Malaysian Industrial Development Authority
Block 4, Plaza Sentral, Jalan Stesen Sentral 5
Kuala Lumpur Sentral
50470 Kuala Lumpur, Malaysia.
Website: http://www.mida.gov.my
Tel: (603) 2267 3633    Fax: (603) 2274 8463
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Electronics manufacturing services (EMS) providers are assuming an increasingly important role and making a significant impact on manufacturing industries worldwide today.

EMS companies function as strategic partners to larger Original Equipment Manufacturers (OEMs) by providing them with a full range of services which include contract design, prototyping, final system assembly, configuration, order fulfillment, and repair and after-market services. By using the services of EMS providers, OEMs can concentrate on their core competencies such as research and product development, brand building, sales and marketing.

Outsourcing to EMS providers also enables OEMs to gain access to the latest equipment, process knowledge and manufacturing know-how without having to make substantial capital investments as capital risks are converted into variable costs.

The trend in manufacturing partnership has been growing steadily as OEMs strive to cut costs to maintain their competitive advantage in the face of rapidly changing market conditions, technological advances and global competition.

The EMS industry first appeared some 30 years ago and has flourished since. Consolidation within the industry has led to the emergence of a few well-known multi-billion dollar ‘tier one’ companies with worldwide operations such as Solectron, Flextronics, Celestica, Jabil, Plexus and Sanmina-SCI.

According to San Jose-based market research firm Electronic Trend Publications, revenue for the global EMS market totaled US$190 billion in 2005, a 14 per cent increase over 2004. The EMS industry accounted for 23 per cent of the total worldwide electronics assembly valued at US$810 billion. The EMS market will continue to grow in the coming years as outsourcing of electronic manufacturing continues. The revenue for the global EMS market is estimated to reach US$326 billion in 2010. The firm also found that in the EMS industry, Asia accounted for 45 per cent of the industry’s production in 2005, while the computer and peripherals market made up 39 per cent of the industry’s revenue.

The single, compelling reason for OEMs to outsource to EMS providers is to improve their overall supply chain and gain a competitive advantage. Contract manufacturing offers numerous benefits to OEMs, such as improved efficiency, cost reductions, enhanced quality, flexibility, advanced production technology, additional capacity, faster time to market and responsiveness.

Traditionally, computers, cell phones and telecommunications hardware provided the greatest demand for outsourcing to EMS providers. There are further opportunities for EMS providers outside the computer and communications fields, namely those in the defense, medical, industrial, automotive, and consumer sectors. A consulting firm, Technology Forecasters, Inc. (TFI) estimated that EMS could capture as much as US$10 billion in medical devices outsourcing business in 2009.

The positive trends of outsourcing in the EMS sector will be a major opportunity in the coming years. The In-Stat market intelligence report estimated the contract manufacturing output in Asia to reach US$155 billion in 2009 from US$70.2 billion in 2004, with a compound annual growth rate of 17 per cent over the 2004-2009 period. This strong growth is increasingly driven by the availability of low-cost labor and an increasing pool of technical expertise in the region. With increasing global competition, challenges on staying cost-effective, and requirements for top quality work, more international companies are exploring outsourcing options in Asia – in particular, Malaysia.
Malaysia’s EMS Industry

The development of the E&E industry has encouraged the establishment of contract manufacturing services companies in Malaysia. These companies provide vital support to the semiconductor, consumer electronics, computer and peripherals, communications and data storage industries. Leading EMS companies, many of whom rank among the top 50 companies worldwide, have established and expanded their operations in Malaysia. Among them include Flextronics, Solectron, Sammina-SCI, Celestica, Jabil Circuit, and Plexus. These companies manufacture products or parts for OEMs and Original Design Manufacturers (ODMs). They provide total manufacturing solutions by undertaking product design, manufacturing and distribution services for customers.

BCM is one of the home-grown companies that have since established a niche position within the EMS industry. Other Malaysian companies such as Globetronics, Carsem, Unisem and AIC specialized in integrated circuit and semiconductor packaging.

