


FOCUS FRANCHISES

Strengths and Sales Pitch

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
UK	TAIWAN	FANS/ THERMAL SOLUTIONS	INDUSTRIAL/ GAMING/ MEDICAL/ TELECOM/ IOT/AI	ISO- 9001/14001

CONSUMER THERMAL SOLUTION PRODUCTS



CPU Coolers
ALUCIA 120
Vegas chroma

Fanless Cases
MazePro
Turing ASX

Fans
OTTO SP12
ASHOKA

CONSUMER ACCESSORIES



Cable Tidy
Black Cable Comb KS

System Cooling
Gecko Pro

Internal Card Reader
USB 3.1 Gen 2 Type-C

2.5Gb Network
2.5Gigabit

Storage Adapter

Internal USB Panel
20Gbps

SELLING POINTS

- AKASA brand positioned as the market leader in computer manufacturing.
- First range of fanless chassis built for intel.
- IP68 fan series with patented anti-vibration design.
- Raspberry Pi chassis and cooling solution built for AMD AM4 socket.

COMMERCIAL THERMAL SOLUTION PRODUCTS



Fanless Cases
Newton A10
Pascal CTN
1U fanless Thin Mini-ITX case

CPU Coolers
AM4 Low Profile CPU Cooler with Side Blower Fan
2U Active 4-Heat-Pipe Cooler for Xeon® Processor Scalable Family

SOLUTION & APPLICATION



Medical
Telecommunications & 5G
Digital Signage

AI (Artificial Intelligence)
PRO-AV & Broadcasting
IoT (Internet of Things)

APPLICATIONS

Industrial, Telecom, Broadcasting, Medical, Gaming, IOT/AI

**AKASA CAN BE CROSSED WITH
SUNON/ CUI DEVICES/ ADDA**

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
TAIWAN	CHINA	32-bit MCUs	INDUSTRIAL, AUTO, TELECOM	AEC-Q100, AT-32A403A

SELLING POINTS

- Far superior to other companies in terms of IP, design process, production process, mass production experience . All parts are built-in ARM Cortex-M4 core and use 55nm advanced process.
- Extremely cost-effective.
- Significantly shorter lead times.
- Faster & high quality products.



ARTERY CAN BE CROSSED WITH
STM (direct), Renesas, Microchip, Giga
(direct)

APPLICATIONS

Micro-printers, balance wheels, three-axis stabilizers, electronic whiteboards, fingerprint recognition, sweeping robots, optical-flow drone, electric vehicle controllers, stage lighting, robot control and other consumer and industrial control terminal equipment applications.

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
Germany	Germany, China	Connectors, Heat sinks for Thermal Management, Cable Assemblies	Automotive, Industrial	ISO 9001:2008, ISO 14001:2005, UL



SELLING POINTS

- Experts at customization.
- Technical competence, flexibility towards changing markets and promptness.
- Well known as a global system provider for standard and customer-tailored parts.
- mainly produced cable assemblies and lighting technology for the automotive industry since 1993.
- Follow Zero Defect Strategy

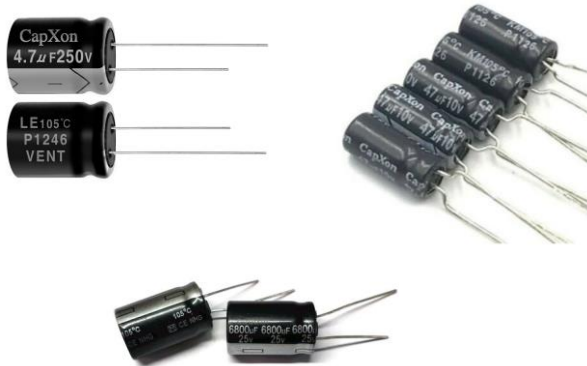
APPLICATIONS

- Automotive, Industry

ASSMANN CAN BE CROSSED WITH

W+P, PHOENIX CONTACT, DEGSON, CVILUX, NELTRON

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
China	China	Capacitors	AUTOMOTIVE, INDUSTRIAL	TS16949; certificate provided



CAPXON CAN BE CROSSED WITH

Rubycon, NCC, Nichicon, Panasonic, Daewoo, Lelon, Samwha, Jamicon

SELLING POINTS

- The ability to vertically integrate aluminum electrolytic capacitors with anode aluminum foils.
- Manufacture polymer capacitors with a rated voltage as high as 400V and have successfully developed aluminum laminated capacitors while applying them in the ultra-thin series.
- Capxon products stand out for meeting high standards in terms of service life, high capacitance, low impedance, heat resistance, high voltage.

APPLICATIONS

- Automotive, Medical, Data Storage, Controls & Drives, Lighting, Home Appliances, Automation, Renewable energy

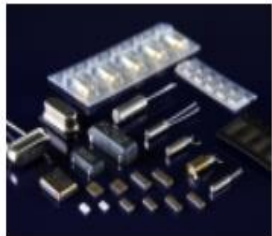
CITIZEN

<https://ce.citizen.co.jp>

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
JAPAN	JAPAN/ CHINA	Crystal, Crystal Oscillator	Consumer , Wearables, Automotive, Telecom, Medical	ISO14001:2015, ISO9001:2015, IATF16949



Crystal Units / Oscillator Crystal Chips (AT Blanks)



Crystal Oscillators

SELLING POINTS

- Over 60 years in operation.
- Japanese quality and reliability
- Well known brand worldwide

APPLICATIONS

Consumer Electronics, Wearables, Telecom, Medical

CITIZEN CAN BE CROSSED WITH

NDK, Raltron, Abracon, ECA, Murata, TXC, Taitien

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
USA	China, Japan, Taiwan, Thailand, Vietnam	Audio, Internconnect, Motion & Control, relays, sensors, switches, Thermal Management	Industrial, Medical	ISO 9001:2015



SELLING POINTS

- Competitive pricing for volumes.
- Good opportunity to push fans as competitors have long L/T
- A group of senior managers deeply involved in the historical growth of CUI Inc—and with over 15 years of average tenure—spun-off part of the business.

