

List of Suppliers for the Fairphone 2

Consumer electronics supply chains include several complex, often opaque tiers of suppliers, ranging from first-tier assembly manufacturers (direct suppliers) to second, third and sometimes even fourth-tier component manufacturers. Many electronics manufacturers only have insight into their direct suppliers and perhaps some second-tier component manufacturers.

At Fairphone, we are working to gain an in-depth understanding of the complicated

layers of our supply chain. In addition to our first-tier assembly manufacturer, we have mapped all second-tier suppliers, and are progressively including third and fourth-tier suppliers in our research. By uncovering all of the different players and manufacturing locations in our smartphone supply chain, we can start engaging with suppliers, establishing relationships and initiating programs for improvement.

Understanding our List of Suppliers

The list below includes all of the first, second and third-tier suppliers that we know of to date, and it is accurate to the best of our knowledge at the time of publication. We will periodically update the information in this document as we learn more.

Here is a bit more information about how the list is arranged:


Locations: 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.

Tiers: Supplier tiers are calculated from the point of the final assembly. So the final assembly partner (for example Hi-P) is tier 1, (component) suppliers to Hi-P are tier 2, and their (component) suppliers make up tier 3, etc.

Suppliers included: This list includes our first-tier assembly manufacturer and all component manufacturers that we have mapped to date. To provide a clear overview, it does not include refiners, smelters, traders or mines.


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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  symbol indicates that a supplier was included in one of these supplier engagement initiatives.

Please note: This list reflects the suppliers currently providing components for the Fairphone 2. 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.

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Phone Assembly - Fairphone 2

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
1	Hi-P Suzhou EMS 	<i>Manufacturer:</i> No. 86 LiuFeng Road, WuZhong District, Suzhou, China	www.hi-p.com

Semiconductors - Integrated Circuits, Discretes & LEDs

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
3	FNK Semiconductor	<i>Headquarters:</i> Huizhou City Jiangbei Yunshan Xiludewei Building 607, China	www.fnk-tech.com/
2	Infineon Technologies	<i>Manufacturer:</i> Lot 10 & 11, Industrial Zone Phase II, Kulim Hi-Tech Park 9000, Kulim, Malaysia	www.infineon.com
2	KEC Corporation	<i>Manufacturer:</i> 41, Suchul-Daero, Gumi-Si, Gyeongsangbuk-Do, Korea	www.keccorp.com
2	Murata	<i>Manufacturer:</i> 747, Magi, Otsuki-machi, Otsuki-shi, Yamanashi 401-0016, Japan	www.murata.com
2	ON Semiconductors	<i>Manufacturer:</i> 11900 Plot 101, Zon Perdagangan, Bebas Fasa 2, Bayan Lepas, Pulau Pinang, Malaysia	www.fairchildsemi.com
3	Omnivision	<i>Headquarters:</i> 4275 Burton Drive, Santa Clara, California, 95054, USA	www.ovt.com
2	Osram Opto Semiconductors	<i>Manufacturer:</i> Bayan Lepas Free Industrial Zone Phase 1, 11900 Bayan Lepas Penang, Malaysia	www.osram.com/os/
2	Qorvo	<i>Manufacturer:</i> No 17 Tongji Middle Road Industrial Park of Beijing Economic and Technological Development Area Daxing, Beijing 100176 China	www.qorvo.com
2	RICOH	<i>Manufacturer:</i> 1014 Miyabara-cho, Kofu, Yamanashi 400-0058, Japan	www.ricoh.com
2	ROHM	<i>Manufacturer:</i> Navanakorn Industrial Estate, Moo 20 Phaholyothin Road, Tambol Khlong-Nung Amphur, Khlong-Luong, Pathumthani 12120, Thailand	www.rohm.com
2	Samsung Sanyo	<i>Headquarters:</i> 129 Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea	www.samsung.com
3	Seiko Instruments	<i>Headquarters:</i> 1-8, Nakase, Mihamaku, Chiba-shi, Chiba 261-8507, Japan	www.sii-ic.com/en/semicon/
2	Skyworks Solutions	<i>Headquarters:</i> 20 Silvan Road, Woburn, Massachusetts, 01801, USA	www.skyworksinc.com
2	Taiwan Semiconductor Manufacturing co. (TSMC)	<i>Manufacturer:</i> 8, Li-Hsin Rd. 6, Hsinchu Science Park, Hsinchu 300-78, R.O.C, Taiwan	www.tsmc.com
2	Texas Instruments	<i>Manufacturer:</i> Loakan Road, Philippine Economic Zone Authority, Baguio City, 2600, Benguet, Philippines	www.ti.com

