

Fairphone 3 Suppliers

August 2019

Table of Contents

Introduction	p. 3
List of Suppliers	p. 5
Our approach	p. 6
Suppliers at a glance	p. 7
List of Suppliers	p. 8

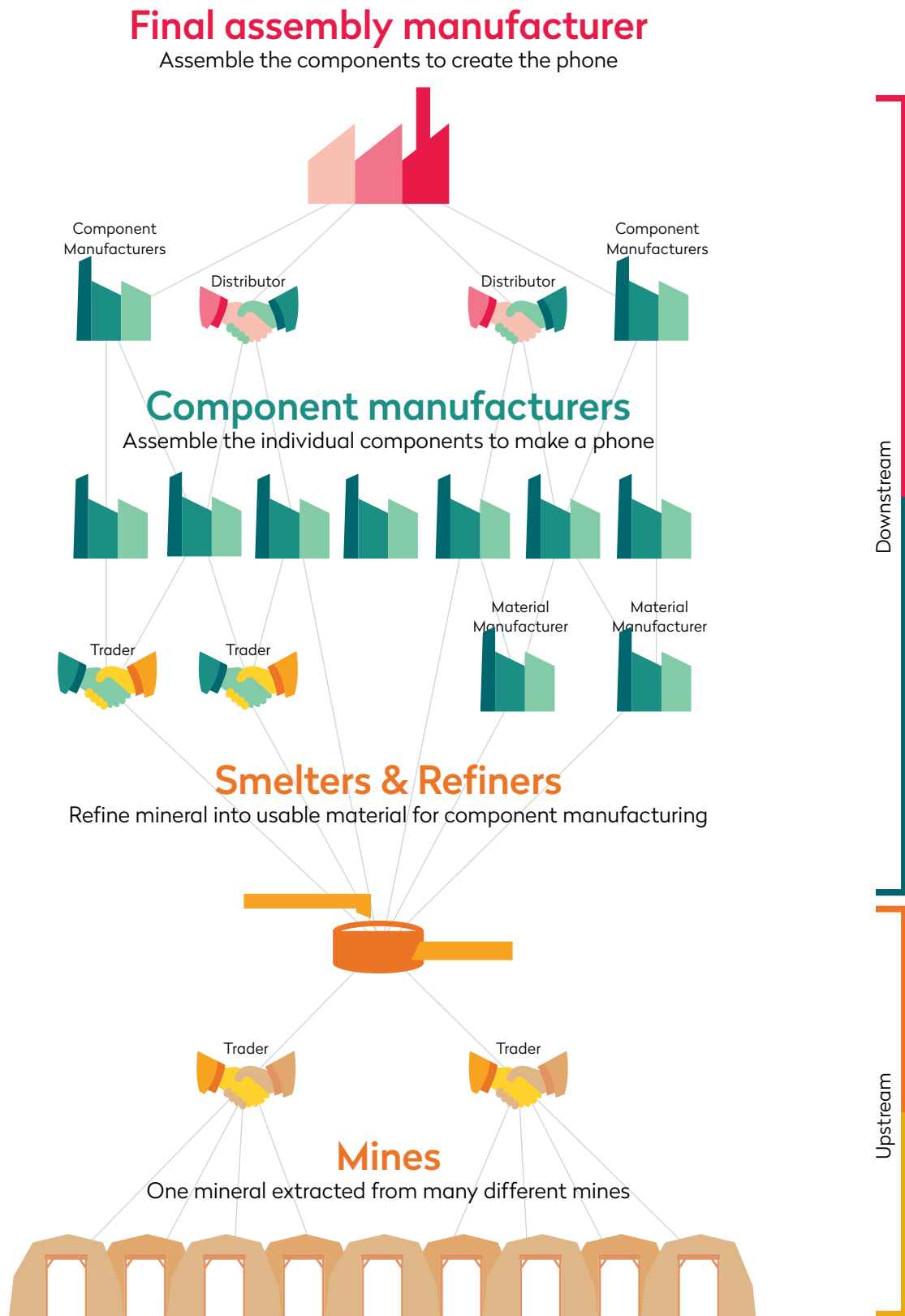
Transparency: the first step in fairer supply chains

Fairphone was founded with the aim of creating a positive impact on the value chain of consumer electronics. We began making phones to become part of the industry, gain a deeper understanding of how things work and what the issues are in order to affect change from the inside out. But you cannot change what you do not know. Therefore, the first and most crucial step in this process is gathering information.