APPLICATIONS

- IOT, Medical, Power Supplies, Industrial

CUI DEVICES CAN BE CROSSED WITH
SUNON/ DELTA/ DENKI

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
USA	Canada, China, Taiwan, and Japan	AUDIO PRODUCTS, INTERCONNECT PRODUCTS, MOTION AND SENSORS, SWITCHES, THERMAL MANAGEMENT PRODUCTS.	Communications, Consumer Electronic, Medical, IoT	ISO 9001:2015 Certified



SELLING POINTS

- Good pricing for volumes.
- Variety of power resources and unparalleled customer service.
- Shorter lead times.

APPLICATIONS

- Medical Industrial Mobile applications Traction

CUI INC CAN BE CROSSED WITH

Aimtec, XP Power, Recom, Murata, Cincon, Traco

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
TAIWAN	TAIWAN/ CHINA/ LAOS	CONNECTORS	AUTOMOTIVE/ TELECOM / INDUSTRIAL / CE	AIATF 16949

Three Major Businesses



CviLux
Connectors



CviLux
Cable & Harness



CviLux
Accessories



SELLING POINTS

- Public Company under Well-organized Financial Condition
- Qualified Supplier for well-known EMS Plant around the world
- Well-developed Global Sales Channels
- Turnkey solution from Product Development to Production
- Full Operation and Management Information System
- International Qualification and Industrial Certificate

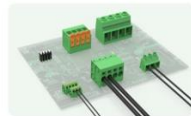
APPLICATIONS

Automotive, New Energy, Industrial Electronics, CE, Opto-electronics, Network Communications, Laptops, Smart appliances etc.

Cvilux CAN BE CROSSED WITH
Molex, JST, Panasonic, Tyco

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
CHINA	CHINA / VIETNAM	CONNECTORS	INDUSTRIAL	ISO9001, 80079-34, 14001, ROHS, REACH, IATF16949, IRIS ISO, TS22163, VDE, UL, CQC, ATEX

High-performance Device Connection Solution



PCB Terminal Blocks

Suitable for 0.08-35mm² conductor, screw or spring connection technology, installation can use wave soldering, reflow welding.



Transformer Terminal Blocks

Specially tailored for transformer devices, easy installation and firm screw connection.



Through-wall Terminal Blocks

Wire can easily pass through the housing panel to clamp together, tools free, thus realizing the electrical connection inside and outside the device.



Pluggable Connector

Suitable for 0.08-10mm² conductor, incoming wire direction, connection direction, insertion and pullout direction is optional.



Energy Storage Connector

Products comply with UL4128, patent structure design, safe, fast, reliable.



Barrier Terminals

The connection of barrier terminal blocks is straightforward and can be used with different types of crimping terminal.



M Series Circular Connector

Suitable for data, signal and power transmission in automatic test and monitoring equipment. Multiple error-proof codes to effectively avoid wrong connection.



Metal Parts

Spring or screw connection is optional, rated current ranges from 15A to 269A, superior in durability, temperature performance.



EV Charger

Charging device for electric vehicles, convenient operation, safe and reliable.



Electronic Housing

Using high-quality insulation materials which is easy to install, and bus-connection between the housings is optional.

SELLING POINTS

High quality products.

Can be crossed with many major connector brands.

High rate of customization possible.

Faster Lead Times.

Competitive Prices

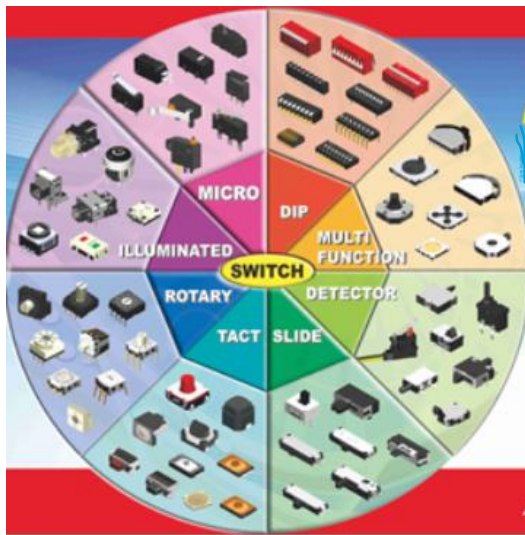
APPLICATIONS

Automation, Instrument, Electric power, New energy, Elevator, Lighting, Security, Machinery, Railway, Power supply, others.

DEGSON CAN BE CROSSED WITH

NELTRON, CVILUX, ASSMANN, PHOENIX CONTACT, W+P

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
TAIWAN	TAIWAN/ CHINA/ VIETNAM	SWITCHES	AUTOMOTIVE / INDUSTRIAL / MEDICAL/ CE/ IT	TS-16949



SELLING POINTS

- Integration : 6 Major Processes
- Including press, injection, plating, mold processing, LED bonding, and automatic machine assembling are integrated in house.
- Flexibility
- Strong Technique supporting
- LED bonding and switch integrated

APPLICATIONS

Automotive, Industrial Electronics, CE, IT, HA, Telecom, Smart appliances, Office equipment etc.