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Passives

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
2	Avago Technologies - Broadcom Limited	<i>Manufacturer:</i> 11900 Bayan Lepas Free Ind. Zone Phase 3, Penang Pulau Pinang, 11900 Malaysia	www.broadcom.com
2	AVX ★ Program	<i>Manufacturer:</i> 690-2, Miozato, Adogawa-CHO, Takashima city, Shiga, Japan	www.avx.com
2	Coilcraft	<i>Manufacturer:</i> 333 Provincial Rd Meixian, Meizhou, Guangdong, China	www.coilcraft.com
2	Cyntec	<i>Manufacturer:</i> No. 2, Xin'an Rd, East District, Hsinchu City, 300 Taiwan	www.cyntec.com
2	KOA Speer Electronics	<i>Manufacturer:</i> No.77 Luoyang East Road, Taicang Economy Development Area, Taicang, Jiangsu province, China	www.koaspeer.com
2	Murata	<i>Manufacturer:</i> 108 Ozowara, Echizencho, Nyu-gun, Fukui 916-0273, Japan	www.murata.com
2	Nihon Dempa Kogyo (NDK)	<i>Headquarters:</i> Merkmal Keio Sasazuka Bldg., 1-47-1, Sasazuka, Shibuya-ku, Tokyo, 151-8569, Japan	www.ndk.com
2	ON Semiconductors	<i>Headquarters:</i> 5005 East McDowell Road Phoenix, Arizona 85008 USA	www.onsemi.com
2	Panasonic Sanyo	<i>Manufacturer:</i> 401 Sadamasa-cho, Fukui City 910-8502, Japan	www.panasonic.net/sanyo/
2	Samsung Electronics	<i>Headquarters:</i> 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea	www.samsung.com
3	Sensicom Xianqiao	<i>Manufacturer:</i> Hengfu Industrial Zone, Dongjiang, Qiaotou Town, Dongguan, China	www.sensicom.net
2	Taiyo Yuden	<i>Manufacturer:</i> No.102 Keji Dong Road, Shi Jie Town, Dongguan City, Guangdong Province, 523290, China	www.t-yuden.com
2	TDK Corporation	<i>Headquarters:</i> Shibaura Renasite Tower, 3-9-1 Shibaura, Minato-ku, Tokyo, Japan	www.global.tdk.com
2	Toko inc	<i>Headquarters:</i> 18, Ohaza, Gomigaya, Tsurugashima-shi, Saitama-ken, 350-2281, Japan	www.toko.co.jp
2	Walsin Technology	<i>Manufacturer:</i> Dalangzhen, Dongguan, Guangdong 523799, China	www.passivecomponent.com
2	Yageo Corporation	<i>Manufacturer:</i> No. 10 Zhuyuan Rd, Huqiu, Suzhou, Jiangsu, China	www.yageo.com

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Electromechanical, MEMS

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
2	Asahi Kasei (AKM)	<i>Headquarters:</i> Jinbocho-Mitsui Building 1-105 Kanda Jinbocho, Chiyoda-ku Tokyo 101-8101, Japan	www.akm.com
2	Knowles Electronics LLC	<i>Headquarters:</i> 1151 Maplewood Drive Itasca, Illinois 60143, USA	www.knowles.com
2	KOTL ★ Program	<i>Manufacturer:</i> Jinlong Technology Zone, Jingang Road Baixiang Yueqing Zhejiang 325603, China	www.vibration-motor.com
2	Panasonic Sanyo	<i>Manufacturer:</i> 49 Dongjing Rd Huangdao, Qingdao, Shandong, China	www.panasonic.net/sanyo
2	ST Microelectronics	<i>Headquarters:</i> 39, Chemin du Champ des FillesPlan-Les-Ouates, Geneva, Switzerland	www.st.com
3	Tianjia ★ Program	<i>Manufacturer:</i> No. 171 Yu Yin Road, YaoBei village, Hong Qiao Town, Yue Qing, ZheJiang, China	No website

