8418.30.20	-- Exceeding 200 l but not exceeding 800 l capacity
102	8418.40.10	-- Not exceeding 200 l capacity
103	8418.40.20	-- Exceeding 200 l but not exceeding 900 l capacity
104	8418.50.11	— Suitable for medical use
105	8418.50.19	--- Other
106	8418.50.21	— Suitable for medical use
107	8418.50.22	— Refrigerating chamber
108	8418.50.29	--- Other
109	8418.61.10	— Water chillers with a refrigerating capacity exceeding 21.10 kW; refrigerating equipment with a refrigerating capacity of 10 tons or more and cooling to 20oC or more; evaporative condensers, having a heating radiation of 30,000 kg calories per hour or more for refrigerating equipment; evaporators of the fin type, having the distance between the fins of 4 mm or more; evaporator of the plate freezer type or the contact freezer type
110	8418.61.90	--- Other
111	8418.69.10	— Beverage coolers
112	8418.69.20	— Water chillers having refrigerating capacities of 100 tons and above or exceeding 21.10 kW
113	8418.69.30	— Other water coolers
114	8418.69.40	— Heat pumps of a kind normally not for domestic use
115	8418.69.50	--- Scale ice-maker units
116	8418.69.90	--- Other
117	8418.91.10	--- For the goods of subheading 8418.10.00, 8418.21.00, 8418.22.00, 8418.29.00, 8418.30.00 or 8418.40.00
118	8418.91.90	--- Other
119	8418.99.10	— Evaporators and condensers
120	8418.99.20	— Cabinets and doors, welded or painted
121	8418.99.30	— Parts of water chillers with a refrigerating capacity exceeding 21.10 kW; parts of evaporators of the fin type having the distance between the fins of 4 mm or more
122	8418.99.40	— Aluminium rollbonds for subheading 8418.10.10, 8418.21, 8418.22 and 8418.29
123	8418.99.90	--- Other
124	8419.39.11	—Machinery for the treatment of materials by a process involving heating, for the manufacture of Printed Circuit Board (PCB) / Printed Wiring Board (PWB) or Printed Circuit Assembly (PCA)
125	8419.81.11	—Cooking ranges
126	8419.81.19	—Other
127	8419.89.11	—Evaporators for air-conditioning machines for motor vehicles
128	8419.89.12	—Chemical vapour deposition apparatus for semiconductor production
129	8419.89.13	—Machinery for the treatment of material by a process involving heating, for the manufacture of PCB/PWBs or PCAs
130	8419.89.14	—Chemical vapour deposition apparatus for flat panel display production
131	8419.89.19	—Other
132	8419.89.20	— Not electrically operated
133	8419.90.11	— Parts of chemical vapour deposition apparatus for semiconductor production

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
134	8419.90.12	— Parts of machinery for the treatment of materials by a process involving heating, for the manufacture of PCB/PWBs or PCAs
135	8419.90.13	— Parts of chemical vapour deposition apparatus for flat panel display production
136	8420.99.20	— Ironing machines or wringers suitable for domestic use
137	8420.99.90	- - - Other
138	8422.11.10	— Electrically operated
139	8424.89.30	— Deflash machines for cleaning and removing contaminants from the metal leads of semiconductor packages prior to the electroplating process; spraying appliances for etching, stripping or cleaning semiconductor wafers
140	8424.89.40	— Wet processing equipment, by projecting, dispersing or spraying, of chemical or electrochemical solutions on PCB/PWB substrates; apparatus for the spot application of liquids, soldering pastes, solder ball, adhesives or sealant to PCB/PWBs or their components; apparatus for the application of dry film or liquid photo resist, photo sensitive layers, soldering pastes, solder or adhesive materials on PCB/PWB substrates or their components
141	8450.11.10	— Each of a dry linen capacity not exceeding 6 kg
142	8450.11.20	— Each of a dry linen capacity exceeding 6 kg
143	8450.12.10	— Each of a dry linen capacity not exceeding 6 kg
144	8450.12.20	— Each of a dry linen capacity exceeding 6 kg
145	8450.19.10	— Each of a dry linen capacity not exceeding 6 kg
146	8450.19.20	— Each of a dry linen capacity exceeding 6 kg
147	8450.20.00	- Machines, each of a dry linen capacity exceeding 10 kg
148	8450.90.10	- - Of the goods of subheading 8450.20
149	8450.90.20	- - Of the goods of subheading 8450.11, 8450.12 or 8450.19
150	8462.21.10	— Machines for bending, folding and straightening semiconductor leads
151	8462.29.11	— Machines for bending, folding and straightening semiconductor leads
152	8464.10.11	— For sawing monocrystal semiconductor boules into slices, or wafers into chips
153	8464.20.11	— Grinding, polishing and lapping machines for processing of semiconductor wafers
154	8464.90.11	— Dicing machines for scribing or scoring semiconductor wafers
155	8464.90.12	— Apparatus for wet etching, developing, stripping or cleaning semiconductor wafers and flat panel display Other, for working stone, ceramic, concrete, asbestos-cement or like mineral materials
156	8465.91.10	— For scoring PCB/PWBs or PCB/PWB substrates, electrically operated
157	8465.92.10	— For routing PCB/PWBs or PCB/PWB substrates, accepting router bits with a shank diameter not exceeding 3.175 mm, electrically operated; for scoring PCB/PWBs or PCB/PWB substrates, electrically operated
158	8465.95.10	— Drilling machines for the manufacture of PCB/PWBs, with a spindle speed exceeding 50,000 rpm and accepting drill bits of a shank diameter not exceeding 3.175 mm, electrically operated
159	8465.99.50	— Machines for deburring the surfaces of PCB/PWBs during manufacturing; for scoring PCB/PWBs or PCB/PWB substrates, electrically operated; laminating presses for the manufacture of PCB/PWBs, electrically operated



**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
160	8466.10.10	- - For the machine-tools of subheadings 8456.99.20, 8456.99.30, 8456.99.40, 8460.31.10, 8465.91.10, 8465.92.10, 8465.95.10 and 8465.99.50
161	8466.10.20	- - Parts for machines for sawing monocrystal semiconductor boules into slices, or wafers into chips, parts of dicing machines for scribing or scoring semiconductor wafers, parts for lasercutters for cutting tracks in semiconductor production by laser beam
162	8466.10.90	- - Other
163	8466.20.10	- - For the machine-tools of subheadings 8456.99.20, 8456.99.30, 8456.99.40, 8460.31.10, 8465.91.10, 8465.92.10, 8465.95.10 and 8465.99.50
164	8466.20.20	- - Parts for machines for sawing monocrystal semiconductor boules into slices, or wafers into chips; parts of dicing machines for scribing or scoring semiconductor wafers; parts of lasercutters for cutting contacting tracks in semiconductor production by laser beam; parts of apparatus for stripping or cleaning semiconductor wafers
165	8466.20.30	- - Parts of apparatus for wet etching, developing, stripping or cleaning semiconductor wafers and flat panel displays
166	8466.30.10	- - For the machine-tools of subheadings 8456.99.20, 8456.99.30, 8456.99.40, 8460.31.10, 8465.91.10, 8465.92.10, 8465.95.10 and 8465.99.50
167	8466.30.20	- - Parts for machines for sawing monocrystal semiconductor boules into slices, or wafers into chips; parts of dicing machines for scribing or scoring semiconductor wafers; parts of lasercutters for cutting contacting tracks in semiconductor production by laser beam; parts of apparatus for stripping or cleaning semiconductor wafers
168	8466.30.30	- - Parts of apparatus for wet etching, developing, stripping or cleaning semiconductor wafers and flat panel displays
169	8466.91.10	— Parts of machines for sawing monocrystal semiconductor boules into slices, or wafers into chips; parts of grinding, polishing and lapping machines for processing of semiconductor wafers; parts of dicing machines for scribing or scoring semiconductor wafers; parts of apparatus for wet etching, developing, stripping or cleaning semiconductor wafers and flat panel displays
170	8466.94.20	— Parts and.....
171	8469.11.00	- - Word-processing machines
172	8469.12.00	- - Automatic typewriters
173	8469.20.00	- Other typewriters, electric
174	8469.30.00	- Other typewriters, non-electric
175	8470.10.00	- Electronic calculators capable of operation without an external source of electric power and pocket-size data recording, reproducing and displaying machines with calculating functions
176	8470.21.00	- - Incorporating a printing device
177	8470.29.00	- - Other
178	8470.30.00	- Other calculating machines
179	8470.40.00	- Accounting machines
180	8470.50.00	- Cash registers
181	8470.90.10	- - Postage-franking machines
182	8470.90.90	- - Other
183	8471.10.00	- Analogue or hybrid automatic data processing machines

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
184	8471.30.10	- - Palmtop
185	8471.30.20	- - Laptop
186	8471.30.90	- - Other
187	8471.41.10	— Personal computers excluding portable computers
188	8471.41.90	- - - Other
189	8471.49.10	— Personal computers excluding portable computers
190	8471.49.90	- - - Other
191 J	8471.50.10	- - Processing units for personal and portable computers
192	8471.50.90	- - Other
193	8471.60.11	- - Dot matrix printers
194	8471.60.12	- - Ink-jet printers
195	8471.60.13	- - Laser printers
196	8471.60.19	- - Other printers
197	8471.60.21	- - Computer terminals or monitors, colour, excluding closed circuit television monitors
198	8471.60.29	- - Other computer terminals or monitors, excluding closed circuit television monitors
199	8471.60.30	- - Computer keyboards
200	8471.60.40	- - X-Y coordinate input devices, including mouse, light pens, joysticks, track balls, and touch sensitive screens
201	8471.60.50	- - Plotters whether input or output units of HS heading 84.71 or drawing or drafting machines of HS heading 90.17
202	8471.60.60	- - Projection type flat panel display units used with automatic data processing machines which can display digital information generated by the central processing unit
203	8471.60.90	- - Other
204	8471.70.10	- - Floppy disk drives
205	8471.70.20	- - Hard disk drives
206	8471.70.30	- - Tape drives
207	8471.70.40	- - Optical disk drives, including CD-ROM drives, DVD drives and CD-R drives
208	8471.70.50	- - 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
209	8471.70.91	— Backup management systems
210	8471.70.99	- - - Other
211	8471.80.10	- - Control units
212	8471.80.20	- - Adaptor units
213	8471.80.30	- - Gateways including VoIP
214	8471.80.40	- - Data routers
215	8471.80.50	- - Wireless bridges and routers
216	8471.80.60	- - Firewalls
217	8471.80.70	- - Sound card and video card
218	8471.80.90	- - Other
219	8471.90.10	- - Bar code readers
220	8471.90.20	- - Optical character readers, document or image scanners
221	8471.90.30	- - Card reader, card punch; tabulators; statistical machines of a kind operated in conjunction with punched card; computer peripheral units
222	8471.90.40	- - Other auxiliary machines for use with statistic machine

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
223	8471.90.90	-- Other
224	8472.10.10	-- Electrically operated
225	8472.10.20	-- Not electrically operated
226	8472.20.10	-- Electrically operated
227	8472.20.20	-- Not electrically operated
228	8472.30.10	-- Electrically operated
229	8472.30.20	-- Not electrically operated
230	8472.90.10	-- Automatic teller machines
231	8472.90.20	-- Electronic fringerprint identification system
232	8472.90.30	-- Other, electrically operated
233	8472.90.90	-- Other, not electrically operated
234	8473.10.10	-- Printed circuit assemblies for word-processing
235	8473.10.90	-- Other
236	8473.21.00	-- Of the electronic calculating machines of subheading 8470.10.00, 8470.21.00 or 8470.29.00
237	8473.29.00	-- Other
238	8473.30.10	-- Assembled printed circuit boards
239	8473.30.20	-- Black ink-filled cartridge for computer printers
240	8473.30.90	-- Other
241	8473.40.11	— Parts of automatic teller machines
242	8473.40.19	--- Other
243	8473.40.20	-- For non-electrically operated machines
244	8473.50.11	— Suitable for use of machines of heading 8471
245	8473.50.19	--- Other
246	8473.50.21	— Suitable for use of machines of heading 8471
247	8473.50.29	--- Other
248	8474.31.20	— Not electrically operated
249	8474.32.21	—Machines for mixing mineral substances with bitumen, having capacity not exceeding 80 tons/hour
250	8474.32.29	—Other
251	8475.21.00	-- Machines for making optical fibres and preforms thereof
252	8475.29.00	-- Other
253	8475.90.10	-- Of electrically operated machines
254	8475.90.20	-- Of non-electrically operated machines
255	8477.10.32	--- Encapsulation equipment for assembly of semiconductors
256	8477.40.21	— Encapsulation equipment for assembly of semiconductors
257	8477.59.21	—Machinery for assembling central processing unit (CPU) daughter boards in plastic case housings
258	8477.59.22	—Encapsulation equipment for assembly of semiconductors
259	8477.80.31	— Lamination presses for the manufacture of PCB/PWBs
260	8477.90.31	— Parts of encapsulation equipment for assembly of semiconductors
261	8477.90.32	— Parts of lamination presses for the manufacture of PCB/PWBs; parts for machinery for assembling central processing unit (CPU) daughter boards in plastic case housings
262	8479.50.10	-- Automated machines for transport, handling and storage of semiconductor wafers, wafer cassettes, wafer boxes and other materials for semiconductor devices
263	8479.50.90	-- Other
264	8479.82.11	—Apparatus for the regeneration of chemical solutions used in the manufacture of PCB/PWBs

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
265	8479.82.21	— Apparatus for the regeneration of chemical solutions used in the manufacture of PCB/PWBs
266	8479.89.10	— Apparatus for growing or pulling monocrystal semiconductor boules; apparatus for physical deposition by sputtering on semiconductor wafers; apparatus for wet etching, developing, stripping or cleaning semiconductor wafers and flat panel displays; die attach apparatus, tape automated bonders, wire bonders and encapsulation equipment for assembly of semiconductors; epitaxial deposition machines for semiconductor wafers; machines for bending, folding and straightening semiconductor leads; physical deposition apparatus for semiconductor production; spinners for coating photographic emulsions on semiconductor wafers; automated machines for transport, handling and storage of semiconductor wafers, wafer cassettes, wafer boxes and other materials for semiconductor devices; apparatus for stripping or cleaning semiconductor wafers
267	8479.89.20	— Chemical vapour deposition apparatus for flat panel display production; automated machines for the transport, handling and storage of PCB/PWBs or PCAs; lamination presses for the manufacture of PCB/PWBs; machinery for assembling central processing unit (CPU) daughter boards in plastic case housings; apparatus for the regeneration of chemical solutions used in the manufacture of PCB/PWBs; spinners for coating photosensitive emulsions on flat panel display substrates; equipment for mechanically cleaning the surfaces of PCB/PWBs during manufacturing; automated machines for the placement or the removal of components or contact elements on semiconductor materials, PCB/PWBs or other substrates; registration equipment for the alignment of PCB/PWBs or PCAs in the manufacturing process; apparatus for spot application of liquids, soldering pastes, solder ball, adhesives or sealants to PCB/PWBs or their components; apparatus for the application of dry film or liquid photo resist, photosensitiv
268	8479.90.10	- - Part of the goods of subheading 8479.89.10
269	8479.90.20	- - Part of the goods of subheading 8479.89.20
270	8480.71.20	— Moulds for manufacture of semiconductor devices
271	8501.10.11	— Stepper motors
272	8501.10.12	— Spindle motors
273	8501.10.19	- - - Other
274	8501.10.91	— Stepper motors
275	8501.10.92	— Spindle motors
276	8501.10.99	- - - Other
277	8504.10.00	- Ballasts for discharge lamps or tubes
278	8504.21.10	— Step-voltage regulators; instrument transformers with handling capacity not exceeding 5kVA (Philippines provided SEN on 'Step-voltage regulators')
279	8504.21.91	— Having a power handling capacity exceeding 10 kVA
280	8504.21.99	— Other
281	8504.22.11	— Of a high side voltage of 66,000 volts or more
282	8504.22.19	— Other
283	8504.22.90	- - - - Other
284	8504.23.10	— Having a power handling capacity not exceeding 15,000kVA
285	8504.23.20	— Having a power handling capacity exceeding 15,000kVA

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
286	8504.31.10	— Instrument potential transformers
287	8504.31.20	- - - Instrument current transformers
288	8504.31.30	— Flyback transformers
289	8504.31.40	— Intermediate frequency transformers
290	8504.31.50	— Step up/down transformers, slide regulators, stabilisers
291	8504.31.90	- - - Other
292	8504.32.10	— Instruments transformers, (potential and current) of a power handling capacity not exceeding 5kVA
293	8504.32.20	— Used with toys, scale models or similar recreational models
294	8504.32.30	— Other, high frequency
295	8504.32.91	——Of a power handling capacity not exceeding 10 kVA
296	8504.32.99	——Of a power handling capacity exceeding 10 kVA
297	8504.33.10	— Of high side voltage of 66,000 volts or more
298	8504.33.90	- - - Other
299	8504.34.11	——Having a power handling capacity exceeding 10,000 kVA or of high side voltage of 66,000 volts or more
300	8504.34.19	——Other
301	8504.34.20	— Having a power handling capacity exceeding 15,000kVA
302	8504.40.11	- - - UPS
303	8504.40.19	- - - Other
304	8504.40.20	- - Battery chargers having a rating exceeding 100 kVA
305	8504.40.30	- - Other rectifiers
306	8504.40.40	- - Other inverters
307	8504.40.90	- - Other
308	8504.50.11	— Inductors for power supplies for automatic data processing machines and units thereof, and telecommunication apparatus
309	8504.50.12	— Other chip type fixed inductors
310	8504.50.19	- - - Other
311	8504.50.21	— Inductors for power supplies for automatic data processing machines and units thereof, and telecommunication apparatus
312	8504.50.22	— Other chip type fixed inductors
313	8504.50.29	- - - Other
314	8504.50.91	— Chip type fixed inductors
315	8504.50.99	- - - Other
316	8504.90.10	- - Of the subheading of 8504.10
317	8504.90.20	- - . . . . .
318	8504.90.30	- - For electrical transformer of capacity not exceeding 10,000 kVA
319	8504.90.40	- - For electrical transformer of capacity exceeding 10,000 kVA
320	8504.90.50	- - For inductors of capacity not exceeding 2,500 kVA
321	8504.90.60	- - For inductors of capacity exceeding 2,500 kVA
322	8504.90.90	- - Other
323	8506.10.10	- - Having external volume not exceeding 300 cm <sup>3</sup>
324	8506.10.90	- - Other
325	8506.30.00	- Mercuric oxide
326	8506.40.00	- Silver oxide
327	8506.50.00	- Lithium
328	8506.60.10	- - Having external volume not exceeding 300 cm <sup>3</sup>
329	8506.60.90	- - Other
330	8506.80.11	— Having external volume not exceeding 300 cm <sup>3</sup>
331	8506.80.19	- - - Other