DIPTRONICS CAN BE CROSSED WITH

C&K, Omron, ADC, Honeywell, Eaton Cutler-Hammer, Allen-Bradley

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
USA	CHINA	FPGA	INDUSTRIAL	AEC-Q100, ISO 26262



SELLING POINTS

- Permanent, cost-effective solution for FPGAs.
- 40~70% lower power consumption compared to comparable FPGA.
- Shorter lead times from 24 weeks only.

APPLICATIONS

Consumer electronics, Edge computing, AI image processing, Industrial automation.

EFINIX CAN BE CROSSED WITH
Xilinx, Altera, Intel, Lattice, GoWin

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
INDIA	INDIA	EMI/EMC PRODUCTS, FEED THROUGH COMPONENTS, MILITARY GRADE FILTERS, SURGE PROTECTORS.	INDUSTRIAL	ISO-9001, 14001, NEMKO-EN/IEC, UL, ROHS, ZED, CE

SELLING POINTS

- Offering the world's largest range of EMI Solutions - from 50Hz to 40Ghz
- One stop destination for EMI/EMC products and services across industries and applications
- Scalable manufacturing facilities for customised requirements
- In-house Testing Laboratory Certifications & Compliances for US, Canada, Europe and South-east Asia
- Providing superior EMI solutions to 13 countries
- State of the art R&D Laboratory

APPLICATIONS

Defence & Aerospace, Automotive, Medical, Telecom, Energy and Power Supply Management, CE.



Comprehensive EMI Solutions

Power Quality Products EMI/EMC Products Feedthrough Components
 Military Grade Filters Surge Protectors

Built for the Future

At EMIS, we understand the pace of technology and innovation in the world. We understand that to build sustainable solutions, they need to be relevant and adaptable to the evolving requirements and environments. All our processes and scientific infrastructure systems come together to ensure that our products are built to stay.

EMIS CAN BE CROSSED WITH

MMG, Magnetics, Samwah, NEC, Hitachi, FDK, TDK

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
USA	USA, China	Ferrites, Inductors	Automotive, Industrial	ISO9001-2015, IATF-16949- 2016 Certified

SELLING POINTS

- Industry Leader with over 70 years of experience in this field.
- Can provide quick turnaround of prototypes and new designs with state of the art machining centre.
- FR engineers can work with customer’s engineers to develop a manufacturable electronic component.

APPLICATIONS

- **EMI Suppression Applications** : Industrial, computer, Telecom, Medical, Aerospace/ Defense, Automobile, Lighting.
- **Power/ Inductive Applications**: Current detection, Medical, UPS
- **Antenna/ RFID** : Security systems, proximity sensors, coin counters, Remote signalling, Animal tracking, Inventory control.



FAIR-RITE CAN BE CROSSED WITH

Cosmo, Superworld, Kingcore, Taiyo Yuden, Würth, Sumida

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
Germany	Germany	Chip Inductors, Chokes	Automotive, Telecom, Industrial, Medical	IEC/AEC-Q200, RoHS, REACH, ISO14001, ISO9001, ISO/TS 16949

SELLING POINTS

- 40 years of Inductors manufacturing experience & long terms business relationship with big well-know global player in Electric & Electronics industry.
- FASTRON expertise mastered know-how & high technology knowledge, supporting us to custom made special inductor suit to your project base application.
- Excellent quality product comply RoHS & REACH, IEC/AEC-Q200 standard & certified with manufacturing facility ISO9001, 14001 & IATF16949 (Automotive)
- Global reach network provide efficient customer support.
- R&D capabilities to capture latest market demand, strong in Medical, Automotive, Power module & etc application.
- Flexible shipment rescheduling & decision making

APPLICATIONS

Headliner display, Door power module, Engine control module, Anti-lock braking system (ABS), LED lighting ,Night vision, Toroid's, Electric power steering (EPS), Wireless Charging, Adaptive cruise control, Supplemental restraint system (SRS)

Moulded Inductors



Toroid Line Chokes



Suppression Coils



Customize Coils



Rod Core Chokes



Beads



FASTRON CAN BE CROSSED WITH

Bourns, Coilcraft, TDK-EPC, KOA, Murata, Pulse, Sumida, Würth, Toko.Viking, Chilisin, API, ABC, J.W Miller, Delta, Gang Song, Murata, TDK, Ferronics, Stevard, Siemens, Philips, FDK-Fuji

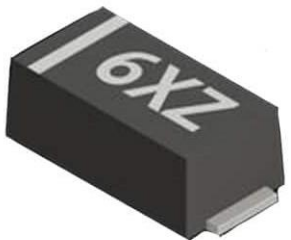
Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
TAIWAN	TAIWAN/ CHINA	DIODES, DISCRETE	AUTOMOTIVE, TELECOM, INDUSTRIAL	TS 16949

SELLING POINTS

- Fast switching-over speeds of Schottky Barrier Diodes, means electric connecting voltage is lower than others and the noise figure is also extremely low.
- PIV (peak inverse voltage) of the Schottky Barrier Diode is about 50V while the P/N Diode could be as high as 150V

APPLICATIONS

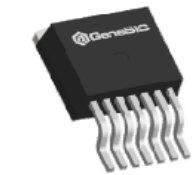
- Aerospace, Automotive, Netcom, 5G, Computers, Communications, Consumer Electronics, AI smart, Mobile phones, Wearable devices, Panels, Power supplies.



