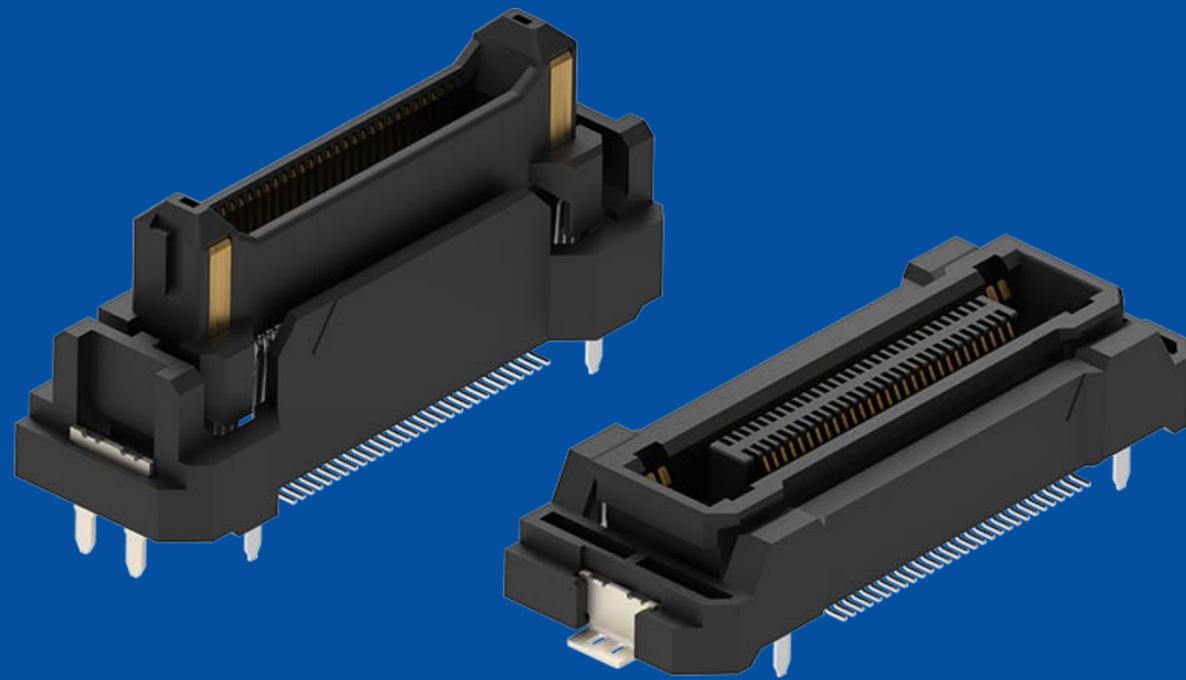


WCON®

Connector & Cable Assembly

Stock Code 301328

WCON Electronics



High end precision connectors and customer solution Service Provider

WWW.WCON.COM





CONTENTS

■ **01** About WCON

■ **04** Quality Assurance & Social Responsibility

■ **02** Design Innovation

■ **05** Business Capability

■ **03** Intelligent Processing

■ **06** After-sales Service



2026

PART ONE

About WCON

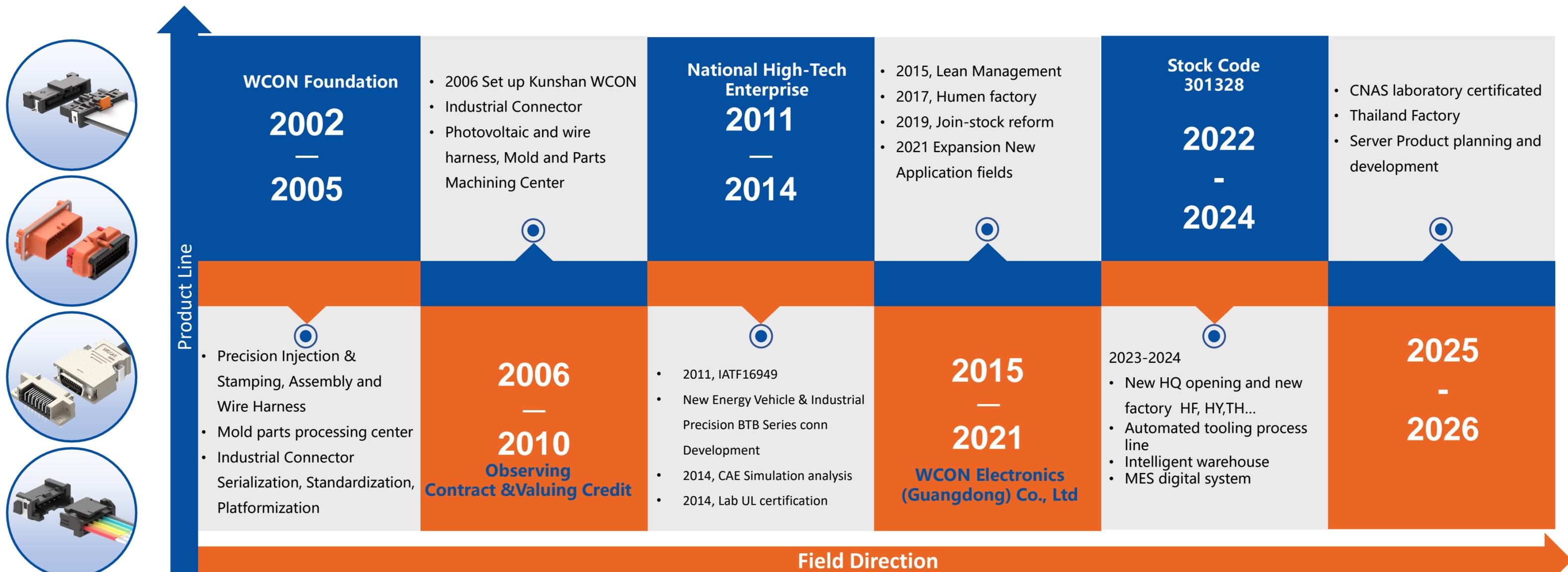


WCON ELECTRONICS.CO.,LTD(founded in Nov.2002), is a public listed company specializing in high-end precision Board to Board and Wire to Board connectors, cable assembly. Main focusing on providing the R&D, Production and Sales of connectors and cables for industrial control, Automotive electronics, New Energy Photovoltaic and Energy Storage, Data center, Consumer Electronics etc.

At present, the company has 20+ product families with more than 50,000+ active part numbers, more than 100,000+ series of products reserve number, which are widely used in industrial automation control, robot, rail transit, low-altitude flight, power system, medical Equipment, “three Electric” Systems of New Energy Vehicles, ADAS, intelligent cockpit, photovoltaic and energy Storage Inverter System, Data center and Server etc.

