



MERRILLCHIP
美林美深科技 Electronics co., ltd.

MERRILLCHIP Overview





Stability

- Established in 2010
- Diverse business models
- Dun & Bradstreet rating of 5A1
- 10+ years experience management team



Supply Chain Service

- Customized solutions
- Support large and small orders
- Global logistics&business support
- Vendor Managed Inventory Service (VMI)



Market Information

- Products information
- Global price&supply information
- Sales and market trend analysis
- Electronics Industry Information



Supply Service

- Supply shortage IC
- Supply unpopularity&shortage chips
- PPV cost saving plan
- Product life cycle management



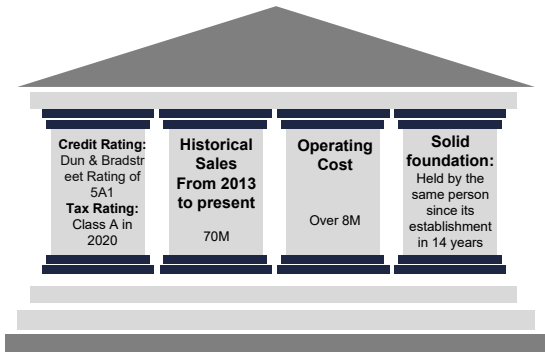
Technical Support

- Unique transaction&quality system
- Professional IT team on-site support
- Customized real-time reporting system
- Global product information integration



Certification&Operation

- Anti-counterfeiting&testing laboratory
- Certified operation process and technician
- Various industry certifications
- Three regional operation centers
- Certification of the Fifth Research Institute of MIIT China
- Certification of China Aerospace 777 Institute Taiyi Microelectronics Laboratory
- Certification of West Valley Microelectronics Testing Laboratory - Central Military Commission Military Calibration and Testing Laboratory



Independent Dealer Ranking

Ranked No. One 15 times in the past 18 years



Year	Income	Rank
2018	\$1.66B	*
2017	\$1.5B	1
2016	\$810M	1
2015	\$516.2M	1
2014	\$748M	1
2013	\$586M	1
2012	\$465M	1
2011	\$513M	1
2010	\$380M	2
2009	\$437M	1
2008	\$311M	1
2007	\$301M	2
2006	\$408M	2
2005	\$509M	1
2004	\$513M	1
2003	\$319M	1
2002	\$295M	1
2001	\$324M	1
2000	\$464M	1

Industry Publications

- *Source Today*
- *Merrill chip*
- *Global Purchasing*
- *EBN*
- *Electronic Sourcing*
- *Electronics Advocate*
- *Purchasing Magazine*

*2018年排名待定

Top Distributor in 2021 by SourceToday



1. Arrow Electronics, Inc.
2. WPG Holdings LTD
3. Avnet
4. Future Electronics Inc.
5. Digi-Key Electronics
6. TTI
7. Electrocomponents plc/Allicon Electronics & Automation
8. Mouser Electronics
9. Premier Farnell/Newark

19. **MERRILLCHIP Inc**

MERRILLCHI

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Source:



Global Business Map



● 50 Employees ● 5 Branches ● Global Network ● 36 languages

Customer Categories



Cloud Computing



Mobile Devices



Internet



Computer



Consumer



Transportation



Oil and Gas



Industries



Medical



Automation



E-commerce



Aerospace



Vehicle



Defense



Education



Energy Industries

MERRILLCHIP Intelligent Agent Distribution Model



Supply chain management has always been in a state of change: market fluctuations, product updates, and forecast changes.

Merrillchipintelligent distribution model can be applied in a variety of demand, providing prompt global electronic component distribution, procurement and logistics services, regardless of channel or location.

Merrillchip's professional industry knowledge, customized supply chain services and flexible logistics support will bring you a simpler, faster and more efficient supply chain experience.

Merrillchip's smart distribution model is simple, but smart.

Simply Smart.