FORMOSA MS CAN BE CROSSED WITH

Rohm, Comchip, Nexperia, NXP, Philips, Diotec, Diodes Inc

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
USA	USA	Silicon Carbide Diodes, Mosfets	INDUSTRIAL, AUTOMOTIVE, MEDICAL	



GENESIC CAN BE CROSSED WITH
Infineon, Cree, Rohm, STM

SELLING POINTS

- Pioneer and world leader in Silicon Carbide technology.
- Holds leading patents on wide bandgap power device technologies and helps conserve energy in a wide array of high power systems.
- These components run cooler, faster, and more economically.

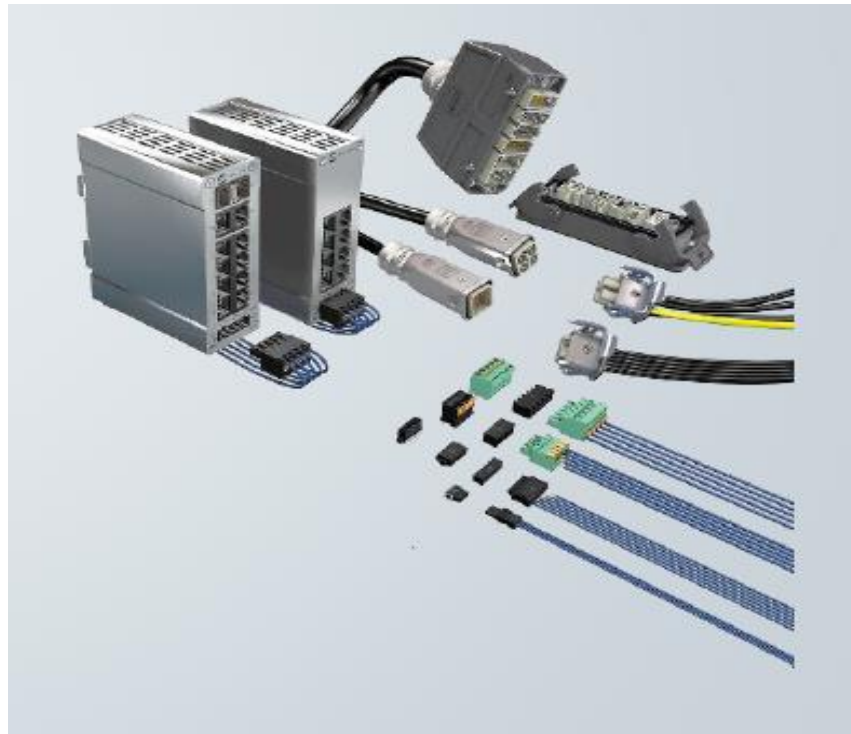
APPLICATIONS

Aerospace & Defense (Pulsed Power, Power Conversion and Distribution Systems, Integrated Power Solutions), Alternative Energy (Solar Micro-Inverter, Solar String Inverter, Solar Central Inverter, Rotor Side Converters (RSC) and Grid Side Converters (GSC) for Wind Energy Systems, High Voltage Sensing and Protection Equipment, Auxiliary Power Supply), Automotive (On-Board Charger, Extreme Fast Charger, Power Train Inverter, High Voltage Sensing and Protection, DC-DC Converter) and Industrial (Motor Control, Switched Mode Power Supply (SMPS), Uninterruptible Power Supply (UPS), Smart Energy and Smart Metering, Induction Heating, Welding, LED and HID Lighting, High Voltage Sensing and Protection, Auxiliary Power Supply)



<https://www.harting.com>

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
Germany	Germany / China/ India/ Europe/ USA/ Canada/ Russia/ Mexico	Industrial Connectors	Automotive, Industrial	ONR 192500, RS10, AS9100, OHSAS 18001, ISO/TS 16949, IRIS, CCC, ISO9001, KTA 1401 ETC



SELLING POINTS

- **Reliability and Durability:** HARTING connectors and solutions are known for their robustness and ability to withstand harsh industrial environments.
- **Customization:** HARTING's Han-Modular approach to connectors allow customer to customize their solutions by combining different modules in one connector
- **Industrial Ethernet Solutions:** HARTING's industrial ethernet solutions contribute to the development of Industry 4.0 and smart manufacturing.
- **Global Presence:** HARTING operate on a global scale, with a presence in various regions around the world.
- **Expertise and experience:** With decades of experience in the field of industrial connectivity.
- **Quality Standards:** HARTING's products often adhere to strict quality and safety standards.

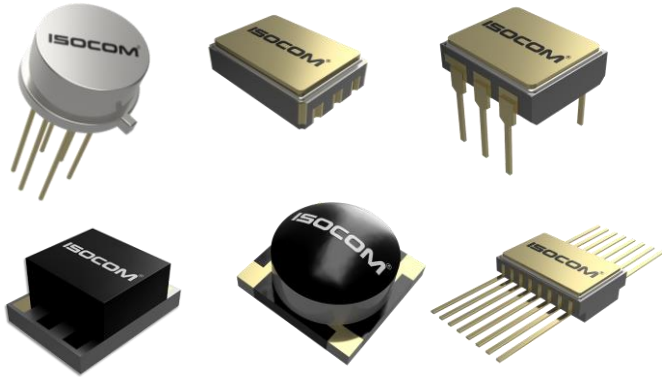
APPLICATIONS

Automotive, Machinery, Automation, Machine Tools, Food processing, Packaging, Robotics, Data Centre, Energy Distribution.

HARTING CAN BE CROSSED WITH -

Amphenol, 3M, Phoenix Contact, Weidmueller, TE Connectivity, Tamura, Wago, AMP

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
UK	China / Thailand	Optocouplers, Optoswitches, Sensors	Telecom, Industrial, Medical	VDE, UL, NEMKO, CQC, IEC 60747-5-5, EN 60747-5-5, UL1577



SELLING POINTS

- Shortest manufacturing lead times.
- Competitive pricing and better availability with drop-in replacements.
- Easy to cross.