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
332	8506.80.91	— Having external volume not exceeding 300 cm <sup>3</sup>
333	8506.80.99	- - - Other
334	8506.90.00	- Parts
335	8509.10.00	- Vacuum cleaners, including dry and wet vacuum cleaners
336	8509.20.00	- Floor polishers
337	8509.30.00	- Kitchen waste disposers
338	8509.40.00	- Food grinders or mixers; fruit or vegetable juice extractors
339	8509.80.00	- Other appliances
340	8509.90.10	- - Of the goods of subheading 8509.10.00 or 8509.20.00
341	8509.90.20	- - Of the goods of subheading 8509.30.00, 8509.40.00 or 8509.80.00
342	8510.10.00	- Shavers
343	8510.20.00	- Hair clippers
344	8510.30.00	- Hair-removing appliances
345	8510.90.00	- Parts
346	8514.10.11	— Resistance heated furnaces and ovens for the manufacture of semiconductor devices on semiconductor wafers
347	8514.10.19	- - - Other
348	8514.10.91	— Resistance heated furnaces and ovens for the manufacture of semiconductor devices on semiconductor wafers
349	8514.10.99	- - - Other
350	8514.20.11	— Inductance or dielectric furnaces and ovens for the manufacture of semiconductor devices on semiconductor wafers
351	8514.20.12	- - - Electric furnaces or ovens for the manufacture of PCB/PWBs or PCAs
352	8514.20.19	- - - Other
353	8514.20.91	— Inductance or dielectric furnaces and ovens for the manufacture of semiconductor devices on semiconductor wafers
354	8514.20.92	— Electric furnaces or ovens for the manufacture of PCB/PWBs or PCAs
355	8514.20.99	- - - Other
356	8514.30.11	- - - Apparatus for rapid heating of semiconductor wafers
357	8514.30.12	— Electric furnaces or ovens for the manufacture of PCB/PWBs or PCAs
358	8514.30.19	- - - Other
359	8514.30.90	- - Other
360	8514.40.00	- Other equipment for the heat treatment of materials by induction or dielectric loss
361	8514.90.10	- - Parts of resistance heated furnaces and ovens for the manufacture of semiconductor devices on semiconductor wafers; inductance or dielectric furnaces and ovens for the manufacture of semiconductor devices on semiconductor wafers; apparatus for rapid heating of semiconductor wafers
362	8514.90.20	- - Parts of industrial or laboratory electric furnaces or ovens for the manufacture of PCB/PWBs or PCAs
363	8514.90.90	- - Other
364	8515.11.10	— Electrical
365	8515.11.90	— Other, including laser type
366	8515.19.10	— Machines and apparatus for soldering components on PCB/PWBs
367	8515.19.20	— Other, electrical
368	8515.19.90	— Other than electrical (including laser type )

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
369	8515.21.00	- - Fully or partly automotivematic
370	8515.29.10	— Machines
371	8515.29.90	- - - Other
372	8515.31.10	— Machines
373	8515.31.90	- - - Other
374	8515.39.10	— AC arc welders, transformer type
375	8515.39.20	— Machines
376	8515.39.90	- - - Other
377	8515.80.10	- - Electric machines and apparatus for hot spraying of metals or sintered metal carbides
378	8515.80.20	- - Die attach apparatus, tape automated bonders and wire bonders for assembly of semiconductors
379	8515.80.90	- - Other
380	8515.90.10	- - Of AC arc welders, transformer type
381	8515.90.20	- - Parts of machine apparatus for soldering components on PCB/PWBs
382	8515.90.30	- - Parts for die attach apparatus, tape automated bonders and wire bonders for assembly of semiconductors
383	8515.90.90	- - Other
384	8516.10.10	- - Electric instantaneous water heaters
385	8516.10.20	- - Electric storage water heaters
386	8516.10.30	- - Immersion heaters
387	8516.21.00	- - Storage heating radiators
388	8516.29.00	- - Other
389	8516.31.00	- - Hair dryers
390	8516.32.00	- - Other hair-dressing apparatus
391	8516.33.00	- - Hand-drying apparatus
392	8516.40.10	- - Of a kind designed to use steam from the industrial boiler
393	8516.40.90	- - Other
394	8516.50.00	- Microwave ovens
395	8516.60.10	- - Rice cookers
396	8516.60.20	- - Ovens
397	8516.60.90	- - Other
398	8516.71.00	- - Coffee or tea makers
399	8516.72.00	- - Toasters
400	8516.79.10	- - - Kettles
401	8516.79.90	- - - Other
402	8516.80.10	- - For type-founding or type-setting machines; for industrial furnaces
403	8516.80.20	- - Sealed hotplates for domestic appliances
404	8516.80.30	- - Other, for domestic appliances
405	8516.80.90	- - Other
406	8516.90.10	- - Of heating resistors for type-founding or type-setting machines
407	8516.90.20	- - Of goods of subheading 8516.33, 8516.50, 8516.60, 8516.71, or 8516.79.10
408	8516.90.90	- - Other
409	8517.11.00	- - Line telephone sets with cordless handsets
410	8517.19.10	— Telephone sets
411	8517.19.20	— Videophones
412	8517.21.00	- - Facsimile machines
413	8517.22.00	- - Teleprinters
414	8517.30.10	- - Telephonic

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
415	8517.30.20	-- Telegraphic
416	8517.50.10	-- Modems including cable modems and modems cards
417	8517.50.20	-- Concentrators or multiplexers
418	8517.50.30	-- Line-man test sets
419	8517.50.40	-- Set top boxes which have a communication function
420	8517.50.50	-- Other apparatus for telephony
421	8517.50.90	-- Other
422	8517.80.10	-- Scramblers, including speech inverters and on-line cypher equipment
423	8517.80.20	-- Data security equipment
424	8517.80.30	-- Encryption devices
425	8517.80.40	-- Public Key Infrastructure (PKI)
426	8517.80.50	-- Digital Subscriber Line (DSL)
427	8517.80.60	-- Virtual Private Network (VPN)
428	8517.80.70	-- Computer Telephony Integration (CTI)
429	8517.80.91	— Use for telephonic
430	8517.80.92	— Use for telegraphic
431	8517.80.99	-- - Other
432	8517.90.10	-- Printed circuit boards, assembled
433	8517.90.20	-- Of telephone set
434	8517.90.90	-- Other
435	8518.10.11	— 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
436	8518.10.19	— Other microphones, whether or not with their stands
437	8518.10.90	-- Other
438	8518.21.00	-- Single loudspeakers, mounted in their enclosures
439	8518.22.00	-- Multiple loudspeakers, mounted in the same enclosure
440	8518.29.10	— Box assembly speakers
441	8518.29.20	— Loudspeakers, without housing, having a frequency range of 300 to Hz 3,4kHz with a diameter of not exceeding 50 mm, for telecommunication use
442	8518.29.90	-- - Other
443	8518.30.10	-- Headphones
444	8518.30.20	-- Earphones
445	8518.30.30	-- Combined microphone / speaker sets
446	8518.30.40	-- Line telephone handsets
447	8518.30.90	-- Other
448	8518.40.10	-- Audio-frequency electric amplifiers, having 6 or more inputs signal lines, with or without elements for capacity amplifier
449	8518.40.20	-- Electric amplifiers when used as repeaters in line telephony products falling within the Information Technology Agreement
450	8518.40.30	-- Audio frequency amplifiers used as repeaters in telephony other than line telephony
451	8518.40.90	-- Other
452	8518.50.10	-- Of an output of 240 W or more
453	8518.50.20	-- Sound amplifier sets combined with loudspeaker line for broadcasting, having voltage of 50 V to 100 V
454	8518.50.90	-- Other
455	8518.90.10	-- Parts including printed circuit assemblies of subheading 8518.10.11, 8518.29.20, 8518.30.40 and 8518.40.20



**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
456	8518.90.20	- - Parts of articles of subheading 8518.40.10, 8518.50.10, 8518.50.20
457	8518.90.90	- - Other
458	8519.10.00	- Coin- or disc-operated record-players
459	8519.21.00	- - Without loudspeaker
460	8519.29.00	- - Other
461	8519.31.00	- - With automatic record changing mechanism
462	8519.39.00	- - Other
463	8519.40.10	- - For special use in cinematographic, television, broadcasting
464	8519.40.90	- - Other
465	8519.92.00	- - Pocket-size cassette-players
466	8519.93.10	— For special use in cinematographic, television, broadcasting
467	8519.93.90	- - - Other
468	8519.99.10	— Cinematographic sound reproducers
469	8519.99.20	— For special use in television, broadcasting
470	8519.99.30	— Compact disc players
471	8519.99.90	- - - Other
472	8520.10.00	- Dictating machines not capable of operating without an external source of power
473	8520.20.00	- Telephone answering machines
474	8520.32.10	- - For special use in cinematographic, television, broadcasting
475	8520.32.90	- - Other
476	8520.33.10	- - For special use in cinematographic, television, broadcasting
477	8520.33.20	— Pocket size cassette recorders, the dimensions of which do not exceed 170mm x 100 mm x 45 mm
478	8520.33.30	— Cassette recorders, with built in amplifiers and one or more built in loudspeakers, operating only with an external source of power
479	8520.33.90	- - - Other
480	8520.39.10	- - For special use in cinematographic, television, broadcasting
481	8520.39.90	- - Other
482	8520.90.10	- - Cinematographic sound recording apparatus
483	8520.90.90	- - Other
484	8521.10.10	- - For special use in cinematographic, television, broadcasting
485	8521.10.90	- - Other
486	8521.90.11	— For special use in cinematographic, television, broadcasting
487	8521.90.19	- - - Other
488	8521.90.91	— For special use in cinematographic, television, broadcasting
489	8521.90.99	- - - Other
490	8522.10.10	- - For special use in cinematographic, television, broadcasting
491	8522.10.90	- - Other
492	8522.90.10	- - Printed circuit boards assemblies for cinematographic sound recorders and reproducers
493	8522.90.20	- - Printed circuit boards assemblies for telephone answering machines
494	8522.90.30	- - Other printed circuit boards assemblies
495	8522.90.40	- - Audio or video tapedecks and compact disc mechanisms
496	8522.90.50	- - Audio or visual reproduction heads, magnetic type; magnetic erasing heads and rods
497	8522.90.91	— Other parts and accessories of cinematographic sound recorders and reproducers
498	8522.90.92	— Other parts of telephone answering machines

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
499	8522.90.93	— Other parts and accessories for goods of subheadings 8519.92, 8519.93, 8519.99 and headings 85.20 (other than for telephone answering machines) or 85.21
500	8522.90.99	- - - Other
501	8523.11.10	— Computer tape
502	8523.11.90	- - - Other
503	8523.12.10	— Videotape
504	8523.12.20	— Computer tape
505	8523.12.30	- - - UMATIC, BETACAM tape
506	8523.12.90	- - - Other
507	8523.13.10	— Videotape
508	8523.13.20	— Computer tape
509	8523.13.30	- - - UMATIC, BETACAM tape
510	8523.13.40	— In pancake form
511	8523.13.90	- - - Other
512	8523.20.10	- - Computer hard disks
513	8523.20.20	- - Video disks
514	8523.20.30	- - Other hard disks
515	8523.20.40	- - Computer diskettes
516	8523.20.90	- - Other
517	8523.30.00	- Cards incorporating a magnetic stripe
518	8523.90.10	- - For video
519	8523.90.20	- - For computer use
520	8523.90.90	- - Other
521	8524.10.10	- - Educational use only
522	8524.10.90	- - Other
523	8524.31.10	— For cinematographic film
524	8524.31.90	- - - Other
525	8524.32.10	— For cinematographic film
526	8524.32.90	- - - Other
527	8524.39.10	— For reproducing representations of instructions, data, sound, and image, recorded in machine readable binary form, and capable of being manipulated or providing interactivity to a user, by means of an automatic data processing machine
528	8524.39.20	- - - For cinematographic film
529	8524.39.90	- - - Other
530	8524.40.00	- - Magnetic tapes for reproducing phenomena other than sound or image
531	8524.51.10	— Videotape
532	8524.51.20	— Computer tape
533	8524.51.30	— For cinematographic film
534	8524.51.90	- - - Other
535	8524.52.10	— Videotape
536	8524.52.20	— Computer tape
537	8524.52.30	— For cinematographic film
538	8524.52.90	- - - Other
539	8524.53.10	— Videotape
540	8524.53.20	— Computer tape
541	8524.53.30	— For cinematographic film
542	8524.53.90	- - - Other
543	8524.60.00	- Cards incorporating a magnetic stripe

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
544	8524.91.10	— For use in computer
545	8524.91.20	- - - Other, for data processing systems
546	8524.91.90	- - - Other
547	8524.99.10	— For video
548	8524.99.20	— For reproducing representations of instructions, data, sound, and image, recorded in machine readable binary form, and capable of being manipulated or providing interactivity to a user, by means of an automatic data processing machine
549	8524.99.30	— For cinematographic film
550	8524.99.90	- - - Other
551	8525.10.10	- - For radio-broadcasting
552	8525.10.21	— Video senders
553	8525.10.22	— Central monitoring system
554	8525.10.23	— Telemetry monitoring system
555	8525.10.29	- - - Other
556	8525.10.30	- - Data compression tools
557	8525.10.40	- - Set top boxes which have a communication function
558	8525.10.50	- - For radio telephony or radio-telegraphy
559	8525.20.10	- - Wireless LAN
560	8525.20.20	- - Internet enabled handphones
561	8525.20.30	- - Internet enabled cellular phones
562	8525.20.40	- - Internet video conferencing equipment
563	8525.20.50	- - Digital radio relay systems
564	8525.20.60	- - Mobile data network
565	8525.20.70	- - Set top boxes which have a communication function
566	8525.20.80	- - Other cellular phones
567	8525.20.91	— Other transmission apparatus for radio-telephony or radio-telegraphy
568	8525.20.92	— Other transmission apparatus for television
569	8525.20.99	- - - Other
570	8525.30.10	- - Cameras, without recording function, working in conjunction with an automatic data processing machine, the dimensions of which do not exceed 130 mm x 70 mm x 45 mm
571	8525.30.90	- - Other
572	8525.40.10	- - Digital still image video cameras
573	8525.40.20	- - Other still image video cameras
574	8525.40.30	- - Digital camera
575	8525.40.40	- - Other video camera recorders
576	8526.10.10	- - Radar apparatus, ground base, of a kind used solely on sea-going vessels
577	8526.10.90	- - Other
578	8526.91.10	— Radio navigational and apparatus, of a kind for used in civil aircraft, or of a kind used solely on sea-going vessels
579	8526.91.90	- - - Other
580	8526.92.00	- - Radio remote control apparatus
581	8527.12.00	- - Pocket-size radio cassette-players
582	8527.13.00	- - Other apparatus combined with sound recording or reproducing apparatus
583	8527.19.10	— For radio-telephony or radio-telegraphy
584	8527.19.20	— Reception apparatus capable of planning managing, and monitoring of electromagnetic spectrum

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
585	8527.19.90	- - - Other
586	8527.21.10	— For radio-telephony or radio-telegraphy
587	8527.21.90	- - - Other
588	8527.29.10	— For radio-telephony or radio-telegraphy
589	8527.29.90	- - - Other
590	8527.31.10	— For radio-telephony or radio-telegraphy
591	8527.31.90	- - - Other
592	8527.32.00	- - Not combined with sound recording or reproducing apparatus but combined with a clock
593	8527.39.10	— For radio-telephony or radio-telegraphy
594	8527.39.90	- - - Other
595	8527.90.10	- - Portable receivers for calling, alerting or paging (including pagers), and paging alert devices
596	8527.90.91	— For radio-telephony or radio-telegraphy
597	8527.90.92	— For distress signals from ships or air craft
598	8527.90.99	- - - Other
599	8528.12.10	— Set top boxes which have a communication function
600	8528.12.20	— Printed circuit assemblies for use with ADP machines
601	8528.12.90	- - - Other
602	8528.13.00	- - Black and white or other monochrome
603	8528.21.10	— FPD type monitors for video and computer data, for overhead projectors
604	8528.21.90	- - - Other
605	8528.22.00	- - Black and white or other monochrome
606	8528.30.10	- - Having capacity for projecting on the screen of 300 inch or more
607	8528.30.20	- - FPD type video and computer data projectors
608	8528.30.90	- - Other
609	8529.10.10	- - Aerials or antennae of a kind used with apparatus for radio-telephony and radio-telegraphy
610	8529.10.20	- - Parabolic aerial reflector dish for direct broadcast multi-media systems and parts thereof
611	8529.10.30	- - Telescopic, rabbit and dipole antennae for television or radio receivers
612	8529.10.40	- - Aerial filters and separators
613	8529.10.51	— For use with transmission apparatus or reception apparatus for radio-telegraphy, radio-telephony, radio-broadcasting or television
614	8529.10.59	- - - Other
615	8529.10.60	- - Wave guide (feed horn)
616	8529.10.91	— For radio-telephony or radio-telegraphy
617	8529.10.92	— Transmission apparatus for radio-broadcasting or television
618	8529.10.99	- - - Other
619	8529.90.11	— For cellular phones
620	8529.90.12	- - - Other
621	8529.90.20	- - For decoders, other than those of 8529.90.10
622	8529.90.31	- - - For the goods of 8527.13, 8527.19, 8527.21, 8527.29, 8527.31, 8527.39 or 8527.90 (for radio-telephony or radio-telegraphy only)
623	8529.90.32	- - - For the goods of subheading 8525.10 or 8525.20 (not for radio-telephony or radio-telegraphy)
624	8529.90.33	- - - For the goods of 8525.10, 8525.20, 8527.13, 8527.19, 8527.21, 8527.29, 8527.31, 8527.39 or 8527.90 (not for radio-telephony or radio-telegraphy)