Based on MIDA’s records, there are more than 1,695 E&E companies in operation in Malaysia with investments of US$24.5 billion and employment of more than 596,000 persons or 37.8 per cent of total employment in the manufacturing sector. In 2006, exports of electronic products from Malaysia amounted to US$74.0 billion or 62.2 per cent of total manufacturing exports. There is thus good potential for the further development of the EMS industry in Malaysia.

With an abundance of trained manpower, a well-developed infrastructure and an efficient telecommunication system coupled with its continued commitment to research and development and infrastructure and human resource development, Malaysia is a viable location for the establishment of EMS operations. The country’s sound information technology infrastructure also allows EMS companies to tap opportunities in virtual manufacturing, a growing market trend arising from the influence of the cyber world and its borderless society.

Malaysia also offers attractive tax incentives to encourage EMS companies to locate their operations in the country. These incentives range from Pioneer Status and Investment Tax Allowances to “pre-packaged” incentives which incorporate a special package of incentives to meet the specific needs of individual projects.

The incentives are given based on certain priorities such as the levels of value-added, technology used, industrial linkages, R & D expenditure, employment of scientific and technical staff, and capital investment incurred. Companies which qualify for these direct tax incentives are given partial or total relief from the payment of income tax for a specified period.

Thus, multinational corporations from more than 40 countries have invested in over 3000 projects in Malaysia.

The World Competitiveness Yearbook 2006, published by the Institute for Management Development, ranked Malaysia as the 8th most competitive country with population of more than 20 million and the 8th most competitive among Asian countries ahead of India and Thailand.

Malaysia's market-oriented economy and government policies that maintain a business environment with opportunities for growth and profitability have made the country a highly competitive manufacturing and export base. Investors are attracted by Malaysia's:

- Political and economic stability
- Educated and productive multilingual work force
- Wide use of English, especially in business
- Liberal investment policies
- Attractive package of investment incentives
- Well-developed financial and banking sector
- Legal and accounting system based on international practice
- Well-developed infrastructure and telecommunications support
- Intellectual property protection

According to the World Bank group, Malaysia ranked 21st out of 155 countries for ease of doing business.

In the Deutsche Bank Research Report 2005, Malaysia was ranked among the top 5 growth centres in the emerging markets which will post the highest GDP growth rates from 2006 to 2020. Malaysia was placed second, with a projected GDP growth rate of 5.4 per cent per annum, surpassed only by India (5.5%). Malaysia was ranked ahead of China (5.2%), Thailand (4.5%) and Turkey (4.1%)

US-based Employment Conditions Abroad (ECA) International Limited has also ranked Malaysia as among the five least expensive countries in the world based on a price survey on goods and services.

Frost & Sullivan (F&S), a global growth consulting company ranked Malaysia among the top five countries for energy, finance, logistics and global shared services and outsourcing (SSO).

The favorable ranking is a testimony to the attractiveness of Malaysia as an offshore location for EMS to conduct their business activities.

The world’s major electronics companies with manufacturing operations in Malaysia include:

**USA**: Freescale Semiconductor, Intel, Texas Instruments, Dell, AMD, Agilent Technologies, Linear Semiconductor, Motorola, Seagate and Western Digital.

**Asia Pacific**: Sony, NEC, Panasonic, Hitachi, Toshiba, Sanyo, Alps, Brother, Canon, JVC, Konica-Minolta, Rohm, Fujitsu, Samsung, Nichia, Funai, TDK, BenQ, Sharp, Mitsubishi, Fuji Electric.

**Europe**: Alcatel, Philips, STMicroelectronics, Siemens, Marconi, Osram, Infineon.

Its vibrant business environment and excellent quality of life have made Malaysia the choice location for offshore manufacturing operations.
Incentives for Growth

The corporate tax rate for both local and foreign owned companies in Malaysia has been reduced to 27 per cent for the year of assessment 2007 and will be further reduced to 26 per cent in the year of assessment 2008. With this reduction, the investment environment in Malaysia is even more competitive. Malaysia’s corporate tax rate is lower than many of the countries in the region.