APPLICATIONS

Plant automation, personal computers, monitors, printers, hard discs, fax machines, exchangers, security equipment, alarm systems, radios, inverters, alternative changers, battery chargers, various types of motors, mixed integrated circuits, CD ROMs, scanners, modems, HVAC, translators, DC-DC current transformers, AC-DC current transformers, vehicle hi-fi sets, CDs, wireless telephones, devices, mobile phones, sphygmomanometers, digital cameras, electronic games and electric razors.

ISOCOM CAN BE CROSSED WITH

Fairchild, Vishay, Infineon, Toshiba, Sharp, Avergo, Orient Opto

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
CHINA	CHINA	Diodes, TVS, Mosfets, Triacs, BJT	AUTOMOTIVE, INDUSTRIAL,	ACQ-101

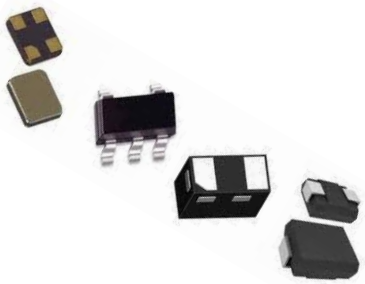
SELLING POINTS

- Largest China-based provider of outsourced semiconductor assembly and test (OSAT), and world #3 after ASE Tech and Amkor (Revenue USD 3.7B).
- Comprehensive product portfolio that includes Silicon controlled Rectifiers, Dual Transistors, MOSFETs, Diodes, Transistor-MOSFETs, Isolated Transistor & Diode, Dual Digital Transistors, 3 terminal V Regulator IC, Charge IC, Lithium Battery Protection IC, Hall IC, Reset IC, Voltage Detection, Amplifier, DC-DC, LDO, SJ MOSFET, Multi-Channel MOSFET, P-Channel MOSFET, N-Channel MOSFET, Transistor for Power Sharing, Digital Darlington Transistor, Bridge Rectifier, Fast Recovery Diodes, Rectification Diodes, Power TVS, TVS Diode, Zener Diode, Schottky Barrier Diode, PIN Diode, Switching Diode, Temperature-compensated Crystal, Voltage Controlled Crystal, Quartz Crystal Oscillator, Quartz Crystal Resonator.
- Can be crossed to other leading semiconductor makers.

APPLICATIONS

Power Supply, HA, Street Lighting, Electric tools, auto, Smart instruments, Monitor, Industrial.

JSCJ CAN BE CROSSED WITH
 Onsemi, Vishay, Nexperia, We-en,
 Diodes, LITTELFUSE, Rohm, Taiwan Semi





www.jianghai.com

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
China	China/ Mongolia	Capacitors	Industrial / Medical /CE	ISO9002, ISO9001,14001, ROHS, GJB900A- MILITARY, CNAS,UL, ISO-TS16949, OHSAS18001.



SELLING POINTS

- The unique global supplier which can simultaneously provide E-cap, film capacitor and super capacitor for the industrial application
- World Top-10 E-cap manufacturer & **Top-3** for industrial application

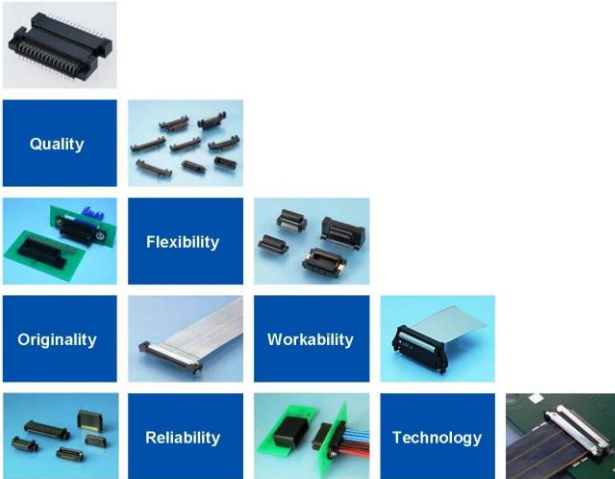
APPLICATIONS

- Power Supply, Automotive, New Energy, Industrial Inverter, CE, Traction, Medical.

JIANGHAI CAN BE CROSSED WITH

Lelon, Rubycon, NIC, Samwha, WIMA, Adage, Nichicon, Su'scon

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
JAPAN	JAPAN	Sockets, Board-to-board Connectors, Board-to-wire Connectors, Interface Connectors, Battery Connectors, Card Connectors, Bus Rack Systems, Backplanes Optional Units, Rack Accessories	INDUSTRIAL	ISO9001, 14001



SELLING POINTS

- Achieves the smallest size in the industry height and length & can be fixed anywhere using cable tie.
- Highly reliable design with three-point contact KEL original male and female isomorphic terminals.
- Connector structure that reduces man-hours during work.
- Solid lock structure with audible "click".

