

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.

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 ★ Program 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.



Phone Assembly - Fairphone 2

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

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Semiconductors- Integrated Circuits, Discretes & LEDs

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
2	CITIZEN	<i>Headquarters: 1-23-1, Kamikurechi, Fujiyoshida-shi, Yamanashi-ken, 403-0001, Japan</i>	http://ce.citizen.co.jp
3	FNK	<i>Headquarters: Huizhou City Jiangbei Yunshan Xiludewei Building 607, China</i>	http://www.fnk-tech.com/
2	Fairchild	<i>Manufacturer: 11900 Plot 101, Zon Perdagangan, Bebas Fasa 2, Bayan Lepas, Pulau Pinang, Malaysia</i>	www.fairchildsemi.com
2	Infineon	<i>Manufacturer: Lot 10 & 11, Industrial Zone Phase II, Kulim Hi-Tech Park 9000, Kulim, Malaysia</i>	www.infineon.com
2	KEC	<i>Manufacturer: 41, Suchul-Daero, Gumi-Si, Gyeongsangbuk-Do, Korea</i>	www.keccorp.com
2	Murata	<i>Manufacturer: 747, Magi, Otsuki-machi, Otsuki-shi, Yamanashi 401-0016, Japan</i>	www.murata.com
3	Omnivision	<i>Headquarters: 4275 Burton Drive, Santa Clara, California, 95054, USA</i>	www.ovt.com
2	Qorvo	<i>Semiconductor packaging: No 17 Tongji Middle Road Industrial Park of Beijing Economic and Technological Development Area Daxing, Beijing 100176 China</i>	www.qorvo.com
2	RICOH	<i>Manufacturer: 1014 Miyabara-cho, Kofu, Yamanashi 400-0058, Japan</i>	www.ricoh.com
2	ROHM	<i>Manufacturer: Navanakorn Industrial Estate, Moo 20 Phaholyothin Road, Tambol Khlong-Nung Amphur, Khlong-Luong, Pathumthani 12120, Thailand</i>	www.rohm.com
2	Samsung	<i>Headquarters: 1-8, Nakase, Mihamaku, Chiba-shi, Chiba 261-8507, Japa</i>	http://www.sii-ic.com/en/semicon/
3	Seiko Instruments	<i>Headquarters: 1-8, Nakase, Mihamaku, Chiba-shi, Chiba 261-8507, Japa</i>	http://www.sii-ic.com/en/semicon/
2	Skyworks	<i>Headquarters: 20 Silvan Road, Woburn, Massachusetts, 01801, USA</i>	www.skyworksinc.com
3	Taiwan Semiconductor Manufacturing co. (TSMC)	<i>Manufacturer: 8, Li-Hsin Rd. 6, Hsinchu Science Park, Hsinchu 300-78, R.O.C, Taiwan</i>	www.tsmc.com

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Passives

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
2	AVAGO	<i>Manufacturer:</i> 11900 Bayan Lepas Free Ind. Zone Phase 3, Penang Pulau Pinang, 11900 Malaysia	www.avagotech.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	Kamaya	<i>Headquarters:</i> 8-4-17 Fukayanaka, Ayase-shi, Kanagawa, 252-1107, Japan	www.kamaya.com
2	KOA	<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	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	<i>Manufacturer:</i> 401 Sadamasa-cho, Fukui City 910-8502, Japan	www.industrial.panasonic.com
2	Samsung	<i>Headquarters:</i> 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea	www.samsung.com
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	<i>Headquarters:</i> Shibaura Renasite Tower, 3-9-1 Shibaura, Minato-ku, Tokyo, Japan	www.global.tdk.com
2	TOKO	<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
3	Sensicom Xianqiao	<i>Manufacturer:</i> Hengfu Industrial Zone, Dongjiang, Qiaotou Town, Dongguan, China	http://www.sensicom.com.cn/
2	Yageo	<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	<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	<i>Manufacturer:</i> 49 Dongjing Rd Huangdao, Qingdao, Shandong, China	www.industrial.panasonic.com
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	

Connectors, Clips, Spring Contacts, Cables

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
2	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	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> 15/F OTB BUILDING, 160 GLOUCESTER ROAD, HONG KONG, SN 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	JAE	<i>Headquarters:</i> 21-2, Dogenzaka 1-chome, Shibuya-ku, Tokyo 150-0043, Japan	www.jae.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

Display/ Touch

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

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Cameras

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
2	Ningbo Sunny Optotech	<i>Manufacturer:</i> No. 66-68, Shunyu Road, Yuyao, Zhejiang, China	www.sunnyoptical.com
3	JCT	<i>Headquarters:</i> No. 77 Chengshan Road, Fenghua, Zhejiang 0, 315500, China	www.jctvcm.com/about_1.asp

