

Next-Gen Components

Smart Home Security

- ✓ Key trends
- ✓ Industry outlook
- ✓ 96 Top products
- ✓ 96 Supplier profiles

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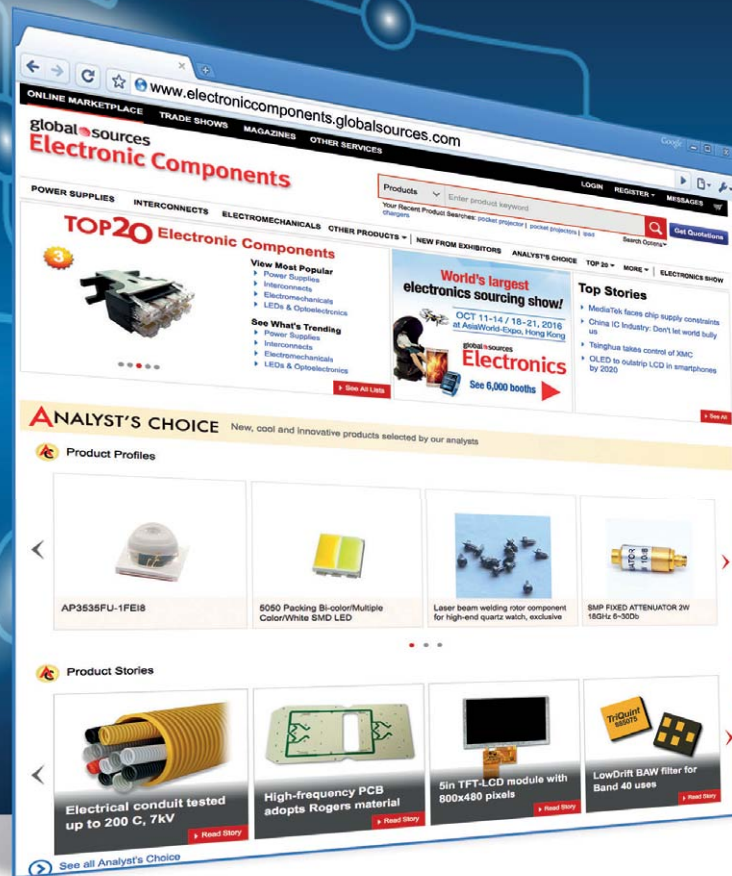
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Next-Gen Components Smart Home Security

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RF cable assemblies for smart home applications

China suppliers of RF cable assemblies bank on the wired technology's advantage of enabling faster, and more reliable and secure connections in connected homes.

Wired technology is expected to remain relevant, especially as a backbone solution, in increasingly connected homes as its wireless counterpart continues to tackle issues of bandwidth, latency and security.

For this reason, companies in China's RF cable assembly industry are positive the category will still lead in smart home applications in coming years. In particular, such wiring products continue to have a strong base in the security and entertainment segments of this market because of advantages of low signal loss and enhanced noise suppression. Many local manufacturers that have raised shipments to meet demand in these sectors therefore anticipate the upward trend will persist.

Fueling the outlook is the rapid growth of the global smart home market in recent years. Research and Markets projects the industry will get bigger by 8 to 10 percent annually and hit up to \$68 billion by 2018. In China, this will reach \$51.5 billion by 2020, according to the Beijing Evening News.

To capitalize on these opportunities, most domestic makers turn out RF cable assemblies that pass international standards, including CE, TIA/EIA 570-A, TÜV and UL.

China has 300 manufacturers of RF cable assemblies spread over the coastal provinces of Guangdong, Zhejiang and Jiangsu. It is the world's largest production base for the line. More than 80 percent of the companies are homegrown businesses and the rest with foreign investment.

Over 150 suppliers offer units for smart home applications, which represent about 20 percent of China's shipments for the category at present. The share may reach 30 percent in the next two years amid demand rise.

The majority of China makers allocate 30 to 80 percent of output for export markets.

75ohm types in mainstream supply

RF cable assemblies with 75ohm impedance make up the common range in China. These have gold- or nickel-plated male or female connectors with TPE cover, oxygen-free copper conductor, aluminum or tinned-copper braid and PVC jacket. Cables may come in custom lengths. Typical models are usually 0.5, 1, 1.5, 2 or 3m long. Various colors are available.

In addition to units for smart home products, China manufacturers have selections for the communications, networking, military and railways sectors. They also turn out other cable assemblies such as LAN and fiber-optic types.

Most companies obtain copper, gold, nickel, PVC, TPE and PE from local providers. Some also use imported materials, specifically plastic, in compliance with buyers' requests. A few have in-house capability to produce their own connectors, while the rest outsource them.

The stable cost and the sufficient supply of manufacturing inputs are expected to keep product prices unchanged throughout 2017.

FR-4 PCBs for security products

China manufacturers of FR-4 PCBs are maximizing opportunities in security products, and continue to target uses in video surveillance, intruder alarms and access control. The market remains relatively small with about 10 percent share of the board's production value locally and worldwide, but is broadening at a steady rate. Besides greater penetration in the transport, retail, health and education sectors, there is the Internet of Things that is driving the security segment. Sales of equipment are forecast to total \$42 billion by 2020, according to Memoori, from \$27.25 billion in 2015.

Video surveillance products are still the biggest demand driver, accounting for about 54 percent of the market, followed by intruder alarms with 23.5 percent and access control 22.5 percent. For these applications, domestic suppliers offer single-, double-sided, multilayer and HDI FR-4 PCBs with 1.6mil minimum line width and spacing. In the multilayer category, the highest count that they can achieve surpasses 60 layers. Such specifications can meet the requirements of security devices and equipment.

FR-4 boards make up the largest PCB category in China and the world. These are widely used in the computer, communications, consumer electronics, automotive electronics, industrial, medical, security and military sectors. The first three collectively account for more than 70 percent of the line's local and global production value.

As requirement in these industries climbs, companies anticipate an annual revenue increase of about 10 percent, which is higher than the projection made in 2014. Some have responded with expanded production capacity.

About 1,500 suppliers make up the FR-4 PCB production pool in China, and all can offer models for

security products. They include a number of major international players such as Unimicron, Tripod, Nanya, Compeq, Kingboard and HannStar. Their combined output represents about half of the global volume.

The Pearl River and Yangtze River Delta regions and the Bohai Bay Rim Economic Region remain the key hubs for the line in China. In recent years, there has been migration to the provinces of Jiangxi, Sichuan, Hubei, Hunan and Anhui, and the Chongqing municipality.

Double-sided, multilayer FR-4 PCBs

For security devices and equipment, China companies turn out mainly double-sided and multilayer types, which constitute more than 70 percent of production value. In the latter segment, units with four, six and eight layers dominate.

Makers can provide models with line width and spacing of 2, 2.5, 3, 4 or 5mil, hole size of 0.1, 0.15, 0.2, 0.25 or 0.3mm, surface finish of ENIG, HASL, OSP, immersion silver or tin, flash gold, or gold finger or hard gold plating. In general, companies can match customers' requirements.

Manufacturers use FR-4 CCLs from Shengyi, GDM, Kingboard, Nanya, Iteq, TUC and EMC, and solder mask from Taiyo, Tamura, Goo and GreenCure. They also source the latter from local providers, including Kuangshun, Rongda, 3Q and ABQ.

Copper foil, prepreg, copper granules, tin lead bars, gold salt and chemical materials are from domestic companies.

CCL rates are expected to climb between 5 and 10 percent in coming months, but local makers will maintain quotes to win more orders as competition intensifies.