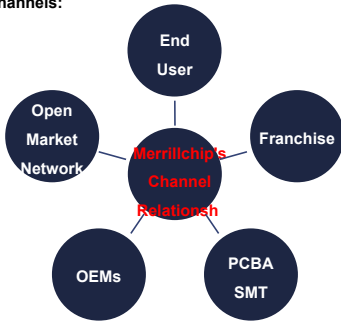
MerrillChip provides customers with end-to-end sales, procurement, operations and supply chain services, Meet the needs of customers at all stages of the IC chips' life cycle.



- Supply shortage IC
- BOM quotation
- Supply special components such as LTB and EOL
- Products management
- New Product Introduction (NPI)
- Alternative domestic chips
- Suppliers management and screening



Merrillchip's reliable global suppliers network allow us to obtain products from different secure channels:



Merrillchip's unique business model provides our customers with value-added services in the following ways:

- Unique transaction system
- Global product prices and supply & demand information
- Professional Product Knowledge
- Self-developed CRM tools
- Suppliers Management System
- **Multi-channel suppliers network**
- Electronic archive of all transaction BOM



The advertisement features a blue header with the text '3500个世界级品牌' (3500 World Brands) and '3500 World Brands' in English. Below this, it states '满足您所有的工程与生产需求' (Meet all of your engineering and production needs) and 'Meet all of your engineering and production needs' in English. A list of services is provided: 研究 Research, 设计 Design, 生产 Production, and 维护 Maintenance. The graphic includes a circular diagram with various icons representing different stages of a product lifecycle. At the bottom, it says '支持您的每一步' (Support you every step of the way) and 'Support you every step of the way' in English, followed by the website 'www.merrillchip.com'.

3500个世界级品牌
3500 World Brands

满足您所有的工程与生产需求
Meet all of your engineering and production needs

研究 Research
设计 Design
生产 Production
维护 Maintenance

支持您的每一步
Support you every step of the way

www.merrillchip.com

美林美深半导体
Merrillchip semiconductor

Merrillchip's cost reduction business

Join Merrillchip's PPV program and we will leverage our market intelligence and cutting edge technology to maximize your cost savings. Merrillchip provides you with a flexible plan to ensure a long and stable supply of



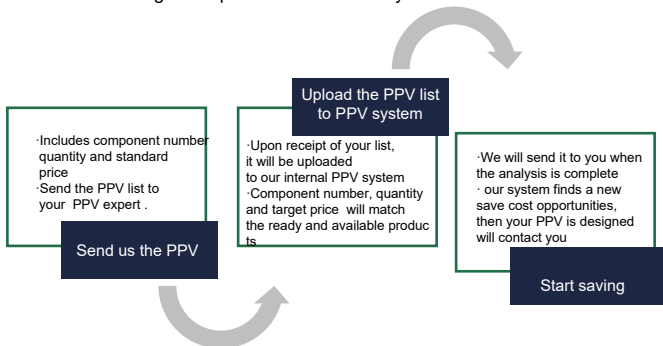
- Unique cost reduction tool · PartMatch
- Import chip factory advantage channel
- Unlimited number
- Global sourcing
- Merrillchip exclusive partnership
- Arrange orders and keep inventory
- Long-term, stable supply
- Domestic chip replacement cost reduction program

PURCHASE PRICE VARIANCE (PPV) PROGRAMME

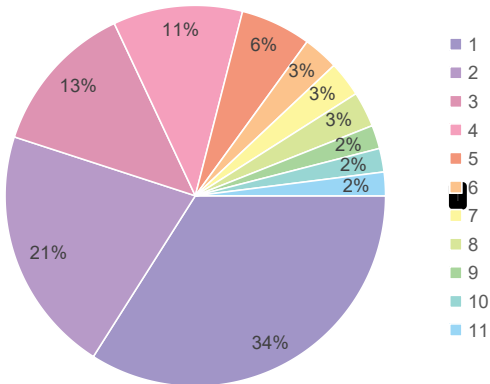
Our PPV Team has much experience in monitoring market and price changes , so we can increase your profits. Merrillchip provides personalized service and quick response, we will keep you informed throughout the PPV process.