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
625	8529.90.34	— For the goods of 85.26 or 85.26
626	8529.90.35	- - - For the goods of 85.26 or 85.28
627	8529.90.36	— For the goods of 85.26 or 8525.30
628	8529.90.37	- - - For the goods of 8527.12 or 8527.32
629	8529.90.39	- - - Other
630	8529.90.91	— For television
631	8529.90.92	— For radio-telephony or radio-telegraphy only
632	8529.90.93	— Other, of the goods of heading 85.28
633	8529.90.99	- - - Other
634	8531.20.00	- Indicator panels incorporating liquid crystal devices (LCD) or light emitting diodes (LED)
635	8531.80.20	- - Flat panel displays (including Electro Luminescence, Plasma and other technologies) for products falling within the information Technology Agreement (ITA); paging alert devices
636	8531.90.10	- - Parts (including printed circuit assemblies) of : indicator panels incorporating liquid crystal devices (LCD) or light emitting diodes (LED); other flat panel displays (including electro-luminescence, plasma and other technologies) for products falling within the Information Technology Agreement; paging alert devices
637	8532.10.00	- 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)
638	8532.21.00	- - Tantalum
639	8532.22.00	- - Aluminium electrolytic
640	8532.23.00	- - Ceramic dielectric, single layer
641	8532.24.00	- - Ceramic dielectric, multilayer
642	8532.25.00	- - Dielectric of paper or plastics
643	8532.29.00	- - Other
644	8532.30.00	- Variable or adjustable (pre-set) capacitors
645	8532.90.10	- - Used with capacity of 500 KVA or more
646	8532.90.90	- - Other
647	8533.10.10	- - Surface mounted
648	8533.10.90	- - Other
649	8533.21.00	- - For a power handling capacity not exceeding 20W
650	8533.29.00	- - Other
651	8533.31.00	- - For a power handling capacity not exceeding 20W
652	8533.39.00	- - Other
653	8533.40.00	- Other variable resistors, including rheostats and potentiometers
654	8533.90.00	- Parts
655	8534.00.10	- Single-sided
656	8534.00.20	- Double-sided
657	8534.00.30	- Multi-layer
658	8534.00.90	- Other
659	8536.10.10	- - Thermal fuses; glass type fuses
660	8536.10.90	- - Other
661	8536.20.10	- - Moulded case type
662	8536.20.20	- - For incorporation into electro-thermic domestic appliances of heading 85.16
663	8536.20.90	- - Other
664	8536.30.10	- - Lightning arrestor

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
665	8536.30.90	-- Other
666	8536.41 00	-- For a voltage not exceeding 60 V
667	8536.49 00	-- Other
668	8536.50.10	-- Smoke switches
669	8536.50.20	-- Over current and residual current automatic switches
670	8536.50.30	-- High inrush switches and commutators for stoves and ranges; microphone switches; power switches for television or radio receivers; switches for electric fans; rotary, slide, see-saw and magnetic switches for air-conditioning machines
671	8536.50.40	-- Miniature switches for rice cookers or oven toasters
672	8536.50.50	-- Electronic AC switches consisting of optically coupled input and output circuits (Insulated thyristor AC switches); 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; electromechanical snap-action switches for a current not exceeding 11 amps
673	8536.50.60	-- Make and break switches of a kind used in domestic electrical wiring not exceeding 500 v and having a rated current carrying capacity not exceeding 20 amp
674	8536.50.90	-- Other
675	8536.61.10	— Of a kind used for compact lamps or halogen lamps
676	8536.61.90	--- Other
677	8536.69.10	— Telephone plugs
678	8536.69.20	— Audio/video sockets and cathode ray tube (CRT) sockets for television or radio receivers
679	8536.69.30	— Sockets and other plugs for co-axial cables and printed circuits
680	8536.69.90	--- Other
681	8536.90.10	-- Connection and contact elements for wires and cables; wafer probers
682	8536.90.20	-- Junction boxes
683	8536.90.30	-- Cable connectors consisting of a jack plug, terminal with or without pin, connector and adaptor for coaxial cable; commutator
684	8536.90.90	-- Other
685	8537.10.10	-- Switchboards and control panels
686	8537.10.20	-- Distribution boards (including back panels and back planes) for use solely or principally with goods of headings 84.71, 85.17 or 85.25
687	8537.10.30	-- Programmable logic controllers for automated machines for transport, handling and storage of dies for semiconductor devices
688	8537.10.90	-- Other
689	8537.20.10	-- Switchboards
690	8537.20.20	-- Control panels
691	8537.20.90	-- Other
692	8538.10.11	— Parts of programmable logic controllers for automated machines for transport, handling and storage of dies for semiconductor devices
693	8538.10.19	--- Other
694	8538.10.21	— Parts of programmable logic controllers for automated machines for transport, handling and storage of dies for semiconductor devices
695	8538.10.29	--- Other
696	8538.90.11	— Parts including printed circuit assemblies of : telephone plugs; connection and contact elements for wires and cables; wafer probers

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
697	8538.90.12	- - - Parts of goods of subheadings 8536.50.50, 8536.69.30 and 8536.90.10
698	8538.90.13	— Parts of goods of subheading 8537.10.20
699	8538.90.19	- - - Other
700	8538.90.21	— Parts including printed circuit assemblies of : telephone plugs; connection and contact elements for wires and cables; wafer probers
701	8538.90.29	- - - Other
702	8539.31.10	— Tubes for compact fluorescent lamps
703	8539.31.20	— TL/ fluorescent lamps in straight or circular form
704	8540.11.10	— Flat monitor
705	8540.11.90	- - - Other
706	8540.12.00	- - Black and white or other monochrome
707	8540.20.10	- - For use with articles of heading 85.25
708	8540.20.90	- - Other
709	8540.40.10	- - For use with articles of heading 85.25
710	8540.40.90	- - Other
711	8540.50.10	- - For use with articles of heading 85.25
712	8540.50.90	- - Other
713	8540.60.00	- Other cathode-ray tubes
714	8540.71.10	— For use with articles of heading 85.25
715	8540.71.90	- - - Other
716	8540.72.10	— For use with articles of heading 85.25
717	8540.72.90	- - - Other
718	8540.79.10	— For use with articles of heading 85.25
719	8540.79.90	- - - Other
720	8540.81.10	— For use with articles of heading 85.25
721	8540.81.90	- - - Other
722	8540.89.10	— For use with articles of heading 85.25
723	8540.89.90	- - - Other
724	8540.91.10	— For use with article of heading 85.25
725	8540.91.20	— Beam directing coil and voltage transforming coil
726	8540.91.90	- - - Other
727	8540.99.10	— Of microwave tubes
728	8540.99.20	— For use with article of heading 85.25
729	8540.99.90	- - - Other
730	8541.10.00	- Diodes, other than photosensitive or light emitting diodes
731	8541.21.00	- - With a dissipation rate of less than 1w
732	8541.29.00	- - Other
733	8541.30.00	- Thyristors, diacs and triacs, other than photosensitive devices
734	8541.40.10	- - Light emitting diodes
735	8541.40.20	- - Photocells, including photodiodes and phototransistors
736	8541.40.91	— For use with articles of heading 85.25
737	8541.40.99	- - - Other
738	8541.50.00	- Other semiconductor devices
739	8541.60.00	- Mounted piezo-electric crystals
740	8541.90.00	- Parts
741	8542.10.00	- Cards incorporating an electronic integrated circuit ("smart" cards)
742	8542.21.10	— Wafers and discs , electrically circuit-programmed, whether or not coated on one side with gold or aluminium
743	8542.21.90	- - - Other

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
744	8542.29.10	— Wafers and discs , electrically circuit-programmed, whether or not coated on one side with gold or aluminium
745	8542.29.90	- - - Other
746	8542.60.00	- Hybrid integrated circuits
747	8542.70.00	- Electronic microassemblies
748	8542.90.10	- - Frames or lead frames, being part of integrated circuits, composed of substances of any following characters:
749	8542.90.20	- - lids and caps, of 58% iron and 42% nickel coated with gold or of ceramic, coated with quartz, whether or not partly made of glass; bases of ceramic coated with glass whether or not partly coated with gold
750	8542.90.90	- - Other
751	8543.11.00	- - Ion implanters for doping semiconductor materials
752	8543.19.00	- - Other
753	8543.20.00	- Signal generators
754	8543.30.10	- - Apparatus for wet etching, developing, stripping or cleaning semiconductor wafers and flat panel displays
755	8543.30.20	- - Wet processing equipment for the application by immersion of chemical or electrochemical solutions, whether or not for the purpose of removing material on PCB/PWB substrates
756	8543.30.90	- - Other
757	8543.40.00	- Electric fence energisers
758	8543.81.00	- - Proximity cards and tags
759	8543.89.10	— Integrated receivers / decoders (IRD) for direct broadcast multimedia systems
760	8543.89.20	— Electrical machines with translation or dictionary functions; flat panel displays (including LCD, Electro-Luminescence, Plasma and other technologies falling within the Information Technology Agreement (ITA); projection type flat panel display units used with automatic data processing machines which can display digital information generated by the central processing unit
761	8543.89.30	— Equipment for the removal of dust particles or the elimination of electrostatic charge during the manufacture of PCB/PWBs or PCAs
762	8543.89.40	— Machines for curing material by ultra-violet light for the manufacture of PCB/PWBs or PCAs
763	8543.89.50	— Apparatus for physical deposition on flat panel display substrates
764	8543.89.60	— Electrical mine detonators
765	8543.89.70	— Low noise amplifiers (LNA) and low noise blocks (LNB)
766	8543.89.90	- - - Other
767	8543.90.10	- - Of the goods of subheading 8543.30.10
768	8543.90.20	- - Of the goods of subheading 8543.30.20
769	8543.90.30	- - Of the goods of subheading 8543.11.00
770	8543.90.40	- - Of the goods of subheading 8543.81.00
771	8543.90.50	- - Of the goods of subheading 8543.19.00 or 8543.20.00
772	8543.90.60	- - Parts including subassemblies of the goods of subheading 8543.89.10
773	8543.90.70	- - Of goods of subheading 8543.89.20
774	8543.90.80	- - Of the goods of subheadings 8543.89.30, 8543.89.40 or 8543.89.50
775	8543.90.90	- - Other
776	8544.11.10	— Lacquered or enamelled:
777	8544.11.20	— Covered with paper, textile material or PVC



**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
778	8544.11.30	— Lacquered or enamelled and covered with paper, textile material or PVC
779	8544.11.40	— Other, rectangular cross-section and without connectors
780	8544.11.90	- - - Other
781	8544.19.10	— Lacquered or enamelled
782	8544.19.20	— Manganese resistance wire
783	8544.19.90	- - - Other
784	8544.20.10	- - Insulated cables fitted with connectors, for a voltage not exceeding 66,000 V
785	8544.20.20	- - Insulated cables not fitted with connectors, for a voltage not exceeding 66,000V
786	8544.20.30	- - Insulated cables fitted with connectors, for a voltage exceeding 66,000V
787	8544.20.40	- - Insulated cables not fitted with connectors, for a voltage exceeding 66,000 V
788	8544.30.10	- - Wiring harnesses for motor vehicles
789	8544.30.90	- - Other
790	8544.41.11	——Telephone cables, submarine
791	8544.41.12	——Telephone cables, other than submarine
792	8544.41.13	——Telegraph and radio relay cables, submarine
793	8544.41.14	——Telegraph and radio relay cables, other than submarine
794	8544.41.15	——Other plastic insulated electric cable having cross section not exceeding 300mm <sup>2</sup>
795	8544.41.19	——Other
796	8544.41.91	——Plastic insulated electric cable having a cross section not exceeding 300 mm <sup>2</sup>
797	8544.41.92	——Plastic insulated electric cable having a cross section exceeding 300 mm <sup>2</sup>
798	8544.41.93	——Plastic insulated electric conductors
799	8544.41.94	——Controlling cables
800	8544.41.95	——Battery cables
801	8544.41.99	——Other
802	8544.49.11	——Telephone, telegraph and radio relay cables, submarine
803	8544.49.12	——Telephone, telegraph and radio relay cables, other than submarine
804	8544.49.19	——Other
805	8544.49.91	——Plastic insulated electric cable having a cross section not exceeding 300 mm <sup>2</sup>
806	8544.49.92	——Plastic insulated electric cable having a cross section exceeding 300 mm <sup>2</sup>
807	8544.49.93	——Plastic insulated electric conductors
808	8544.49.94	——Controlling cables
809	8544.49.95	——Shielded wire of a kind used in the manufacture of automotive wiring harness
810	8544.49.99	——Other
811	8544.51.11	——Telephone, telegraph and radio relay cables, submarine [ITA1/A-098]
812	8544.51.12	——Telephone, telegraph and radio relay cables, other than submarine [ITA1/A-098]
813	8544.51.19	——Other [ITA1/A-098]

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
814	8544.51.91	——Plastic insulated electronicsic cable having a cross section not exceeding 300 mm <sup>2</sup> [ITA1/A-098]
815	8544.51.92	——Plastic insulated electronicsic cable having a cross section exceeding 300 mm <sup>2</sup> [ITA1/A-098]
816	8544.51.93	——Plastic insulated electronicsic conductors [ITA1/A-098]
817	8544.51.94	——Controlling cables [ITA1/A-098]
818	8544.51.99	——Other [ITA1/A-098]
819	8544.59.11	——Telephone, telegraph and radio relay cables, submarine
820	8544.59.12	——Telephone, telegraph and radio relay cables, other than submarine
821	8544.59.19	——Other
822	8544.59.91	——Plastic insulated electric cable having a cross section not exceeding 300 mm <sup>2</sup>
823	8544.59.92	——Plastic insulated electric cable having a cross section exceeding 300 mm <sup>2</sup>
824	8544.59.93	——Plastic insulated electric conductors
825	8544.59.94	——Controlling cables
826	8544.59.99	——Other
827	8544.60.11	— Plastic insulated electric cables having a cross section not exceeding 400 mm <sup>2</sup>
828	8544.60.19	- - - Other
829	8544.60.21	— Plastic insulated electric cables having a cross section not exceeding 400 mm <sup>2</sup>
830	8544.60.29	- - - Other
831	8544.60.31	— Plastic insulated electric cables having a cross section not exceeding 400 mm <sup>2</sup>
832	8544.60.39	- - - Other
833	8544.60.91	— Telephone, telegraph, radio relay cables, submarine
834	8544.60.92	— Telephone, telegraph, radio relay cables, other than submarine
835	8544.60.99	- - - Other
836	8544.70.10	- - Telephone, telegraph and radio relay cables, submarine
837	8544.70.20	- - Telephone, telegraph and radio relay cables, other than submarine
838	8544.70.90	- - Other
839	8548.90.10	- - Image sensors of the contact type comprising a photo-conductive sensor element, an electric charge storage condenser, a light source of light emitting diodes (LEDs), a thin-film transistor (TFT) matrix and a scanning condenser, capable of scanning text
840	8548.90.20	- - Printed circuit assemblies for products falling within ITA, including such assemblies for external connections such as cards that conform to the PCMCIA standard. Such printed circuit assemblies consist of on or more printed circuits of heading 85.34 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 85.41, and integrated circuits and micro assemblies of heading 85.42
841	8548.90.30	- - Low noise amplifiers (LNA) and low noise blocks (LNB); wave guides; synthetizer for radio communications, feed horn for aerials
842	8548.90.40	- - Parts of flat panel displays (including LCD, electro-luminescence Plasma and other technologies) for products falling within the ITA
843	8548.90.90	- - Other
844	9001.10.10	- - For telecommunications and other electrical use

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
845	9001.10.90	- - Other
846	9001.20.00	- Sheets and plates of polarising material
847	9001.30.00	- Contact lenses
848	9001.40.00	- Spectacle lenses of glass
849	9001.50.00	- Spectacle lenses of other materials
850	9001.90.10	- - For photographic or cinematographic cameras or projectors
851	9001.90.20	- - Lenses and prisms for lighthouses or beacons
852	9001.90.90	- - Other
853	9002.11.10	— Cinematographic projector
854	9002.11.90	- - - Other
855	9002.19.00	- - Other
856	9002.20.10	- - For cinematographic projectors
857	9002.20.20	- - For cinematographic cameras, photographic cameras and other projectors
858	9002.20.30	- - For telescopes or microscopes
859	9002.20.90	- - Other
860	9002.90.10	- - Lenses and prisms for lighthouses or beacons
861	9002.90.20	- - For cinematographic projectors
862	9002.90.30	- - For cinematographic cameras, photographic cameras and other projectors
863	9002.90.40	- - For medical and surgical instruments
864	9002.90.90	- - Other
865	9004.90.90	- - Other
866	9006.10.10	- - Laser photo plotters
867	9006.10.90	- - Other
868	9006.20.00	- Cameras of a kind used for recording documents on microfilm, microfiche or other microforms
869	9006.30.00	- Cameras specially designed for underwater use, for aerial survey or for medical or surgical examinations of internal organs; comparison cameras for forensic or criminological purposes
870	9006.40.00	- Instant print cameras
871	9006.51.00	- - With a through-the-lens viewfinder (single lens reflex (SLR)), for roll film of a width not exceeding 35 mm
872	9006.52.00	- - Other, for roll film of a width less than 35 mm
873	9006.53.00	- - Other, for roll film of a width of 35 mm
874	9006.59.10	— Laser photo plotters or imagesetters with raster image processor
875	9006.59.90	- - - Other
876	9006.61.00	- - Discharge lamp ("electronic") flashlight apparatus
877	9006.62.00	- - Flashbulbs, flashcubes and the like
878	9006.69.00	- - Other
879	9006.91.10	— For laser photo plotters of 9006.10.10
880	9006.91.20	— Other, for cameras of subheadings 9006.10 and 9006.30
881	9006.91.30	— Other, for cameras of subheadings 9006.40 to 9006.53
882	9006.91.90	- - - Other
883	9006.99.10	— For photographic flashlight apparatus
884	9006.99.90	- - - Other
885	9007.11.00	- - For film of less than 16mm width or for double-8mm film
886	9007.19.00	- - Other
887	9007.20.10	- - For film of less than 16 mm in width
888	9007.20.90	- - Other