Next-gen components for smart home security



Power inductor operates in -40 to 125 C

ABC Taiwan Electronics Corp. (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model QS3818

SMD power inductor; ferrite drum core, magnetically shielded; class H enamelled copper wire; Level 1 moisture sensitivity; -40 to 125 C; 260 C soldering at 10s; 0.11g; RoHS

www.globalsources.com/abc.co



Switching power supply uses <0.15W

Adapter Technology Co. Ltd (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model ATS120T-P Series

Switching power supply; 12 to 56V; 120W; <0.15W consumption; CEC, DoE Level VI, Energy Star, ErP II; BSMI, CE, FCC, GS, IEC 60950, PSE, UL

Booth: 9D19

www.globalsources.com/adaptertech.co



USB charging module

Ample Electronic Co. Ltd

(mainland China)

CONTACT SUPPLIER

★★★★☆

Model GS-13-10

USB charging module; 90 to 265VAC, 50/60Hz input; 5±0.25V, 1, 2.1, 3A output; <200mV output ripple wave, noise; ≥75 percent efficiency; built-in safety features

www.globalsources.com/jmample.co



High-frequency transformer

Anhui Shirui Electronic Technology Co. Ltd

(mainland China)

CONTACT SUPPLIER

★★★★☆

Model SRTR1708

High-frequency transformer; ferrite core; horizontal or vertical mount; 2,500Vrms hipot voltage; 40 C typical temperature rise at rated current

www.globalsources.com/shiruitech.co



50VAC/DC, 0.5A FPC connector

Ariba Technology Co. Ltd (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model 835B06

FPC connector; 50VAC/DC, 0.5A; 200V/min withstand voltage; 20mohm contact resistance; matte tin- or gold flash-plated copper alloy terminals; UL94V-0 thermoplastic housing

www.globalsources.com/ariba.co



SMD UHDI connector

Astron Technology Corp. (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model 1892121-0N051T-X

SMD UHDI connector; right angle; UL94V-0 housing; for graphics cards, TVs, PCs, docking stations

www.globalsources.com/astron.co



UHS-II microSD card socket

Attend Technology Inc. (Taiwan)

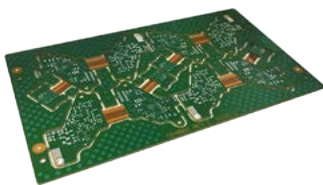
CONTACT SUPPLIER

★★★★☆

Model Micro SD 4.0 Socket-Push-Push SMT Type/112L-TDA0

UHS-II microSD card socket; SMD, push-push, top mount; 3.3VDC, 0.5A; 100mohm contact resistance; 500VAC withstand voltage; up to 255 C soldering; 5,000 cycles

www.globalsources.com/attend.co



8-layer rigid-flex PCB

BCP Technologies Inc. (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model BCP-42

Rigid-flex PCB; 8 layers; FR-4 base; HAL, Alpha Level, gold plating, Entech HAL or tin-gold plating; 0.5 to 3oz copper; RoHS; OEM orders accepted

www.globalsources.com/bcp.co



Carbon-film resistor

C.C. Ohm Enterprise Co. Ltd (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model CF

Carbon-film resistor; 1/6W, 1/4Ws, 1/4W, 1/2Ws, 1/2W, 1Ws, 1W, 2Ws, 2W, 3Ws, 3W, 5Ws, 5W variants; for consumer electronics, computers, telecom equipment; REACH, RoHS

www.globalsources.com/ccohm.co



LED-illuminated rocker switches

Canal Components Inc. (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model X7-Series

Single- or double-pole rocker switches; on-off-on, on-on types; 125/250VAC 16A, 125VAC 20A, 250V 16(4)A μ T125/55, 6 to 30VDC 16A; 20mohm maximum contact resistance; two LED indicators; 10,000 cycles, electrical life span; IP67 rating

www.globalsources.com/canal.co



Stamped stainless steel part

Chang Way Industries Co. Ltd (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model CW-T-00000122

Stamped stainless steel part; nickel plating; custom dimensions; RoHS

www.globalsources.com/changway.co



Piezo buzzer with 95dB minimum output

Changzhou FHD Electronics Co. Ltd

CONTACT SUPPLIER

(mainland China)

★★★★☆

Model BPC4333-1228-SP

Piezo buzzer; 95dB minimum sound output at 12VDC, 10cm; 2,800 \pm 500Hz resonant frequency; rated 12VDC, maximum 30mA; -20 to 70 C; 43mm diameter; 35g; UL 60601-1

www.globalsources.com/cnbuzzer.co



No-mercury, -cadmium alkaline battery

Changzhou Jiangnan Battery Co. Ltd

CONTACT SUPPLIER

(mainland China)

★★★★☆

Model LR6

Alkaline battery; AA or UM-3; M_nO_2 ; 0.00 percent mercury, cadmium; 5-year shelf life; CE, MSDS

Booth: 11K29

www.globalsources.com/midi-max.co



HDI PCB with 6 layers, immersion gold

Cheer Time Enterprise Co. Ltd (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model Q2424A-J95

6-layer HDI PCB; 2+2+2 stackup; FR-4 base; immersion gold; 5mil minimum line width, 4mil spacing; controlled impedance; 0.2mm hole size; 1 oz copper; 1.6mm board thickness; UL

www.globalsources.com/cheer-time.co



F connector for RG-6 cables

Cheng Pu Electronic Co. Ltd (Taiwan)

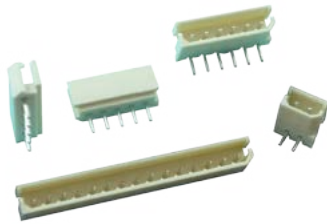
CONTACT SUPPLIER

★★★★☆

Model RG6 Compression F Connector/401-003

F connector for RG-6 cables used in satellite and digital broadband systems; water-resistant

www.globalsources.com/chengpu.co



Wire-to-board wafer with 1mm pitch

Cherg Weei Technology Corp. (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model CCSH-W10-XX

Wire-to-board wafer; SMD; 1mm pitch; 50VAC/DC, 1A; 20mohm maximum contact resistance; tin-plated phosphor bronze pins; UL94V-0 nylon 66 housing; -25 to 85 C

Booth: 9D14

www.globalsources.com/chergwei.co



Silicone rubber printed keypad

CKT Tek Co. Ltd (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model BK971

Silicone rubber printed keypad; custom dimensions, weight, colors

www.globalsources.com/ckt.co



Battery holder with stainless steel contacts

Comfortable Electronic Co. Ltd (Taiwan)

CONTACT SUPPLIER

★★★★★

Model BHC-18650-2P

Battery holder for two 18650 cells; DIP; nickel-plated 301 stainless steel contacts; PBT with 30 percent glass fiber; UL94V-0

www.globalsources.com/comf.co



450mL portable dehumidifier

Comonex Electronics Co. Ltd
(mainland China)

CONTACT SUPPLIER

★★★★☆

Model DH100

Portable dehumidifier; 450mL; auto-shutoff; 12V, 5V output; visible water level; brushless DC fan, detachable front grille, retractable handle; ABS; 3.4kg; CE, RoHS, UL

Booth: 7K16

www.globalsources.com/szcomonex.co



Snap-on ferrite core for EMI suppression

Core-Tech Corp. (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model CTRC Series

Snap-on ferrite core for EMI suppression in round cables; retrofit; precision-formed smooth surface to protect wire insulation; 5 to 15mm radius

www.globalsources.com/coretech.co



Universal cigarette lighter plug, DIN socket

Co-Wave Enterprise Co. Ltd (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model MER-102

Universal cigarette lighter plug, DIN socket; 12V, 15A

www.globalsources.com/cwave.co



Smart outlet with voice command

Cvilux Corp. (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model FHH107-01-001

Smart outlet; 1 output port; 250VAC, 10A maximum resistive load; 802.11 b/g/n, WPA/WPA2; app control, voice command via Wi-Fi; metering function; Apple HomeKit, Siri voice control supported; overcurrent protection; BSMI, ETL, FCC, NCC

www.globalsources.com/cvilux.co



Toggle switch lasts 40,000 cycles

Dailywell Electronics Co. Ltd (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model 1MS1T67B38M1QES

Toggle switch; 120VAC or 28VDC 5A, 250VAC 2A for silver-plated contacts, 20VAC/DC 0.4VA maximum for gold-plated contacts; UL94V-0 case, stainless steel housing; 40,000 cycles; RoHS

www.globalsources.com/dailywell.co



Custom cable assembly

Dongguan City Xinying Electronic Co. Ltd
(mainland China)

CONTACT SUPPLIER

★★★★☆

Model XY-6835

Cable assembly for smart home and security products, electrical appliances; JST, Molex, DB50, DuPont or buyer-specified connectors; UL-listed cable, custom length

www.globalsources.com/xinying.co



Remote ADSL microfilter

Dongguan Fuxin Electronics Co. Ltd
(mainland China)