- ✓ IATF16949
 - ✓ ISO9001
 - ✓ ISO14001
 - ✓ ISO45001
 - ✓ ISO50001
 - ✓ D-U-N-S^R
 - ✓ UL/CUL/TÜV/CE
 - ✓ ROHS/REACH
- National High-Tech Enterprise
 - China Well-known Trademark Enterprise
 - AAA level Enterprise of Observing Contract and Valuing Credit
 - Professional, Proficient, Special, New Enterprise
 - Guangdong Innovative Enterprise





- ◆ Industrial Automation and Control Signal connectors and wire harness
- ◆ Product series: 2.54mm、2.0mm、1.27mm pitch BTB ,WTB connectors

- ◆ EV battery, motor and electric control system application, PV inverter /Signal connectors and wire harnesses
- ◆ Product Series: 0.8mm, 0.5mm, 0.4mm precision, floating board-to-board, 4.0mm, 3.0mm, 2.0mm waterproof wire-to-board, wire-to-wire and more

- ◆ New Fields : Artificial intelligence, AI server, Robotics
- ◆ Server applications: MEZZ, MCIO, PCIe, SOCAMM2, GPU/CPU SOCKET connectors, QSFP & MCIO high-speed cables;
- ◆ High-end industrial applications: 0.40, 0.50, 0.635, 0.80mm small pitch & floating high-speed board-to-board connectors



◆ **WCON ELECTRONICS HQ**

- Wcon Kunshan
- Wcon Thailand (**Under construction**)
- Wcon Hengyang
- Wcon Hongkong
- Wcon Singapore

- Wcon Hefei
- Wcon Automotive
- Wcon Europe (Italy)
- Wcon Interconnection Technology