A wide range of tax incentives is also offered by the government to encourage investment in manufacturing activities. Companies which are given tax incentives qualify for partial or total relief from the payment of income tax for a specified period of time. These incentives are constantly reviewed to ensure that Malaysia maintains its competitive edge to attract investments.

1. Main Incentives for Manufacturing Companies
   • **Pioneer Status**: Income tax exemption of 70% or 100% on the statutory income for five years; or
   • **Investment Tax Allowance**: Investment tax allowance of 60% or 100% on the qualifying capital expenditure for five years. The allowance can be utilised to offset against 70% or 100% of the statutory income.
   • **Reinvestment Allowance**: Reinvestment allowance of 60% for 15 years on the qualifying capital expenditure. The allowance can be offset against 70% or 100% of the statutory income.
   • **Accelerated Capital Allowance**: An accelerated capital allowance consisting of 40% and an annual allowance of 20% is available for three years after the reinvestment allowance period.

2. Incentives for High Technology Companies
   • **Pioneer Status**: Income tax exemption of 100% on the statutory income for five years; or
   • **Investment Tax Allowance**: Investment tax allowance of 60% on the qualifying capital expenditure for five years. The allowance can be utilised to offset against 100% of the statutory income.

3. Incentives for Strategic Projects
   • **Pioneer Status**: Income tax exemption of 100% on the statutory income for 10 years; or
   • **Investment Tax Allowance**: Investment tax allowance of 100% on the qualifying capital expenditure for five years. The allowance can be utilised to offset against 100% of the statutory income.

4. Pre-packaged Incentives
   • Customised packages that cover tax and non-tax incentives.

5. Incentives for R&D

6. Incentives to Strengthen Industrial Linkages

7. Other Incentives
   • **Industrial Building Allowance**
   • **Infrastructure Allowance**
   • Import duty exemption for:
     - raw materials/components
     - equipment and machinery

4. Pre-packaged Incentives
   • **Customised packages that cover tax and non-tax incentives.**

5. Incentives for R&D

6. Incentives to Strengthen Industrial Linkages

7. Other Incentives
   • **Industrial Building Allowance**
   • **Infrastructure Allowance**
   • Import duty exemption for:
     - raw materials/components
     - equipment and machinery

Flextronics has a very strong presence in Malaysia. Our confidence in Malaysia is growing stronger and is evidenced by our expansive investment in the Port of Tanjung Pelepas (PTP) Free Trade Zone in Johor.

The “Campus Concept” facility in PTP is a fully integrated manufacturing centre aimed to enhance our operational efficiency and competitiveness. It is a one-stop shop solutions ranging from R&D, industrialization, mechanics, PCBA, system integration, testing and logistics.

Koh Yew Wah
General Manager
Flextronics Technology (Malaysia) Sdn Bhd

Malaysia is a growing and vibrant economy with a rich technology heritage. Solectron has had a strong presence in Malaysia for more than 15 years because of the labor talent that enables Solectron to serve global customers. Utilizing the Solectron Production System, our industry-leading combination of Lean and Six Sigma, we are helping customers to reduce costs, increase flexibility, minimize lead times, and improve quality to maximize competitive advantages. Malaysia is also home to the Solectron Technical Center and Failure Analysis Labs, which provide the regional sites with support in the areas of Process and Test Development, R&D in the emerging interconnect technologies such as liquid crystal display assembly, High i/o Ball Grid Array package assembly, lead free soldering, flip chip and direct chip attach processes.

Joe Teng Heam Hong
Senior Vice President
South Asia Operations
Solectron Corporation
As more OEMs from America and Europe look for ways to cut cost, there is going to be continuous growth for the EMS industry in Malaysia. With the increase in design solution providers, and inflow/expansions of OEM multinationals in the country, the EMS industry in Malaysia is set for stronger growth. Areas of growth are likely to be focused on communication PCBAs, telecommunication equipment, and integrated system solutions. Malaysia has demonstrated good experience and track record as an electronics manufacturing destination, with the right business climate, political stability, electrical and electronics engineering capabilities, excellent infrastructure with a pool of skilled and multilingual workforce.