CONTACT SUPPLIER

★★★★★

Model FX-US05F

Remote ADSL microfilter; 1 or 2 output ports, RJ-11 for ADSL; ABS; 160x34x21.3mm; 24g; CE, REACH, RoHS

Booth: 11K12

www.globalsources.com/fuxin.co



Mechanical keyboard switch

Dongguan Gaote Electronics Co. Ltd
(mainland China)

CONTACT SUPPLIER

★★★★☆

Model PG150Q01

Keyboard switch; 60±10gf operating force; 2 to 12VDC/AC, 10µA to 10mA; UL94 HB; 260±5 C soldering; 50 million cycles

Booth: 9G20

www.globalsources.com/gaote.co



Tactile switch in DIP, SMD

Dongguan Hooya Electronics Co. Ltd
(mainland China)

CONTACT SUPPLIER

★★★★★

Model Tactile Switch Series

Tactile switch; DIP, SMD; 12VDC, 0.3A rated load; ≤0.05ohm contact resistance; 100,000 cycles; REACH, RoHS

Booth: 9F12

www.globalsources.com/haoyu.co



Metal part for smart home products

Dongguan Tangxia Shuangxin Hardware Products Fty (mainland China)

CONTACT SUPPLIER

★★★★★

Model SX-S-001

Metal part for smart home products; anodized, blackened, plated, polished, powder-coated, sandblasted; customizable

Booth: 9J31

www.globalsources.com/dgshuangxin.co



TFT-LCD module

Dongguan Waiken Optoelectronics Technology Ltd (mainland China)

CONTACT SUPPLIER

★★★★☆

Model WK70174

TFT-LCD module; 1024x600 dots, 150cd/sqcm, 16 million colors; 16:9; normally white, anti-glare; white LED backlight; 154.2x85.9mm active area; -20 to 70 C

www.globalsources.com/waiken.co



24W switching power supply

Dongguan Yinli Electronics Co. Ltd
(mainland China)

CONTACT SUPPLIER

Model Machinery Series Switching Power Supply

Switching power supply for home appliances, audio equipment, IT products; 24W; BS, CB, CCC, CQC, EMC, FCC, GS, PSE, SAA, UL

www.globalsources.com/yinli.co

SMD box header

Dongguan Yuxi Electronic Co. Ltd
(mainland China)

CONTACT SUPPLIER

★★★★★

Model E302-1XXXXMXX2

SMD box header; 6 to 64 pins, gold plating; 1.27mm pitch; 6.3mm height; nylon 6T, metal

www.globalsources.com/yxcon.co



Power adapter with universal input voltage

Eljintek Inc. (Taiwan)

CONTACT SUPPLIER

★★★★★

Model GPSU40

Power adapter; universal input voltage; 75.5x32x39mm; 170 to 190g; EISA 2007, DoE Level VI, ErP, CoC Version 5 for 5 to 6V, 8 to 58V; CB, CE, cUL, FCC, TÜV, UL

www.globalsources.com/eljintek.co



AC/DC switching adapter

ENG Electric Co. Ltd (Taiwan)

CONTACT SUPPLIER

★★★★★

Model 6A-181WP

AC/DC switching adapter; 90 to 264VAC, 47 to 63Hz, 300mA input; 6 to 40W; low ripple, noise; no minimum load requirement; 100 percent burn-in tested; CB, CE, cUL, EPS 2.0 Level V, FCC, GS, UL

www.globalsources.com/eng.co



IP68-rated RF devices

Entertec Technology Inc. (Taiwan)

CONTACT SUPPLIER

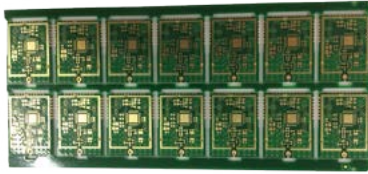
★★★★★

Model IP 68 Quick Type/Panel Type/Antenna Series

Water-resistant RF devices; quick type, anti-UV; panel type, anti-UV, acid-, alkali-resistant; antenna, anti-UV; GSM, 3/4G, Wi-Fi, WLAN, GPS; 0.81 to 10mm cable outer diameter, Teflon or PVC jacket

www.globalsources.com/entertec.co





FR-4 PCB for RF modules

Evergreen (HK) PCB Ltd (Hong Kong)

CONTACT SUPPLIER

★★★★☆

Model 1424167Rev:F

FR-4 PCB for RF modules; 4 layers; immersion gold; green solder mask; 0.8mm board thickness

www.globalsources.com/evergrn.co



IP65-rated emergency stop switch

Excel Cell Electronic Co. Ltd (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model ECS Series

Emergency stop switch; detachable contact block for easy installation, removal; IP65 rating; CE, cUL, UL, (pending) CCC & TÜV

www.globalsources.com/excelcell.co



RF/microwave cable assembly

Faddy Precision Industry Co. Ltd (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model IPX-IPX-113-30

RF/microwave cable assembly; for up to 6GHz applications; 0.8, 1.13, 1.32 or 1.37mm RG-178 coaxial cable; IPX or UFL microcoaxial connectors; 25mm minimum cable length; REACH, RoHS

www.globalsources.com/faddy.co



Air conditioner smart controller

FASTPCBA Technology Co. Ltd

CONTACT SUPPLIER

(mainland China)

★★★★☆

Model Momit Cool Kit

Air conditioner smart controller; PCB assembly includes RF chipset for internet connectivity; 360-degree IR system for remote control; 5VDC, 0.02A; 3 AA alkaline batteries

www.globalsources.com/fastpcbasmnt.co



Solar motion sensor wall lamp

Fineboard Electronics Ltd (Hong Kong)

CONTACT SUPPLIER

★★★★☆

Model FB-1004

Solar motion sensor wall lamp; energy-saving; easy, no-wire installation; removable lampholder

Booth: 9E37

www.globalsources.com/fineboard.co



Aluminum PCB for LED modules

Finenet Electronic Circuit Ltd (Hong Kong)

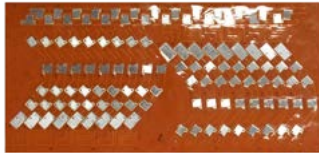
CONTACT SUPPLIER

★★★★☆

Model HBLM-001 LED

Aluminum PCB for 3W LED modules; single-sided; 2oz copper; 1mm board thickness

www.globalsources.com/finenet.co



Single-sided flexible PCB

Flex Plus (Xiamen) Co. Ltd (mainland China)

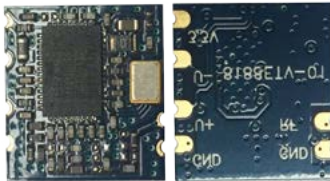
CONTACT SUPPLIER

★★★★☆

Model SS14752

Flexible PCB; polyimide base, 1oz electrodeposited copper, 0.0254mm thickness; coverlay, polyimide, 18µm solder mask; aluminum sheet, 1mm thickness

www.globalsources.com/flexplus.co



1T1R Wi-Fi module

Formike Electronic Co. Ltd (mainland China)

CONTACT SUPPLIER

★★★★☆

Model KWH-8188-ETV1

Wi-Fi module; 1T1R mode; 2.4GHz (2.4 to 2.4835GHz), 802.11b/g/n; Wi-Fi Direct; 150Mbps data rate; Realtek RTL8188ETV IC; 3.3V; USB interface; 0 to 70 C; 13x12.2mm outline

www.globalsources.com/formike.co



5VDC, 1.2A AC/DC switching adapter

Franmar International Inc. (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model FRM015-S12-I

AC/DC switching adapter for medical devices; 90 to 264VAC input voltage; 5VDC, 1.2A output; US, EU, AU, UK AC plugs; 81.5x 43x40.5mm; 150g; CE, cUL, FCC, PSE, RCM, TÜV, UL

www.globalsources.com/franmar.co



RJ-45 connector with 8 or 10 pins

Greenconn Corp. (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model RJ45-350