Connectors, Clips, Spring Contacts, Cables

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
2	Advanced Connectek (ACON)	<i>Manufacturer:</i> Jinbin General Building No.5, No.45, Muning Road, TEDA Tian-Jin, P. R. China	www.acon.com/zh-tw/home
2	Amphenol	<i>Manufacturer:</i> Block B, No. 6 Fengxi Road, South District Wujin Hi-Tech Industrial Zone Changzhou City, Jiangsu Province Post 213164, China	www.amphenol.com
2	Electric Connector Technology (ECT)	<i>Manufacturer:</i> Bldg. 8-A, Jinxiu Industrial Park, Xitian Village, Gongming Town, Bao'an District, Shenzhen, China	www.ectsz.com
2	GSN	<i>Manufacturer:</i> 160 Gloucester Rd, Wan Chai, Hong Kong	www.gsn.cn.com
2	Hirose	<i>Headquarters:</i> 5-5-23 Osaki, Shinagawa-ku, Tokyo, Shinagawa-ku, Tokyo, Japan	www.hirose.com
2	Japan Aviation Electronics Industry (JAE)	<i>Headquarters:</i> 21-2, Dogenzaka 1-chome, Shibuya-ku, Tokyo 150-0043, Japan	www.jae.com
2	Luxshare ICT	<i>Manufacturer:</i> Block A, SANYO New Industrial Zone, West Haoyi Community, Shajing, BaoAn District, Shenzhen, GuanDong, 518104 China	www.luxshare-ict.com
2	Murata	<i>Manufacturer:</i> 108 Ozowara, Echizencho, Nyu-gun, Fukui 916-0273, Japan	www.murata.com
3	Yokowo	<i>Manufacturer:</i> Plot 69 Kulim Industrial Estate, 09000 Kulim, Kedah, Malaysia	www.yokowoconnector.com

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Display, Touch Screen

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
3	Japan Display Inc / Taiwan Display Inc (JDI/TDI)	<i>Headquarters:</i> 7-1, Nishi-shinbashi 3-chome, Minato-ku, Tokyo, 105-0003, Japan	www.j-display.com
2	Truly Semiconductors	<i>Manufacturer:</i> North Of The Dong Chong Road, Truly Industrial Area, Shanwei City, Guangdong Province, China	www.trulysemi.com

Cameras

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
3	Ningbo JCT Electronics	<i>Headquarters:</i> No. 77 Chengshan Road, Fenghua, Zhejiang 0, 315500, China	www.jctvcm.com/
2	Sunny Optical Technology	<i>Manufacturer:</i> No. 66-68, Shunyu Road, Yuyao, Zhejiang, China	www.sunnyoptical.com

Lenses


Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
2	CCL Design Electronics	<i>Manufacturer:</i> Baihe St Wuzhong, Suzhou, Jiangsu, China	www.ccldesignelectronics.com/
3	Corning	<i>Headquarters:</i> One Riverfront Plaza Corning, New York 14831, USA	www.corning.com
3	Largan Precision	<i>Headquarters:</i> No.11, Jingke Rd., Nantun Dist, Taichung City 40852, Taiwan	www.largan.com.tw/html/about/about_en.asp

Printed Circuit Board

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
2	AT&S ★ Program	<i>Manufacturer:</i> 5000 Jindu Road, Minhang District, Shanghai, China	www.ats.net
3	Meiyadi	<i>Headquarters:</i> BAOAN HUANGTIAN, Shenzhen, Guangdong Shenzhen, China	No website

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Flexible Printed Circuits

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
2	Hi-P Suzhou Flex 	<i>Manufacturer:</i> No. 86 LiuFeng Road, WuZhong District, Suzhou, China	www.hi-p.com