The following is the process of our PPV system:



Top 10 MERRILLCHIP sales order value in 2020 PPV Manufacturer (January to October)



Product Management team

The Merrillchip product management team is composed of experts with a high level of knowledge of the markets for the products and services offered by Merrillchip. As a key resource for Merrillchip sales teams and partners, Merrillchip product managers include experts familiar with the following areas

- Active component
- Memory、FLASH
- Communication components
- IC and active component
- Passive component
- connector and socket
- Military component
- CPU、MCU、DSP
- Communication components



Merrillchip Product Management Team:

- Drive customer inventory sales
- Provide customized purchasing strategy to customers
- Assist customers to find lower prices and purchase and shortage of goods
- Retain and collect product information (alternative components, PCN, EOL, Special hard-to-find components, etc.)



Product Classification

Active component



Microcontroller	Power ICRFIC
FPGA	Military separation
DSP	device
Logic IC	Bare chip, wafer

IC, Passive, and mobile components



Capacitancer	Relay
Resistor	Sensor
Inductor	Military switch
Fuse	Splice

Memory IC



Memory products	Flash memory
DRAM	SD card
DDR	Flash

Consumer products and industrial



Main board	Base station router
Military power	Input equipment
Fan	CNC equipment
Display card	Home automation

Optical element



LED	Laser diode
OLED	Solar cell
Photodiode	Optical fiber

FPGA



Desktop	Laptop
Sever	Mobile devices
Enterprise/cloud computing	FPGA industrial control

Hard drive IC



Hard drive	M.2 SSD
Solid state disk	PCIe
mSATA SSD	SSD

PCBA\ SMT



Desktop	Auto equipment
Laptop TV	Armarium
Mobile devices	Consumer devices
	Military products

Supplier selection

Apply

- Company background and management contact information
- Financial information and contact information of the financial officer, including D&B and bank reference
- Certificate of credit

Check

- Strengthen the evaluation of potential suppliers
- Merrillchip supply chain experts will conduct site visits to applicants if necessary
- Conduct a comprehensive evaluation of the applicant's quality management system, company policies, business processes and overall operations

Approve

- Merrillchip's trade Manager, Quality Manager, Credit Manager and Corporate Security department will conduct a final review of the applicant's qualifications
- Only suppliers with official supplier numbers will receive orders for merrillchips

Supplier management

Once approved, suppliers will be assigned a supplier number and Merrillchip will manage supplier information using an internal supplier rating system.



Good performance

Provide clear source of goods and favorable trading terms



Approved

Trading conditions
A bit limited



Conditional

Unrecognized performance, or less transactions, or origin of goods need to be examined



No Trade

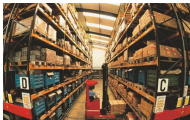
Poor quality and poor performance

PCBA\SMT processing for international customers



- Quality guarantee
- Appearance inspection
- Functional test
- Security testing
- Safe storage
- Receipt, delivery and logistics

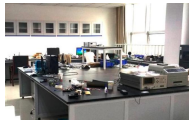
Advanced operating facility



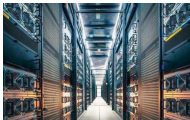
Huge storage space



Performance testing laboratory



Anti-counterfeiting laboratory



Hard disk security processing room



Efficient job partitioning



Antistatic device

Quality certification



ISO 9001



AS9120



AS6081



ISO/IEC 17025



ISO 13485



ISO 14001



U.S. Customs
Importer



Transported Asset
Protection



Member of GIDEP



ANSI/ESD



DLA QSLD and
QTSL



CCAP-101



OHSAS 18001



R2 Responsible
Recycling



IPC-A-610/
J-STD-001

Safety facilities



External warehouse
security facilities



Internal access
restriction



Login security



Stock is protected
by lock



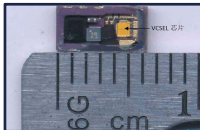
Police officers
on patrol



Hard disk security
processing room

Components arriving at the Merrillchip warehouse are subject to microscopic examination, digital measurement and complete image acquisition and archiving by experienced professional inspectors, staff and engineers.