Wcon Electronics HQ
Building area: 89,398 m²



Kunshan (2006)
Building area: 45,600 m²



Hengyang (2022)
Building area: 4,500 m²



Hefei (2022)
Building area: 1,950 m²



Thailand (Under construction...)
Building area: 37,732 m²



2026

PART TWO

Design Innovation



◆ Professional R&D Team : 100+

- HQ 56
 - Research Institute : 5
 - Product Design : 35
 - Product Engineer: 16
- Wcon KS_12, Wcon Auto 15, HF 3, WCONT 15

◆ Rigorous design procedures, Scientific simulation analysis

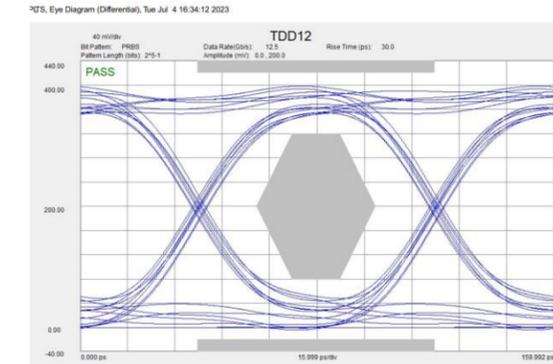
- APQP process control
- Current-carrying temperature rise simulation
- High-speed high-frequency simulation
- mechanical stress strain

◆ Simulation (CAE)

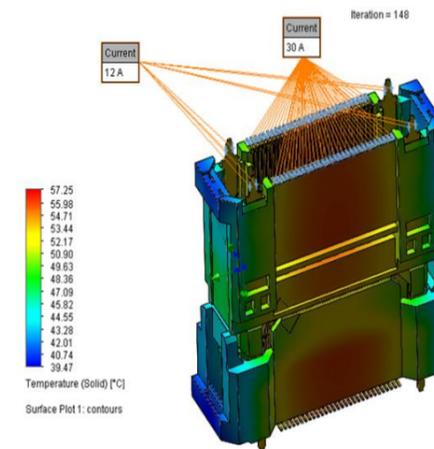
CAE is a sharp tool for product design, product improvement, and product optimization; it provides comprehensive analysis and performance level information, shorten the development cycle and reduce the overall cost of the product.



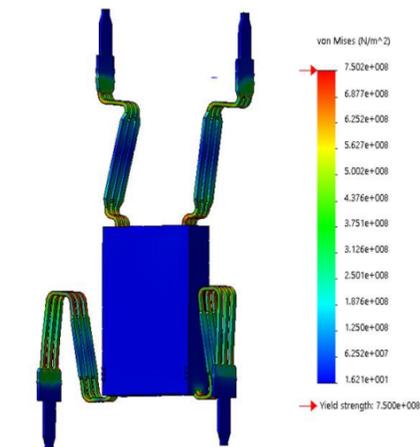
Structure, assembly, tolerance analysis



Rigorous Structure Analysis



Professional Simulation analysis of Mechanical stress and Temp rise



Product Mutual Matching simulation Analysis

Strengthen the R&D technology, scene application, and continuously maintain technological advancement, innovation, and practicality.

By the end of 2025, total 313 Std & Patent: 2 National Standard, 31 Invention patents, 268 Utility Model, 11 appearance Patents and 14 Industry Association Standard.