Soldering Paste

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
2	AIM Solder 	<i>Manufacturer:</i> No. 264 Xiangshan Road, Luotian Village, Songgang Town, Baoan District, Shenzhen City, Guangdong Province 518105 P.R. China	www.aimsolder.com
3	Alpha Assembly Solutions	<i>Headquarters:</i> Energiestraat 21, 1411 AR Naarden, The Netherlands	www.alpha.alent.com

Battery

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
1	3Sun 	<i>Manufacturer:</i> No.10 JinLong Road 1, Lianchuang Technical Zone, Longgang, Shenzhen, China	www.3sun.com.cn
2	Maxell-Hitachi	<i>Manufacturer:</i> No. 15 Hang Chuang First Road, Wuxi Singapore Industrial Park, Jiangsu 214028, China	www.maxell.com

Printed Circuit Board Assembly

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
2	TianPower	<i>Manufacturer:</i> Building 26, The 6th Industrial Park, Yulu Gongming, Shenzhen, China	www.tian-power.com/en

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Plastics and Rubbers

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
3	BASF	<i>Headquarters:</i> Carl-Bosch-Strasse 38 67056 Ludwigshafen, Germany	www.basf.com
1	Broadway Group ★ Program	<i>Manufacturer:</i> Block 34, East Juhuang Industrial Park, Dasan, Guanlan Community Office, Bao An District, Shenzhen 518110, China	www.bw-grp.com/
3	ChiMei Incorporation	<i>Manufacturer:</i> No.18, Hanfeng Rd., Dagang Zhenjiang New Area, Jiangsu Province, China	www.chimeicorp.com
3	Covestro	<i>Headquarters:</i> Kaiser-Wilhelm-Allee 60, 51373 Leverkusen, Germany	www.covestro.com/
3	EMS Grivory	<i>Headquarters:</i> Via Innovativa 1 7013, Domat/Ems, Switzerland	www.emsgrivory.com
4	Fenghua Xuri Hongyu Group	<i>Manufacturer:</i> 229 Si Ming Dong Lu, Fenghua Shi, Ningbo Shi, Zhejiang Sheng, China	www.xurihongyugroup.com/
2	General Silicones	<i>Manufacturer:</i> No.168 Youdong Road, Luxu town, Wujiang City, JiangSu Province, 225211, China	www.generalsilicones.com
3	PolyOne	<i>Manufacturer:</i> 77 Shenggang Street, SIP Suzhou, 215024, China	www.polyone.com/
2	Hi-P Suzhou Molding ★ Program	<i>Manufacturer:</i> No. 86 LiuFeng Road, WuZhong District, Suzhou, China	www.hi-p.com
3	Huntsman Corporation	<i>Manufacturer:</i> 45F Maxdo Centre, 8 Xing Yi Road, Shanghai, 200336, China	www.huntsman.com
3	Lotte Advanced Materials	<i>Manufacturer:</i> 334-27, Yeosusandan-ro, Yeosu-si, Jeollanam-do (Pyeongyeo-Dong), South Korea	www.lotteadms.com/
3	Polyplastics	<i>Headquarters:</i> JR Shinagawa East Bldg., 18-1, Konan 2-chome, Minato-ku, Tokyo 108-8280, Japan	www.polyplastics.com/
3	Sabic	<i>Headquarters:</i> Al-Jubail 31961, Saudi Arabia	www.sabic.com

Shields, Metal Parts, Screws, Inserts

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
3	Chuangtengda	<i>Manufacturer:</i> Jiuwei Rd, Baoan Qu, Shenzhen Shi, Guangdong Sheng, China	www.szctdwj.com/
3	Jintaitong Precise Hardware	<i>Manufacturer:</i> Jindacheng Building 6d, Zhongxin Road, Shajing, Shenzhen, China	No website
2	LaiMu	<i>Manufacturer:</i> No. 8 Sheng Long Road, Jiuting Town, Songjiang District, Shanghai, China	laimu.company.weiku.com
3	PennEngineering (PEM)	<i>Headquarters:</i> 5190 Old Easton Rd. Danboro, PA 18916. USA	www.pemnet.com
2	PSM International	<i>Manufacturer:</i> Binhu Qu, Wuxi Shi, Jiangsu Sheng 214028, China	www.psminternational.com
3	TengMei	<i>Manufacturer:</i> No. 6, Shi Chang Bei Street, Fu Hai Road, Xiagang Community, Changan Town, Dongguan City, Guangdong Province, China	No website