Smartphones are intricate products made up of thousands of different components. Each of these parts comes from different suppliers and contain a wide variety of materials. As a result, our supply chain includes mines, smelters, refiners and different tiers of manufacturers that span the entire globe. While it may seem like an impossible task, step by step, we are mapping our supply chain to understand exactly what goes into our phone and where it comes from. By learning more about the hundreds of actors and locations involved in our smartphone supply chain, we can take an informed approach to making a difference. For Fairphone, that goes beyond audits, assessments and compliance. For example, it includes sourcing from more responsible mines and actively connecting them to our supply chain. It also means finding and engaging with suppliers that share our values and initiating improvement programs at the factories and beyond.

This document offers an introduction to our supply chain approach, and a summary of what we have learned about the Fairphone 3 supply chain to date.

Simplified representation of a smartphone supply chain



This graph is a simplified reflection of the Fairphone supply chain. In electronics, a variety of set-ups is possible and this graph should not be taken as a one-size-fits all for other products and brands.

List of Suppliers

Our approach to identifying and working with suppliers

At Fairphone, we believe that each supplier and workplace requires a tailored approach to create a positive impact that is sustainable. However, we can't do this with all suppliers at once. Therefore, we're taking a step-by-step approach to mapping and improving our supply chain:

Mapping our suppliers

Over the past years, we've been working to uncover all the different actors involved in making our phones. Based on a combination of desk research and direct communication with Fairphone 3 suppliers, we've now mapped 76 suppliers, ranging from the first to fourth tier in our supply chain. We update this information regularly and are digging into deeper layers of the supply chain.

Collaboration and setting expectations

Supply chains are long and complex, and we believe that getting suppliers involved in our mission is the only way to increase understanding of the issues and influence real change. Our code of conduct, the Fairphone Ways of Working Together, contains our policies and expectations for working with all of our partners and suppliers, covering topics like human rights, health and safety, the environment, ethics and responsible sourcing.

Seeking opportunities for improvement

As we engage with our suppliers, we aim to identify opportunities for creating positive change. Starting with a selection of manufacturers, we're building relationships, completing collaborative evaluations and initiating improvement programs. These programs address a variety of issues, ranging from reducing the use of hazardous chemicals at the factories to enhancing employee influence over day-to-day operations by strengthening worker-management dialogue. Some of our initiatives stretch beyond our own supply chain, and include governments, non-profit organizations, industry experts and even other electronics companies.

Fairphone 3 suppliers at a glance

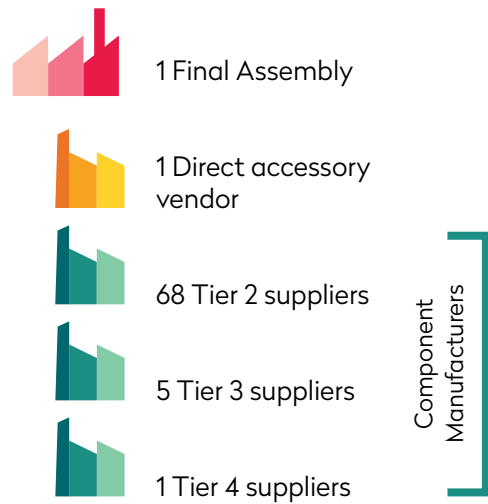
Supplier Tiers

Supplier tiers are calculated from the point of the final assembly. So component manufacturers that supply our final assembly partner are tier 2. The component suppliers that they work with are tier 3, and companies who work with these component suppliers are tier 4.