2
National
Standard

31
Invention
Patents

14
Association
Standard

2
Software
Copyright

269
Utility
Model

11
Design
Patent

30+
Approving
In process



Tooling Design and Fabrication Team : 32

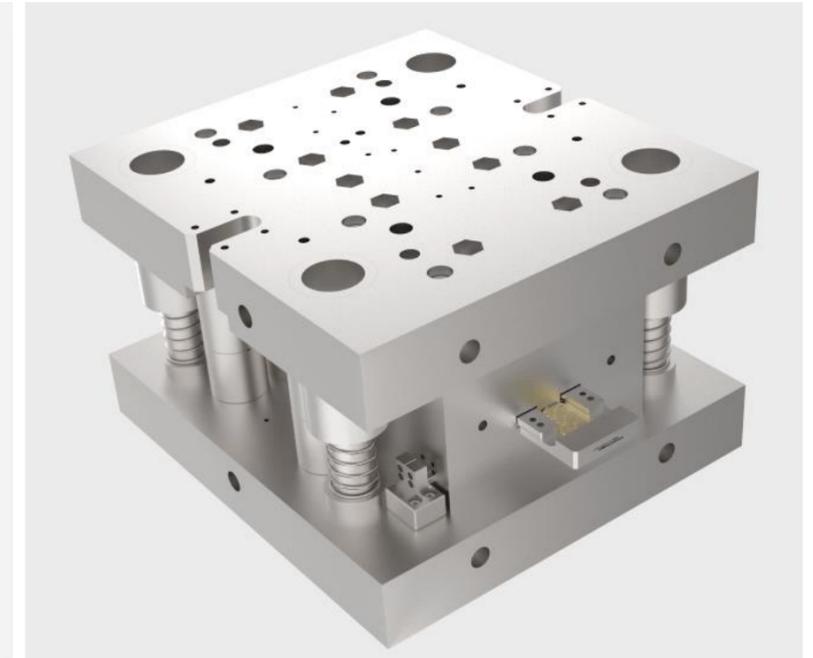
- Hardware Mold design: 9
- Injection Mold design : 8
- Auto assemble: 15

Using CAD, UGNX (3D), MOLDEX3D, VISI 3D and other software, from the scheme → design → processing and manufacturing of the whole process, to provide professional design guidance, precision machining process, the manufacture of hardware stamping molds, precision plastic molding molds, excellence, to provide customers with high-quality products and services.

Practicing professional design and scientific management.



Plastic Mold



Stamping Die



Auto Assembly



Mold Processing



2026

PART THREE

Intelligent Processing



✓ Mold processing equipment 268 sets and Technician 200+

- Wire Cutting Machine: Seibu, Agie Charmilles +/-0.002mm; Ra 0.15
- EDM: Mitsubishi, MAKINO
- CNC : MAKINO, MIKRON, YASHIDA
- Grinding : Mitsui, Okamoto, Yuqin, PG Optical Grinder & JG Co-ordinate Grinder: WAIDA +/-0.001mm; Ra0.10, 0.15m*5.0mm
- CNC+EDM Robotics Automated Processing: Mitsubishi, MAKINO
- Mold material: CD650, ASP23, SKH-9, Viking SKD61
- Mold blanks: Futaba, SLD ultra-low temp. treatment die

✓ Dongguan

Equipment 139 sets and Technician 121
Monthly Capacity: Plastic Mold 30+, Stamping Die 10+

✓ Kunshan

Equipment: 30+ and Technician 36+
Monthly Capacity: Plastic Mold 5+

✓ Hengyang

Equipment: 100+ and Technician 44+
Monthly Capacity: Tooling Parts 6000+, Plastic Mold 8~10sets
WCON Precision Mold Processing Talent Training Base