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Gaskets, Pads, Meshes, Foil, Labels

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
2	Fabri-Tech	<i>Manufacturer:</i> Factory No. 1, Gangtian Road Suzhou Industrial Park. Suzhou 215024, China	www.fabritech.net
2	Kunshan Youwei Electronic Materials	<i>Manufacturer:</i> 555 HonGuang Road, Kunshan 215316, China	http://ksyw.cn/
2	Parker Chomerics	<i>Headquarters:</i> Woburn, Massachusetts, USA	www.chomerics.com
3	Rogers Corporation	<i>Headquarters:</i> One Technology Drive, Rogers, Connecticut 06263, USA	www.rogerscorp.com
3	Saati	<i>Headquarters:</i> Via Milano 14 22070, Appiano Gentile, Italy	www.saati.com

Adhesives

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
3	3M	<i>Headquarters:</i> St. Paul, Minnesota, 55144, USA	www.3m.com
2	Nitto Denko	<i>Headquarters:</i> 33rd Floor, Grand Front Osaka, 4-20, Ofuka-cho, Kita-ku, Osaka 530-0011, Japan	www.nitto.com
3	Sekisui Chemical	<i>Headquarters:</i> 2-3-17 Toranomom, Minato-ku, Tokyo 105-8450 Japan	www.sekisuicheical.com/
3	Tesa	<i>Headquarters:</i> Quickbornstraße 24, 20253, Hamburg, Germany	www.tesa.com

Metal (finish)

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
3	Mitsui	<i>Headquarters:</i> 11/F, Tower 2, Jinghope Plaza88, Huachi Street, SIP Suzhou, 215021, China	www.nitto.com
3	Nippon Steel and Sumimoto Metals	<i>Headquarters:</i> 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8071, Japan	www.nssmc.com/
3	Uyemura	<i>Headquarters:</i> 3990 Conours, #425 • Ontario, CA 91764, USA	www.uyemura.com/
3	Zhaojin Kanfort ★ Program	<i>Manufacturer:</i> No.288 Guoda Road, Zhaoyuan City, Shandong Province, China	www.zjlifu.com

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Packaging

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
3	Arjo Wiggins	<i>Manufacturing:</i> 17 Rue du 8 Mai 1945, 72310 Bessé-sur-Braye, France	www.arjowiggins.com/
2	Ecodrukkers	<i>Manufacturing:</i> Handelsweg 2, 2421 LP Nieuwkoop, The Netherlands	www.ecodrukkers.nl/
2	PaperFoam	<i>Manufacturing:</i> Hermesweg 22 3771 ND Barneveld, The Netherlands	www.paperfoam.com
1	Paxpring	<i>Headquarters:</i> Achteromstraat 8a 1381 AV, Weesp, The Netherlands	www.paxpring.com/
2	Shenzhen YUTO Printing Packing (SZ Yuto)	<i>Manufacturer:</i> Yuto Industrial Park, 10 Shi Huan Lu, Baoan Qu, Shenzhen, Guangdong Sheng, China	www.yuto.com.au/
3	Taiwan Lung Meng Technology	<i>Manufacturing:</i> 20, Huangong Rd, Yongkang District, Tainan City, 710, Taiwan	www.taiwanlm.com/

The following suppliers do not have their own manufacturing facilities, so only the headquarters are listed. If known, the manufacturing facilities for the related components are listed above.

Integrated Circuits

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
2	Qualcomm	<i>Headquarters:</i> 5775 Morehouse Drive, San Diego, California, USA	www.qualcomm.com
2	Synaptics	<i>Headquarters:</i> 1251 McKay Dr. San José, California, 95131, USA	www.synaptics.com