RJ-45 connector; 8 pins without LED, 10 with LED; 1,500V rms minimum isolation per IEEE 802.3; 16.85x16.1x16.82mm

www.globalsources.com/greenconn.co



Stainless steel part

Heju Precision Electronics Co. Ltd
(mainland China)

★★★★☆

Model HJ-03

Metal part; 301 stainless steel

CONTACT SUPPLIER

Booth: 9G17

www.globalsources.com/cnstamping.co



Magnetically shielded power inductor

Hitano Enterprise Corp. (Taiwan)

★★★★☆

Model CSS Series

Wirewound power inductor; magnetically shielded; 6025, 6028, 6045, 7032, 7045, 7055, 10145, 10165, 12555, 12565, 12575; low DC resistance, high current handling

CONTACT SUPPLIER

Booth: 9D30

www.globalsources.com/hitano.co



Latching relay has 16A switching capacity

**Hongfa Electroacoustic (Hong Kong)
Co. Ltd** (Hong Kong)

★★★★☆

Model HFE39

Latching relay; 16A switching capacity; 350A/2ms maximum inrush current; 20x30x10.2mm; RoHS

CONTACT SUPPLIER

Booth: 11M16

www.globalsources.com/hongfaelectro.co



Euro-type terminal block

How Der Electronic Co. Ltd (Taiwan)

★★★★☆

Model TS-500BRF-XXP

Terminal block; Euro type; 3.5 to 5mm pitch; 2 to 26 poles; 250 to 300VAC, 10 to 20A; 12 to 24AWG wire; UL; OEM, ODM orders accepted

CONTACT SUPPLIER

www.globalsources.com/howder.co



Gear motor for smart toilets

**Huizhou Aibo Automatic Control Equipment
Co. Ltd** (mainland China)

★★★★☆

Model Intelligent Toilet Flip Reducer

Gear motor for smart toilets with auto-flip seat covers; 13rpm; biaxial output; 12VDC; ABC, POM, 304 stainless steel; 103x81x67mm; 800g

CONTACT SUPPLIER

www.globalsources.com/aiboautomatic.co



5.5in HD LTPS AMOLED display module

Iexcellence Technology Co. Ltd
(mainland China)

CONTACT SUPPLIER

★★★★☆

Model G1549HD122GF-001

LTPS AMOLED display module; 5.5in; 720x1280 dots, 95x95µm pixel pitch, 16.7 million colors; MIPI interface; with or without touchscreen; 68.4x121.6mm active area

www.globalsources.com/i-excellence.co



Metallized polyester capacitor

Jimson Electronics (Xiamen) Co. Ltd
(mainland China)

CONTACT SUPPLIER

★★★★☆

Model CL20

Metallized polyester capacitor; noninductive construction; self-healing, high moisture resistance

Booth: 11L06

www.globalsources.com/jimson.co



Antenna for IoT applications

Kinsun Industries Inc. (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model 6687

Antenna for IoT applications; spring temper brass (70 percent copper, 30 percent zinc); tin plating; left-handed helix; squared-off ends; 7.736mm total wire length

www.globalsources.com/kinsun.co



Power transformer

Li Tone Electronics Co. Ltd (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model RM12-980

Power transformer; EE, EFD, ETD, EP, EI, RM, PQ, ER, EF types; class B or F insulation; for switching power supplies, lighting, telecom and medical equipment, home appliances, robots, security and smart home products; UL-listed materials

www.globalsources.com/litone.co



Rotary encoder with push switch

LJV Industry Investments Co. Ltd
(mainland China)

CONTACT SUPPLIER

★★★★☆

Model Rotary Encoder

Rotary encoder with push switch; 6mm; for smart home and telecom products, automotive and multimedia devices, musical instruments, home appliances; REACH, RoHS

www.globalsources.com/ljv.co



IPX8-rated electret condenser microphone

Marquess Co. Ltd (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model MMO420415LRC/MMO420627LRC

Electret condenser microphone; -42dB sensitivity; 4x1.5mm, 6x2.7mm; IPX8 rating

www.globalsources.com/marquess.co



Vertical flush wall plate

Mars Networking Inc. (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model FMWP-HX-XX

Flush wall plate; US type, vertical orientation; single gang, 70x114mm; double gang, 115x114mm; in white, ivory, deep ivory; UL94-V-0 or UL94-HB

www.globalsources.com/marsii.co



PCB assembly for security devices

Megatone Electronics Corp. (Taiwan)

CONTACT SUPPLIER

★★★★★

Model Megatone Electronics

PCB assembly for smart home security devices; SMT, THT; reliable components; stringent assembly, testing processes

Booth: 9G06

www.globalsources.com/megatone.co



RF adapter with RG-174/U coaxial cable

MMT Technology Corp. (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model CA 720 Series

RF adapter; RG-174/U coaxial cable; N male plug, SMA, FME, UHF, SMB, SSMB, I-Pex, MC card female jack; OEM, ODM orders accepted

www.globalsources.com/mmt.co



PCB connector with hard gold plating

Morethanall Co. Ltd (Taiwan)

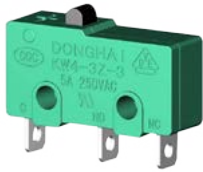
CONTACT SUPPLIER

★★★★☆

Model MJF13T36UL-KF06B3YG-0808

PCB connector; 0.35mm-thick phosphor bronze, hard gold plating on contacts, gold flash on solder area; 0.2mm-thick nickel-plated copper alloy shield; UL94V-0 PBT insulator

www.globalsources.com/morethanall.co



Microswitch in various ratings

Ningbo Jialin Electronics Co. Ltd
(mainland China)

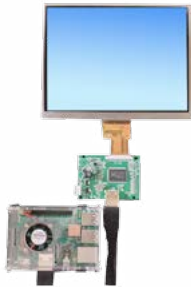
CONTACT SUPPLIER

★★★★☆

Model KW4-3Z-3B123013L

Microswitch; 250VAC, 5A CQC; 250VAC, 10A TÜV; 125VAC, 10.1A UL; 250VAC, 5(2)A, 125/250VAC, 3A VDE

www.globalsources.com/donghai-switch.co



TFT module with IPS panel, touchscreen

P.G Display Electronics Co. Ltd (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model PXF080AC-XGA

IPS TFT panel with capacitive touchscreen; 1024x768 pixels; full viewing angle; white LED backlight; 182.6x141.4mm outline, 162.6x121.8mm active are; REACH, RoHS

www.globalsources.com/pgdisplay.co



128x64-dot graphic LCD module

Palm Technology Co. Ltd (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model PHG12062MW

Graphic LCD module; STN or FSTN; 128x64 dots; 6 o'clock viewing angle; 1/65 duty, 1/9 bias; ST7565R driver; 35.2x29x3.3mm outline, 31x19mm viewing area; -20 to 60 C

www.globalsources.com/palmtech.co



DIP, SMD USB 3.1 Type-C connector

S.C. Precision Industrial Co. Ltd (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model SCU126 Series

USB 3.1 Type-C connector; DIP, SMD; male, female; 30VAC rms, 3A; 100VAC/min withstand voltage; 40mohm maximum contact resistance; 5 to 20N insert, 8 to 20N withdraw force; -25 to 85 C; 10,000 cycles; USB 3.0, 2.0 variants available

www.globalsources.com/scpre.co



PCB assembly based on heavy-copper PCB

Seedling-Plan Electronic Information
(Shanghai) Co. Ltd (mainland China)

CONTACT SUPPLIER

★★★★☆

Model SPE8589

PCB assembly; 4-layer FR-4 PCB, immersion gold, 5oz copper, 2mm board thickness; BGA, SMT, DIP; one-stop services

Booth: 9G27

www.globalsources.com/seedling-plan.co



Up to 6GHz MCX connectors

Shallin Electronics Co. Ltd (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model M52150P, M52156P, M52160P, M52210, M52230

MMCX connectors; gold-plated brass, Teflon insulation; male, female crimp, female PCB-mount styles; 50ohm impedance; 0 to 6GHz; 335VAC; 5mohm maximum contact resistance; RoHS

www.globalsources.com/shallin.co



LAN cable uses pure copper

Shenzhen Fengshunke Cable Technology Co. Ltd (mainland China)