CY Lee
Chief Executive Officer
BCM Electronics Corporation Sdn. Bhd.

Malaysia’s advantage lies in the area to handle complex products with high flexibility requirements well. The technical competent is high and management and leadership capability in manufacturing is one of the best in the world. Coupled with strong work ethics and business-friendly and proactive government support, it is definitely one of the best, if not the best, country for EMS industry.

YJ Lim
Managing Director

MALAYSIA:
Selected EMS, Sub-Contracting and Printed Circuit Board Assembly Companies
## Malaysia: Selected EMS and Sub-Contracting Companies

### 1. AIC Semiconductor Sdn. Bhd.
- Products/Activities: Semiconductors (integrated circuits), Smart card modules (SCM).
- Contact: Mr. CY Chong
- Email: cy@aicsemicon.com
- Website: www.aicsemicon.com

### 2. BCM Electronics Corporation Sdn. Bhd.
- Area of expertise:
  - RF technology with box build integration.
  - Product management customization towards high mix, low volume solutions.
  - Development engineering capabilities.
- Products:
  - Printed circuit board assemblies (PCBA).
  - Telecommunication and power boards, transmitters and receivers, battery packs, power converters, flexi circuits, adaptors, etc.
- Contact: Mr. CY Lee
- Email: cylee@bcmcorp.com.my
- Website: www.bcmcorp.com.my

### 3. Carsem (Mi) Sdn. Bhd.
- Products:
  - Advanced integrated circuits using chip-scale packaging (CSP), system-in-package (SiP), and flip chip on leadframe (FCOL) technology semiconductors.
- Contact: Mr. Soo Teck Lai
- Email: tsioo@i.m.carsems.com
- Website: www.carsem.com

- Products/Activities:
  - ‘Design, development and manufacture of printed circuit board assemblies for microprocessor application’ and ‘Design, development and manufacture of system controller for imaging equipment/devices’.
  - ‘Design, development and manufacture of telecommunication products/devices’ and ‘measuring and checking instrument’.
- Contact: Mr. Neoh Chee Keong
- Email: cknneoh@celestica.com
- Tel: 04-4033215
- Contact: Mr. Tang Meng Teik
- Email: mtang@celestica.com
- Tel: 604-4033144

### 5. COB Technology Asia Sdn. Bhd.
- Products/Activities:
  - PCBA for avionic equipment & devices (Bluetooth Technology).
  - Telecommunication.
  - Life sciences.
  - Transport/automotive.
  - Industrial electronics.
- Contact: Ms. Magdalene Lee
- Email: stephanie.cheong@cob-tech.com.sg
- Website: www.cob-tech.com.sg

- Products:
  - Computer/computer peripherals:
    - Inkjet printers.
    - Single function.
    - All In One (AIO).
    - Multifunction (MFP).
    - Photosmart.
  - Activities:
    - Assembly services.
    - Manufacturing services.
    - Engineering services.
    - Test and development & engineering.
    - Quality engineering.
    - New product introduction (NPI).
    - Reverse logistics services.
    - Training centre.
- Contact: Mr. Koh Yew Wah
- Email: koh.yewwah@my.flextronics.com
- Website: www.flextronics.com

- Products:
  - Integrated circuits – assembly/test services.
  - Burn-in services.
  - Electroplating services.
- Contact: Mr. LC Chin
- Email: lc_chin@globe.com.my
- Website: www.globetronics.com.my

- Products:
  - Printed circuit board assemblies (PCBA).
  - Computer and peripheral boards utilizing interconnect and substrate technologies.
  - Electro-Mechanical System/Box build assemblies.
- Contact: Mr. LC Chin
- Email: lc_chin@jabil.com
- Website: www.jabil.com

- Products:
  - Printed circuit board assemblies (PCBA).
  - Computers, computer and peripherals boards utilizing networking equipment, industrial equipment, analytical and medical devices.
  - System level integration including configure to order and direct order fulfillment.
- Contact: Mr. YJ Lim
- Email: yj_lim@plexus.com
- Website: www.plexus.com