- Inspection of outer packing
- Inspection of inner packing
- Check the documents
- Photo archive
- measurement
- detection
- Complete the checklist
- Management approval



Performance Testing Laboratory and
ISO9001 quality System certificate



The following are available:

- The fifth Institute of Electronics, Ministry of Industry and Information Technology of China laboratory certification
- China Aerospace 771 Research Institute - Taiyi Microelectronics Laboratory certification·CMC Military Calibration and Testing Laboratory - Xigu Microelectronics Testing Laboratory certification
- Beihang Military Components Testing Center GJB9001-2017



The value of Merrillchip



CPU

- Perform manufacturer's standard tests
- Global standardized testing
- Packaging, functional testing, and re-marking tests



DSP MCU

- Complete diagnostic tests
- Custom hard disk simulation test
- Test according to customer specifications
- Provides data clearing services



FPGA

- Field programmable gate array (FPGA)
- It's a programmable device



Connector and Passive component

- Check passive components to ensure there are no open or short circuit problems
- Make sure the component is not programmed
- Confirm component performance (resistance/capacitance/inductance)



Diodes Transistor

- Manufacturer specification performance testing
- Memory module test
- Server level and burn test



LOD DC-DC

- Use standalone test components for diagnostic tests
- Custom programmable drivers and modes
- Supports products of various sizes and manufacturers



Analog chip

Process continuous function - form analog signals
Integrated circuit (sound, light, temperature, etc.)



SD card, Memory chips

- All SD card, sound card and video card tests
- Capacity and performance testing
- Output quality and smoothness of sound and video cards

Company elite sales team



Anti-counterfeiting detection equipment

- Anti-counterfeiting detection equipment anti-shear degree tester
- test bonding strength and distribution
- confirm standard of bond strength
- test integrity of material on chips



Luxo/Meiji microscope

- High power microscope; 400x times magnification
- Examine Encapsulation coating, polish, oxidation and tin plating phenomenon



Dynasolve Chemical reagent test

- test cover condition of surface layer
- test polish and texture difference
- Make the cost apparent



Keyence Digital microscope VHX-5000 series

- Full focus image capture
- Super high resolution HDR and easy operating 2D/3D Integrated measurement system



Anti-counterfeiting IC detector

- Test unique electrical characteristics of components
- compare with known good products



C-SAM Acoustic microscope

- collect pulse-echo image
- test vacancy, breakage, hierarchy phenomenon
- Penetrates the encapsulation overlay to appear mark



Electronic unseal instrument

- confirm chip size and factory brand
- check P/N
- examine chip structure



Fischerscope X-ray Spectral fluorometer

- Analyze of small structure and component materials
- Automatic measurement
- Analyze surface thickness and composition



Heat resistance and solderability testing system

- Test the solderability of the stitches
- Confirm outer persistence
- check corrosivity/oxidability



x-ray machine

- confirm no vacancy
- confirm Stitches and wires intact
- compare OEM componets and X-ray picture



Tagarno-Magnus microscope

- Recreate 60X ultra hd images
- Super color display
- Check for loss, delay, or interference problems



Xeltek Super Pro3000U programming unit

- Detects whether components are programmed
- More than 48,000 pieces of equipment were tested
- Test equipment from 211 manufacturers



WAYNE KERR 6440 A-B LCR METER

- Test passive component
- measure impedance
- measure capacity, inductance and resistance



PRIORITY LABS CURVE TRACER 625

- Analyze the characteristics of the anomaly
- Verify pin/electrical continuity
- Perform reliability analysis



KEITHLEY 2450 SOURCEMETER

- Measurement of LED characteristics
- Simultaneously measure accurate voltage and/or current



Scope of services



- IC chip、 Integrated circuit component
- DDR memory chip,EMMC and FLASH
- Chip firmware upgrade and modification
- Dispose sluggish、 Decommissioned material
- matching、 Bar code production and Label service
- Surplus inventory management plan
- Customer inventory management and sales
- Repackaging and sales





Explore new revenue opportunities

Excess inventory solutions, Asset disposal item, resale and renovation services.