What have we learned about our supply chain so far? Here's a snapshot of the most important findings. Note that these are not all the suppliers in our supply chain as there are many more and we are mapping these step by step.

The first version of Fairphone 3 supplier list presents all the first-tier and second-tier suppliers, as well as the third and fourth tier suppliers that we are directly engaged with.

We've identified a total of 76 suppliers, including:



We identified the manufacturing facilities of 65* suppliers. Most of these are located in Asia, particularly China:

Location	Count	%
China	48	74%
Japan	1	2%
Korea	4	6%
Taiwan	12	18%

*The rest of suppliers have so far disclosed only the locations of headquarters.

List of Suppliers

This list includes all of the suppliers associated with the production of the Fairphone 3 that we have identified to date. It is accurate to the best of our knowledge at the time of publication. Inclusion on the list does not imply that these manufacturers are “fairer” than their competitors, or that Fairphone has a direct relationship with these companies and is influencing their business practices.

Here are a few explanations that will help you better understand our list of suppliers:


Addresses

Whenever possible, we have listed the (approximate) manufacturing location. If this information was not available, we have provided the location of the company headquarters.

Categories

Suppliers are grouped by the type of components they produce. Some suppliers may be mentioned more than once because they produce different kinds of components, sometimes with different manufacturing locations.

Projects

We work with selected suppliers on specific initiatives designed to make improvements in our supply chain, such as worker welfare and sourcing fair materials. The Program symbol  indicates that a supplier was included in one of these supplier engagement initiatives.

Phone Assembly - Fairphone 3

Supplier	Address: Manufacturing and Headquarters	Website
Arima Communications Corp. 	Headquarters: No. 866, Zhongzheng Road, Zhonghe District, New Taipei City, Taiwan Manufacturing: No.168, Jiaotong North Road, Wujiang Economic Development Zone, Suzhou, Jiangsu, 215200, China	www.arimacomm.com.tw

Semiconductors - Integrated Circuits, Discretes & LEDs

Supplier	Address: Manufacturing or Headquarters	Website
Qualcomm	Headquarters: 5775 Morehouse Drive, San Diego, California 92121, USA	www.qualcomm.com
Asahi Kasei	Manufacturing (TSMC): 9, Ccreation Rd. 1, Hsinchu Science Park, Hsinchu, 30077, Taiwan	www.akm.com
Awinic Technology	Manufacturing (TSMC): 9, Ccreation Rd. 1, Hsinchu Science Park, Hsinchu, 30077, Taiwan	www.awinic.com.cn
Diodes	Manufacturing: NO.1, Lane 18, Sanzhuang Road, Songjiang Export Zone, Songjiang District, Shanghai, China	www.diodes.com
Wuxi ETEK Microelectronics	Manufacturing: NO.8 Xin Hui Huan Road, New District, Wuxi, Jiangsu, China	www.etek.com
Infineon Technologies	Headquarters: Am Campeon 1-15. 85579 Neubiberg, Germany.	www.infineon.com
InvenSense	Manufacturing: 7F, No.9 Prosperity 1st Road, Hsinchu Science Park, 30078, Taiwan	www.invensense.com
Kinetic Technologies	Headquarters: Room 405, Building 1, No.2966, Jinke Road, Zhangjiang High-Tech Park Pudong District, Shanghai, 201203, China	www.kinet-ic.com
Ricoh Electronics	Manufacturing: 13-1, Himemuro-cho, Ikeda-shi, Osaka 563-8501, Japan	www.rei.ricoh.com
Amotech	Manufacturing: 5BL-1 Lot, 617, Namchon-Dong, Namdong-Gu, Incheon, Korea	www.amotech.co.kr
EMINENT	Manufacturing: 6F, No.12, Innovation 1st Rd. Hsinchu Science Park, Hsinchu, 30076, Taiwan	www.eminent-tek.com
EVERLIGHT	Manufacturing: No.35, Lane Guoguang, Yutian Village, Yuanli Township, Miaoli, 358, Taiwan	www.everlight.com
Lision	Manufacturing: No.7-1, Ziqiang 1st Rd., Zhongli City, Taoyuan County, 320, Taiwan	www.li-sion.com.tw
NXP Semiconductors	Headquarters: High Tech Campus 60, 5656 AG Eindhoven, The Netherlands	www.nxp.com
Prisemi Electronics	Headquarters: Building 7, No.2277 ZuChongZhi Road, Zhangjiang High-tech Park, Shanghai, China	www.prisemi.com
Will Semiconductor	Headquarters: Floor 7, Building 4, No.3000, Longdong, Ave, Pudong, ShangHai, 201203, China	www.willsemi.com
Qorvo	Manufacturing: 17 Tongji Middle Road, Industrial Park of Beijing Economic & Technological Development Area Daxing, Beijing 100176, China	www.qorvo.com
Samsung	Manufacturing: 1, Samsungjeonja-ro, Hwaseong-si, Gyeonggi-do 18448, Korea	www.samsung.com/semiconductor
Texas Instruments	Headquarters: 12500 TI Boulevard Dallas, Texas 75243, USA	www.ti.com