- Products:
  - Printed circuit board assemblies (PCBA).
  - Computer motherboards, disk drive control boards.
  - Satellite decoders and receivers.
  - Security ID printers.
  - Wireless modems.
  - Surveillance equipment.
  - Networking equipment.
- Contact: Mr. YY Lim
- Email: yy_lim@sanmina-sci.com
- Website: www.sanmina-sci.com
Company Products/Activities

Plot 13, Phase 4
Prai Industrial Estate
13600 Prai, Penang
Tel: 604-5075600
Fax: 604-5064880
Contact: Mr. CC Yong
Email: chongchinyong@pg.slr.com
Website: www.solectron.com

- Printed circuit board assembly and subsystem manufacturing.
- Systems assembly and test.
- Supply Chain Management.
- Product fulfillment and logistics.

12. Unisem (M) Bhd
No.1, Persiaran Pulai Jaya 9
Kawasan Perindustrian Pulai Jaya
31300 Ipoh, Perak
Tel: 605-3572800
Fax: 605-3572788
Contact: Mr. CH Ang
Email: ch_ang@unisem.com.my
Website: www.unisem.com.my

- Full turn-key assembly and test for Integrated Circuit from.
- Wafer bumping to drop ship services.

13. V.S. Industry Berhad
Plo 47, Senai Industrial Estate
81400 Senai, Johor Darul Takzim
Tel: 607-5973199
Fax: 607-5997608
Contact: Mr. Nick Lim
Email: nicklim@vs-i.com
Website: www.vs-i.com

- Printed circuit board assemblies (PCBA) & remote controller.
- Colour projection televisions and parts.
- Oscillator sprinklers and spray gun (for gardening).
- Front panel for air-cond and plastic part for air-cond panel (for car).

Plot 44, Bayan Lepas Industrial Park IV
11900 Penang
Tel: 604-8107115
Fax: 604-8107100
Contact: Mr. John Leong
Email: john.leong@venture.com.sg
Website: www.venture.com.sg

- Design, development and manufacturer of system integration accessories, sub-assembly and printed circuit board assembly for communication-networking equipment, data processing equipment and medical and scientific equipment.

Malaysia: Selected Printed Circuit Board Assembly (PCBA) Companies

Company Products/Activities

No. 8, Jalan Jurunilai U1/20
Hicom Glenmarie Industrial Park
40150 Shah Alam, Selangor
Tel: 603-5697877
Fax: 603-5697699
Contact: Mr. Paulvannan
Email: paulvannan.rajintran@advancemodules.com
Website: www.advancemodules.com

- Printed circuit board assemblies (PCBA) for memory modules.

Plot 21, Jalan Hi-Tech 4
Kulim Hi-Tech Park, Phase 1
09000 Kulim, Kedah
Tel: 604-4033180
Fax: 604-4033181
Contact: Mr. CY Lee
Email: cylee@bcmcorp.com.my
Website: www bcmcorp.com.my

- Area of expertise:
  - RF technology with box build integration.
  - Product management customization towards high mix, low volume solutions.
  - Development engineering capabilities.

- Products:
  - Printed circuit board assemblies (PCBA).
  - Telecommunication and power boards, transmitters and receivers, battery packs, power converters, flexi circuits, adaptors, etc.

Lot 20, Jalan 223
46100 Petaling Jaya, Selangor
Tel: 603-78449400
Fax: 603-79573650
Contact: Mr. Kenny Ng
Email: kenn0603@satomalaysia.com
Website: www.satomalaysia.com

- Printed circuit board assemblies (PCBA).
- Bar code/ optical character recognition (OCR) printer & parts thereof.

Plot 15, Jalan Hi-Tech 2/3
Phase 1, Kulim Hi-Tech Park
09000 Kulim, Kedah
Tel: 604-4033288
Fax: 604-4033277
Website: www.celestica.com

- Design, development and manufacture of printed circuit board assemblies for microprocessor application and ‘Design, development and manufacture of system controller for imaging equipment/devices’.
- ‘Design, development and manufacture of telecommunication products/devices’ and ‘measuring and checking instrument’.