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
889	9007.91.00	- - For cameras
890	9007.92.00	- - For projectors
891	9008.10.00	- Slide projectors
892	9008.20.00	- Microfilm, microfiche or other microform readers, whether or not capable of producing copies
893	9008.30.00	- Other image projectors
894	9008.40.10	- - Specialised equipment for use in the printing industry
895	9008.40.90	- - Other
896	9008.90.10	- - Of the goods of subheading 9008.20
897	9008.90.90	- - Other
898	9009.11.10	— Colour
899	9009.11.90	- - - Other
900	9009.12.11	— Electrostatic photocopying apparatus, operating by reproducing the original image via an intermediate onto the copy (indirect process), operating by converting the original document into digital code
901	9009.12.19	— Other
902	9009.12.91	— Electrostatic photocopying apparatus, operating by reproducing the original image via an intermediate onto the copy (indirect process), operating by converting the original document into digital code
903	9009.12.99	— Other
904	9009.21.10	— Colour
905	9009.21.90	- - - Other
906	9009.22.10	— Colour
907	9009.22.90	- - - Other
908	9009.30.10	- - Colour
909	9009.30.90	- - Other
910	9009.91.00	- - Automatic document feeders
911	9009.92.00	- - Paper feeders
912	9009.93.00	- - Sorters
913	9009.99.00	- - Other
914	9010.10.10	- - Apparatus and equipment for automatically developing x-ray film
915	9010.10.90	- - Other
916	9010.41.00	- - Direct write-on-wafer apparatus
917	9010.42.00	- - Step and repeat aligners
918	9010.49.00	- - Other
919	9010.50.10	- - Apparatus for the projection or drawing of circuit patterns on sensitized substrates for the manufacture of PCB/PWBs
920	9010.50.90	- - Other
921	9010.60.10	- - Of 300 inch or more
922	9010.60.90	- - Other
923	9010.90.10	- - For projection screens, or for articles of subheading 9010.10.00
924	9010.90.20	- - Parts and accessories of the apparatus of subheadings. 9010.41 .00, 9010.42.00 and 9010.49.00
925	9010.90.30	- - Parts and accessories of apparatus for the projection or drawing of circuit patterns on sensitized substrates for the manufacture of PCB/PWBs
926	9010.90.90	- - Other
927	9011.10.10	- - Optical stereoscopic microscopes fitted with equipment specifically designed for the handling and transport of semiconductor wafers or reticles

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
928	9011.10.90	- - Other
929	9011.20.10	- - Photomicrographic microscopes fitted with equipment specifically designed for the handling and transport of semiconductor wafers or reticles
930	9011.20.90	- - Other
931	9011.80.00	- Other microscopes
932	9011.90.10	- - Parts and accessories of optical stereoscopic and photomicrographic microscopes fitted with equipment specifically designed for the handling and transport of semiconductor wafers or reticles
933	9011.90.90	- - Other
934	9012.10.10	- - Electron beam microscopes fitted with equipment specifically designed for the handling and transport of semiconductor wafers or reticles
935	9012.10.90	- - Other
936	9012.90.10	- - Parts and accessories of electron beam microscopes fitted with equipment specifically designed for the handling and transport of semiconductor wafers or reticles
937	9012.90.90	- - Other
938	9013.10.00	- Telescopic sights for fitting to arms; periscopes; telescopes designed to form parts of machines, appliances, instruments or apparatus of this Chapter or Section XVI
939	9013.20.00	- Lasers, other than laser diodes
940	9013.80.10	- - Optical error verification and repair apparatus for PCB/PWBs and PCAs
941	9013.80.20	- - Liquid crystal devices
942	9013.80.90	- - Other
943	9013.90.10	- - Of the goods of subheading 9013.20.00
944	9013.90.20	- - Other of the goods of subheading 9013.80.20
945	9013.90.30	- - Other of the goods of subheading 9013.10.00 or 9013.80.00
946	9013.90.40	- - Parts and accessories of optical error verification and repair apparatus for PCB/PWBs and PCAs
947	9013.90.90	- - Other
948	9016.00.10	- Electronic
949	9016.00.90	- Other
950	9017.10.10	- - Plotters whether input or output units of HS heading 84.71 or drawing or drafting machines of HS heading 90.17
951	9017.10.90	- - Other
952	9017.20.10	- - Rulers
953	9017.20.20	- - Pattern generating apparatus of a kind used for producing masks or reticles from photoresist coated substrates
954	9017.20.30	- - Apparatus for the projection or drawing of circuit patterns on sensitized substrates for the manufacture of PCB/PWBs
955	9017.20.40	- - Photo plotters for the manufacture of PCB/PWBs
956	9017.20.50	- - Plotters whether input or output units of HS heading 84.71 or drawing or drafting machines of HS heading 90.17
957	9017.20.90	- - Other
958	9017.30.00	- Micrometers, callipers and gauges
959	9017.80.10	- - Measuring tapes
960	9017.80.90	- - Other

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
961	9017.90.10	-- Parts and accessories including printed circuit assemblies for pattern generating apparatus of a kind used for producing masks or reticles from photoresist coated substrates
962	9017.90.20	-- Parts and accessories of apparatus for the projection or drawing of circuit patterns on sensitized substrates for the manufacture of PCB/PWBs
963	9017.90.30	-- Parts and accessories of Photo plotters for the manufacture of PCB/PWBs
964	9017.90.40	-- Parts and accessories including printed circuit assemblies of plotters whether input or output units of heading 84.71
965	9017.90.90	-- Other
966	9018.11.00	-- Electro-cardiographs
967	9018.12.00	-- Ultrasonic scanning apparatus
968	9018.13.00	-- Magnetic resonance imaging apparatus
969	9018.14.00	-- Scintigraphic apparatus
970	9018.19.00	-- Other
971	9018.20.00	- Ultra-violet or infra-red ray apparatus
972	9022.12.00	-- Computed tomography apparatus
973	9022.13.00	-- Other, for dental use
974	9022.14.00	-- Other, for medical, surgical, or veterinary uses
975	9022.19.10	— X-ray apparatus for the physical inspection of solder joints on PCB/PWB assemblies
976	9022.19.90	- - - Other
977	9022.21.00	-- For medical, surgical, dental or veterinary uses
978	9022.29.00	-- For other uses
979	9022.30.10	-- For medical, surgical, dental or veterinary uses
980	9022.30.90	-- Other
981	9022.90.10	-- Parts and accessories of X-ray apparatus for the physical inspection of solder joints on PCAs
982	9022.90.20	-- Medical, surgical, dental or veterinary uses
983	9022.90.90	-- Other
984	9023.00.00	Instruments, apparatus and models, designed for demonstrational purposes (for example, in education or exhibitions), unsuitable for other uses.
985	9027.10.10	-- Electrically operated
986	9027.10.20	-- Not electrically operated
987	9027.20.10	-- Electrically operated
988	9027.20.20	-- Not electrically operated
989	9027.30.10	-- Electrically operated
990	9027.30.20	-- Not electrically operated
991	9027.40.00	- Exposure meters
992	9027.50.10	-- Electrically operated
993	9027.50.20	-- Not electrically operated
994	9027.80.10	-- Smoke detectors, electrically operated
995	9027.80.20	-- Other, electrically operated
996	9027.80.30	-- Other, not electrically operated
997	9027.90.10	-- Parts and accessories including printed circuit assemblies of products of heading 90.27, other than for gas or smoke analysis apparatus and microtomes
998	9027.90.91	— Electrically operated

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
999	9027.90.99	- - - Other
1000	9030.10.00	- Instruments and apparatus for measuring or detecting ionising radiation
1001	9030.20.00	- Cathode-ray oscilloscopes and cathode-ray oscillographs
1002	9030.31.00	- - Multimeters
1003	9030.39.10	— Ammeters and voltmeters for motor vehicles
1004	9030.39.20	— Instruments and apparatus for measuring or checking voltage, current, resistance or power on PCB/PWBs or PCAs, without recording device
1005	9030.39.30	— Impedance-measuring instruments and apparatus designed to provide visual and/or audible warning of electrostatic discharge conditions that can damage electronic circuits; apparatus for testing electrostatic control equipment and electrostatic grounding devices/fixtures
1006	9030.39.90	- - - Other
1007	9030.40.00	- Other instruments and apparatus, specially designed for tele-communications (for example, cross-talk meters, gain measuring instruments, distortion factor meters, psophometers)
1008	9030.82.10	— Water probers
1009	9030.82.90	- - - Other
1010	9030.83.10	— Instruments and apparatus, with a recording device, for measuring or checking electrical quantities on PCB/PWBs and PCAs
1011	9030.83.90	- - - Other
1012	9030.89.10	— Instruments and apparatus, without a recording device, for measuring or checking electrical quantities on PCB/PWBs and PCAs , other than those covered within HS 9030.39
1013	9030.89.90	- - - Other
1014	9030.90.10	- - Parts incorporating FPD for goods of 9030.40
1015	9030.90.20	- - Parts and accessories of instruments and apparatus for measuring or checking electrical quantities on PCB/PWBs and PCAs
1016	9030.90.30	- - Parts and accessories of optical instruments and appliances for measuring or checking PCB/PWBs and PCAs
1017	9030.90.40	- - Printed circuit assemblies for products falling within ITA, including such assemblies for external connections such as cards that conform to the PCMCIA standard. Such printed circuit assemblies consist of on or more printed circuits of heading 85.34 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 85.41, and integrated circuits and micro assemblies of heading 85.42
1018	9030.90.90	- - Other
1019	9031.10.10	- - Electrically operated
1020	9031.10.20	- - Not electrically operated
1021	9031.20.10	- - Electrically operated
1022	9031.20.20	- - Not electrically operated
1023	9031.30.00	- Profile projectors
1024	9031.41.00	- - For inspecting semiconductor wafers or devices or for inspecting photomasks or reticles used in manufacturing semiconductor devices
1025	9031.49.10	— Optical instruments and appliances for measuring surface particulate contamination on semiconductor wafers
1026	9031.49.20	— Optical error verification and repair apparatus for PCB/PWBs and PCAs

**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
1027	9031.49.30	— Optical instruments and appliances for measuring or checking PCB/PWBs and PCAs
1028	9031.49.90	--- Other
1029	9031.80.11	— Electrically operated
1030	9031.80.19	— Not electrically operated
1031	9031.80.91	--- Electron beam microscopes fitted with equipment specifically designed for the handling and transport of semiconductor wafer or reticles, electrically operated
1032	9031.80.92	— Other, electrically operated
1033	9031.80.99	— Not electrically operated
1034	9031.90.11	--- Parts and accessories including printed circuit assemblies of optical instruments inspecting semiconductor wafers or devices or for inspecting photomasks or reticles used in manufacturing semiconductor devices and optical instruments and appliances for measuring surface particulate contamination on semiconductor wafers
1035	9031.90.12	— Parts and accessories of Optical error verification and repair apparatus for PCB/PWBs and PCAs
1036	9031.90.13	— Parts and accessories of optical instruments and appliances for measuring or checking PCB/PWBs and PCAs
1037	9031.90.14	— Parts and accessories of electron beam microscopes fitted with equipment specially designed for handling and transport of semiconductor wafers or reticles
1038	9031.90.19	--- Other
1039	9031.90.20	-- For non-electrically operated equipment
1040	9032.10.10	-- Electrically operated
1041	9032.10.20	-- Not electrically operated
1042	9032.20.10	-- Electrically operated
1043	9032.20.20	-- Not electrically operated
1044	9032.81.00	-- Hydraulic or pneumatic
1045	9032.89.10	— Instruments and apparatus incorporating or working in conjunction with an automatic data processing machine, for automatically regulating or controlling the propulsion, ballast or cargo handling systems of ships
1046	9032.89.20	— Automatic instruments and apparatus for regulating or controlling chemical or electrochemical solutions in the manufacture of PCA/PWBs
1047	9032.89.31	——Automatic regulating voltage units (stabilizers)
1048	9032.89.39	——Other
1049	9032.89.90	— Not electrically operated
1050	9032.90.10	-- Of goods of subheading 9032.89.10
1051	9032.90.20	-- Of goods of subheading 9032.89.20
1052	9032.90.30	-- Of other electrically operated goods
1053	9032.90.90	-- Other
1054	9033.00.10	- For electrically operated equipment
1055	9033.00.20	- For non-electrically operated equipment
1056	9101.11.00	-- With mechanical display only
1057	9101.12.00	-- With opto-electronic display only
1058	9101.19.00	-- Other
1059	9101.21.00	-- With automatic winding
1060	9101.29.00	-- Other
1061	9101.91.00	-- Electrically operated



**Attachment I**  
**Coverage of the Electronics Products Sector**

No	AHTN	Description
1062	9101.99.00	- - Other
1063	9102.11.00	- - With mechanical display only
1064	9102.12.00	- - With opto-electronic display only
1065	9102.19.00	- - Other
1066	9102.21.00	- - With automatic winding
1067	9102.29.00	- - Other
1068	9102.91.10	— Stop-watches
1069	9102.91.90	- - - Other
1070	9102.99.10	— Stop-watches
1071	9102.99.90	- - - Other
1072	9108.11.00	- - With mechanical display only or with a device to which a mechanical display can be incorporated
1073	9108.12.00	- - With opto-electronic display only
1074	9108.19.00	- - Other
1075	9108.20.00	- Automatic winding
1076	9108.90.00	- Other
1077	9504.10.00	- Video games of a kind used with a television receiver

**Appendix II**  
**Negative List of ASEAN Member Countries for Electronics Products Sector**

<b>Brunei Darussalam</b>		
No	AHTN	Description
1	8414.30.11	— For air conditioning machines
2	8414.30.19	- - - Other
3	8414.30.91	— For air conditioning machines
4	8414.30.99	- - - Other
5	8414.51.10	— Table fans and box fans
6	8414.51.20	— Wall fans and ceiling fans
7	8414.51.30	— Floor fans
8	8414.51.90	- - - Other
9	8415.10.10	- - Of an output not exceeding 21.10 kW
10	8415.10.20	- - Of an output exceeding 21.10 kW but not exceeding 26.38 kW
11	8415.10.30	- - Of an output exceeding 26.38 kW but not exceeding 52.75 kW
12	8415.10.40	- - Of an output exceeding 52.75 kW
13	8415.81.11	- — Of an output not exceeding 21.10 kW
14	8415.81.12	——Of an output exceeding 21.10 kW but not exceeding 26.38 kW
15	8415.81.13	——Of an output exceeding 26.38 kW but not exceeding 52.75 kW
16	8415.81.14	——Of an output exceeding 52.75 kW
17	8415.81.21	——Of an output not exceeding 21.10 kW
18	8415.81.22	——Of an output exceeding 21.10 kW but not exceeding 26.38 kW
19	8415.81.23	——Of an output exceeding 26.38 kW but not exceeding 52.75 kW
20	8415.81.24	——Of an output exceeding 52.75 kW
21	8415.81.31	l - - - - Of an output not exceeding 21.10 kW
22	8415.81.32	——Of an output exceeding 21.10 kW but not exceeding 26.38 kW
23	8415.81.33	——Of an output exceeding 26.38 kW but not exceeding 52.75 kW
24	8415.81.34	- - - - Of an output exceeding 52.75 kW
25	8415.81.91	——Of an output not exceeding 21.10 kW
26	8415.81.92	——Of an output exceeding 21.10 kW but not exceeding 26.38 kW
27	8415.81.93	- - - - Of an output exceeding 26.38 kW but not exceeding 52.75 kW
"28	8415.81.94	— Of an output exceeding 52.75 kW
29	8415.82.11	——Of an output not exceeding 21.10 kW
30	8415.82.12	——Of an output exceeding 21.10 kW but not exceeding 26.38 kW
31	8415.82.13	——Of an output exceeding 26.38 kW but not exceeding 52.75 kW
32	8415.82.14	——Of an output exceeding 52.75 kW
33	8415.82.21	——Of an output not exceeding 21.10 kW
34	8415.82.22	——Of an output exceeding 21.10 kW but not exceeding 26.38 kW
35	8415.82.23"	——Of an output exceeding 26.38 kW but not exceeding 52.75 kW
36	8415.82.24	——Of an output exceeding 52.75 kW
37	8415.82.31	——Of an output not exceeding 21.10 kW
38	8415.82.32	——Of an output exceeding 21.10 kW but not exceeding 26.38 kW
39	8415.82.33	——Of an output exceeding 26.38 kW but not exceeding 52.75 kW
40	8415.82.34	——Of an output exceeding 52.75 kW
41	8415.82.91	..... Of an output not exceeding 21.10 kW
42	8415.82.92	——Of an output exceeding 21.10 kW but not exceeding 26.38 kW
43	8415.82.93	——Of an output exceeding 26.38 kW but not exceeding 52.75 kW
44	8415.82.94	——Of an output exceeding 52.75 kW
45	8415.83.11	——Of an output not exceeding 21.10 kW
46	8415.83.12	——Of an output exceeding 21.10 kW but not exceeding 26.38 kW
47	8415.83.13	——Of an output exceeding 26.38 kW but not exceeding 52.75 kW
48	8415.83.14	——Of an output exceeding 52.75 kW