CONTACT SUPPLIER

★★★★☆

Model FSK-AM-UC6-057

LAN cable; 100 percent copper, solid, 4 twisted pairs, 23AWG; HDPE insulation, 0.95mm diameter; nylon rip cord; PVC jacket

Booth: 11K01

www.globalsources.com/fengshunke.co



Multicolor 7-segment LED display

Shenzhen Guangzhibao Technology Co. Ltd (mainland China)

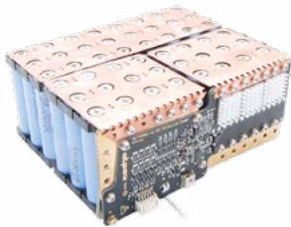
CONTACT SUPPLIER

★★★★☆

Model LB4722IWYR3S

7-segment LED display; ultrabright white, yellow, red LEDs; common anode; yellow diffused epoxy black face with film; 47x22x9mm; RoHS

www.globalsources.com/lightbo.co



12.1Ah LiFePO₄ battery pack

Shenzhen Hailei New Energy Co. Ltd (mainland China)

CONTACT SUPPLIER

★★★★☆

Model 12V 12Ah LiFePO₄ Battery

LiFePO₄ battery pack; rated 12.1Ah; 12.8V; ≤30mohm internal impedance; 0.5C rate; 800 cycles; 1.3kg

Booth: 11L36

www.globalsources.com/batteryhailei.co



23AWG Cat 6 cable

Shenzhen Idealink Network Technology Co. Ltd (mainland China)

CONTACT SUPPLIER

★★★★☆

Model IDC6UTP

Cat 6 cable; bare-copper conductor; 23AWG; foamed PE insulation; with cross filler; PVC or LSZH jacket; 6mm outer diameter

www.globalsources.com/idealink.co



DC reduction gear motor

Shenzhen Kinmore Motor Co. Ltd
(mainland China)

CONTACT SUPPLIER

★★★★★

Model KM-12FN20-150-0383

DC reduction gear motor; 3V rated voltage; 72rpm±12 percent rated speed; 150gf.cm rated torque; precious-metal brush, plastic core commutator, no-air hole casing; 9.5g

www.globalsources.com/kinmoremotor.co



PCB assembly for controllers

Shenzhen Leadsin Technology Co. Ltd
(mainland China)

CONTACT SUPPLIER

★★★★☆

Model LXT-021716-1

PCB assembly for smart home controllers; rigid, flexible or rigid-flex PCB, FR-4, aluminum, CEM-3, Taconic or Rogers base

Booth: 9G34

www.globalsources.com/leadsin.co



12V, 5A power adapter

Shenzhen Lian Yun Da Electronic Co. Ltd
(mainland China)

CONTACT SUPPLIER

★★★★☆

Model LYD1205000

Power adapter; 100 to 240VAC, 50/60Hz input; 12V, 5A output; high efficiency; ABS-PC; 122x54x35mm; 350g; DoE Level VI; CE, FCC, GS, KC, PSE, RoHS, SAA, TÜV, UL Class 2

www.globalsources.com/lianyunda.co



PMDC motor for electric doors

Shenzhen Power Motor Industrial Co. Ltd
(mainland China)

CONTACT SUPPLIER

★★★★★

Model PT5270024-2103

PMDC motor for electric doors; 1,930rpm speed, 367m-Nm torque at maximum efficiency; 24V; 74.2W maximum power output; 75.2 percent maximum efficiency; 0 to 40 C

www.globalsources.com/powermotor.co



PCB assembly uses 2-layer rigid board

Shenzhen Sienta Industry Co. Ltd
(mainland China)

CONTACT SUPPLIER

Model SNT-PCBA-034

PCB assembly; SMT, DIP; 2-layer FR-4 rigid PCB, lead-free HAL, 1oz copper, 1.6mm board thickness; original components; 76.2x53.34mm; RoHS, UL

www.globalsources.com/sienta.co



HDMI 1.4 cable assembly

Shenzhen Telesen Technology Co. Ltd
(mainland China)

★★★★☆

Model TLS-0101

HDMI 1.4 cable assembly; 19+1 pins, gold plating; built-in amplifier; bare-copper conductor; 30m cable length; CE, RoHS

CONTACT SUPPLIER

www.globalsources.com/telesen.co



Snap-in photoflash capacitor

Shenzhen Yuscon Electronics Co. Ltd
(mainland China)

★★★★☆

Model RFK152M400Q90H

Photoflash aluminum electrolytic capacitor; snap-in terminals; 30 to 1,300µF; 300 & 450WV DC; 390 & 500SV DC; - 20 to 55 C; RoHS

CONTACT SUPPLIER

www.globalsources.com/yusconn.co



Micro planetary gearbox

Shenzhen Zhaowei Machinery & Electronics Co. Ltd (mainland China)

★★★★★

Model ZWBMD006006-711

Micro planetary gearbox; with load, 21 rpm±5 percent, 100mA, 296.9gf-cm; 1.5 to 12V; 16.9±0.2mm length

CONTACT SUPPLIER

www.globalsources.com/zhaowei.co



12 to 15W switching power supply

Sinpro Electronics Co. Ltd (Taiwan)

★★★★☆

Model SPU16A

Switching power supply; 90 to 264VAC, 47 to 63Hz; 12 to 15W; 87 percent efficiency; IEC-320-C14 input inlet; 3-year warranty; CoC Version 5, DoE Level VI; CB, CCC, CE, FCC, PSE, TÜV, UL

CONTACT SUPPLIER

www.globalsources.com/sinpro.co



Metal-shaft incremental encoder

Soundwell Electronic Components Co. Ltd
(mainland China)

★★★★☆

Model EC110401

Metal-shaft incremental encoder; 8, 15, 16, 20 pulses; rated 5VDC; -40 to 85 C; >30,000 times life span; 11mm diameter

CONTACT SUPPLIER

Booth: 11E10

www.globalsources.com/soundwell.co



Solenoid valve

Summit Elec-Tech Co. Ltd (Taiwan)

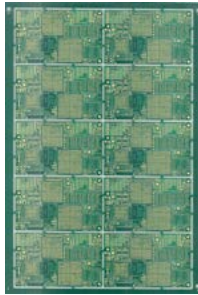
CONTACT SUPPLIER

★★★★☆

Model OS-02UB

Solenoid valve; 2VDC maximum pull-in voltage; 10 percent duty cycle; 24ohm±10 percent resistance at 20 C, 1.66ohm at 25 C; Teflon-coated plunger; 1 million cycles

www.globalsources.com/summit88.co



HDI PCB has 2+N+2 buildup

Sunshine Global Circuits Co. Ltd

CONTACT SUPPLIER

(mainland China)

★★★★★

Model HOG992239

HDI PCB; 24 layers, 2+N+2 buildup; Tg180 FR-4 base, immersion gold; 4mil line width, 5mil spacing; copper on all layers; controlled impedance; 2.6mm board thickness

www.globalsources.com/ssct.co



PCB assembly

Suntek Electronics Co. Ltd (mainland China)

CONTACT SUPPLIER

★★★★☆

Model PCBA-100001

PCB assembly; SMT, THT; cable assembly; in-circuit, hipot, e-testing; 100 percent IPQC, FQC; RoHS, UL

www.globalsources.com/suntek-smt.co



Wire-to-board connector

SWB Connectors Co. Ltd (mainland China)

CONTACT SUPPLIER

★★★★☆

Model 3025WR

Wire-to-board connector; 250VAC/DC, 5A; 1,500VAC/min withstand voltage; 10mohm maximum contact, 1,000mohm minimum insulation resistance; 20 to 24AWG wire; -25 to 85 C

Booth: 9E13

www.globalsources.com/cswb.co



Rogowski coil has 333mV rated output

Thousand Hundred Industrial Co. Ltd

CONTACT SUPPLIER

(Taiwan)

★★★★☆

Model Rogowski Coil Series (333mV)/RCF333AC105-202

Rogowski coil for power meters, power quality monitoring and condition monitoring applications, distributed measurement systems; 333mV rated output; silicone tube; 105mm; 190g

www.globalsources.com/thic.co



BTN LCD module

Vatronix Technology Co. Ltd
(mainland China)

