



Product Portfolio		 
Product: ELECTRONICS	Document Number: CID 04	
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SECTOR	Electronics
SECTOR/SUBSECTOR:	Components/Devices (Semiconductors), EDP, Automotive Electronics, Communication/Radar, Consumer Electronics, Control & Instrumentation, Medical/Industrial Instrumentation, Office Equipment, and Telecommunication
Background/History	<p>The electronics industry of the Philippines plays a pivotal role in the development of the economy. It is one of the country's main sources of export revenues and domestic employment. Over the past 30 years, the industry has built up an impressive export performance to become the top dollar earner of the country today. Moreover, it offers lucrative trade and investments opportunities.</p> <p>The beginnings of the Philippine electronics industry can be traced back to the time when industrialized nations relocated their production facilities in third world countries due to escalating cost of production. The Philippines with its highly trained yet inexpensive labor and attractive government incentives, was considered an ideal relocation site. Other factors taken into consideration were the country's geographical location, being at the crossroads of international trade, and the establishment of export processing zones.</p> <p>The Philippines is home to about 420 multinational companies and Filipino-owned semiconductor and electronics companies. The Filipino firms are accepted to have expertise in back-end semiconductor operations, assembly, and test manufacturing.</p> <p>In 2018, the electronics exports amounted to record-high \$37.6 billion which contributed 56 percent of the country's total commodity exports.</p>
Description	Electronics is the branch of physics, engineering and technology dealing with electrical circuits that involve active electrical components such as vacuum tubes, transistors, diodes and integrated circuits, and associated passive interconnection technologies.

	<p>Semiconductor Manufacturing Service:</p> <p>Components/Devices (Semiconductors) 7108, 8504, 8518, 8529, 8531, 8532, 8533, 8534, 8536, 8540-42, 9022, 9803, 9812 Ex. Electronic integrated circuits, metal oxide semiconductors (MOS technology), photovoltaic cells, diodes, transistors, parts</p> <p>Electronic Manufacturing Service:</p> <p>Electronic Data Processing/8471, 8473, 8523, 9017 Ex: Hard disk drives, parts and accessories, optical disk drive, storage devices, printers, card reader, automatic data processing machines</p> <p>Automotive Electronics/ 8512, 8518, 8527, 8708 Ex: horns and sirens, electrical lighting and signaling equipment, horns and sirens, reception apparatus, other parts and accessories</p> <p>Communication/Radar/8525, 8526, 8527, 8529 Ex: Internet enabled handphones, radar apparatus, aerials, dials and assemblies</p> <p>Consumer Electronics/8525-27, 8529 Ex: Parts of transmission apparatus, reception apparatus, parts of headphones/earphones,</p> <p>Control & Instrumentation/9010-12, 9016-17, 9023, 9026-27, 9030-33 Ex: Electronic sensor cluster for chassis, automatic regulating instruments, parts of electrically operated instruments, balances, other microscopes, exposure meters</p> <p>Medical/Industrial Instrumentation/8530-31, 8543, 9018, 9021-22 Ex: Other electric sound and signalling apparatus, X-ray apparatus, parts of X-ray apparatus, ultrasonic scanning apparatus, parts of other medical</p> <p>Office Equipment/ 8473, 8470, 8472, 9009, 9003 Ex: parts and accessories of headings no. 84.72, other office machines, calculating machines, parts & accessories of automatic document feeders</p> <p>Telecommunication/ 8529, 8517, 8544 Ex: parts and accessories of headings no. 85.25-85.28, parts for line telephony or line telegraphy, other electric conductors, co-axial cable, aerial & aerial reflectors</p>
<p>Comparative Landscape</p>	<p>Philippine electronics firms are engaged in both semiconductor manufacturing service (SMS) and electronics manufacturing service (EMS). SMS refers to the production of electronic devices' semiconductors and components- from design to assembly. EMS</p>

	<p>involves the manufacture on the contract basis, including circuit boards, electronic assemblies, and complete systems.</p> <p>The Philippines is home to about 420 multinational companies and Filipino-owned semiconductor and electronics companies.</p> <p>There are existing government support such as ADMATEL (Advanced Device and Materials Testing Lab), EPDC (Philippine Electronic Product Development Center), and Industry roadmap (PATHS-Product and Technology Holistic Strategy).</p>
2018 Total Philippine Exports	<p>Electronics : USD37,569,103,297</p> <p>Subsectors:</p> <p>Semiconductors – \$27,707,452,181(73.7% share) Electronic Data Processing – \$6,245,730,234 (16.6%) Control & Instrumentation - \$889,092,236 (2.4%) Office Equipment - \$817,109,836 (2.2%) Telecommunication - \$591,155,953(1.6%) Consumer Electronics - \$588,960,441(1.6%) Communication/Radar - \$560,439,137 (1.5%) Automotive Electronics - \$113,070,318 (0.3%) Medical/Industrial Instrumentation - \$56,092,961 (0.2%)</p> <p>Source: PSA processed by DTI-EMB as of March 4, 2019</p>
2018 Top three (3) Export Market	<p>Top Markets</p> <ul style="list-style-type: none"> ● Hong Kong - \$7,947,402,017 (21.2% share) ● United States of America – \$5,113,516,909 (13.6%) ● China - \$4,946,628,085 (13.2%)
Known Brands (MNC)	<p>Known Brands</p> <ul style="list-style-type: none"> ● Continental ● Panasonic ● Toshiba ● Epson
Known Exporters	<p>Known Exporters</p> <ul style="list-style-type: none"> ● Texas Instruments, Inc. ● Amkor Technology Philippines, Inc. ● Toshiba Information Equipment, Inc. ● A C P Test Company Inc. ● Maxim Philippine Operating Corp.
Known Business Support Organizations (BSOs)/Associations	<p>SEMICONDUCTOR AND ELECTRONICS INDUSTRIES IN THE PHILIPPINES FOUNDATION, INC. (SEIPI) 14th Floor, Tower 2, Insular Life Bldg. Center Insular Drive, Filinvest Corporate City, Alabang, Muntinlupa City, Metro Manila Website: www.seipi.org.ph</p>

	<p>Mr. Dan C. Lachica President Tel.: (+632) 236.5555 to 58 Telefax: (+632) 869.0000 E-mail: dclachica@seipi.org.ph</p> <p>ELECTRONICS INDUSTRIES ASSOCIATION OF THE PHILIPPINES, INC. (EIAPI) Address: Unit 10, Gnd Flr., TBI Bldg., ASTI Compound C.P. Garcia Ave., Diliman Quezon City, Philippines Mr. Earl Qua President Tels.: (632) 584-2011 / (632) 861-7565 Fax: (632) 584-2011 Cell: 0998-792-4033 Website: www.eiapi.org.ph Email address: info@eiapi.org.ph</p> <p>PHILIPPINE APPLIANCE INDUSTRY ASSOCIATION, INC. (PAIA) 17 A Fernando St., Marulas, Valenzuela City Mr. Peter Villanueva President Mobile: (+63) 917.5873155 (+63) 925.8561619 Email: philappliance@gmail.com</p>
EMB Initiatives	<ol style="list-style-type: none"> 1. Membership in the Sectoral Working Group for Electronics 2. Continuing collaboration with electronics industry/ SEIPI on projects for export development and promotion e.g. PSECE, OBMM and IBMM.