

茂林(香港)線路版有限公司

Introduction to

EVERGREEN
(H.K.) PCB
LIMITED

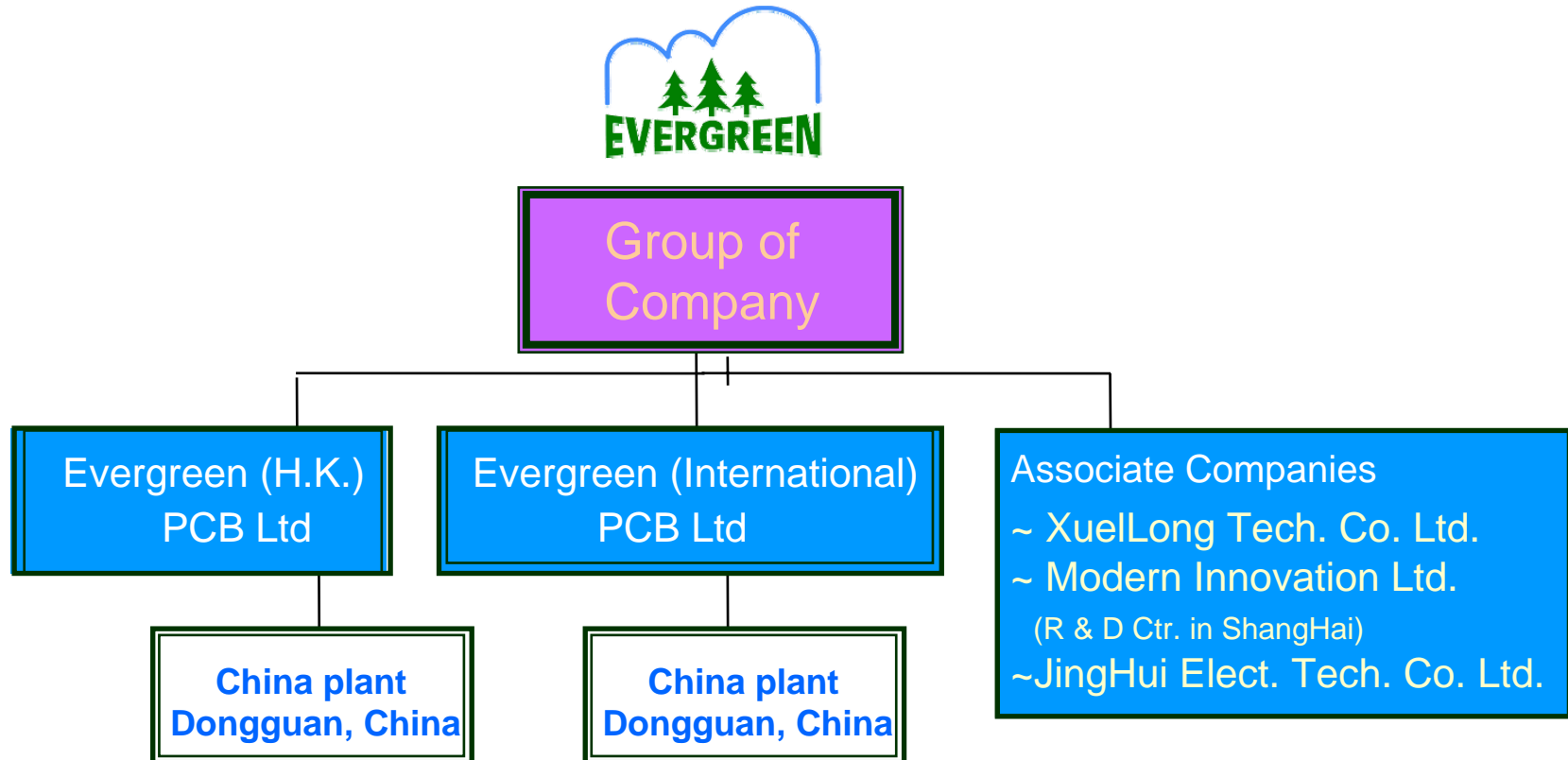
EVERGREEN GROUP



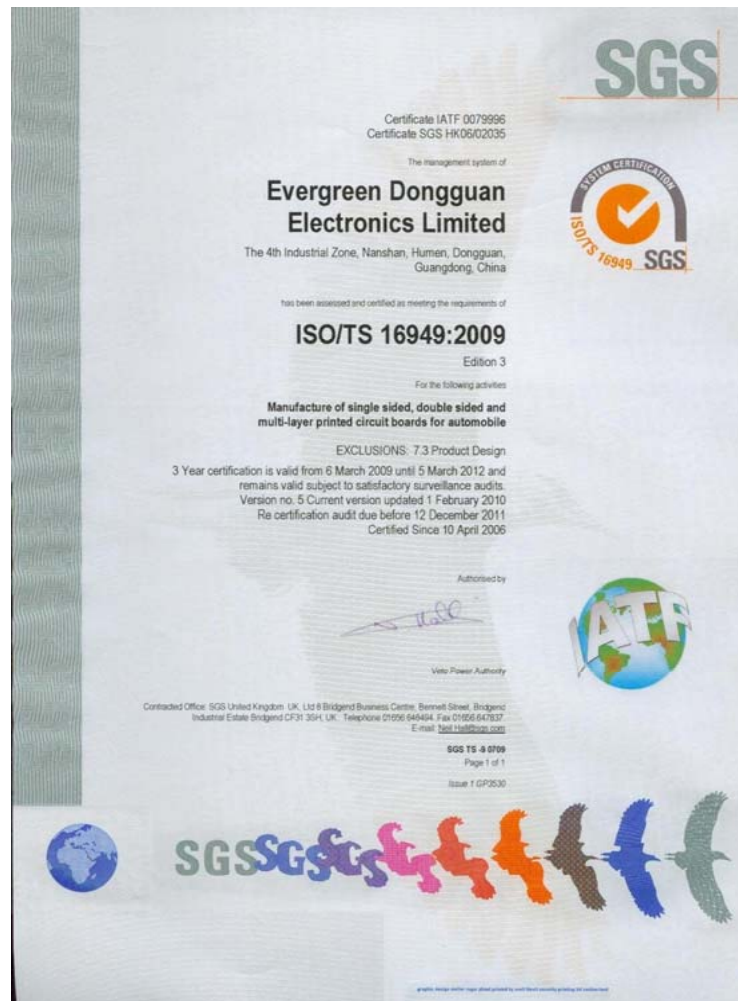
Group Structure



EVERGREEN GROUP



ISO/TS 16949:2009





ISO 14001:2004



IECQ QC080000



		Certificate No. HK-HSPM-1003-1	Issued: March 09, 2007
			Revision: N/A
			Expiration: March 08, 2010

IECQ Certificate of Hazardous Substance Process Management (HSPM) applicable to the European Directives 2002/95/EC ("RoHS") requirements.



The United States National Authorized Institution (ECCB) and the Supervising Inspectorate (SGS Hong Kong Limited) certify that

Dongguan Human Nanshan Evergreen Electronics Factory
The 4th Industrial Zone,
Nanshan, Humen,
Dongguan, Guangdong, China

Has developed and implemented Hazardous Substances Process Management, procedures, and related processes in compliance with the applicable requirements for HSPM organization approval which is in accordance with the Basic Rules IECQ-01 and Rules of Procedure QC 001002-5 "IECQ Hazardous Substance Process Management" of the IEC Quality Assessment System for Electronic Components (IECQ), and with respect to the Specification QC 080000 IECQ HSPM.

This certification is applicable to all electronic components and related materials and processes for the
manufacture of single sided, double sided and multi-layer printed circuit boards.

Issued by Certification Authorities:

 Electronic Component Certification Board Signed:  Stanley H. Salot Jr. - President, ECCB ECCB PO Box 9041, Midland, Texas 79708 Tel: (432) 697-9970 Fax: (866) 260-6181 Web Site: www.eccb.org	 SGS Hong Kong Limited 7/F, Metropole Square 2 On Yiu Street Shatin, Hong Kong Web Site: www.sgs.com
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The validity of this certificate is maintained through on-going surveillance inspections.

Note: This certificate is valid only in conjunction with the approval document(s). This approval and this certificate may be suspended or withdrawn in accordance with the Rules of Procedure of the IECQ. This certificate remains the property of the body which granted it.