Reduce inventory costs

Reduce the cost of business, Storage of components and EOL/LTB project.



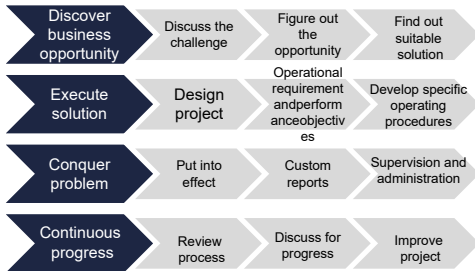
Improve operational efficiency

VMI, On site procurement, Testing and inspection, Rich logistics experience.

Appearance inspection

Merrillchip has more than 10 years IC chip sales experience that can provide super service from identifying problems to proposing custom solutions. We can offer you unique solution for In-depth knowledge of supply chain and Knowledge of electronic components.

With partner's Support, we do as follows:





Altera (NASDAQ: ALTR) adhere to the tradition of innovation which is a worldwide Solution advocate of SOPC. Altera Combined with programmable logic techniques with software tools, IP and technical service.



ADI regard innovation, performance and excellence as corporate culture. ADI is recognized as global leading provider of data conversion and signal processing technology which has more than 60 thousands customers all over the world. ADI Covers all types of electronic equipment manufacturers as a A high-performance analog integrated circuit (IC) manufacturer that leads the industry for more than 40 years.



Rockchip focus on mobile internet, Digital multimedia chip design which is a professional PC mobile information terminal SOC solution provider. Rockchip has a number of relatively complete intellectual property rights groups of independent innovation. Rockchip also made a big contribution to the development of China's electronics industry.



SK is one of the the world's top semiconductor supplier and provide DRAM, NAND and CIS to many famous customers around the world.



UTC founded in 1990, focus on research, design, packaging, test and sales of simulate IC and discrete component. For better service, we provide complete solution and competitive price. Our business strategy means to offer best choice and benefits to customers.



Xilinx is the world's leading supplier of programmable and logical total solutions. Xilinx do research, produce and sell a wide range of advanced integrated circuits, Software design tools and predefined system-level functional IP (Intellectual Property) core.



Micron is one of the biggest semiconductor storage and imaging products manufacturer around the world mainly including DRAM, NAND flash memory, NOR flash memory, SSD and CMOS image sensor. Head office (Micron Technology, Inc.) is at Boise, the capital of the northwestern state of Idaho



Walsin / Kamaya is one of the top five manufacturers of MLCC around the world. Walsin / Kamaya's One-stop business model including multilayer ceramic chip capacitor/array, Chip resistor array and internet, RF component, Disc capacitor, varistor and chip fuse.



Holy Stone International is a Taiwan MLCC manufacturer. Its components are used in automotive, power, lighting and LED drives, safety and other products. Holy Stone has various certifications including ISO 9001, ISO 1004 and AEC Q200 that confirms the company's strong focus on quality.



Harvatek Corporation is a manufacturer of semiconductor chip and various LED which includes visible light, infrared ray, ejector, phototransistor, photodiode and interrupter. Harvatek's components are widely used in domestic appliance, Game accessories, Optical touch screen, mobile devices, wearable devices and security product.

美林美深是全球知名品牌授权分销商

Merrillchip is a worldwide authorized distributor of well-known brands

提供超过3500个电子产品品牌

Offers more than 3500 brands of electronic products



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www.merrillchip.com
www.merrillchip.1688.com
www.merrillchip.en.alibaba.com

Why choose MERRILLCHIP?



Stability



Market resource



Systems and equipment



Sourcing service



Quality and operation



Supply Chain Service

Merrillchip is more than an Electronic Components Distributor which has a flexible business form, global business network and huge customer resources. We can be your trustable strategic partner.

Background of chip production background:

We cur is mass produced flow piece in Korea east high technology.

(Merrillchip also has a cooperation with Silterra)

Cooperated sealing Company: JCET、Jiangxin Electronics、SMIC、NEC

Contact Us



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