**Appendix II**  
**Negative List of ASEAN Member Countries for Electronics Products Sector**

49	8415.83.21	— Of an output not exceeding 21.10 kW
50	8415.83.22	— Of an output exceeding 21.10 kW but not exceeding 26.38 kW
51	8415.83.23	— Of an output exceeding 26.38 kW but not exceeding 52.75 kW
52	8415.83.24	— Of an output exceeding 52.75 kW
53	8415.83.31	— Of an output not exceeding 21.10 kW
54	8415.83.32	— Of an output exceeding 21.10 kW but not exceeding 26.38 kW
55	8415.83.33	— Of an output exceeding 26.38 kW but not exceeding 52.75 kW
56	8415.83.34	— Of an output exceeding 52.75 kW
57	8415.83.91	— Of an output not exceeding 21.10 kW
58	8415.83.92	— Of an output exceeding 21.10 kW but not exceeding 26.38 kW
59	8415.83.93	— Of an output exceeding 26.38 kW but not exceeding 52.75 kW
60	8415.83.94	— Of an output exceeding 52.75 kW
61	8415.90.11	— For use in aircraft or railway rolling stock
62	8415.90.12	— Chassis or cabinets, welded and painted
63	8415.90.19	— Other
64	8415.90.21	— For use in aircraft or railway rolling stock
65	8415.90.22	— Chassis or cabinets, welded and painted
66	8415.90.29	— Other
67	8415.90.31	— For use in aircraft or railway rolling stock
68	8415.90.32	— Chassis or cabinets, welded and painted
69	8415.90.39	— Other
70	8415.90.91	— For use in aircraft or railway rolling stock
71	8415.90.92	— Chassis or cabinets, welded and painted
72	8415.90.99	— Other
73	8418.10.10	— Household type
74	8418.10.90	— Other
75	8418.21.00	— Compression-type
76	8418.29.00	— Other
77	8418.30.10	— Not exceeding 200 l capacity
78	8418.30.20	— Exceeding 200 l but not exceeding 800 l capacity
79	8418.50.11	— Suitable for medical use
80	8418.50.19	— Other
81	8418.50.21	— Suitable for medical use
82	8418.50.22	— Refrigerating chamber
83	8418.50.29	— Other
84	8418.69.10	— Beverage coolers
85	8418.69.20	— Water chillers having refrigerating capacities of 100 tons and above or exceeding 21.10 kW
86	8418.69.30	— Other water coolers
87	8418.69.40	— Heat pumps of a kind normally not for domestic use
88	8418.69.50	— Scale ice-maker units
89	8418.69.90	— Other
90	8418.91.10	— For the goods of subheading 8418.10.00, 8418.21.00, 8418.22.00, 8418.29.00, 8418.30.00 or 8418.40.00
91	8418.91.90	— Other
92	8418.99.10	— Evaporators and condensers
93	8418.99.20	— Cabinets and doors, welded or painted
94	8418.99.30	— Parts of water chillers with a refrigerating capacity exceeding 21.10 kW; parts of evaporators of the fin type having the distance between the fins of 4 mm or more

**Appendix II**

**Negative List of ASEAN Member Countries for Electronics Products Sector**

95	8418.99.40	— Aluminium rollbonds for subheading 8418.10.10, 8418.21, 8418.22 and 8418.29
96	8418.99.90	--- Other
97	8419.39.11	—Machinery for the treatment of materials by a process involving heating, for the manufacture of Printed Circuit Board (PCB) / Printed Wiring Board (PWB) or Printed Circuit Assembly (PCA)
98	8419.81.11	—Cooking ranges
99	8419.81.19	—Other
100	8419.89.11	—Evaporators for air-conditioning machines for motor vehicles
101	8419.89.13	—Machinery for the treatment of material by a process involving heating, for the manufacture of PCB/PWBs or PCAs
102	8419.89.14	—Chemical vapour deposition apparatus for flat panel display production
103	8419.89.19	—Other
104	8419.89.20	— Not electrically operated
105	8465.99.50	— Machines for deburring the surfaces of PCB/PWBs during manufacturing; for scoring PCB/PWBs or PCB/PWB substrates, electrically operated; laminating presses for the manufacture of PCB/PWBs. electrically operated
106	8479.89.20	- • - Chemical vapour deposition apparatus for flat panel display production; automated machines for the transport, handling and storage of PCB/PWBs or PCAs; lamination presses for the manufacture of PCB/PWBs; machinery for assembling central processing unit (CPU) daughter boards in plastic case housings; apparatus for the regeneration of chemical solutions used in the manufacture of PCB/PWBs; spinners for coating photosensitive emulsions on flat panel display substrates; equipment for mechanically cleaning the surfaces of PCB/PWBs during manufacturing; automated machines for the placement or the removal of components or contact elements on semiconductor materials, PCB/PWBs or other substrates; registration equipment for the alignment of PCB/PWBs or PCAs in the manufacturing process; apparatus for spot application of liquids, soldering pastes, solder ball, adhesives or sealants to PCB/PWBs or their components; apparatus for the application of dry film or liquid photo resist, photosensitiv
107	8479.90.10	-- Part of the goods of subheading 8479.89.10
108	8479.90.20	-- Part of the goods of subheading 8479.89.20
109	8501.10.11	— Stepper motors
110	8501.10.12	— Spindle motors
111	8501.10.19	--- Other
112	8501.10.91	— Stepper motors
113	8501.10.92	— Spindle motors
114	8501.10.99	--- Other
115	8504.22.11	—Of a high side voltage of 66,000 volts or more
116	8504.22.19	—Other
117	8504.22.90	--- Other
118	8504.31.10	— Instrument potential transformers
119	8504.31.20	— Instrument current transformers
120	8504.31.30	— Flyback transformers
121	8504.31.40	— Intermediate frequency transformers
122	8504.31.50	--- Step up/down transformers, slide regulators, stabilisers
123	8504.31.90	--- Other
124	8504.32.91	—Of a power handling capacity not exceeding 10 kVA
125	8504.32.99	—Of a power handling capacity exceeding 10 kVA
126	8504.33.10	--- Of high side voltage of 66,000 volts or more

**Appendix II**

**Negative List of ASEAN Member Countries for Electronics Products Sector**

127	8504.33.90	--- Other
128	8504.34.11	--- Having a power handling capacity exceeding 10,000 kVA or of high side voltage of 66,000 volts or more
129	8504.34.19	--- Other
130	8504.34.20	--- Having a power handling capacity exceeding 15,000kVA
131	8504.50.12	--- Other chip type fixed inductors
132	8504.50.19	--- Other
133	8504.50.21	--- Inductors for power supplies for automatic data processing machines and units thereof, and telecommunication apparatus
134	8504.50.22	--- Other chip type fixed inductors
135	8504.50.29	--- Other
136	8504.50.91	--- Chip type fixed inductors
137	8504.50.99	--- Other
138	8504.90.10	- - Of the subheading of 8504.10
139	8504.90.30	- - For electrical transformer of capacity not exceeding 10,000 kVA
140	8504.90.40	- - For electrical transformer of capacity exceeding 10,000 kVA
141	8504.90.50	- - For inductors of capacity not exceeding 2,500 kVA
142	8504.90.60	- - For inductors of capacity exceeding 2,500 kVA
143	8504.90.90	- - Other
144	8506.10.10	- - Having external volume not exceeding 300 cm <sup>3</sup>
145	8506.10.90	- - Other
146	8506.80.11	--- Having external volume not exceeding 300 cm <sup>3</sup>
147	8506.80.19	--- Other
148	8506.80.91	--- Having external volume not exceeding 300 cm <sup>3</sup>
149	8506.80.99	--- Other
150	8506.90.00	- Parts 7
151	8509.10.00	J- Vacuum cleaners, including dry and wet vacuum cleaners
152	8509.40.00	- Food grinders or mixers; fruit or vegetable juice extractors
153	8509.80.00	- Other appliances
154	8514.20.19	--- Other 11
155	8514.20.92	i- - Electric furnaces or ovens for the manufacture of PCB/PWBs or PCAs
156	8514.20.99	--- Other
157	8515.21.00	- - Fully or partly automatic
158	8516.10.10	- - Electric instantaneous water heaters
159	8516.10.20	- - Electric storage water heaters
160	8516.10.30	- - Immersion heaters
161	8516.40.10	- - Of a kind designed to use steam from the industrial boiler
162	8516.40.90	- - Other
163	8516.50.00	- Microwave ovens
164	8516.60.90	--- Other
165	8516.80.10	- - For type-founding or type-setting machines; for industrial furnaces
166	8516.80.20	- - Sealed hotplates for domestic appliances
167	8516.80.30	- - Other, for domestic appliances
168	8516.80.90	- - Other
169	8516.90.10	- - Of heating resistors for type-founding or type-setting machines
170	8516.90.20	- - Of goods of subheading 8516.33, 8516.50, 8516.60, 8516.71, or 8516.79.10
171	8516.90.90	- - Other
172	8518.22.00	- - Multiple loudspeakers, mounted in the same enclosure
173	8518.29.10	--- Box assembly speakers
174	8518.29.90	T- - Other

**Appendix II**  
**Negative List of ASEAN Member Countries for Electronics Products Sector**

175	8518.30.30	-- Combined microphone / speaker sets
176	8518.30.90	-- Other <span style="float: right;">77777</span>
177	8518.40.10	-- Audio-frequency electric amplifiers, having 6 or more inputs signal lines, with or without elements for capacity amplifier
178	8518.40.30	-- Audio frequency amplifiers used as repeaters in telephony other than line telephony
179	8518.40.90	-- Other
180	J 8518.50.10	-- Of an output of 240 W or more
181	8518.50.20	-- Sound amplifier sets combined with loudspeaker line for broadcasting, having voltage of 50 V to 1 00 V
182	7 8518.50.90	-- Other <span style="float: right;">77777 777</span>
183	8518.90.10	-- Parts including printed circuit assemblies of subheading 8518.10.11, 8518.29.20, 8518.30.40 and 8518.40.20
184	T 8518.90.20	-- Parts of articles of subheading 8518.40.10, 8518.50.10, 8518.50.20
185	1 8518.90.90	-- Other
186	8519.29.00	-- Other
187	T 8519.93.10	--- For special use in cinematographic, television, broadcasting
188	8519.93.90	--- Other
189		
190	8521.90.91	--- For special use in cinematographic, television, broadcasting
191	8521.90.99	-- - Other
192	j 8523.11.10	--- Computer tape
193	8523.11.90	j- - - Other
194	8524.10.10	-- Educational use only
195	8524.10.90	-- Other
196	8525.10.10	-- For radio-broadcasting
197	J 8525.10.21	--- Video senders
198	8525.10.22	--- Central monitoring system
199	8525.10.23	--- Telemetry monitoring system
200	8525.10.29	--- Other
201	8525.10.30	-- Data compression tools
202	8526.10.10	-- Radar apparatus, ground base, of a kind used solely on sea-going vessels
203	8526.10.90	-- Other
204	8526.91.10	-- Radio navigational and apparatus, of a kind for used in civil aircraft, or of a kind used solely on sea-going vessels
205	8526.91.90	--- Other
206	8527.19.10	--- For radio-telephony or radio-telegraphy
207	8527.19.20	--- Reception apparatus capable of planning managing, and monitoring of electromagnetic spectrum
208	8527.19.90	--- Other <span style="float: right;">7</span>
209	8527.29.10	--- For radio-telephony or radio-telegraphy
210	8527.29.90	--- Other
211	8527.31.10	--- For radio-telephony or radio-telegraphy
212	8527.31.90	--- Other
213	8527.39.10	--- For radio-telephony or radio-telegraphy
214	8527.39.90	--- Other
215	8528.12.90	--- Other <span style="float: right;">777</span>
216	8528.30.10	-- Having capacity for projecting on the screen of 300 inch or more
217	8528.30.90	-- Other
218	8529.10.20	-- Parabolic aerial reflector dish for direct broadcast multi-media systems and parts thereof

**Appendix II**  
**Negative List of ASEAN Member Countries for Electronics Products Sector**

219	8529.10.30	-- Telescopic, rabbit and dipole antennae for television or radio receivers
220	8529.10.40	-- Aerial filters and separators
221	8529.10.51	--- For use with transmission apparatus or reception apparatus for radio-telegraphy, radio-telephony, radio-broadcasting or television
222	8529.10.59	--- Other
223	8529.10.60	-- Wave guide (feed horn)
224	8529.10.91	--- For radio-telephony or radio-telegraphy
225	8529.10.92	--- Transmission apparatus for radio-broadcasting or television
226	8529.10.99	--- Other
227	8536.20.10	-- Moulded case type
228	8536.20.20	-- For incorporation into electro-thermic domestic appliances of heading 85.16
229	8536.20.90	-- Other
230	8536.50.10	-- Smoke switches
231	8536.50.20	-- Over current and residual current automatic switches
232	8536.50.30	-- High inrush switches and commutators for stoves and ranges; microphone switches; power switches for television or radio receivers; switches for electric fans; rotary, slide, see-saw and magnetic switches for air-conditioning machines
233	8536.50.40	-- Miniature switches for rice cookers or oven toasters
234	8536.50.60	-- Make and break switches of a kind used in domestic electrical wiring not exceeding 500 v and having a rated current carrying capacity not exceeding 20 amp
235	8536.50.90	-- Other
236	8536.69.10	--- Telephone plugs
237	8536.69.20	--- Audio/video sockets and cathode ray tube (CRT) sockets for television or radio receivers
238	8536.69.90	--- Other
239	8536.90.20	-- Junction boxes
240	8536.90.30	-- Cable connectors consisting of a jack plug, terminal with or without pin, connector and adaptor for coaxial cable; commutator
241	8536.90.90	-- Other
242	8537.10.10	-- Switchboards and control panels
243	8537.10.20	-- Distribution boards (including back panels and back planes) for use solely or principally with goods of headings 84.71, 85.17 or 85.25
244	8537.10.30	-- Programmable logic controllers for automated machines for transport, handling and storage of dies for semiconductor devices
245	8537.10.90	-- Other
246	8537.20.10	-- Switchboards
247	8537.20.20	-- Control panels
248	8537.20.90	-- Other
249	8538.10.11	--- Parts of programmable logic controllers for automated machines for transport, handling and storage of dies for semiconductor devices
250	8538.10.19	--- Other
251	8538.10.21	--- Parts of programmable logic controllers for automated machines for transport, handling and storage of dies for semiconductor devices
252	8538.10.29	--- Other
253	8538.90.11	--- Parts including printed circuit assemblies of telephone plugs; connection and contact elements for wires and cables; wafer probers
254	8538.90.12	--- Parts of goods of subheadings 8536.50.50, 8536.69.30 and 8536.90.10
255	8538.90.13	--- Parts of goods of subheading 8537.10.20

**Appendix II**  
**Negative List of ASEAN Member Countries for Electronics Products Sector**

256	8538.90.19	--- Other
257	8538.90.21	— Parts including printed circuit assemblies of : telephone plugs; connection and contact elements for wires and cables; wafer probers
258	8538.90.29	--- Other
259	8540.50.10	-- For use with articles of heading 85.25
260	8540.50.90	-- Other
261	8540.60.00	- Other cathode-ray tubes
262	8543.89.30	— Equipment for the removal of dust particles or the elimination of electrostatic charge during the manufacture of PCB/PWBs or PCAs
263	8543.89.40	— Machines for curing material by ultra-violet light for the manufacture of PCB/PWBs or PCAs
264	8543.89.50	--- Apparatus for physical deposition on flat panel display substrates
265	8543.89.60	— Electrical mine detonators
266	8543.89.70	--- Low noise amplifiers (LNA) and low noise blocks (LNB)
267	8543.89.90	--- Other
268	8544.11.10	— Lacquered or enamelled:
269	8544.11.20	— Covered with paper, textile material or PVC
270	8544.11.30	— Lacquered or enamelled and covered with paper, textile material or PVC
271	8544.11.40	— Other, rectangular cross-section and without connectors
272	8544.11.90	--- Other
273	8544.19.10	--- Lacquered or enamelled
274	8544.19.20	— Manganese resistance wire
275	8544.19.90	--- Other
276	8544.20.10	-- Insulated cables fitted with connectors, for a voltage not exceeding 66,000 V
277	8544.20.20	-- Insulated cables not fitted with connectors, for a voltage not exceeding 66,000V
278	8544.20.30	-- Insulated cables fitted with connectors, for a voltage exceeding 66,000V
279	8544.20.40	-- Insulated cables not fitted with connectors, for a voltage exceeding 66,000 V
280	8544.30.10	-- Wiring harnesses for motor vehicles
281	8544.30.90	-- Other
282	8544.59.11	--- Telephone, telegraph and radio relay cables, submarine
283	8544.59.12	— Telephone, telegraph and radio relay cables, other than submarine
284	8544.59.19	— Other
285	8544.59.91	— Plastic insulated electric cable having a cross section not exceeding 300 mm <sup>2</sup>
286	8544.59.92	--- Plastic insulated electric cable having a cross section exceeding 300 mm <sup>2</sup>
287	8544.59.93	— Plastic insulated electric conductors
288	8544.59.94	— Controlling cables
289	8544.59.99	— Other
290	8544.60.11	--- Plastic insulated electric cables having a cross section not exceeding 400 mm <sup>2</sup>
291	8544.60.19	--- Other
292	8544.60.21	— Plastic insulated electric cables having a cross section not exceeding 400 mm <sup>2</sup>
293	8544.60.29	--- Other
294	8544.60.31	— Plastic insulated electric cables having a cross section not exceeding 400 mm <sup>2</sup>
295	8544.60.39	--- Other