APPLICATIONS

- Agri market (plant factory, dairy, paddy field, etc.)
- Lighting equipment market (LED displays, street lights, tunnel lighting, etc.)
- Air conditioning equipment market (commercial air conditioners)
- Kitchen equipment market (commercial showcases, vending machines, coffee servers, etc.)
- Sanitary equipment market (washroom, bathroom, toilet equipment, etc.)
- Security market (outdoor lighting / surveillance cameras)
- Drone market / Other equipment market

KEL CAN BE CROSSED WITH
HIROSE, PHOENIX CONTACT

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
USA	CHINA	WIRELESS MODULES, SYSTEM-ON MODULES, INTERNAL ANTENNAS, IOT DEVICES	INDUSTRIAL, MEDICAL, COLD CHAIN MONITORING, WIFI 6 & 6°, COMMERCIAL IOT.	IS 9001: 2008



SELLING POINTS

- Wireless Expertise
- Customized IoT solutions
- Unmatched customer support
- Highest performing and reliable products.
- EMC & Wireless testing services.

APPLICATIONS

INDUSTRIAL, MEDICAL, COLD CHAIN MONITORING, WIFI 6 & 6°, COMMERCIAL IOT.

LAIRD CONNECTIVITY CAN BE CROSSED WITH U-BLOX, QUECTL, MURATA, ESPRESSIF, SIERRA WIRELESS



<http://www.lelon.com.tw>

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
TAIWAN	TAIWAN / CHINA	CAPACITORS	AUTOMOTIVE/ TELECOM / INDUSTRIAL / MEDICAL	AEC-Q200, ROHS, IATF16949, ISO-9001, 14001, 45001, HALOGEN FREE, QC 080000



LELON CAN BE CROSSED WITH

Rubycon, NIC, Samwha, WIMA, Nichicon, Adage, Nippon, Chemicon, Kemet, Murata

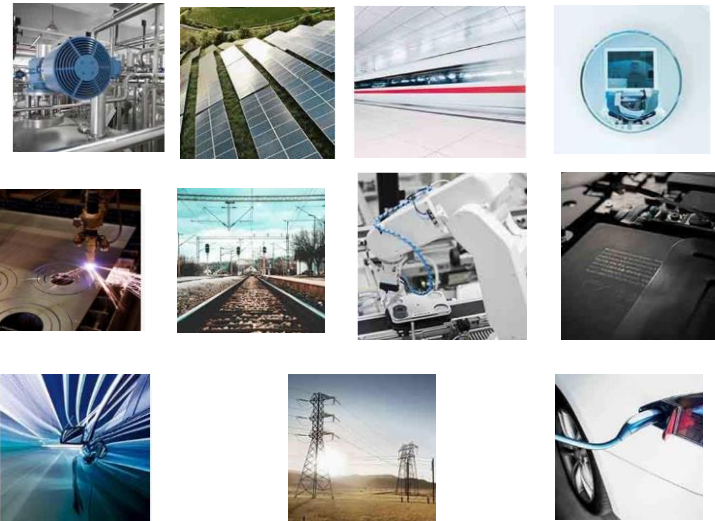
SELLING POINTS

- 46-years Experienced, Listed Company & Solid Financial Capabilities
- 596 Million pcs/month, Major Manufacturer for V-chip (E-cap, Polymer, Hybrid)
- Economic Scale & Systemized Management
- Advantages in Foil Cost, V-chip Hybrid,
- 20,000hr-life for V-chip Polymer
- Patent on Flame Retardant Capacitor
- Sufficient Foil Withstand Voltage in Design
- Flexible Lead-time / Global Logistic Capabilities

APPLICATIONS

- E-cap solutions for high-end applicationAutomotive Electronics
- Telecom/Network
- Cloud Computing
- Power Electronics

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
SWITZERLAND	SWITZERLAND, JAPAN, CHINA, BULGARIA	SENSORS FOR CURRENT, VOLTAGE & INTEGRATED CURRENT, ROGOWSKI COIL, ENERGY METER	AUTOMOTIVE, INDUSTRIAL	ISO9001,14001, IATF16494, ISO IEC 17025, ISO TS 22163(IRIS)



SELLING POINTS

- Certified for very high quality and precision by multiple agencies.
- 5 year warranty
- Nature and human health protection
- Continuous innovation

APPLICATIONS

Automotive battery management, EV Chargers, Automotive motor control, Smart grid, Welding, Automation, Drivers, High precision, Power supplies, Renewable Tractside, Traction.

LEM CAN BE CROSSED WITH
ALLEGRO, HONEYWELL, ACREL

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
TAIWAN	USA, MEXICO, BRAZIL, CHINA, THAILAND, TAIWAN, PHILIPPINES, VIETNAM, SINGAPORE, INDIA	SMD LEDs, Lamp LEDs, LED Displays, Photocouplers, Infrared Components, Optical Sensors and High Power & UV LED etc	Information & Communication Technologies, IoT & Smart Life Applications, Automotive	ISO9000, 9001, 9002, 14000



SELLING POINTS

- World-leading provider of opto-semiconductor, power supply management and key electronic products global manufacturing facilities
- Active deployment in the fields of cloud computing, automotive electronics, 5G, AIoT and optoelectronics, coupled with expansion of new business for smart life
- Professionalism, rich industrial experience, flexible supply chain management.
- With quick response and diverse worldwide operational centers

APPLICATIONS

Information & Communication Technologies, IoT & Smart Life Applications, Automotive

LITEON CAN BE CROSSED WITH

Fairchild, Vishay, Infineon, Toshiba, Sharp, Avergo, Orient Opto

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
Germany	Hungary, China, Maldoval, Vietnam	Residual current sensors, EMC Cores, Current Transformers, Inductive Components	Automotive, Telecom, Industrial	ISO 14001:2015, IATF 16949, ISO 9001: 2015, ROHS, REACH



SELLING POINTS

- 40 years experience & know how
- International focus
- Reliability and quality
- Sustainability and future oriented.