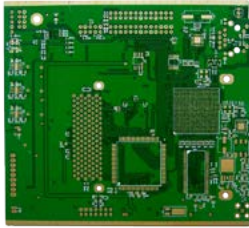
CONTACT SUPPLIER

★★★★☆

Model LCD Module

LCD module; BTN, VA; high contrast, low power; LCD, PCB, backlight, metal frame

www.globalsources.com/vatronix.co



8-layer PCB with immersion gold

Viation Technology Co. Ltd
(mainland China)

CONTACT SUPPLIER

★★★★★

Model VSSHS01

Multilayer PCB for wireless products; 8 layers, 4 with Rogers RO4350 laminate; high-Tg FR-4 base; immersion gold; 1.6mm board thickness; 130x120mm; 40g; UL

www.globalsources.com/bozhongxin.co



Acrylic housing for smart home hubs

Win Industry Co. Ltd (Taiwan)

CONTACT SUPPLIER

★★★★★

Model Double Injection Housing

Double injection molded housing for smart home hubs; transparent acrylic; printing, laser etching, painting

Booth: 9D13

www.globalsources.com/win.co



FRED rectifiers with 15A forward current

Won-Top Electronics Co. Ltd (Taiwan)

CONTACT SUPPLIER

★★★★☆

Model MUR1560, MURF1560

FRED rectifiers; 15A forward current; 600V resistor voltage; 200A maximum allowable surge current; 1.5V forward voltage drop at 15A; 10µA maximum DC reverse current at 600V; 50ns reverse recovery time; for appliances, security products

www.globalsources.com/wontop.co



STN LCD module

Xiamen LightPower Technology Co. Ltd (mainland China)

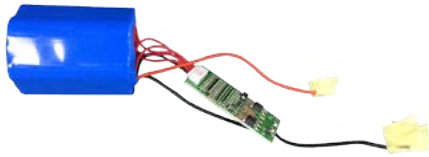
CONTACT SUPPLIER

★★★★☆

Model WLCM-031

LCD module; STN, dot matrix, negative mode; 50 to 60g; customizable

www.globalsources.com/xmltb.co



2,000mAh Li-ion battery pack

Xiamen Pheon Electric Tech. Co. Ltd

(mainland China)

Model 18.5V 2000mAh Lithium Ion Battery

Li-ion battery pack; 2,000mAh; 18.5V; 21V charge, 13.75V cutoff voltages; 2,200mA maximum charge, discharge current; $\leq 550\text{mohm}$ internal resistance; 71x54.6x36.5mm

CONTACT SUPPLIER

www.globalsources.com/pheon.co



Surge protection device

Xiamen SET Electronics Co. Ltd

(mainland China)

★★★★☆

Model SPD

Surge protection device; 120 to 480V maximum continuous operating voltage; 5/10kA nominal discharge current; 10 to 25kA maximum discharge current; CE, UL 1449 Type 4CA

CONTACT SUPPLIER

www.globalsources.com/set.co



AC/DC switching power supply

Xiamen Xunheng Electronics Tech Co. Ltd

(mainland China)

★★★★☆

Model XH-WA013

AC/DC switching power supply; 12VDC 2, 2.5A, 9V 3A; 82.5x52.5x46.1mm; CoC Version 5, DoE Level VI/VI Tier 6; BIS, BS, CB, CCC, CE, ETL, GS, KC, PSE, SAA, UL

CONTACT SUPPLIER

www.globalsources.com/xun-heng.co



Wire-to-board connector

Xinfuer Electronic Co. Ltd (mainland China)

CONTACT SUPPLIER

★★★★☆

Model 1.0D-nPBX(S)

Wire-to-board connector; phosphor bronze contacts; 50VAC/DC; 500VAC/min dielectric strength; $\leq 0.03\text{ohm}$ contact resistance; -25 to 85 C; UL94V-0; UL, ISO/TS 16949:2009

Booth: 9E18

www.globalsources.com/xinfuer.co



12VDC, 2A power supply

Xing Yuan Electronics Co. Ltd (mainland China)

CONTACT SUPPLIER

★★★★★

Model XY24S-1202000Q-UW

Power supply for CCTV cameras, smart home appliances; 100 to 240VAC, 50/60Hz input; 12VDC, 2A output; 1.8m cord; DoE Level VI; UL

www.globalsources.com/dgxyngyuan.co



UHF antennas with BNC connectors

Ying-Hao Metal Industrial Co. Ltd (Taiwan)

CONTACT SUPPLIER

★★★★☆☆

Model UHF Antennas

UHF antennas for wireless home stereo systems; 315, 426, 27, 734MHz; BNC connectors; custom orders accepted

www.globalsources.com/yinghao.co



Premium HDMI 2.0 cable assembly

Zhongshan Auxus Electronic Technology Co. Ltd (mainland China)

CONTACT SUPPLIER

★★★★☆☆

Model AX-PH88

Premium High Speed HDMI 2.0 Type A-to-Type A cable assembly; with Ethernet; 24K gold-plated contacts; triple shielding; RoHS

Booth: 5E30

www.globalsources.com/auxus.co

Supplier comparison table

Company name	Star ranking	Year established	Main products & services	Main markets	Total annual sales (\$mn)	Total annual exports (\$mn)	
ABC Taiwan Electronics Corp.	★★★★☆	1979	Inductors	North America	10 to 15		CONTACT SUPPLIER
Adapter Technology Co. Ltd	★★★★☆	2001	Switching power supplies	North America, Europe, Japan	45	40	CONTACT SUPPLIER
Ample Electronic Co. Ltd.	★★★☆☆	2003	PCB assemblies	Europe, Asia	5	3	CONTACT SUPPLIER
Anhui Shirui Electronic Technology Co. Ltd	★★★★☆	2006	High- & low-frequency transformers, inductors, chokes	North America, Europe	10	10	CONTACT SUPPLIER
Ariba Technology Co. Ltd	★★★☆☆	1995	Connectors, cable assemblies	Asia, US, Europe	10	9	CONTACT SUPPLIER
Astron Technology Corp.	★★★☆☆	1981	Connectors	North America	10		CONTACT SUPPLIER
Attend Technology Inc.	★★★☆☆	2002	Connectors, cable assemblies	Europe, North America			CONTACT SUPPLIER
BCP Technologies Inc.	★★★★☆	1991	Bare, double-sided, rigid-flex & multilayer PCBs, PCB assemblies	Worldwide	35	35	CONTACT SUPPLIER
C.C. Ohm Enterprise Co. Ltd	★★★★☆	1987	Resistors, capacitors	Asia, Europe	10	8.5	CONTACT SUPPLIER
Canal Components Inc.	★★★★☆	1981	Switches, Sockets	North America, Europe, Asia	20	15	CONTACT SUPPLIER
Chang Way Industries Co. Ltd	★★★★☆	1972	Metal & stamped metal parts, lead frames; insert molding	US, UK, Europe, Asia	3.5	1.5	CONTACT SUPPLIER
Changzhou FHD Electronics Co. Ltd	★★★☆☆	2010	Transducers	North America, Europe			CONTACT SUPPLIER
Changzhou Jiangnan Battery Co. Ltd	★★★☆☆	1990	Dry, button-cell batteries	US, Australia, EU, Russia, Japan	16	11	CONTACT SUPPLIER
Cheer Time Enterprise Co. Ltd	★★★★☆	1987	PCBs	North America, Asia, Australia, Europe	21	15	CONTACT SUPPLIER

Global Sources supplier rankings

★★★★★

Suppliers are ranked using a 6-star ranking system. Companies with a higher star ranking provide more business information and verification reports on their Global Sources online homepages. Suppliers rated 5 or 6 stars have a Credit Check report from First Advantage or Sino-Trust and a Supplier Capability Assessment report provided by Bureau Veritas online. The rankings are correct at the time of publication and may be subject to change.