**Appendix II**  
**Negative List of ASEAN Member Countries for Electronics Products Sector**

296	8544.60.91	- - - Telephone, telegraph, radio relay cables, submarine	
297	8544.60.92	- - - Telephone, telegraph, radio relay cables, other than submarine	
298	8544.60.99	j - - - Other	
299	8548.90.20	- - Printed circuit assemblies for products falling within ITA, 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 85.34 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 85.41, and integrated circuits and micro assemblies of heading 85.42	
300	8548.90.30	- - Low noise amplifiers (LNA) and low noise blocks (LNB); wave guides; synthesizer for radio communications, feed horn for aerials	
301	8548.90.40	- - Parts of flat panel displays (including LCD, electro-luminescence Plasma and other technologies) for products falling within the ITA	
302	8548.90.90	- - Other	
303	9006.59.10	- - - Laser photo plotters or imagesetters with raster image processor	
304	9006.59.90	- - - Other	
305	9008.40.10	- - Specialised equipment for use in the printing industry	
306	9008.40.90	- - Other	
307	9010.10.10	- - Apparatus and equipment for automatically developing x-ray film	
308	9010.10.90	- - Other	
309	9010.50.10	- - Apparatus for the projection or drawing of circuit patterns on sensitized substrates for the manufacture of PCB/PWBs	
310	9010.50.90	- - Other	
311	9010.90.10	- - For projection screens, or for articles of subheading 9010.10.00	
312	9010.90.30	- - Parts and accessories of apparatus for the projection or drawing of circuit patterns on sensitized substrates for the manufacture of PCB/PWBs	
313	9010.90.90	- - Other <span style="float: right;">Z Z</span>	
314	9027.10.10	- - Electrically operated	
315	9027.10.20	- - Not electrically operated	
316	9030.20.00	- Cathode-ray oscilloscopes and cathode-ray oscillographs	
317	9030.31.00	- - Multimeters	
318	9030.39.10	- - - Ammeters and voltmeters for motor vehicles	
319	9032.10.10	- - Electrically operated	
320	9032.10.20	- - Not electrically operated	
321	9032.20.10	- - Electrically operated	
32.2	9032.20.20	- - Not electrically operated	
323	9032.81.00	j - - Hydraulic or pneumatic	
••j	324	9032.89.10	- - - Instruments and apparatus incorporating or working in conjunction with an automatic data processing machine, for automatically regulating or controlling the [propulsion, ballast or cargo handling systems of ships
325	9032.89.20	- - Automatic instruments and apparatus for regulating or controlling chemical or electrochemical solutions in the manufacture of PCA/PWBs	
326	9032.89.31	- - - - Automatic regulating voltage units (stabilizers)	
327	9032.89.39	- - - - Other <span style="float: right;">Z</span>	
328	9032.89.90	- - - Not electrically operated	
329	9033.00.16	- For electrically operated equipment	
330	9033.00.20	- For non-electrically operated equipment	
331	9101.91.00	- - Electrically operated	
332	9101.99.00	- - Other	

**Appendix II**  
**Negative List of ASEAN Member Countries for Electronics Products Sector**

333	9102.99.10	- - - Stop-watches
334	9102.99.90	- - - Other
335	9504.10.00	- Video games of a kind used with a television receiver
<b>Cambodia</b>		
No	AHTN	Description
1	8414.51.10	— Table fans and box fans
2	8414.51.20	— Wall fans and ceiling fans
3	8414.51.30	— Floor fans
4	8414.51.90	- - - Other
5	8415.20.00	- Of a kind used for <b>persons</b> , in motor vehicles
6	8418.21.00	- - Compression-type
7	8418.30.10	- - Not exceeding 200 l capacity
8	8418.30.20	- - Exceeding 200 l but not exceeding 800 l capacity
9	8418.40.10	- - Not exceeding 200 l capacity
10	8418.40.20	- - Exceeding 200 l but not exceeding 900 l capacity
11	8419.89.11	— Evaporators for air-conditioning machines for motor vehicles
12	8419.89.12	— Chemical vapour deposition apparatus for semiconductor production
13	8419.89.13	— Machinery for the treatment of material by a process involving heating, for the manufacture of PCB/FWBs or PCAs
14	8419.89.14	— Chemical vapour deposition apparatus for flat panel display production
15	8419.89.19	- - - - Other
16	8419.90.11	— Parts of chemical vapour deposition apparatus for semiconductor production
17	8419.90.12	— Parts of machinery for the treatment of materials by a process involving heating, for the manufacture of PCB/PWBs or PCAs
18	8419.90.13	— Parts of chemical vapour deposition apparatus for flat panel display production
19	8450.11.10	— Each of a dry linen capacity not exceeding 6 kg
20	8450.11.20	— Each of a dry linen capacity exceeding 6 kg
21	8450.12.10	— Each of a dry linen capacity not exceeding 6 kg
22	8450.12.20	- - - Each of a dry linen capacity exceeding 6 kg
23	8470.10.00	- Electronic calculators capable of operation without an external source of electric power and pocket-size data recording, reproducing and displaying machines with calculating functions
24	8470.30.00	- Other calculating machines
25	8470.50.00	- Cash registers
26	8470.90.10	- - Postage-franking machines
27	8470.90.90	- - Other
28	8471.41.10	— Personal computers excluding portable computers
29	8471.41.90	- - - Other
30	8471.49.90	- - - Other
31	8471.50.10	- - Processing units for personal and portable computers
32	8471.50.90	- - Other
33	8471.60.12	- - Ink-jet printers
34	8471.60.13	- - Laser printers
35	8471.60.19	- - Other printers
36	8471.60.21	- - Computer terminals or monitors, colour, excluding closed circuit television monitors

**Appendix II**  
**Negative List of ASEAN Member Countries for Electronics Products Sector**

37	8471.60.29	-- Other computer terminals or monitors, excluding closed circuit television monitors
38	8471.60.60	-- Projection type flat panel display units used with automatic data processing machines which can display digital information generated by the central processing unit
39	8471.60.90	-- Other
40	8471.70.50	-- 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
41	8471.70.91	--- Backup management systems
42	8471.70.99	--- Other
43	8471.80.10	-- Control units
44	8471.80.20	-- Adaptor units
45	8471.90.10	-- Bar code readers
46	8471.90.20	-- Optical character readers, document or image scanners
47	8471.90.30	-- Card reader, card punch; tabulators; statistical machines of a kind operated in conjunction with punched card; computer peripheral units
48	8471.90.40	-- Other auxiliary machines for use with statistic machine
49	8471.90.90	-- Other
50	8472.90.10	-- Automatic teller machines
51	8473.29.00	-- Other
52	8473.30.90	-- Other
53	8473.40.11	--- Parts of automatic teller machines
54	8473.40.19	--- Other
55	8479.89.10	— Apparatus for growing or pulling monocrystal semiconductor boules; apparatus for physical deposition by sputtering on semiconductor wafers; apparatus for wet etching, developing, stripping or cleaning semiconductor wafers and flat panel displays; die attach apparatus, tape automated bonders, wire bonders and encapsulation equipment for assembly of semiconductors; epitaxial deposition machines for semiconductor wafers; machines for bending, folding and straightening semiconductor leads; physical deposition apparatus for semiconductor production; spinners for coating photographic emulsions on semiconductor wafers; automated machines for transport, handling and storage of semiconductor wafers, wafer cassettes, wafer boxes and other materials for semiconductor devices; apparatus for stripping or cleaning semiconductor wafers
56	8479.90.10	-- Part of the goods of subheading 8479.89.10
57	8479.90.20	-- Part of the goods of subheading 8479.89.20
58	8504.10.00	- Ballasts for discharge lamps or tubes
59	8504.21.91	----- Having a power handling capacity exceeding 10 kVA
60	8504.21.99	----- Other
61	8504.22.11	-- Of a high side voltage of 66,000 volts or more
62	8504.22.19	----- Other
63	8504.31.10	--- Instrument potential transformers
64	8504.31.90	--- Other
65	8504.33.10	— Of high side voltage of 66,000 volts or more
66	8504.33.90	--- Other
67	8504.34.11	— Having a power handling capacity exceeding 10,000 kVA or of high side voltage of 66,000 volts or more
68	8504.34.19	----- Other

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69	8504.40.11	--- UPS
70	8504.40.19	--- Other
71	8504.40.90	-- Other
72	8504.50.11	— Inductors for power supplies for automatic data processing machines and units thereof, and telecommunication apparatus
73	8504.50.12	— Other chip type fixed inductors
74	8504.50.19	--- Other
75	8504.50.21	— Inductors for power supplies for automatic data processing machines and units thereof, and telecommunication apparatus
76	8504.50.22	— Other chip type fixed inductors
77	8504.50.29	--- Other
78	8504.50.91	— Chip type fixed inductors
79	8504.50.99	--- Other
80	8504.90.10	-- Of the subheading of 8504.10
81	8504.90.20	---
82	8504.90.30	-- For electrical transformer of capacity not exceeding 10,000 kVA
83	8504.90.40	-- For electrical transformer of capacity exceeding 10,000 kVA
84	8504.90.50	-- For inductors of capacity not exceeding 2,500 kVA
85	8504.90.60	-- For inductors of capacity exceeding 2,500 kVA
86	8504.90.90	-- Other
87	8514.10.11	— Resistance heated furnaces and ovens for the manufacture of semiconductor devices on semiconductor wafers
88	8514.10.19	--- Other
89	8514.10.91	— Resistance heated furnaces and ovens for the manufacture of semiconductor devices on semiconductor wafers
90	8514.10.99	--- Other
91	8514.30.11	— Apparatus for rapid heating of semiconductor wafers
92	8514.30.12	— Electric furnaces or ovens for the manufacture of PCB/PWBs or PCAs
93	8514.30.19	--- Other
94	8514.30.90	-- Other
95	8517.19.20	--- Videophones
96	8517.21.00	-- Facsimile machines
97	8517.30.10	-- Telephonic
98	8517.30.20	-- Telegraphic
99	8517.50.90	-- Other
100	8517.80.91	--- Use for telephonic
101	8517.80.92	— Use for telegraphic
102	8517.80.99	--- Other
103	8517.90.90	-- Other
104	8518.10.11	— 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
105	8518.10.19	— Other microphones, whether or not with their stands
106	8518.10.90	-- Other
107	8518.21.00	-- Single loudspeakers, mounted in their enclosures
108	8518.22.00	-- Multiple loudspeakers, mounted in the same enclosure
109	8518.29.10	— Box assembly speakers
110	8518.29.20	— Loudspeakers, without housing, having a frequency range of 300 to Hz 3,4kHz with a diameter of not exceeding 50 mm, for telecommunication use
111	8518.29.90	--- Other

**Appendix II**  
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112	8518.40.10	-- Audio-frequency electric amplifiers, having 6 or more inputs signal lines, with or without elements for capacity amplifier
113	8518.40.20	-- Electric amplifiers when used as repeaters in line telephony products falling within the Information Technology Agreement
114	8518.40.30	-- Audio frequency amplifiers used as repeaters in telephony other than line telephony
115	8518.40.90	-- Other
116	8518.50.10	-- Of an output of 240 W or more
117	8518.50.20	-- Sound amplifier sets combined with loudspeaker line for broadcasting, having voltage of 50 V to 100 V
118	8518.50.90	-- Other
119	8518.90.20	-- Parts of articles of subheading 8518.40.10, 8518.50.10, 8518.50.20
120	8518.90.90	-- Other
121	8519.29.00	-- Other
122	8519.93.10	— For special use in cinematographic, television, broadcasting
123	8519.93.90	--- Other
124	8520.39.10	-- For special use in cinematographic, television, broadcasting
125	8520.39.90	-- Other
126	8521.10.10	-- For special use in cinematographic, television, broadcasting
127	8521.10.90	-- Other
128	8521.90.11	— For special use in cinematographic, television, broadcasting
129	8521.90.19	--- Other
130	8521.90.91	— For special use in cinematographic, television, broadcasting
131	8521.90.99	--- Other
132	8523.11.10	— Computer tape
133	8523.11.90	--- Other
134	8523.13.10	— Videotape
135	8523.20.10	-- Computer hard disks
136	8523.20.20	-- Video disks
137	8523.20.40	-- Computer diskettes
138	8524.31.10	--- For cinematographic film
139	8524.31.90	--- Other
140	8524.91.10	— For use in computer
141	8524.91.20	— Other, for data processing systems
142	8524.91.90	--- Other
143	8524.99.90	--- Other
144	8525.20.10	-- Wireless LAN
145	8525.20.20	-- Internet enabled handphones
146	8525.20.30	-- Internet enabled cellular phones
147	8525.20.40	-- Internet video conferencing equipment
148	8525.20.50	-- Digital radio relay systems
149	8525.20.60	-- Mobile data network
150	8525.20.70	-- Set top boxes which have a communication function
151	8525.20.80	-- Other cellular phones
152	8525.20.91	— Other transmission apparatus for radio-telephony or radio-telegraphy
153	8525.20.92	— Other transmission apparatus for television
154	8525.20.99	--- Other
155	8525.30.10	-- Cameras, without recording function, working in conjunction with an automatic data processing machine, the dimensions of which do not exceed 130 mm x 70 mm x 45 mm
156	8525.30.90	-- Other

**Appendix II**  
**Negative List of ASEAN Member Countries for Electronics Products Sector**

157	8525.40.10	-- Digital still image video cameras
158	8525.40.20	-- Other still image video cameras
159	8525.40.30	-- Digital camera
160	8525.40.40	-- Other video camera recorders
161	8527.12.00	-- Pocket-size radio cassette-players
162	8527.19.10	— For radio-telephony or radio-telegraphy
163	8527.19.20	— Reception apparatus capable of planning managing, and monitoring of electromagnetic spectrum
164	8527.19.90	--- Other
165	8527.21.10	— For radio-telephony or radio-telegraphy
166	8527.21.90	--- Other
167	8527.29.10	— For radio-telephony or radio-telegraphy
168	8527.29.90	--- Other
169	8527.31.10	— For radio-telephony or radio-telegraphy
170	8527.31.90	--- Other
171	8528.12.10	— Set top boxes which have a communication function
172	8528.12.20	— Printed circuit assemblies for use with ADP machines
173	8528.12.90	--- Other
174	8528.13.00	-- Black and white or other monochrome
175	8528.21.10	— FPD type monitors for video and computer data, for overhead projectors
176	8528.21.90	--- Other
177	8529.10.10	-- Aerials or antennae of a kind used with apparatus for radio-telephony and radio-telegraphy
178	8529.10.91	— For radio-telephony or radio-telegraphy
179	8529.10.92	— Transmission apparatus for radio-broadcasting or television
180	8529.10.99	--- Other
181	8529.90.11	— For cellular phones
182	8529.90.12	--- Other
183	8529.90.91	— For television
184	8529.90.92	— For radio-telephony or radio-telegraphy only
185	8529.90.93	— Other, of the goods of heading 85.28
186	8529.90.99	--- Other
187	8531.20.00	- Indicator panels incorporating liquid crystal devices (LCD) or light emitting diodes (LED)
188	8531.80.20	-- Flat panel displays (including Electro Luminescence, Plasma and other technologies) for products falling within the information Technology Agreement (ITA); paging alert devices
189	8531.90.10	-- Parts (including printed circuit assemblies) of : indicator panels incorporating liquid crystal devices (LCD) or light emitting diodes (LED); other flat panel displays (including electro-luminescence, plasma and other technologies) for products falling within the Information Technology Agreement; paging alert devices
190	8532.10.00	- 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)
191	8532.21.00	-- Tantalum
192	8532.29.00	-- Other
193	8532.30.00	• Variable or adjustable (pre-set) capacitors
194	8533.40.00	- Other variable resistors, including rheostats and potentiometers
195	8536.50.10	-- Smoke switches
196	8536.50.20	-- Over current and residual current automatic switches
197	8536.50.90	-- Other

**Appendix II**  
**Negative List of ASEAN Member Countries for Electronics Products Sector**

198	8536.69.90	--- Other
199	8536.90.10	-- Connection and contact elements for wires and cables; wafer probers
200	8536.90.20	-- Junction boxes
201	8536.90.30	-- Cable connectors consisting of a jack plug, terminal with or without pin, connector and adaptor for coaxial cable; commutator
202	8536.90.90	-- Other
203	8538.90.12	--- Parts of goods of subheadings 8536.50.50, 8536.69.30 and 8536.90.10
204	8538.90.13	--- Parts of goods of subheading 8537.10.20
205	8538.90.19	--- Other
206	8538.90.21	— Parts including printed circuit assemblies of : telephone plugs; connection and contact elements for wires and cables; wafer probers
207	8541.40.10	-- Light emitting diodes
208	8541.40.91	--- For use with articles of heading 85.25
209	8543.89.10	--- Integrated receivers / decoders (IRD) for direct broadcast multimedia systems
210	8543.89.20	— Electrical machines with translation or dictionary functions; flat panel displays (including LCD, Electro-Luminescence, Plasma and other technologies falling within the Information Technology Agreement (ITA); projection type flat panel display units used with automatic data processing machines which can display digital information generated by the central processing unit
211	8543.89.30	— Equipment for the removal of dust particles or the elimination of electrostatic charge during the manufacture of PCB/PWBs or PCAs
212	8543.89.40	— Machines for curing material by ultra-violet light for the manufacture of PCB/PWBs or PCAs
213	8543.89.50	--- Apparatus for physical deposition on flat panel display substrates
214	8543.89.60	--- Electrical mine detonators
215	8543.89.70	--- Low noise amplifiers (LNA) and low noise blocks (LNB)
216	8543.89.90	--- Other
217	8544.19.10	--- Lacquered or enamelled
218	8544.19.20	--- Manganese resistance wire
219	8544.19.90	--- Other
220	8544.20.10	-- Insulated cables fitted with connectors, for a voltage not exceeding 66,000 V
221	8544.20.20	-- Insulated cables not fitted with connectors, for a voltage not exceeding 66,000V
222	8544.20.30	-- Insulated cables fitted with connectors, for a voltage exceeding 66,000V
223	8544.20.40	-- Insulated cables not fitted with connectors, for a voltage exceeding 66,000 V
224	8544.41.11	--- Telephone cables, submarine
225	8544.41.12	--- Telephone cables, other than submarine
226 T	8544.41.13	— Telegraph and radio relay cables, submarine
227	8544.41.14	— Telegraph and radio relay cables, other than submarine
228	8544.41.15	--- Other plastic insulated electric cable having cross section not exceeding 300mm <sup>2</sup>
229	8544.41.19	— Other "
230	8544.41.91	— Plastic insulated electric cable having a cross section not exceeding 300 mm <sup>2</sup>
231	8544.41.92	— Plastic insulated electric cable having a cross section exceeding 300 mm <sup>2</sup>
232	8544.41.93	— Plastic insulated electric conductors