5. COB Technology Asia Sdn. Bhd.
Plot 86, Jalan PKKN 2
Sg. Petani Industrial Estate
08000 Sg. Petani, Kedah
Tel: 604-2273019
Fax: 604-2276018
Contact: Ms. Magdalene Lee
E-mail: stephanie.cheong@cob-tech.com.sg
Website: www.cob-tech.com.sg

- PCBA for avionic equipment & devices (Bluetooth Technology).
- Telecommunication.
- Life sciences.
- Transport/automotive.
- Industrial electronics.
Batu Berendam Free Trade Zone
75350 Melaka
Tel: 606-2331888
Fax: 606-2328598
Contact: Mr. George Paul Schlumpf
Email: ocmc@contraves.com.my
Website: www.contraves.com.my

- Printed circuit board assemblies (PCBA) for contrast-injectors, electronic data storage units, digital displays, data transmission for fire control systems.
- Military electronic/opto-electronic sub-units and parts thereof for air-defence systems.

Lot 6 Batu Berendam Free Trade Zone
Phase III, Batu Berendam
75350 Melaka
Tel: 606-2833566
Fax: 606-2830566
Contact: Mr. Tay Kheng Chiong
Email: sales@dominant-semi.com
Website: www.dominant-semi.com

- Light emitting diodes (LED).

Plo 34 Fasa 2
Kawasan Perindustrian Senai
81400 Senai
Johor
Tel: 607-5992511
Fax: 607-5992521
Contact: Mr. Gan Chin Seong
Email: csgan@eltech.com.sg
Website: www.eltech.com.my

- Printed circuit board assembly (PCBA).
- Turnkey manufacturing services.
- Telecommunication products.
- LAN.
- Modem.

9. Flextronics Technology (Malaysia) Sdn Bhd
12, Jalan Tampoi 7/1
Kawasan Perindustrian Tampoi
81200 Johor Bahru, Johor
Tel: 607-3408888
Fax: 607-3342111
Contact: Mr. Koh Yew Wah
Email: Koh.YewWah@my.flextronics.com
Website: www.flextronics.com

- Products
  Computer/computer peripherals:
  - Inkjet printers.
  - Single function.
  - All In One (AIO).
  - Multifunction (MFP).
  - Photosmart.
- Activities
  - Assembly services.
  - Manufacturing services.
  - Engineering services.
  - Test and development & engineering.
  - Quality engineering.
  - New Product Introduction (NPI).
  - Reverse logistics services.
  - Training centre.

Plot 102, Bayan Lepas Industrial Zone
11900 Bayan Lepas, Penang
Tel: 604-6439566
Fax: 604-6439900
Contact: Mr. Lee Tee Hiang
Email: lee.th@inventec.com.my
Website: www.inventec.com.my

- VoIP telephony.
- Set top box.
- Wireless internet radio.
- Global Positioning System (GPS).
- LCD TV, 3D LCD TV.
- Personal video recorder (PVR).
- IP-PABX.

Lot 149, Fasa 1
Kawasan Perdagangan Bebas Bayan Lepas
11900 Bayan Lepas, Penang
Tel: 604-6446677
Fax: 604-6444163
Contact: Mr. BG Choong
Email: bg.choong@iq-group.com
Website: www.iq-group.com

- Original Design Manufacturer (ODM) and printed circuit board assemblies (PCBA) for motion sensors, wireless and audio products.

No.56, Hilir Sungai Kluang 1
Bayan Lepas Industrial Park
Phase 4, 11900 Penang
Tel: 604-6427976
Fax: 604-6428001
Contact: Mr. LC Chin
Email: lc_chin@jabil.com
Website: www.jabil.com

- Printed circuit board assemblies (PCBA).
- Computer and peripheral boards utilizing interconnect and substrate technologies.
- Electro-Mechanical System/Box build assemblies.