Company name	Star ranking	Year established	Main products & services	Main markets	Total annual sales (\$mn)	Total annual exports (\$mn)	
Cheng Pu Electronic Co. Ltd	★★★★☆☆	1980	A/V adapters, connectors	North & South America, Europe	3	3	CONTACT SUPPLIER
Cherng Weei Technology Corp.	★★★★☆☆	1994	Connectors, wire harnesses, cable assemblies	Europe, North America	33	28	CONTACT SUPPLIER
CKT Tek Co. Ltd	★★★★☆☆	1976	Rubber grommets, seals, O-rings, molded parts	Europe, US, Japan	4.6	3.8	CONTACT SUPPLIER
Comfortable Electronic Co. Ltd	★★★★★★	1972	Battery holders, snaps, clips & contacts, wire harnesses	Asia, Europe, North America	11	9.5	CONTACT SUPPLIER
Componex Electronics Co. Ltd	★★★★☆☆	2011	Insect repellents, portable dehumidifiers	Middle East, South Asia, North & Central America	10	8	CONTACT SUPPLIER
Core-Tech Corp.	★★★★☆☆	1985	NiZn ferrite cores	Europe, South Korea, Japan, mainland China, South Asia	12		CONTACT SUPPLIER
Co-Wave Enterprise Co. Ltd	★★★★☆☆	1980	Connectors, cable assemblies	North America, Europe, Australasia, Southeast Asia	10	8	CONTACT SUPPLIER
Cvilux Corp.	★★★★☆☆	1990	Connectors, cable assemblies; 3C products	Worldwide	70 to 74	3.7	CONTACT SUPPLIER
Dailywell Electronics Co. Ltd	★★★★☆☆	1997	Toggle, push-button, rocker, slide, tactile switches	Worldwide	15	10	CONTACT SUPPLIER
Dongguan City Xinying Electronic Co. Ltd	★★★★☆☆	2004	Custom wire harnesses, cable assemblies	North America, Europe	5	3	CONTACT SUPPLIER
Dongguan Fuxin Electronics Co. Ltd	★★★★★★	2004	xDSL filters, telephone adapters	Europe, North America	15	10	CONTACT SUPPLIER

Company name	Star ranking	Year established	Main products & services	Main markets	Total annual sales (\$mn)	Total annual exports (\$mn)	
Dongguan Gaote Electronics Co. Ltd	★★★★☆	2004	Mechanical keyboard switches, microswitches	South Korea, North America, Europe	20	2	CONTACT SUPPLIER
Dongguan Hooya Electronics Co. Ltd	★★★★★	2004	Switches, jacks, XLR connectors, AC inlets	Hong Kong, Taiwan, South Korea, Malaysia, North & South America, Europe	16.1	11.3	CONTACT SUPPLIER
Dongguan Tangxia Shuangxin Hardware Products Fty	★★★★★	2000	Stamping, lathe turning, CNC machining & milling; springs, shafts, screws, bolts	North America, Europe, Asia	5	3	CONTACT SUPPLIER
Dongguan Waiken Optoelectronics Technology Ltd	★★★★☆	2011	LCD, TFT modules	Asia	15	7	CONTACT SUPPLIER
Dongguan Yinli Electronics Co. Ltd		1989	Switching power supplies, adapters, transformers	Mainland China, Europe, North America, India, Malaysia	29	6	CONTACT SUPPLIER
Dongguan Yuxi Electronic Co. Ltd	★★★★☆	2008	Connectors	Asia, Western Europe, North America	15	5	CONTACT SUPPLIER
Eljintek Inc.	★★★★☆	1999	Switching power supplies	North America, Europe	3	3	CONTACT SUPPLIER
ENG Electric Co. Ltd	★★★★☆	1981	Switching power supplies, AC/DC switching adapters, AC/DC adapters	Asia, North & South America, Europe, Australasia	480	420	CONTACT SUPPLIER
Entertec Technology Inc.	★★★★★	1997	RF & coaxial connectors, cable assemblies	Worldwide			CONTACT SUPPLIER
Evergreen (HK) PCB Ltd	★★★★☆	1977	PCBs	Mainland China, Hong Kong, Europe, North & South America, Japan, Philippines	12	3	CONTACT SUPPLIER

Company name	Star ranking	Year established	Main products & services	Main markets	Total annual sales (\$mn)	Total annual exports (\$mn)	
Excel Cell Electronic Co. Ltd	★★★★★☆☆	1981	Switches, relays, resettable fuses, terminal blocks, connectors	Asia, Europe	57	41	CONTACT SUPPLIER
Faddy Precision Industry Co. Ltd	★★★★★☆☆	1985	RF connectors, cables, cable assemblies, adapters	North America, Europe, South Africa, Southeast Asia	5	4	CONTACT SUPPLIER
FASTPCBA Technology Co. Ltd	★★★★★☆☆	2007	PCBs, PCB assemblies	North & South America, Europe, Australia	13	10	CONTACT SUPPLIER
Fineboard Electronics Ltd	★★★★☆☆☆	2006	EMS for PCB assemblies, Bluetooth & Wi-Fi modules, hand driers, scanners, GPS antennas, solar lights	US, Europe, Asia			CONTACT SUPPLIER
Finenet Electronic Circuit Ltd	★★★★☆☆☆	2001	PCBs, PCB assemblies	Europe, North America	15.5	12	CONTACT SUPPLIER
Flex Plus (Xiamen) Co. Ltd	★★★★☆☆☆	2004	Flexible PCBs	US, Europe, Asia	9	6	CONTACT SUPPLIER
Formike Electronic Co. Ltd	★★★★★☆☆	1999	Wi-Fi modules, LCDs, TFT modules, tempered glass; digitizers, cover lenses, backlights, polarizers, bezels for iPhone	US, Europe, Asia	65	50	CONTACT SUPPLIER
Franmar International Inc.	★★★★★★★	1997	Wall-mount, desktop, open-frame switching power supplies	Europe, Asia, North America	12	10	CONTACT SUPPLIER
Greenconn Corp.	★★★★★☆☆	1998	Board-to-board & RJ-45 connectors, QSFP+ cables	Europe, Asia	27	18	CONTACT SUPPLIER
Heju Precision Electronics Co. Ltd	★★★★★☆☆	2008	Stamping dies, precision metal stamping	North America, Europe	15	5	CONTACT SUPPLIER
Hitano Enterprise Corp.	★★★★☆☆☆	1980	Passive components	Europe	15 to 19		CONTACT SUPPLIER

Company name	Star ranking	Year established	Main products & services	Main markets	Total annual sales (\$mn)	Total annual exports (\$mn)	
Hongfa Electroacoustic (Hong Kong) Co. Ltd	★★★★☆☆	2013	Home automation, power, automotive, HVDC relays	Worldwide			CONTACT SUPPLIER
How Der Electronic Co. Ltd	★★★★☆☆	1981	Terminal blocks, cross jumpers	North America, Europe, Asia	125	50	CONTACT SUPPLIER
Huizhou Aibo Automatic Control Equipment Co. Ltd	★★★★☆☆	2005	Speed reducers, intelligent control systems	North America, Europe, Asia	7	2	CONTACT SUPPLIER
Iexcellence Technology Co. Ltd	★★★★☆☆	2007	OLEDs, TFT display modules	North America, Europe, Middle East, Africa, Asia	300	20	CONTACT SUPPLIER
Jimson Electronics (Xiamen) Co. Ltd	★★★★☆☆	1988	Capacitors	Europe, Asia, Africa	13	5	CONTACT SUPPLIER
Kinsun Industries Inc.	★★★★☆☆	1986	Electronic components	Worldwide	28	20	CONTACT SUPPLIER
Li Tone Electronics Co. Ltd	★★★★☆☆	1986	Transformers, chokes, coils; MPPT solar chargers, switching power supplies, AC/DC adapters	South America, Canada, Europe, Asia, Japan, Australia, New Zealand	35	32	CONTACT SUPPLIER
LJV Industry Investments Co. Ltd	★★★★☆☆	1996	Rotary encoders & potentiometers, rotary/tactile switches, connectors	North America, Europe, Asia	30	10	CONTACT SUPPLIER
Marquess Co. Ltd	★★★★☆☆	1993	Acoustic components	North America, Europe, Asia	10	8	CONTACT SUPPLIER
Mars Networking Inc.	★★★★☆☆	1996	Networking cables	North America	3 to 3.9	3 to 3.9	CONTACT SUPPLIER
Megatone Electronics Corp.	★★★★★★	1972	PCB assemblies	US, Russia, Europe	15	15	CONTACT SUPPLIER