**Appendix II**  
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233	8544.41.94	— Controlling cables
234	8544.41.95	— Battery cables
235	8544.41.99	— Other
236	8544.49.91	— Plastic insulated electric cable having a cross section not exceeding 300 mm <sup>2</sup>
237	8544.49.92	— Plastic insulated electric cable having a cross section exceeding 300 mm <sup>2</sup>
238	8544.49.93	— Plastic insulated electric conductors
239	8544.49.94	— Controlling cables
240	8544.49.95	— Shielded wire of a kind used in the manufacture of automotive wiring harness
241	8544.49.99	— Other
242	8544.51.91	— Plastic insulated electronicsic cable having a cross section not exceeding 300 mm <sup>2</sup> [ITA1/A-098]
243	8544.51.92	— Plastic insulated electronicsic cable having a cross section exceeding 300 mm <sup>2</sup> [ITA1/A-098]
244	8544.51.93	— Plastic insulated electronicsic conductors [ITA1/A-098]
245	8544.51.94	— Controlling cables [ITA1/A-098]
246	8544.51.99	— Other [ITA1/A-098]
247	8544.59.11	- - Telephone, telegraph and radio relay cables, submarine
248	8544.59.12	— Telephone, telegraph and radio relay cables, other than submarine
249	8544.59.19	— Other
250	8544.59.91	— Plastic insulated electric cable having a cross section not exceeding 300 mm <sup>2</sup>
251	8544.59.92	- - - Plastic insulated electric cable having a cross section exceeding 300 mm <sup>2</sup>
252	8544.59.93	— Plastic insulated electric conductors
253	8544.59.94	— Controlling cables
254	8544.59.99	— Other
255	8544.60.11	— Plastic insulated electric cables having a cross section not exceeding 400 mm <sup>2</sup>
256	8544.60.19	- - - Other
257	8544.60.21	— Plastic insulated electric cables having a cross section not exceeding 400 mm <sup>2</sup>
258	8544.60.29	- - - Other
259	8544.60.31	— Plastic insulated electric cables having a cross section not exceeding 400 mm <sup>2</sup>
260	8544.60.39	- - - Other
261	8544.60.91	- - - Telephone, telegraph, radio relay cables, submarine
262	8544.60.92	— Telephone, telegraph, radio relay cables, other than submarine
263	8544.60.99	- - - Other
264	8544.70.90	- - Other
265	9009.11.90	- - - Other
266	9009.12.91	— Electrostatic photocopying apparatus, operating by reproducing the original image via an intermediate onto the copy (indirect process), operating by converting the original document into digital code
267	9009.91.00	- - Automatic document feeders
268	9009.92.00	- - Paper feeders
269	9009.93.00	- - Sorters
270	9009.99.00	- - Other
271	9010.10.10	- - Apparatus and equipment for automatically developing x-ray film



**Appendix II**

**Negative List of ASEAN Member Countries for Electronics Products Sector**

272	9010.50.10	-- Apparatus for the projection or drawing of circuit patterns on sensitized substrates for the manufacture of PCB/PWBs
273	9010.50.90	-- Other
274	9010.90.10	-- For projection screens, or for articles of subheading 9010.10.00
275	9010.90.90	-- Other
276	9011.90.10	-- Parts and accessories of optical stereoscopic and photomicrographic microscopes fitted with equipment specifically designed for the handling and transport of semiconductor wafers or reticles
277	9011.90.90	-- Other
278	9013.80.10	-- Optical error verification and repair apparatus for PCB/PWBs and PCAs
279	9013.80.20	-- Liquid crystal devices
280	9017.10.10	-- Plotters whether input or output units of HS heading 84.71 or drawing or drafting machines of HS heading 90.17
281	9017.10.90	-- Other
282	9027.80.20	-- Other, electrically operated
283	9027.80.30	-- Other, not electrically operated
284	9027.90.10	-- Parts and accessories including printed circuit assemblies of products of heading 90.27, other than for gas or smoke analysis apparatus and microtomes
285	9027.90.91	--- Electrically operated
<b>286</b>	9027.90.99	--- Other
287	9031.90.11	--- Parts and accessories including printed circuit assemblies of optical instruments inspecting semiconductor wafers or devices or for inspecting photomasks or reticles used in manufacturing semiconductor devices and optical instruments and appliances for measuring surface particulate contamination on semiconductor wafers
288	9031.90.12	--- Parts and accessories of Optical error verification and repair apparatus for PCB/PWBs and PCAs
289	9031.90.13	--- Parts and accessories of optical instruments and appliances for measuring or checking PCB/PWBs and PCAs
290	9031.90.14	--- Parts and accessories of electron beam microscopes fitted with equipment specially designed for handling and transport of semiconductor wafers or reticles
291	9031.90.19	--- Other
292	9032.89.10	--- Instruments and apparatus incorporating or working in conjunction with an automatic data processing machine, for automatically regulating or controlling the propulsion, ballast or cargo handling systems of ships
293	9032.90.10	-- Of goods of subheading 9032.89.10

**Indonesia**

No	AHTN	Description
1	8414.51.10	j-- Table fans and box fans
2	8414.51.20	--- Wall fans and ceiling fans
3	8414.51.30	--- Floor fans
4	8414.51.90	--- Other
5	8415.10.10	-- Of an output not exceeding 21.10 kW
6	8415.10.20	7-- Of an output exceeding 21.10 kW but not exceeding 26.38 kW
7	8415.83.11	---- Of an output not exceeding 21.10 kW
8	8415.83.12	---- Of an output exceeding 21.10 kW but not exceeding 26.38 kW
9	8415.83.13	---- Of an output exceeding 26.38 kW but not exceeding 52.75 kW

**Appendix II**  
**Negative List of ASEAN Member Countries for Electronics Products Sector**

10	8415.83.14	Of an output exceeding 52.75 kW
11	8450.11.10	- - - Each of a dry linen capacity not exceeding 6 kg
12	8450.19.10	- - - Each of a dry linen capacity not exceeding 6 kg
13	8509.40.00	- Food grinders or mixers; fruit or vegetable juice extractors
14	8509.80.00	i- Other appliances
15	8516.40.10	- - Of a kind designed to use steam from the industrial boiler
16	8516.40.90	- - Other
17	8516.50.00	- Microwave ovens
18	8516.60.20	- - Ovens
19	8516.79.10	- - - Kettles
20	8516.79.90	- - - Other
21	8518.29.10	- - - Box assembly speakers
22	8518.29.90	- - - Other
23	<b>8518.40.10</b>	- - Audio-frequency electric amplifiers, having 6 or more inputs signal lines, with or without elements for capacity amplifier
24	8518.50.10	- - Of an output of 240 W or more
25	8518.50.20	- - Sound amplifier sets combined with loudspeaker line for broadcasting, having voltage of 50 V to 100 V
26	8518.50.90	- - Other
27	8520.00.00	- - - Cassette recorders, with built in amplifiers and one or more built in loudspeakers, operating only with an external source of power
28	8520.33.90	- - - Other
29	8521.10.90	- - Other
30	8527.12.00	- - Pocket-size radio cassette-players
31	8527.13.00	- - Other apparatus combined with sound recording or reproducing apparatus
32	8527.31.90	- - - Other
33	8528.12.10	- - - Set top boxes which have a communication function
34	8528.12.90	- - - Other
35	8528.13.00	- - Black and white or other monochrome
36	8528.21.10	- FPD type monitors for video and computer data, for overhead projectors
37	8528.21.90	- - - Other
38	8544.41.11	- - - - Telephone cables, submarine
39	8544.41.12	- - - - Telephone cables, other than submarine
40	8544.41.13	- - - - Telegraph and radio relay cables, submarine
41	8544.41.14	- - - - Telegraph and radio relay cables, other than submarine
42	8544.41.15	- - - - Other plastic insulated electric cable having cross section not exceeding 300mm <sup>2</sup>
43	8544.41.19	- - - - Other"
44	8544.41.01	- - - - Plastic insulated electric cable having a cross section not exceeding 300 mm <sup>2</sup>
45	8544.41.92	- - - - Plastic insulated electric cable having a cross section exceeding 300 mm <sup>2</sup>
46	8544.41.93	i - - - - Plastic insulated electric conductors
47	8544.49.11	- - - - Telephone, telegraph and radio relay cables, submarine
48	8544.49.12	- - - - Telephone, telegraph and radio relay cables, other than submarine
49	8544.49.19	- - - - Other
50	8544.51.11	- - - - Telephone, telegraph and radio relay cables, submarine [ITA1/A-098]
51	8544.51.12	- - - - Telephone, telegraph and radio relay cables, other than submarine [ITA1/A-098]
52	8544.51.19	- - - - Other [ITA1/A-098]

Appendix II

Negative List of ASEAN Member Countries for Electronics Products Sector

No	AHTN	Description
J	8509.40.00	- Food grinders or mixers; fruit or vegetable juice extractors
2	8509.80.00	j- Other appliances
3	8509.90.10	j- - Of the goods of subheading 8509.10.00 or 8509.20.00
4	8509.90.20	- - Of the goods of subheading 8509.30.00, 8509.40.00 or 8509.80.00
5	8516.60.20	-- Ovens
6	8516.60.90	-- Other
7	8524.39.90	--- Other
	88524.99.90	-- -Other
γ	8529.10.20	- - Parabolic aerial reflector dish for direct broadcast multi-media systems and parts thereof
10	8539.31.10	— Tubes for compact fluorescent lamps
11	8539.31.20	--- TL/ fluorescent lamps in straight or circular form
12	8544.20.10	-- Insulated cables fitted with connectors, for a voltage not exceeding 66,000 V
13	8544.20.20	-- Insulated cables not fitted with connectors, for a voltage not exceeding 66,000V
14	8544.41.91	— Plastic insulated electric cable having a cross section not exceeding 300 mm <sup>2</sup>
15	8544.41.92	— Plastic insulated electric cable having a cross section exceeding 300 mm <sup>2</sup>
16	8544.41.93	— Plastic insulated electric conductors
17	8544.41.94	---- Controlling cables
18	8544.41.95	— Battery cables
19	8544.41.99	---- Other
20	8544.49.91	---- Plastic insulated electric cable having a cross section not exceeding 300 mm <sup>2</sup>
21	8544.49.92	---- Plastic insulated electric cable having a cross section exceeding 300 mm <sup>2</sup>
22	8544.49.93	---- Plastic insulated electric conductors
23	8544.49.94	---- Controlling cables
24	8544.49.95	— Shielded wire of a kind used in the manufacture of automotive wiring harness
25	8544.49.99	---- Other
26	8544.51.19	---- Other [ITA1/A-098]
27	8544.51.91	— Plastic insulated electronicsic cable having a cross section not exceeding 300 mm <sup>2</sup> [ITA1/A-098]
OR 28	8544.51.92	— Plastic insulated electronicsic cable having a cross section exceeding 300 mm <sup>2</sup> [ITA1/A-098]
29	8544.51.93	---- Plastic insulated electronicsic conductors [ITA1/A-098]
30	8544.51.94	---- Controlling cables [ITA1/A-098] 1] J
31	8544.51.99	---- Other [ITA1/A-098]
32	8544.59.12	---- Telephone, telegraph and radio relay cables, other than submarine •••
33	8544.59.91	F — Plastic insulated electric cable having a cross section not exceeding 300 mm <sup>2</sup>
34	8544.59.92	— Plastic insulated electric cable having a cross section exceeding 300 mm <sup>2</sup>
35	8544.59.93	I- - - - Plastic insulated electric conductors
36 T	8544.59.94	---- Controlling cables

**Appendix II**  
**Negative List of ASEAN Member Countries for Electronics Products Sector**

37	8544.59.99	---- Other
38	8544.60.11	--- Plasticinsulated electric cables having a cross section not exceeding 400 mm <sup>2</sup>
39	8544.60.21	--- Plastic insulated electric cables having a cross section not exceeding 400 mm <sup>2</sup>
40	8544.60.29	--- Other
41	8544.60.31	--- Plastic insulated electric cables having a cross section not exceeding 400 mm <sup>2</sup>
42	8544.60.39	- - Other
43	8544.60.91	--- Telephone, telegraph, radio relay cables, submarine
44	8544.60.92	--- Telephone, telegraph, radio relay cables, other than submarine
45	8544.60.99	--- Other

**Myanmar**

No	AHTN	Description
1	8414.51.10	--- Table fans and box fans
2	8414.51.20	--- Wall fans and ceiling fans
3	8414.51.30	--- Floor fans
4	8414.51.90	---
5	8415.10.10	-- Of an output not exceeding 21.10 kW
6	8415.10.20	T Of an output exceeding 21.10 kW but not exceeding 26.38 kW
7	8415.10.30	-- of an output exceeding 26.38 kW but not exceeding 52.75 kW
8	8415.10.40	-- Of an output exceeding 52.75 kW
9	8418.21.00	-- Compression-type
10	8450.11.10	--- Each of a dry linen capacity not exceeding 6 kg
11	8450.11.20	--- Each of a dry linen capacity exceeding 6 kg
12	8517.11.00	-- Line telephone sets with cordless handsets
13	8517.19.10	--- Telephone sets
14	8517.19.20	--- Videophones
15	8528.12.10	---- Set top boxes which have a communication function
16	8528.12.20	--- Printed circuit assemblies for use with ADP machines
17	8528.12.90	---
18	8543.89.60	--- Electrical mine detonators
19	8544.11.10	--- Lacquered or enamelled:
20	8544.11.20	--- Covered with paper, textile material or PVC
21	8544.11.30	--- Lacquered or enamelled and covered with paper, textile material or PVC
22	8544.11.40	--- Other, rectangular cross-section and without connectors
23	8544.11.90	--- Other
24	8544.19.10	--- Lacquered or enamelled
25	8544.19.20	--- Manganese resistance wire
26	8544.19.90	--- Other
27	8544.20.10	-- Insulated cables fitted with connectors, for a voltage not exceeding 66,000 V
28	8544.20.20	-- Insulated cables not fitted with connectors, for a voltage not exceeding 66,000V
29	8544.20.30	-- insulated cables fitted with connectors, for a voltage exceeding 66,000V
30	8544.20.40	-- Insulated cables not fitted with connectors, for a voltage exceeding 66,000 V
31	8544.30.10	-- Wiring harnesses for motor vehicles
32	8544.30.90	-- Other

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33	8544.41.11	— Telephone cables, submarine
34	8544.41.12	— Telephone cables, other than submarine
35	8544.41.13	— Telegraph and radio relay cables, submarine
36	8544.41.14	— Telegraph and radio relay cables, other than submarine
37	8544.41.15	— Other plastic insulated electric cable having cross section not exceeding 300mm <sup>2</sup>
38	8544.41.19	— Other
39	8544.41.91	— Plastic insulated electric cable having a cross section not exceeding 300 mm <sup>2</sup>
40	8544.41.92	----- Plastic insulated electric cable having a cross section exceeding 300 mm <sup>2</sup>
41	8544.41.93	— Plastic insulated electric conductors
42	8544.41.94	— Controlling cables
43	8544.41.95	— Battery cables
44	8544.41.99	— Other
45	8544.49.11	— Telephone, telegraph and radio relay cables, submarine
46	8544.49.12	— Telephone, telegraph and radio relay cables, other than submarine
47	8544.49.19	----- Other
48	8544.49.91	— Plastic insulated electric cable having a cross section not exceeding 300 mm <sup>2</sup>
49	8544.49.92	— Plastic insulated electric cable having a cross section exceeding 300 mm <sup>2</sup>
50	8544.49.93	— Plastic insulated electric conductors
51	8544.49.94	— Controlling cables
52	8544.49.95	— Shielded wire of a kind used in the manufacture of automotive wiring harness
53	8544.49.99	— Other
54	8544.51.11	— Telephone, telegraph and radio relay cables, submarine [ITA1/A-098]
55	8544.51.12	— Telephone, telegraph and radio relay cables, other than submarine [ITA1/A-098]
56	8544.51.19	----- Other [ITA1/A-098]
57	8544.51.91	— Plastic insulated electronicsic cable having a cross section not exceeding 300 mm <sup>2</sup> [ITA1/A-098]
58	8544.51.92	— Plastic insulated electronicsic cable having a cross section exceeding 300 mm <sup>2</sup> [ITA1/A-098]
59	8544.51.93	— Plastic insulated electronicsic conductors [ITA1/A-098]
60	8544.51.94	— Controlling cables [ITA1/A-098]
61	8544.51.99	----- Other [ITA1/A-098J]
62	8544.59.11	— Telephone, telegraph and radio relay cables, submarine
63	8544.59.12	----- Telephone, telegraph and radio relay cables, other than submarine
64	8544.59.19	----- Other
65	8544.59.91	— - Plastic insulated electric cable having a cross section not exceeding 300 mm <sup>2</sup>
66	8544.59.92	— Plastic insulated electric cable having a cross section exceeding 300 mm <sup>2</sup>
67	8544.59.93	— Plastic insulated electric conductors
68	8544.59.94	— Controlling cables
69	8544.59.99	— Other
70	8544.60.11	— Plastic insulated electric cables having a cross section not exceeding 400 mm <sup>2</sup>
71	8544.60.19	----- Other

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72	8544.60.21	— Plastic insulated electric cables having a cross section not exceeding 400 mm <sup>2</sup>
73	8544.60.29	--- Other
74	8544.60.31	— Plastic insulated electric cables having a cross section not exceeding 400 mm <sup>2</sup>
75	8544.60.39	--- Other
76	8544.60.91	— Telephone, telegraph, radio relay cables, submarine
77	8544.60.92	— Telephone, telegraph, radio relay cables, other than submarine
78	8544.60.99	--- Other
79	8544.70.10	-- Telephone, telegraph and radio relay cables, submarine
80	8544.70.20	-- Telephone, telegraph and radio relay cables, other than submarine
81	8544.70.90	-- Other
82	9001.30.00	- Contact lenses

**Philippines**

No	AHTN	Description
1	8415.20.00	- Of a kind used for persons, in motor vehicles
2	8544.30.10	- - Wiring harnesses for motor vehicles