Passives

Supplier	Address: Manufacturing	Website
Chilisin	Manufacturing: No.78, Puxing East Rd., Yuliangwei Administration Area, Qingxin Town, Dongguan city, Guangdong, 523649, China	www.chilisin.com
Moda-Innochips	Manufacturing: 11B-16L, Banwol Industrial Complex, 769-12, Wonsi-Dong, Danwon-Gu, Ansan-si, Gyeonggi-Do, Korea	www.innochips.co.kr
Ralec Electronic	Manufacturing: No 333, Huangpujiang Zhong Road, Kunshan, Jiangsu Province, China	www.ralec.com
Shenzhen Sunlord	Manufacturing: Sunlord Industrial Park, Dafuyuan Industrial Zone, Guanlan, Shenzhen, China	www.sunlordinc.com
TA-I	Manufacturing: NO.675, Luxiang North Road, Songling Town, Wujiang, China	www.tai.com.tw
Harmony Electronics	Manufacturing: No.39, Huadong Road., Daliao Dist., Dafa Industrial Park, Kaohsiung City, Taiwan	www.hele.com.tw
INPAQ Technology	Manufacturing: No.5, Chunqiu Road, Panyang Industrial Park, Huangdai Town, Xiangcheng Zone, Suzhou City, Jiangsu Province, 215143, China	www.inpaq.com.tw
KDS	Manufacturing (Harmony Electronics): No.40, Huadong Road., Daliao Dist., Dafa Industrial Park, Kaohsiung City, Taiwan	www.kds.info
Taiyo Yuden	Manufacturing: No.13 Keji Dong Road, Shi Jie Town, Dongguan City, Guangdong Province, 523290, China	www.t-yuden.com
TDK Corporation [EPCOS]	Manufacturing: No. 1-19 Liansheng Road, JiMei Industrial Park, Xiamen, Fujian, China	www.global.tdk.com
Walsin Technology	Manufacturing: NO.566-1, Kao-Shi Road, Yang-Mei, TaoYuan, 32668, Taiwan	www.passivecomponent.com
Yageo Corporation	Manufacturing: 10, Zhuyuan Road, Huqiu, Suzhou, Jiangsu, China	www.yageo.com
VYYONG (EYang)	Manufacturing: VYYONG Industry Zone, No.1, Chuangye 2nd Road, Luoding, Yunfu, Guangdong, China	No official website

Electromechanical, MEMS

Supplier	Address: Manufacturing or Headquarters	Website
Memsensing	Headquarters: Suite 501, Bldg NW-09, 99 Jin Ji Hu Rd, Suzhou Industrial Park, 215123, China	www.memsensing.com
Jiangsu Yu Cheng ★ Program	Manufacturing: South Area of Industrial District, Benniu Town, Changzhou, Jiangsu, 213131, China	qsy.cz001.com.cn/co.asp?id=4718
Baolong Electronics ★ Program	Manufacturing: No.388, East Ningkan Road, Yueqing City, Zhejiang, China	www.baolong.com
Tianjia ★ Program	Manufacturing: 171 Yu Yin Road, YaoBei village, Hong Qiao, Yue Qing, ZheJiang, China	www.cntjdz.net