Lot 58, Bakar Arang Industrial Estate
08000 Sungai Petani, Kedah
Tel: 604-4213481
Fax: 604-4231859/0988
Contact: Mr. KL Hang
Email: khang@luster.com.my
Website: www.lustergroup.com

- Original Design Manufacturer (ODM) and printed circuit board assemblies (PCBA) for motion sensors, wireless and audio products.

Lot 16035, Kawasan Perindustrian Tangkak
84900 Tangkak, Johor
Tel: 606-9787999/9791725
Fax: 606-9787111
Contact: Mr. Ng Sen Kwee
Email: enquiry@mitsutoyo-malaysia.com
Website: http://www.mitsutoyo-malaysia.com

- Printed circuit board assemblies (PCBA) using surface mount technology, auto insertion and manual insertion technologies.
- Telecommunications.
- Computer peripherals and IT products.
- AV products, wireless RF products.

Lot 6, Batu Berendam Free Trade Zone
Phase III, Batu Berendam
75350 Melaka
Tel: 606-2827101
Fax: 606-2839608
Contact: Mr. Tony Koay
Email: corp@omegasemicon.com.my
Website: www.omegasemicon.com.my

- Printed circuit board assemblies (PCBA), integrated circuits, semiconductors, metal-can transistors & LED lamps.

No. 12, Jalan Bayu
Kawasan Perindustrian Hasil
81200 Johor Bahru, Johor
Tel: 607-2323223
Fax: 607-2323003
Contact: Mr. Phang Kok Kong
Email: kok_kong_phang@pcatechnology.com.sg
Website: www.pcatechnology.com

- SMT & printed circuit board assemblies (PCBA).
- Box-build assembly such as MP3 players, industrial tablet PC, cordless dect phone, POMCIA cards, LCD module and video-conferencing devices.
<table>
<thead>
<tr>
<th>Company</th>
<th>Products/Activities</th>
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- Computers, computer and peripherals and telecommunication equipment including networking equipment, industrial equipment, analytical and medical devices.  
- System level integration including configure to order and direct order fulfillment. |
- Computer motherboards, disk drive control boards.  
- Satellite decoders and receivers.  
- Security ID printers.  
- Wireless modems.  
- Surveillance equipment.  
- Networking equipment. |
- Hi-fi systems.  
- Telephone sets.  
- Computer peripherals (modems, etc).  
- Telecommunication.  
- Digital camera. |
| 20. SIS Speedy Industrial Supplies Sdn. Bhd. | - Printed circuit board assemblies (PCBA) for computer peripherals.  
- Wire harness & cable assemblies. |
| 21. SMT Technologies Sdn. Bhd. | - Printed circuit board assemblies (PCBA) for computer peripherals, telecommunication equipment, medical equipment and multimedia appliances. |
| 22. SNC Industrial Laminates Sdn. Bhd. | - Insulation board for printed circuit board (phenolic copper clad laminate). |
- Systems assembly and test.  
- Supply Chain Management.  
- Product fulfillment and logistics. |
- Motor and stator for home appliances. |
| 26. V.S. Industry Berhad | - Printed circuit board assembly (PCBA) and remote controller.  
- Colour projection televisions and parts.  
- Oscillator sprinklers and spray gun (for gardening).  
- Front panel for air-cond and plastic part for air-cond panel (for car). |
- Compact disc mechanism and parts.  
- Printed circuit board assembly (PCBA), CD magazine.  
- Radio cassette player receiver and amplifier.  
- Compact disc mechanism and parts & digital processors including in SKD/CKD forms.  
- Oscillator sprinklers and spray gun (for gardening).  
- Front panel for air-cond and plastic part for air-cond panel (for car). |
| 28. Ya Horng Electronic (M) Bhd. | - Printed circuit board assemblies (PCBA), mixers including in SKD/CKD forms & digital processors including in SKD/CKD forms.  
- Compact disc mechanisms, compact disc players and food processors.  
- Turntables, tuner, mini hifi, mini compus, VCD player, amplifier, camera & camera parts assy, computer terminal.  
- SKD/CKD part assy, computer and computer in SKD/CKD part assy, portable media player, digital photo frame, LCD TV & LCD module. |