Company name	Star ranking	Year established	Main products & services	Main markets	Total annual sales (\$mn)	Total annual exports (\$mn)	
MMT Technology Corp.	★★★★☆	1995	RF cable assemblies, connectors	North & Central/South America, Asia, Europe, Australasia	3 to 3.9	1 to 1.9	CONTACT SUPPLIER
Morethanall Co. Ltd	★★★★☆	1983	Waterproof connectors	Asia, Australasia, North & Central/South America, Western Europe	25 to 30	25 to 30	CONTACT SUPPLIER
Ningbo Jialin Electronics Co. Ltd	★★★★☆	2002	Rocker/paddle & push-button switches, microswitches	North America, Europe, Asia	100	40	CONTACT SUPPLIER
P.G Display Electronics Co Ltd	★★★★☆	2010	TFT & monochrome LCDs, OLEDs	North America, Asia, Europe			CONTACT SUPPLIER
Palm Technology Co. Ltd	★★★★☆	1994	Monochrome LCDs, TFT modules, capacitive touchscreens	Europe, North America, Asia, Australasia	17	15	CONTACT SUPPLIER
S.C. Precision Industrial Co. Ltd	★★★★☆	1980	Connectors	North America, Asia, Europe	40 to 44	28	CONTACT SUPPLIER
Seedling-Plan Electronic Information (Shanghai) Co. Ltd	★★★★☆	2015	PCB layout & fabrication, PCB assembly, SMT, components sourcing	Asia, North America, Europe, Australia	15	10	CONTACT SUPPLIER
Shallin Electronics Co. Ltd	★★★★☆	1977	Switches; A/V, RF, computer connectors	North America, Europe, South Africa	3	2.5	CONTACT SUPPLIER
Shenzhen Fengshunke Cable Technology Co. Ltd	★★★★☆	2009	LAN, coaxial, alarm, control, speaker, telephone cables	Europe, Asia, North & South America	16	9	CONTACT SUPPLIER
Shenzhen Guangzhibao Technology Co. Ltd	★★★★☆	2006	7-segment, dot-matrix & custom LED displays, LED lighting fixtures	Asia, Australasia, North & Central/South America, Europe, Middle East	8	6	CONTACT SUPPLIER

Company name	Star ranking	Year established	Main products & services	Main markets	Total annual sales (\$mn)	Total annual exports (\$mn)	
Shenzhen Hailei New Energy Co. Ltd	★★★★☆	2001	Lithium, Li-polymer, LiFePO ₄ batteries & battery packs	North America, Europe	50	20	CONTACT SUPPLIER
Shenzhen Idealink Network Technology Co. Ltd	★★★★☆	2002	Networking cables	Middle East	20	18	CONTACT SUPPLIER
Shenzhen Kinmore Motor Co. Ltd	★★★★★	1998	Micro, gear, vibration DC motors	Germany, US, Turkey, South Korea, Russia, Switzerland, UK, Poland	130	120	CONTACT SUPPLIER
Shenzhen Leadsin Technology Co. Ltd	★★★★☆	2006	PCBs, PCB assemblies	North America, Europe	50	40	CONTACT SUPPLIER
Shenzhen Lian Yun Da Electronic Co. Ltd	★★★★☆	2006	Switching power supplies, battery chargers, DC-DC adapters	North America, Europe, Asia, Australia	10	9	CONTACT SUPPLIER
Shenzhen Power Motor Industrial Co. Ltd	★★★★★	2001	AC, DC, brushless DC, gear motors	North America, Europe, Asia	1.51	1.36	CONTACT SUPPLIER
Shenzhen Sienta Industry Co. Ltd		2011	PCBs, PCB assemblies	North America, Europe	10	5	CONTACT SUPPLIER
Shenzhen Telesen Technology Co. Ltd	★★★☆☆	2006	HDMI, USB, RF, RCA cables	North America, Europe, South Korea	7.3	3.5	CONTACT SUPPLIER
Shenzhen Yuscon Electronics Co. Ltd	★★★★☆	2005	Aluminum electrolytic capacitors	North America, Europe, Asia	10	3	CONTACT SUPPLIER
Shenzhen Zhaowei Machinery & Electronics Co. Ltd	★★★★★	1997	Planetary gearboxes, micro gear motors, drive systems	North America, Europe	60	20	CONTACT SUPPLIER
Sinpro Electronics Co. Ltd	★★★★☆	1995	Switching power supplies, LED drivers, DC-DC converters	Europe, US, Japan	30	25	CONTACT SUPPLIER
Soundwell Electronic Components Co. Ltd	★★★☆☆	1991	Potentiometers, encoders, switches	North & South America, Europe, Asia, Australia	30	20	CONTACT SUPPLIER

Company name	Star ranking	Year established	Main products & services	Main markets	Total annual sales (\$mn)	Total annual exports (\$mn)	
Summit Elec-Tech Co. Ltd	★★★★☆☆	1999	Solenoid valves	North America, Europe, Southeast Asia	10	8	CONTACT SUPPLIER
Sunshine Global Circuits Co. Ltd	★★★★★★	2001	PCBs	Western Europe, North America, Asia	122	115.9	CONTACT SUPPLIER
Suntek Electronics Co. Ltd	★★★★☆☆	2012	PCB assemblies, cable assemblies	Asia, Australasia, Central/South America, Europe	25	23.5	CONTACT SUPPLIER
SWB Connectors Co. Ltd	★★★★☆☆	2003	Connectors, cables, wire harnesses	Worldwide	9	6	CONTACT SUPPLIER
Thousand Hundred Industrial Co. Ltd	★★★★☆☆	1993	Current transformers, Rogowski coils, sensors	North America, Asia	3 to 3.9		CONTACT SUPPLIER
Vatronix Technology Co. Ltd	★★★★☆☆	2002	LCDs, LCD modules	North America, Europe	5	3.5	CONTACT SUPPLIER
Viasion Technology Co. Ltd	★★★★★★	2007	PCBs, PCB assemblies	North America, Europe	18	12	CONTACT SUPPLIER
Win Industry Co. Ltd	★★★★★★	1978	Plastic parts for consumer electronics, rubber parts; plastic, rubber molds	Worldwide	15 to 20	15 to 20	CONTACT SUPPLIER
Won-Top Electronics Co. Ltd	★★★★☆☆	1992	Diodes, rectifiers	US, Europe, Asia	32	19	CONTACT SUPPLIER
Xiamen LightPower Technology Co. Ltd	★★★★☆☆	2011	LCD modules	Europe, North & South America, Asia	3	1	CONTACT SUPPLIER
Xiamen Pheon Electric Tech. Co. Ltd		2014	Li-ion batteries	North America, Europe	15	10	CONTACT SUPPLIER
Xiamen SET Electronics Co. Ltd	★★★★☆☆	2000	Circuit protection components	North America, Europe	150	10	CONTACT SUPPLIER

Company name	Star ranking	Year established	Main products & services	Main markets	Total annual sales (\$mn)	Total annual exports (\$mn)	
Xiamen Xunheng Electronics Tech Co. Ltd	★★★★☆	2008	Open-frame & AC-DC switching power supplies, DC-DC power modules, power adapters, chargers, mechanical & electrical control panels, intelligent LED drivers	North & Central/South America, Europe, Middle East, Africa, Asia, Australasia	3	2.4	CONTACT SUPPLIER
Xinfuer Electronic Co. Ltd	★★★★☆	1989	FPC & wafer connectors, flexible flat cables	North America, Europe	33.9	10	CONTACT SUPPLIER
Xing Yuan Electronics Co. Ltd	★★★★★	2008	AC adapters, power supplies, LED drivers	North America, Europe, Asia	21.6	8.8	CONTACT SUPPLIER
Ying-Hao Metal Industrial Co. Ltd	★★★★☆	1983	UHF antennas	North America, Asia, Australasia, Europe, Middle East, Africa	9 to 9.9	7 to 7.9	CONTACT SUPPLIER
Zhongshan Auxus Electronic Technology Co. Ltd	★★★★☆	2006	A/V cables	Europe, US	5	4	CONTACT SUPPLIER

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