Connectors, Clips, Spring Contacts, Cables

Supplier	Address: Manufacturing or Headquarters	Website
CviLux Corporation	Manufacturing: 9F, No.9, Lane 3, Sec.1, Chung-Cheng East Road, Tamshui, New Taipei City 25147, Taiwan	www.cvilux.com
Assem Tech	Manufacturing: No.17, Minquan St., Tucheng Dist., New Taipei City, 236, Taiwan	www.assem.com.tw
Molex	Manufacturing: No 363, Bailu Road, Kunshan City, Jiangsu province, China	www.molex.com
Kunzhon Electronics	Manufacturing: Fenghuangshan industrial zone, shajiao Humen Town, DongGuan City, GuangDong Province, China	No official website
JustConnector Kushan	Manufacturing: No.1389, Zizhu Road, Yushan Town, Kunshan City, Jiangsu Province, China	No official website
Goldenconn Electronics	Manufacturing: No.777 Xiuhu West Road, Wujiang Economic Development Zone, Suzhou, 215200, China	www.goldenconn.com
Electric Connector Technology (ECT)	Manufacturing: No.8-A Building, Jinxiu Industrial Park, Xitian Village, Gongming, Bao'an, Shenzhen, China	www.ectsz.com
Hirose	Headquarters: 5-5-23 Osaki, Shinagawa-ku, Tokyo, Shinagawa-ku, Tokyo, Japan	www.hirose.com
Speed Tech	Manufacturing: No. 568, Sec 1, Minsheng N. Road., Kweishan Hsiang, Taoyuan Hsien, 33393, Taiwan	www.speedtech.com.tw
Yuliang Electronics	Manufacturing: No. 168, Hankun Road, Kunshan City, Jiangsu province, China	www.cylconn.com
Murata	Headquarters: 10-1, Higashikotari 1-chome, Nagaokakyo-shi, Kyoto 617-8555, Japan The parts Murata supplies for Fairphone 3 are produced in China, Philippines, Japan, and Singapore.	www.murata.com
Molex	Manufacturing (Suzhou Fuxing Rui Electronics): No 363, Bailu Road, Kunshan City, Jiangsu province, China	www.yokowoconnector.com

Display, Touch Screen

Supplier	Address: Manufacturing	Website
DJN Optronics Technology	Manufacturing: Building A5 & A6, Phoenix No.3 Industrial Zone, Shenzhen, Guangdong, China	www.djnlcd.com
Dolfa Technology	Manufacturing: South of Dongye Road, Hou Jie Technology industry Park, Dongguan, Guangdong, China	www.dolfa.com/
Corning	Headquarters: One Riverfront Plaza Corning, New York 14831, USA	www.corning.com

Cameras

Supplier	Address: Manufacturing	Website
O-Film	Manufacturing: OFILM Park, Huafa Section, Songbai Road, Gongming street, Baoan District, Shenzhen, Guangdong, China	www.o-film.com/en/
Holitech Technology	Manufacturing: CCM business unit, Heli Technology park, Taihe Industrial Park, Jian City, Jiangxi Province, 343700, China	www.holitech.net/

Printed Circuit Board

Supplier	Address: Manufacturing	Website
Gold Circuit Electronics ★ Program	Manufacturing: No.16 Dongnan Road, Changshu New & Hi-tech Industrial Development Zone, Changshu City, Jiangsu, 215500, China	www.gce.com.tw
Jiangsu-SUDA Special Chemical	Manufacturing: 88 Nancun Rd, Wujiang Qu, Suzhou Shi, Jiangsu Sheng, China	www.sudachem.com
Huaxi Copper Products	Manufacturing: Huaxi Village, Jiangsu, China	www.hxcty.com
Zhangjiagang United Copper	Manufacturing: Sanxing Street Jinfeng Town Zhangjiagang, 215624, China	www.lianhecopper.com