APPLICATIONS

- Automotive, Energy, Industry, Safety

MAGNETEC CAN BE CROSSED WITH

VAC, Proterial (Formerly called Hitachi Metals), Nicore APERAM, Hero Magnetics etc Proterial and VAC, TDK and Ferroxcube



<https://www.neltron.com.tw>

Country	Production Locations	Type of Products	Main Applications	Remarks
Taiwan	Taiwan, China	Connectors, Board-to-Board, Wire-to-Board, USB, Cable Assembly,	Automotive, Industrial, Medical, Telecom	ISO9001-2008,ISO14001-2004,ULE144392, UL239299,UL315658,USBRevision2.0,RoHS, ISO/TS16949



SELLING POINTS

- 30-year-long zero-defect philosophy
- Internal tool design and manufacturing
- Development, manufacturing and monitoring of high-performance production lines
- High quality injection molding
- Automated cable and connector assembly
- Advanced material and procurement system
- Strict raw material suppliers selection

APPLICATIONS

Consumer Electronics, Computers, Automotive, Telecom / Data com, Industrial, Power system, Energy, Automotive, Waterproof.

NELTRON CAN BE CROSSED WITH
Molex, JST, AMP, Hirose, ExceedconXCEEDCON

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
USA	JAPAN/ TAIWAN / INDONESIA / CHINA /THAILAND	CAPACITORS, RESISTORS, INDUCTORS	AUTOMOTIVE/ TELECOM / INDUSTRIAL / MEDICAL	AEC-Q200, IATF16949



SELLING POINTS

1. High quality brand.
2. Has one to one replacement with multiple brands.
3. Automotive grade components available.
4. Factories in Japan, Taiwan, Thailand and Indonesia ensures no supply chain disruption.

APPLICATIONS

Automotive, Industrial Electronics, Telecom, Medical.

NIC CAN BE CROSSED WITH

Kemet, WIMA, Vishay, Panasonic, Nichicon, Rubycon, Yageo

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
TAIWAN	TAIWAN	NAND FLASH CONTROLLER	TELECOM, INDUSTRIAL, MEDICAL	ISO 9001:2015



PHISON CAN BE CROSSED WITH
 Sandisk, Toshiba, Realtek, Marvell etc

SELLING POINTS

- With IoT devices, embedded technology and 5G implementation, demand for storage is surging which Phison can help with.
- Innovate product design using SSD Controller IC and eMMC/UFS Controller IC and provide system integration services.

APPLICATIONS

- Storage solutions for the consumer, industrial and enterprise markets.
- Communications, financial services, home entertainment, medical services, research, transportation, construction, industrial and cloud applications.



<https://www.rubycon.co.jp>

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
JAPAN	JAPAN / INDONESIA	CAPACITORS	AUTO/ INDUSTRIAL/ MEDICAL	AEC-Q200, ROHS, ISO14001



RUBYCON CAN BE CROSSED WITH

Nippon Chemicon, Nichicon, Panasonic, ELNA, Suncon, Hitachi

SELLING POINTS

1. High quality Japanese brand.
2. Has one to one replacement for other famous Japanese brands like united chemicon, Nichicon.
3. Automotive grade components available.
4. Factories in Japan and Indonesia ensures no supply chain disruption.

APPLICATIONS

Automotive, Industrial Electronics, Renewable Energy, Lighting, High end consumer electronics.



<http://www.samwha.com>

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
Korea	Korea, Thailand, Indonesia	MLCC, Film Capacitor, DC Link Capacitor, DCC & CI & Hybrid Cap	Automotive, Telecom, Industrial	ISO 9001:2015/KS Q ISO9001:2015 IATF 16949:2016 ISO 14001:2015 OHSAS 18001:2007/K-OHSMS 18001:2007 & KOSHA 18001



SELLING POINTS

- Reliable Quality - 3 years guarantee
- Low Cost - Competitive price
- Fast Delivery - Avg. within 4 weeks (power capacitor)
- Excellent Service - Prompt response to customer
- Dedicated Capacitors business since 1956 for enhanced product quality
- Increased customer satisfaction (since 1956)
- Environmentally friendly

APPLICATIONS

Home Appliances, Automotive, Telecom, IoT & AI, Semi-Conductor, Telecom and Network, Others.

SAMWHA CAN BE CROSSED WITH

Kemet, WIMA, Vishay, Panasonic, NIC, Nichicon, Rubycon, Yageo, Epcos, Nippon, Chemi-Con, Nichicon, Philips, Pilkor, Iskra



<http://www.socle-tech.com>

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
Taiwan	Taiwan , China	Optocouplers, Sensors	Telecom, Industrial, Medical	VDE, UL, NEMKO, CQC



SOCLE CAN BE CROSSED WITH

Liteon, Everlight, Vishay,
Isocom, Toshiba, Fairchild,
Infineon

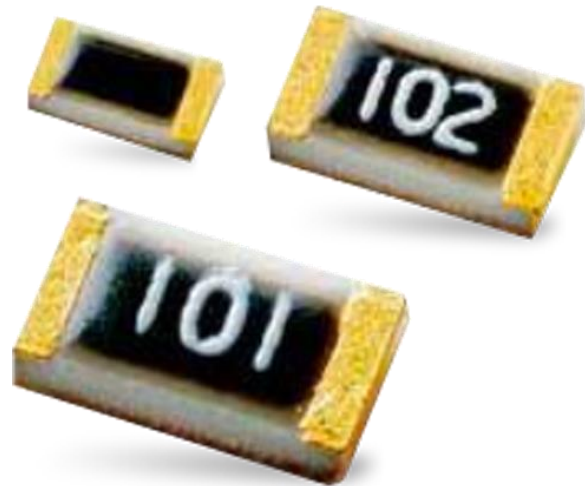
SELLING POINTS

- 100% Foxconn-owned IC ODM and IC Channel company.
- Has well-established footprint.
- Products: CMOS Image sensors, Photo couplers, Phototriac, Solid State Relay, Photointerrupter, Proximity Sensors, Light Detectors, Phototransistor, PIN Diode, IR Emitter Detector, Distance Measuring Sensor, Dust Sensors, Laser Diodes, Microwave Body motion sensors