**Thailand**

No	AHTN	Description
1	3909.20.10	-- Moulding compound
2	3909.50.00	- Polyurethanes
3	7321.11.10	— Kitchen stove, ranges, ovens, cookers
4	7321.11.90	--- Other
5	7321.12.00	-- For liquid fuel
6	7321.13.00	-- For solid fuel
7	7321.81.00	-- For gas fuel or for both gas and other fuels
8	7321.82.00	-- For liquid fuel
9	7321.83.00	-- For solid fuel
10	7321.90.00	- Parts
11	8414.30.11	--- For air conditioning machines
12	8414.30.19	--- Other
13	8414.30.91	--- For air conditioning machines
14	8414.30.99	--- Other
15	8414.51.10	--- Table fans and box fans
16	8414.51.20	— Wall fans and ceiling fans
17	8414.51.30	— Floor fans
18	8414.51.90	--- Other
19	8415.10.10	-- Of an output not exceeding 21.10 kW
20	8415.10.20	-- Of an output exceeding 21.10 kW but not exceeding 26.38 kW
21	8415.10.30	-- Of an output exceeding 26.38 kW but not exceeding 52.75 kW
22	8415.10.40	-- Of an output exceeding 52.75 kW
23	8415.81.12	— Of an output exceeding 21.10 kW but not exceeding 26.38 kW
24	8415.81.13	— Of an output exceeding 26.33 kW but not exceeding 52.75 kW
25	8415.81.14	— Of an output exceeding 52.75 kW
26	8415.81.21	— Of an output not exceeding 21.10 kW
27	8415.81.22	— Of an output exceeding 21.10 kW but not exceeding 26.38 kW
28	8415.81.23	— Of an output exceeding 26.38 kW but not exceeding 52.75 kW
29	8415.81.24	— Of an output exceeding 52.75 kW

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30	8415.81.31	— Of an output not exceeding 21.10 kW
31	8415.81.32	— Of an output exceeding 21.10 kW but not exceeding 26.38 kW
32	8415.81.33	- - Of an output exceeding 26.38 kW but not exceeding 52.75 kW
33	8415.81.34	) — Of an output exceeding 52.75 kW
34	8415.81.91	— Of an output not exceeding 21.10 kW
35	8415.81.92	— Of an output exceeding 21.10 kW but not exceeding 26.38 kW
36	8415.81.93	— Of an output exceeding 26.38 kW but not exceeding 52.75 kW
37	8415.81.94	— Of an output exceeding 52.75 kW
38	8415.82.11	— Of an output not exceeding 21.10 kW
39	8415.82.12	— Of an output exceeding 21.10 kW but not exceeding 26.38 kW
40	8415.82.13	— Of an output exceeding 26.38 kW but not exceeding 52.75 kW
41	8415.82.14	- - Of an output exceeding 52.75 kW
42	8415.82.21	— Of an output not exceeding 21.10 kW
43	8415.82.22	— Of an output exceeding 21.10 kW but not exceeding 26.38 kW
44	8415.82.23	— Of an output exceeding 26.38 kW but not exceeding 52.75 kW
" 45	8415.82.24	— Of an output exceeding 52.75 kW
46	8415.82.31	— Of an output not exceeding 21.10 kW
47	8415.82.32	— Of an output exceeding 21.10 kW but not exceeding 26.38 kW
48	8415.82.33	— Of an output exceeding 26.38 kW but not exceeding 52.75 kW
49	8415.82.34	— Of an output exceeding 52.75 kW
50	8415.82.91	— Of an output not exceeding 21.10 kW
51	8415.82.92	- - Of an output exceeding 21.10 kW but not exceeding 26.38 kW
52	8415.82.93	— Of an output exceeding 26.38 kW but not exceeding 52.75 kW
53	8415.82.94	— Of an output exceeding 52.75 kW
54	8418.10.10	- - Household type
55	8418.10.90	- - Other
56	8418.21.00	- - Compression-type
57	8418.22.00	- - Absorption-type, electrical
58	8418.29.00	- - Other
59	8418.30.10	- - Not exceeding 200 l capacity
60	8418.30.20	- - Exceeding 200 l but not exceeding 800 l capacity
61	8418.40.10	- - Not exceeding 200 l capacity
62	8418.40.20	- - Exceeding 200 l but not exceeding 900 l capacity
63	8418.50.22	— Refrigerating chamber
64	8418.69.10	— Beverage coolers
65	8450.11.10	— Each of a dry linen capacity not exceeding 6 kg
66	8450.11.20	- - - Each of a dry linen capacity exceeding 6 kg
67	8450.12.10	- - - Each of a dry linen capacity not exceeding 6 kg
68	8450.12.20	— Each of a dry linen capacity exceeding 6 kg
69	8450.20.00	- Machines, each of a dry linen capacity exceeding 10 kg
70	8501.10.11	— Stepper motors
71	8501.10.12	- - - Spindle motors
72	8501.10.19	- - - Other
73	8501.10.91	— Stepper motors
"74"	8501.10.92	— Spindle motors
75	8501.10.99	- - - Other
76	8504.10.00	- Ballasts for discharge lamps or tubes
77	8504.21.10	— Step-voltage regulators: instrument transformers with handling capacity not exceeding 5kVA (Philippines provided SEN on "Step-voltage regulators")
78	8504.21.91	— Having a power handling capacity exceeding 10 kVA
79	8504.21.99	— Other

**Appendix II**  
**Negative List of ASEAN Member Countries for Electronics Products Sector**

80	8504.22.19	— Other
81	8504.22.90	- - - Other
82	8504.31.10	— Instrument potential transformers
83	8504.31.20	— Instrument current transformers
84	8504.31.30	— Flyback transformers
85	8504.31.40	— Intermediate frequency transformers
86	8504.31.50	— Step up/down transformers, slide regulators, stabilisers
87	8504.31.90	- - - Other
88	8504.32.10	— Instruments transformers, (potential and current) of a power handling capacity not exceeding 5kVA
89	8504.32.20	— Used with toys, scale models or similar recreational models
90	8504.32.30	— Other, high frequency
91	8504.32.91	— Of a power handling capacity not exceeding 10 kVA
92	8504.32.99	— Of a power handling capacity exceeding 10 kVA
93	8504.33.90	- - - Other
94	8504.34.11	— Having a power handling capacity exceeding 10,000 kVA or of high side voltage of 66,000 volts or more
95	8504.34.19	— Other
96	8504.50.12	— Other chip type fixed inductors
97	8504.50.19	- - - Other
98	8504.50.21	— Inductors for power supplies for automatic data processing machines and units thereof, and telecommunication apparatus
99	8504.50.22	— Other chip type fixed inductors
100	8504.50.29	- - - Other
101	8504.50.91	— Chip type fixed inductors
102	8504.50.99	- - - Other
103	8506.10.10	- - Having external volume not exceeding 300 cm <sup>3</sup>
104	8506.10.90	- - Other
105	8506.80.11	— Having external volume not exceeding 300 cm <sup>3</sup>
106	8506.80.19	- - - Other
107	8506.80.91	- - - Having external volume not exceeding 300 cm <sup>3</sup>
108	8506.80.99	- - - Other
109	8516.10.10	- - Electric instantaneous water heaters
110	8516.10.20	- - Electric storage water heaters
111	8516.10.30	- - immersion heaters
112	8516.40.10	- • Of a kind designed to use steam from the industrial boiler
113	8516.40.90	- - Other
114	8516.50.00	- Microwave ovens
115	8516.60.10	- - Rice cookers
116	8516.60.20	- - Ovens
117	8516.60.90	- - Other
118	8516.79.10	- - - Kettles
119	8516.79.90	- - - Other
120	8518.29.10	— Box assembly speakers
121	8518.29.20	— Loudspeakers, without housing, having a frequency range of 300 to Hz 3,4kHz with a diameter of not exceeding 50 mm, for telecommunication use
122	8518.29.90	- - - Other
123	8518.40.10	- - Audio-frequency electric amplifiers, having 6 or more inputs signal lines, with or without elements for capacity amplifier
124	8518.40.20	- - Electric amplifiers when used as repeaters in line telephony products falling within the Information Technology Agreement



**Appendix II**  
**Negative List of ASEAN Member Countries for Electronics Products Sector**

125	8518.40.30	-- Audio frequency amplifiers used as repeaters in telephony other than line telephony
126	8518.40.90	-- Other
127	8519.99.10	— Cinematographic sound reproducers
128	8519.99.20	— For special use in television, broadcasting
129	8519.99.30	— Compact disc players
130	8519.99.90	--- Other
131	8520.32.10	-- For special use in cinematographic, television, broadcasting
132	8520.32.90	-- Other
133	8520.39.10	-- For special use in cinematographic, television, broadcasting
134	8520.39.90	-- Other
135	8520.90.10	-- Cinematographic sound recording apparatus
136	8520.90.90	-- Other
137	8521.90.11	— For special use in cinematographic, television, broadcasting
138	8521.90.19	--- Other
139	8527.13.00	-- Other apparatus combined with sound recording or reproducing apparatus
140	8527.19.10	— For radio-telephony or radio-telegraphy
141	8527.19.20	--- Reception apparatus capable of planning managing, and monitoring of electromagnetic spectrum
142	8527.19.90	--- Other
143	8527.21.10	— For radio-telephony or radio-telegraphy
144	8527.21.90	--- Other
145	8527.31.10	— For radio-telephony or radio-telegraphy
146	8527.31.90	--- Other
147	8528.12.10	— Set top boxes which have a communication function
148	8528.12.20	— Printed circuit assemblies for use with ADP machines
149	8528.12.90	--- Other
150	8528.30.10	-- Having capacity for projecting on the screen of 300 inch or more
151	8528.30.20	-- FPD type video and computer data projectors
152	8528.30.90	-- Other
153	8529.10.20	-- Parabolic aerial reflector dish for direct broadcast multi-media systems and parts thereof
154	8529.90.20	-- For decoders, other than those of 8529.90.10
155	8529.90.33	--- For the goods of 8525.10, 8525.20, 8527.13, 8527.19, 8527.21, 8527.29, 8527.31, 8527.39 or 8527.90 (not for radio-telephony or radio-telegraphy)
156	8529.90.35	--- For the goods of 85.26 or 85.28
157	8529.90.37	--- For the goods of 8527.12 or 8527.32
158	8529.90.39	--- Other
159	8529.90.91	— For television
160	8537.10.10	-- Switchboards and control panels
161	8537.10.20	-- Distribution boards (including back panels and back planes) for use solely or principally with goods of headings 84.71, 85.17 or 85.25
162	8537.10.30	-- Programmable logic controllers for automated machines for transport, handling and storage of dies for semiconductor devices
163	8537.10.90	-- Other
164	8537.20.10	-- Switchboards
165	8537.20.20	-- Control panels
166	8537.20.90	-- Other
167	8538.10.11	— Parts of programmable logic controllers for automated machines for transport, handling and storage of dies for semiconductor devices
168	8538.10.19	--- Other

Appendix II  
Negative List of ASEAN Member Countries for Electronics Products Sector

169	8538.10.21	Parts of programmable logic controllers for automated machines for transport, handling and storage of dies for semiconductor devices
170	8538.10.29	--- Other
171	8540.11.10	--- Flat monitor
172	8540.11.90	--- Other ZZ 1
173	8544.11.10	--- Lacquered or enamelled:
174	8544.11.20	--- Covered with paper, textile material or PVC
175	8544.11.30	--- Lacquered or enamelled and covered with paper, textile material or PVC
176	8544.11.40	--- Other, rectangular cross-section and without connectors
177	8544.11.90	--- Other Z
178	8544.19.10	--- Lacquered or enamelled
179	8544.19.20	--- Manganese resistance wire
180	8544.19.90	--- Other
181	8544.20.10	-- Insulated cables fitted with connectors, for a voltage not exceeding 66,000 V
182	8544.20.20	-- Insulated cables not fitted with connectors, for a voltage not exceeding 66,000V
183	8544.20.30	--- Insulated cables fitted with connectors, for a voltage exceeding 66,000V
184	8544.20.40	i - Insulated cables not fitted with connectors, for a voltage exceeding 66,000 V
185	8544.30.10	-- Wiring harnesses for motor vehicles
186	8544.30.90	Z: Other
187	8544.41.11	--- Telephone cables, submarine
188	8544.41.12	--- telephone cables, other than submarine
189	8544.41.13	---- Telegraph and radio relay cables, submarine
190	8544.41.14	--- Telegraph and radio relay cables, other than submarine
191	8544.41.15	--- Other plastic insulated electric cable having cross section not exceeding 300mm <sup>2</sup>
192	8544.41.19	---- Other Z ZZ
193	3544.41.91	--- Plastic insulated electric cable having a cross section not exceeding 300 mm <sup>2</sup>
194	8544.41.92	--- Plastic insulated electric cable having a cross section exceeding 300 mm <sup>2</sup>
195	8544.41.93	---- Plastic insulated electric conductors
196	8544.41.94	---- Controlling cables 2 Z
197	8544.41.95	---- Battery cables Z Z
198	8544.41.99	j - - - other Z" Z"
199	8544.49.11	--- Telephone, telegraph and radio relay cables, submarine
200	8544.49.12	---- Telephone, telegraph and radio-relay cables, other than submarine
201	8544.49.19	---- Other
202	8544.49.91	---- Plastic insulated electric cable having a cross section not exceeding 300 mm <sup>2</sup>
203	8544.49.92	---- Plastic insulated electric cable having a cross section exceeding 300 mm <sup>2</sup>
204	8544.49.93	---- Plastic insulated electric conductors
205	8544.49.94	j - - - Controlling cables
206	8544.49.95	---- Shielded wire of a kind used in the manufacture of automotive wiring harness
207	8544.49.99	---- Other ..... ZZ
208	8544.51.11	---- Telephone, telegraph and radio relay cables, submarine [ITA1/A-098]

**Appendix II**  
**Negative List of ASEAN Member Countries for Electronics Products Sector**

209	8544.51.12	---- Telephone, telegraph and radio relay cables, other than submarine [ITA1/A-098]
210	8544.51.19	---- Other [ITA1/A-098]
211	8544.51.91	--- Plastic insulated electronicsic cable having a cross section not exceeding 300 mm <sup>2</sup> [ITA1/A-098]
212	8544.51.92	---- Plastic insulated electronicsic cable having a cross section exceeding 300 mm <sup>2</sup> [ITA1/A-098]
213	8544.51.93	---- Plastic insulated electronicsic conductors [ITA1/A-098]
214	8544.51.94	---- Controlling cables [ITA1/A-098]
215	8544.51.99	---- Other [ITA1/A-098]
216	8544.59.11	---- Telephone, telegraph and radio relay cables, submarine
217	8544.59.12	--- Telephone, telegraph and radio relay cables, other than submarine
218	8544.59.19	--- Other ~
219	8544.59.91	--- Plastic insulated electric cable having a cross section not exceeding 300 mm <sup>2</sup>
220	8544.59.92	--- Plastic insulated electric cable having a cross section exceeding 300 mm <sup>2</sup>
221	8544.59.93	--- Plastic insulated electric conductors
222	8544.59.94	--- Controlling cables
223	8544.59.99	--- Other
224	8544.60.11	--- Plastic insulated electric cables having a cross section not exceeding 400 mm <sup>2</sup>
225		
226	8544.60.21	--- Plastic insulated electric cables having a cross section not exceeding 400 mm <sup>2</sup>
227	8544.60.29	--- Other
228	8544.60.31	--- Plastic insulated electric cables having a cross section not exceeding 400 mm <sup>2</sup>
229	8544.60.39	--- Other
230	8544.60.91	--- Telephone, telegraph, radio relay cables, submarine
231	8544.60.92	--- Telephone, telegraph, radio relay cables, other than submarine
232	8544.60.99	--- Other
233	8544.70.20	-- Telephone, telegraph and radio relay cables, other than submarine
234	8544.70.90	-- Other
235	9032.10.10	-- Electrically operated
236	9032.10.20	-- Not electrically operated

Viet Nam		
No	AHTN	Description
1	8414.51.10	Table fans and DOX fans
2	8414.51.20	--- Wall fans and ceiling fans
3	8414.51.30	--- Floor fans
4	3414.51.90	--- Other
5	8415.10.10	-- Of an output not exceeding 21.10 kW
6	8415.10.20	-- Of an output exceeding 21.10 kW but not exceeding 26.38 kW
7	8415.81.11	--- Of an output not exceeding 21.10 kW
8	8415.81.12	--- Of an output exceeding 21.10 kW but not exceeding 26.38 kW
9	8415.81.21	--- Of an output not exceeding 21.10 kW
10	8415.81.22	--- Of an output exceeding 21.10 kW but not exceeding 26.38 kW
11	8415.81.91	--- Of an output not exceeding 21.10 kW

**Appendix II**  
**Negative List of ASEAN Member Countries for Electronics Products Sector**

12	8415.81.92	----- Of an output exceeding 21.10 kW but not exceeding 26.38 kW
13	8415.82.11	----- Of an output not exceeding 21.10 kW
14	8415.82.12	----- Of an output exceeding 21.10 kW but not exceeding 26.38 kW
15	8415.82.21	----- Of an output not exceeding 21.10 kW
16	8415.82.22	----- Of an output exceeding 21.10 kW but not exceeding 26.38 kW
17	8415.83.11	----- Of an output not exceeding 21.10 kW
18	8415.83.12	----- Of an output exceeding 21.10 kW but not exceeding 26.38 kW
19	8415.83.21	----- Of an output not exceeding 21.10 kW
20	8415.83.22	----- Of an output exceeding 21.10 kW but not exceeding 26.38 kW
21	8415.83.91	----- Of an output not exceeding 2110 kW
22	8415.83.92	----- Of an output exceeding 21.10 kW but not exceeding 26.38 kW
23	8418.10.10	-- Household type
24	8418.21.00	-- Compression-type
25	8418.22.00	-- Absorption-type, electrical
26	8418.29.00	-- Other
27	8418.30.10	-- Not exceeding 200 l capacity
28	8418.40.10	-- Not exceeding 200 l capacity
29	8418.50.19	----- Other
30	8450.11.10	--- Each of a dry linen capacity not exceeding 6 kg
31	8450.11.20	--- Each of a dry linen capacity exceeding 6 kg
32	8450.12.10	--- Each of a dry linen capacity not exceeding 6 kg
33	8450.12.20	--- Each of a dry linen capacity exceeding 6 kg
34	8450.19.10	--- Each of a dry linen capacity not exceeding 6 kg
35	8450.19.20	--- Each of a dry linen capacity exceeding 6 kg
36	8450.20.00	j- Machines, each of a dry linen capacity exceeding 10 kg
37	8450.90.10	-- Of the goods of subheading 8450.2.0
38	8450.90.20	-- Of the goods of subheading 8450.11, 8450.12 or 8450.19
39	8509.10.00	j- Vacuum cleaners, including dry and wet vacuum cleaners
40	8509.20.00	- Floor polishers
41	8519.10.00	- Coin- or disc-operated record-players
42	9504.10.00	- Video games of a kind used with a television receiver