Flexible Printed Circuits

Supplier	Address: Manufacturing	Website
Zhuhai All-Winner FPC	Manufacturing: 17 Kuiqing road, Qingxi, Dongguan, Guangdong, China	www.kinwong.com

Soldering Paste

Supplier	Address: Manufacturing	Website
AIM Solder ★ Program	Manufacturing: No. 1208-1, Chenwang Road, Taihu Street, Changxing County, Huzhou City, Zhejiang Province, 313100, China	www.aimsolder.com

Battery

Supplier	Address: Manufacturing	Website
Fuji Electronics	Manufacturing: 10th building, 2nd industrial district, Tangxiachong Industry Ave, Baan Qu, Shenzhen Shi, Guangdong Sheng, China	www.fujielectronics.com.cn

Plastics

Supplier	Address: Manufacturing	Website
Creator Solutions	Manufacturing: No. 5 HongFeng Road, SIP (Suzhou Industry Park), Suzhou, 215021, China	www.creator-solutions.com
Lotte Advanced Materials	Manufacturing: 334-27 Yeosusandan-ro Yeosu, Jeollanam-do, South Korea	www.lotteadms.com

Shields, Metal Parts, Screws

Supplier	Address: Manufacturing	Website
H.N.M	Manufacturing: No.1 Gaoding Rd, Kunshan Shi, Suzhou Shi, Jiangsu Sheng, China	www.hnm.com.cn
Chuangjuren Electronics	Manufacturing: NO. 123, Fuhua Rd, Wujiang Qu, Suzhou Shi, Jiangsu Sheng, 215200, China	No official website
Heryang technology	Manufacturing: NO.6, Zhengfa Industrial Park, Baixue new Rode Dongnan Development Zone, Changshu City Jiangsu province, China	No official website

Packaging , Labels, Adhesive

Supplier	Address: Manufacturing	Website
HSIN YI DE (KUN SHAN)	Manufacturing: 136, Dongrong Road, Kunshan Shi, Suzhou Shi, Jiangsu Sheng, 215300, China	www.guoxinyao.diytrade.com
Kunshan Yilin Printing	Manufacturing: NO.1378, Fushikang RD Chengbei Yushan Town, Kunshan City, Jiangsu, China	No official website
RUN HAO	Manufacturing: 218, Maopeng Rd, Wuzhong Qu, Suzhou Shi, Jiangsu Sheng, 215164, China	No official website
ChangHong	Manufacturing: Zone A, Weiting Industry Park, Weixin Rd, Wuzhong Qu, Suzhou Shi, Jiangsu Sheng, China	www.chbzzp.cn
Suzhou Hualong Adhesive	Manufacturing: 58, Xingwu Road Wuzhong Economic Development Zone, Suzhou, 215128, China	www.huamao-auto.com

Accessories

Supplier	Address: Manufacturing or Headquarters	Website
SKECH	Manufacturing (Sunonline Precision): Building 1 to 3, Hengzhao Industrial Zone, Hongqiaotou Community, Yanluo Street, Baoan District, Shenzhen, Guangdong, China	www.skechit.com
ABP	Manufacturing: B2 Building, Xin Hao Sheng Ding Feng Industrial zone, Fuhai Street, Bao'an District, Shenzhen 518103, China	www.abp.com.hk
Jetvox	Headquarters: No. 22, Dalin Rd., Taoyuan Dist., Taoyuan City, 330, Taiwan	www.jvox.com.tw
Mconomy	Manufacturing (Besky Electronics): Chengtian Industrial Park, Shatian Town, Dongguan City, Guangdong Sheng, China	www.mconomy.nl
Interconnect Products [Freeport]	Manufacturing: No. 29 Haibin Rd., WuSha the 6th Industrial Ave., Chang-an Town, Dongguan City, Guangdong Province, China	www.freprt.com