APPLICATIONS

- Plant automation, Personal Computers, Monitors, Printers, CE, Inverters, HVAC, Mobiles, etc

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
JAPAN	JAPAN/ CHINA	Thin Film Resistors	AUTOMOTIVE, INDUSTRIAL, MEDICAL, TELECOM	ISO 9001, 14001, IATF - 16949



SUSUMU CAN BE CROSSED WITH
KOA SPEER, VISHAY, VPG, VIKING

SELLING POINTS

- Largest thin-film resistor OEM in the world.
- Low noise resistors.

APPLICATIONS

- Telecommunication & networking
- Computers & storage devices
- Power supply equipment
- Test & measuring equipment
- Medical equipment
- Automotive
- Consumer electronics

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
USA	JAPAN/ TAIWAN / INDONESIA / CHINA /THAILAND	CAPACITORS, RESISTORS, INDUCTORS	AUTOMOTIVE/ TELECOM / INDUSTRIAL / MEDICAL	AEC-Q200

SELLING POINTS

- Winding is the core technology of Sumida, complemented by 7 other basic technologies.
- Competitive solution provider
- Leading expert in coil related technologies.
- Use a balanced blend of experiences to design and manufacture high quality products

APPLICATIONS

Automotive, Industrial Electronics, Telecom, Medical.

SUMIDA CAN BE CROSSED WITH

Bourns, Coilcraft, TDK-EPC, KOA, Murata, Pulse, Sumida, Würth, Toko.



Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
USA	USA, AUSTRIA, FRANCE, GERMANY	Sensor, Foil Resistors	INDUSTRIAL, TELECOM	MIL, ER, CECC, AS9100, NASA, ESA, AEC-Q100/101/200, ISO 9001, IATF 16949, VDA 6.3, UL, ISO 14001, OHSAS 18001 / ISO45001, IRIS, ISO 13485, ISO 50001

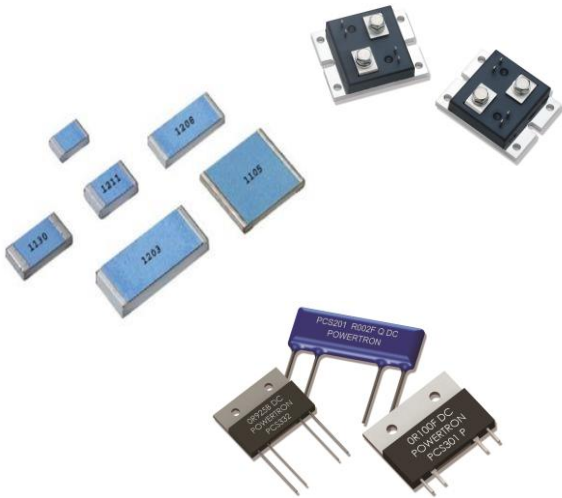
SELLING POINTS

- Unparalleled precision, stability and reliability.
- Wide variety of configurations and packages designed to surpass the requirements of even the most demanding applications.
- Outperforms all other resistor technologies available today due to its low TCR for applications that require precision, stability, and reliability.

APPLICATIONS

- Aerospace, Audio, ATE(automatic test equipment), Avionics, Energy, Industrial, Metrology, Medical, Military, Precision Instrumentation and Telecom.

VPG CAN BE CROSSED WITH
VISHAY, SUSUMU, KOA SPEER





<https://www.wima.de>

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
Germany	Germany	Capacitors	Automotive, Telecom, Industrial, Medical	AEC-Q200, ISO 9001:2008, IEC, RoHS 2011/65/EU,



SELLING POINTS

- World's leading manufacturer of high-quality film capacitors.
- Specialized in manufacturing customized products.

APPLICATIONS

- Ballasts, Energy saving lamps
- RFI, Transformers, - AC/DC converters
- Control electronics, Security systems, EMC, Potential transformer, Sensor technology, Liquid control / flow measuring
- RFI , X-Ray / dialysis
- Ignition capacitors for airbag, Control units for communication, motor+ gear
- Belt pretensioner, Lighting: Xenon-ballast, Bus interface systems - Alternative energies, Wind power / solar panels, Data transmission, Communications engineering, Air / Space technology, Railway vehicles, Modems, DSL/ADSL splitters

WIMA CAN BE COMPARED WITH - Kemet, Vishay, TDK Epcos, AVX, Electronicon, Faratronic, and Panasonic



<https://wppro.com>

Country	Production Locations	Type of Products	Main Applications	Quality Management System (QMS)
GERMANY	GERMANY / CHINA	CONNECTORS	AUTOMOTIVE/ TELECOM / INDUSTRIAL / MEDICAL	ISO9001, 14001, ROHS, REACH, IATF16949

SELLING POINTS

High quality products.
Manufacturing in Germany and China gives you best of both quality and price depending on customer.
High rate of customization possible.
Low Lead Times.

APPLICATIONS

Industrial , Automotive, Telecom, Medical

W+P CAN BE CROSSED WITH
NELTRON, CVILUX, ASSMANN



THANKS



HAPPY SELLING!