茂林(香港)線路版有限公司

HK-GD Clearer

Production Partner (Mfg)



粵港清潔生產伙伴
Hong Kong - Guangdong
Cleaner Production Partner

粵港清潔生產伙伴 (製造業) Hong Kong - Guangdong Cleaner Production Partner (Manufacturing)

茲證明
This is to certify that

公司名稱 : 茂林(香港)線路板有限公司
Name of Enterprise : **Evergreen P.C.B. Factory Ltd.**

廠房名稱 : 東莞茂林電子有限公司
Name of Factory : **Evergreen Dongguan Electronics Ltd.**

符合成為「粵港清潔生產伙伴(製造業)」的要求
並承諾致力落實清潔生產

*have fulfilled the requirement for
Hong Kong - Guangdong Cleaner Production Partner (Manufacturing)
and demonstrated a high commitment to cleaner production*



廣東省經濟和信息化委員會

邱騰華局長
Mr. Yan Tang Wah Edward, Secretary for the Environment



香港特別行政區政府 環境局
Environment Bureau
The Government of the Hong Kong Special
Administrative Region

證書編號 : A0027-MH09
Certificate Number

頒發日期 : 2009年11月24日
Date of Issue : 25 November 2009

有效期至 : 2011年11月24日
Valid until 24 November 2011

About Ourselves



	EVERGREEN (H.K.)	EVERGREEN (Int'l)
Year established	1977	1992
Plant location	Dongguan, China	Dongguan, China
Plant floor area	10,000 M ² (10,7000 Ft ²)	4,800 M ² (51,600 Ft ²)
Monthly capacity	37,200 M ² (400,000 Ft ²)	55,800 M ² (600,000 Ft ²)
No. of employees	400	300
Asset value	US\$6.45 million (2009)	US\$1.0 million (2009)

Our Capabilities



	EVERGREEN (H.K.)	EVERGREEN (Int'l)
Layer count	1 to 12 layers	1 to 2 Layers
Base material used	FR4, High Tg FR-4, Low Dk FR-4 CEM-1, CEM-3, Halogen Free Laminate	XPC, 94HB, FR1, FR2, FR4, CEM-1 & CEM-3
Major laminate suppliers	Isola, Nan Ya, Grace, Sheng Yi, Nam Hing, Hitachi and Kingboard	Kingboard, Nam Hing, ShingSung
Board thickness	1-2 Layers – min. 0.20mm (8mil) Multi Layers – min. 0.40mm (15mil)	P.P. / CEM-1: 0.8 – 1.6mm (31-62 mil) FR-4: 0.2 – 1.6mm(8-62 mil)
Finishing copper thickness	Inner: 1/2 – 4 oz (18 – 140 um) Outer: 1/2 – 4 oz (18 – 140 um)	1 oz - 2 oz (35 - 70 um)
Type of finishing	Tin Lead HASL, Lead Free HASL OSP , Flash Gold Plating, Immersion Gold, Immersion Tin, Gold Finger, Thick Gold Plating	OSP, Pre-flux, Flash Gold Plating, Nickel Plating, Tin Lead HASL, Lead Free HASL

Our Capabilities



	EVERGREEN (H.K.)	EVERGREEN (Int'l)
Min. line width and spacing	0.075 mm (3 mil)	0.2 mm (8 mil)
Min. hole size	0.15 mm (10 mil)	1 Layer : 0.8 mm (32mil) 2 Layer : 0.35mm (14mil)
Drill and Route	CNC Machine	CNC Machine
Imaging transfer	Dry film	Screen printing, LPI
Soldermask	Thermal cured, LPI	Thermal cured, UV, LPI
Extra Print	Peelable S/M, Carbon Ink	High Resistance Carbon Ink
Profile and V-cut	CNC Routing, Stamping, CNC V-cut, Beveling	CNC Routing, Stamping, V-cut and Beveling

Our Strengths



- On time delivery
- Quick turnaround for mass production
- Short and reasonable sample lead time
- IPC-standard quality or tailor made to customers' requirements
- Running Statistical Process Control (SPC) in main process

Our Quality



- UL Recognized E129660
- Automatic Optical Inspection
- 100% Open Short Testing
- Impedance Control
- IPC-A-600 newest quality standard
- Statistical Process Control (SPC) in main process
- ISO9001:2008 certification
- ISO/TS 16949:2009 certification
- ISO14001:2004 certification
- IECQ/QC 080000 certification