Lenses

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
3	Corning	<i>Headquarters:</i> One Riverfront Plaza Corning, New York 14831, USA	www.corning.com
2	Worldmark	<i>Manufacturer:</i> Baihe St Wuzhong, Suzhou, Jiangsu, China	www.worldmark.com
3	Largan	<i>Headquarters:</i> No.11, Jingke Rd., Nantun Dist, Taichung City 40852, Taiwan	http://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

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 ★ Program	<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	<i>Headquarters:</i> Energiestraat 21, 1411 AR Naarden, The Netherlands	http://alpha.alent.com

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Battery

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
1	3Sun ★ Program	Manufacturer: No.10 JinLong Road 1, Lianchuang Technical Zone, Longgang, Shenzhen, China	www.3sun.com.cn
2	Maxell	Manufacturer: 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	Manufacturer: Building 26, The 6th Industrial Park, Yulu Gongming, Shenzhen, China	http://www.tian-power.com/en

Plastics and Rubbers

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
3	BASF	Headquarters: Carl-Bosch-Strasse 38 67056 Ludwigshafen, Germany	www.basf.com
3	Chimei	Manufacturer: No.18, Hanfeng Rd., Dagang Zhenjiang New Area, Jiangsu Province, China	www.chimeicorp.com
3	EMS Grivory	Headquarters: Via Innovativa 17013, Domat/Ems, Switzerland	www.emsgrivory.com
2	General Silicones	Manufacturer: No.168 Youdong Road, Luxu town, Wujiang City, JiangSu Province, 225211, P.R. China	www.generalsilicones.com
3	GLS Thermoplastic (Polyone)	Manufacturer: 77 Shenggang Street, SIP Suzhou, 215024, China	www.polyone.com/
2	Hi-P Suzhou Molding	Manufacturer: No. 86 LiuFeng Road, WuZhong District, Suzhou, China	www.hi-p.com
3	Huntsman	Manufacturer: 45F Maxdo Centre, 8 Xing Yi Road, Shanghai, 200336, P.R. China	www.huntsman.com
3	Polyplastics	Headquarters: JR Shinagawa East Bldg., 18-1, Konan 2-chome, Minato-ku, Tokyo 108-8280, Japan	http://www.polyplastics.com/
3	Sabic	Headquarters: Al-Jubail 31961, Saudi Arabia	www.sabic.com
3	Lotte Chemicals	Manufacturer: 334-27, Yeosusandan-ro, Yeosu-si, Jeollanam-do (Pyeongyeo-Dong), South Korea	www.samsungchemical.com

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Shields, Metal Parts, Screws, Inserts

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
2	Laimu	<i>Manufacturer:</i> No. 8 Sheng Long Road, Jiuting Town, Songjiang District, Shanghai, China	laimu.company.weiku.com
2	PSM	<i>Manufacturer:</i> Binhu Qu, Wuxi Shi, Jiangsu Sheng 214028, China	www.psminternational.com
2	TengMei	<i>Manufacturer:</i> No. 6, Shi Chang Bei Street, Fu Hai Road, Xiangang Community, Changan Town, Dongguan City, Guangdong Province, China	www.tengmeichina.com
2	PennEngineering	<i>Headquarters:</i> 5190 Old Easton Rd. Danboro, PA 18916. USA	www.pemnet.com

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	Youwei	<i>Manufacturer:</i> No.555, Hon_Guang Road, KUNSHAN 215316, China	no site
2	Parker Chomerics	<i>Headquarters:</i> Woburn, Massachuset, 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	Tesa	<i>Headquarters:</i> Quickbornstraße 24, 20253, Hamburg, Germany	www.tesa.com
3	Sekisui Chemical	<i>Headquarters:</i> 2-3-17 Toranomom, Minato-ku, Tokyo 105-8450 Japan	www.sekisuichemical.com/

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Metal (finish)

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

Packaging

Tier	Supplier	Address: Manufacturer and/or Headquarters	Website
1	Paxpring	<i>Headquarters:</i> Achteromstraat 8a 1381 AV, Weesp, The Netherlands	http://paxpring.com/
2	PaperFoam	<i>Manufacturing:</i> Hermesweg 22 3771 ND Barneveld, The Netherlands	http://www.paperfoam.com/company/
2	Ecodrukkers	<i>Manufacturing:</i> Handelsweg 2, 2421 LP Nieuwkoop, The Netherlands	http://ecodrukkers.nl/

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