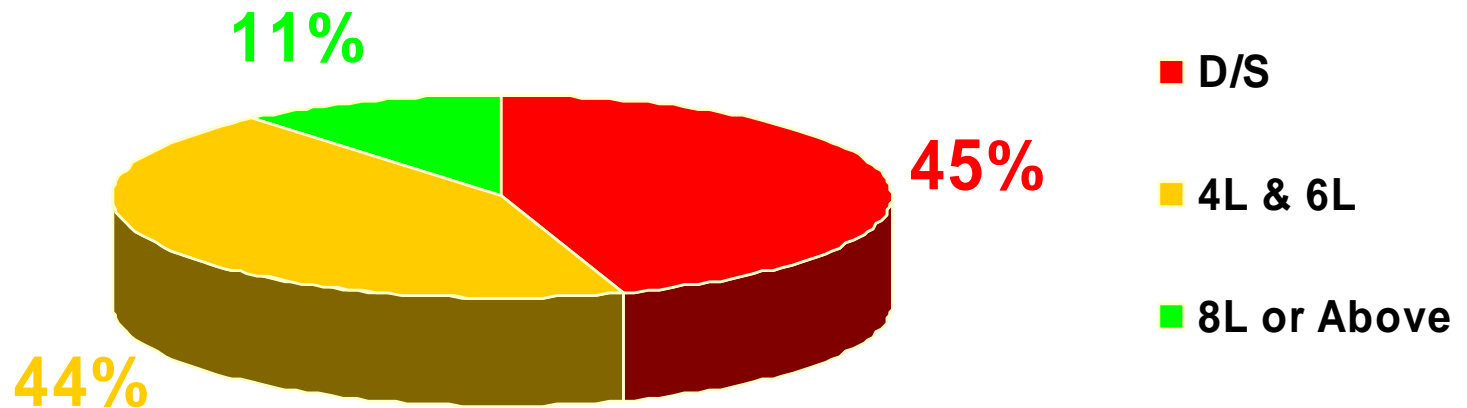
The Quality Policy of ours :

- Through continual improvement we offer our customers the excellent products and the best services.
- It is our principle and responsibility to do things right every time.

Layer Count Segmentation



Evergreen (H.K.)

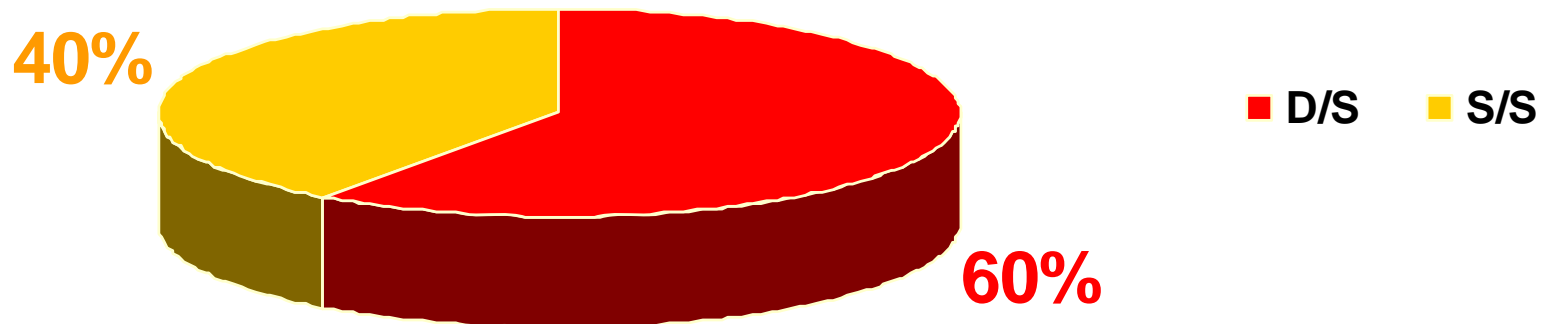


*Count by sales distribution

Layer Count Segmentation



Evergreen (International)



Our Customers



Hong Kong companies


Vtech Group

Education Learning
Electronics, Cordless
phones


A member company of
Hutchison Whampoa Limited 
Harbour Ring

Mobile phones
High-end Elect.
Products


Legrand

Home Automation
System


National

Clock and Watch


AML Group

Medical Electronic,
Telecom & Office
Equipment,
Home Automation
& Industrial Control


Fujikon

Headphones,
Microphones,
Handsfree, Wireless

Our Customers



TaiWan companies



Forton/Source | Power supply



Onbo Elect.

Sphygmomanometer,
Thermometers / Ear
(Forehead) Thermometers,
Peak Flow Meter



Rayson Tech.

USB phones,
Wireless Adapters,
Bluetooth Adapters/Headset
Bluetooth Module/Transmitter,
GPS/GPS Module
Car-free Device
Multi-function Telephone



Lite-Med

Extracorporeal
Shock Wave
Lithotripter,
Extracorporeal
Shock Wave
Therapy

Our Customers



Japanese companies



Eastern

Contract Manufacturers of Toshiba, Hitachi Panasonic Products



Kyoritsu

Clamp Meters, Clamp Adaptors & Testers



Kyocera

PHS, Cordless Phone



Rhythm

Wall-mount clocks, alarm clock

Indirect Customer :



I-O Data

Hard Disk Drive



Contract Manufacturer :



Sony, JVC, Sanyo

Our Customers



American companies



Power Magnetic, LAN components, Filtered Connector, Delays



Connector, High Speed Cable



Plantronics

Multi-function Telephone, Bluetooth / Corded / Wireless Headsets, Audio Processor



Sanmina-SCI

Altec Lansing, Fujitsu, Gateway, Acer



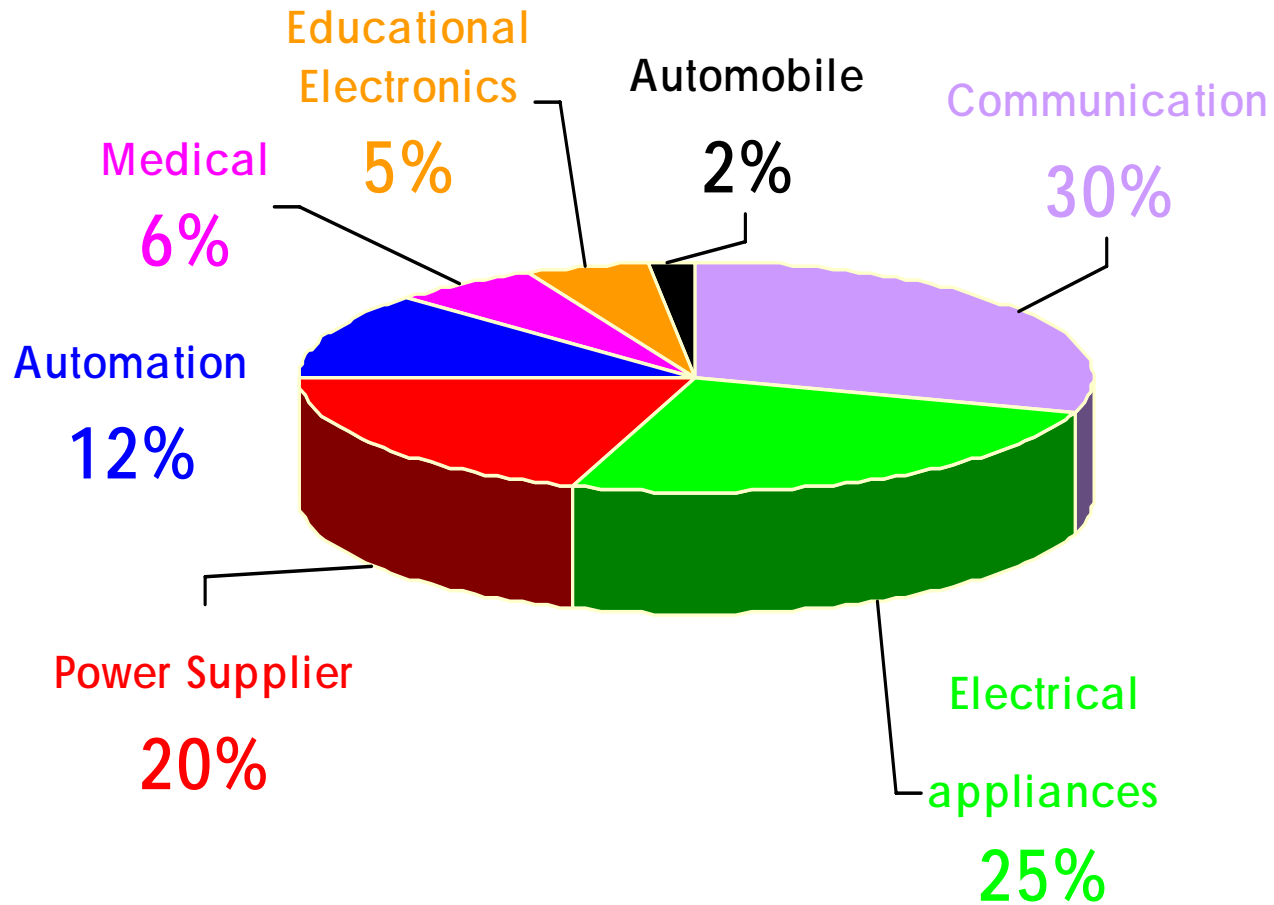
Measurement Specialties

Sensors



Security

Sales Segmentation



Our Sales Records



Year	US\$ in Million	
	Evergreen (H.K.)	Evergreen (Int'l)
2003	17.9	5.2
2004	17.9	5.2
2005	17.7	5.3
2006	18.9	8.1
2007	19.5	9.7
2008	16.8	7.9
2009	15.1	6.8
*2010	17.0	8.0

End of Presentation
Thank You!