7台CNC+18台EDM, 2条自动化线



PG光学磨床



JG坐标磨床



自动化三坐标测量仪

Injection Machine

High end precision connectors and customer solution Service Provider

WCON[®]
Connector & Cable Assembly

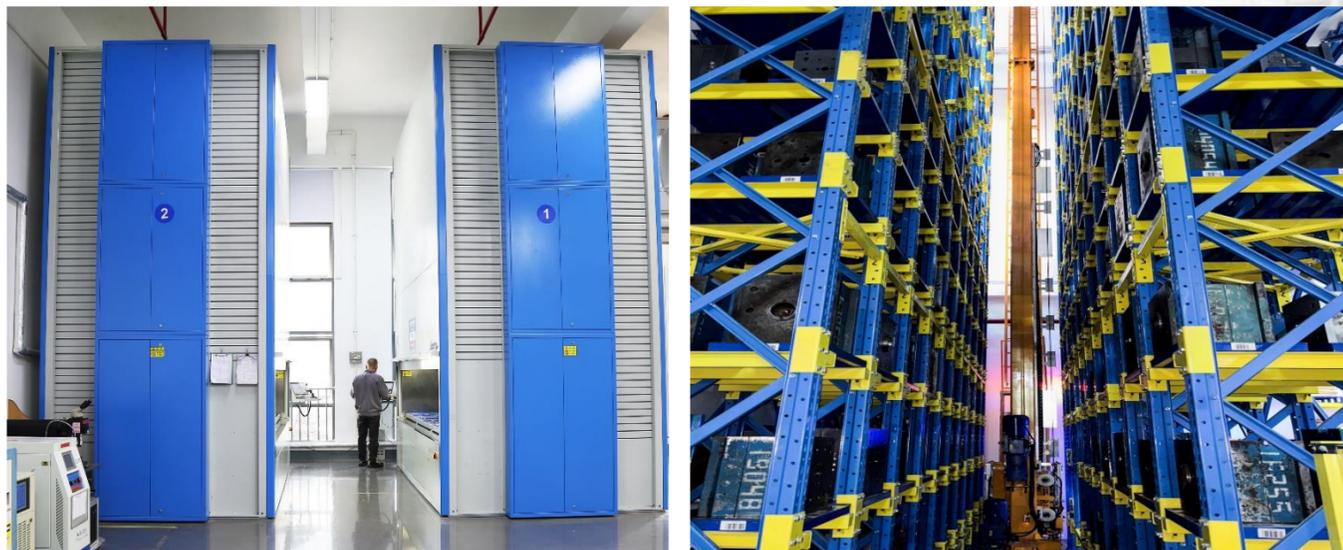
Dongguan : 59 Injection Machines

- Horizontal: 7, 15, 30, 50, 80, 100, 110, 180 tons
- Vertical: 35, 40, 55, 75, 100 tons
- Brands: FANUC, NISSEI, ENGEL
- Mold: 1500+ sets
- Mold Frame: 100*100 ~ 500*600
- Cavity: 2~64 cavities; precision: +/-0.01mm
- Feedstock: centralized feeding, automatic baking and feeding

Kunshan : 26 Injection Machines

- FANUC, NISSEI ; 15, 50, 80, 110 tons and mold 300+sets

Total Plastic Molds : 1800+ sets



◆ Stamping equipment 43 sets

- Micro-Stamping: 3, 5 tons
- High-speed Stamping: 20, 30, 35, 40, 45, 60, 80 tons
- Brand: BRUDERER, KYORI/NIDEC-SHIMPO, Yamada
- Accuracy: 1um
- Speed SPM: Micro punch 500 Max, Gantry punch 1500 Max
- Belt: 1/1, 1/2, 2/4, internal riveting, bi-directional feeding
- Production capacity: 40,000KPCS/month
- Automation: 100% CCD online inspection, automatic packaging

• Total Stamping Die: 800+ sets



Assembly Machines: 700+ sets and Technician 200+

- Fully & semi-automatic assembly machine
- Quality: Professional CCD size and electrical performance detection, automatic classification
- Pass rate: 99.5%
- Flexibilization: more than 30 manual assembly lines
- Capacity: 40-45M conn./month; Wiring harness 0.5M/month
- Features: Variegation, Small batch, High quality, Consistency, Stability
- Professional management: Separate production areas and specialized process management in accordance with product range and characteristic requirements

WCON Kunshan : 200+ sets

WCON Hefei : 60+ sets

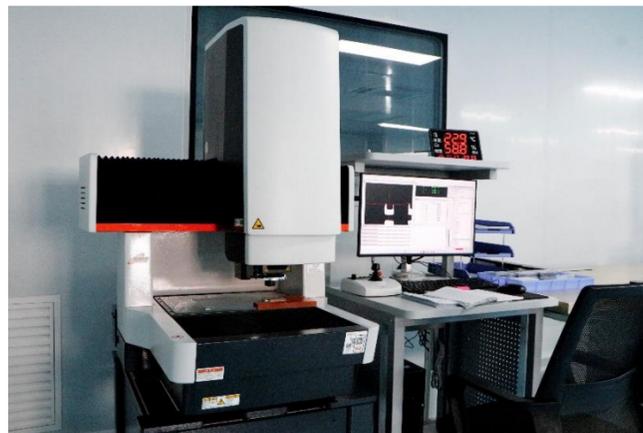
WCONT Tech :



Equipment Capacity

1. Fully Automatic Insertion Machine
2. Online monitoring of dimensions before AOI ball placement measurement
3. First Pass Yield 96%+
4. Fully automatic ball placement, reflow soldering, AOI + packaging
5. Production management in a Class 100,000 dust-free workshop
6. Features: Flexible switching between multiple varieties and different heights during assembly
7. High-quality, consistency, and stability assurance

On-site inspection



Cores 4D Dynamic
Warping Scan

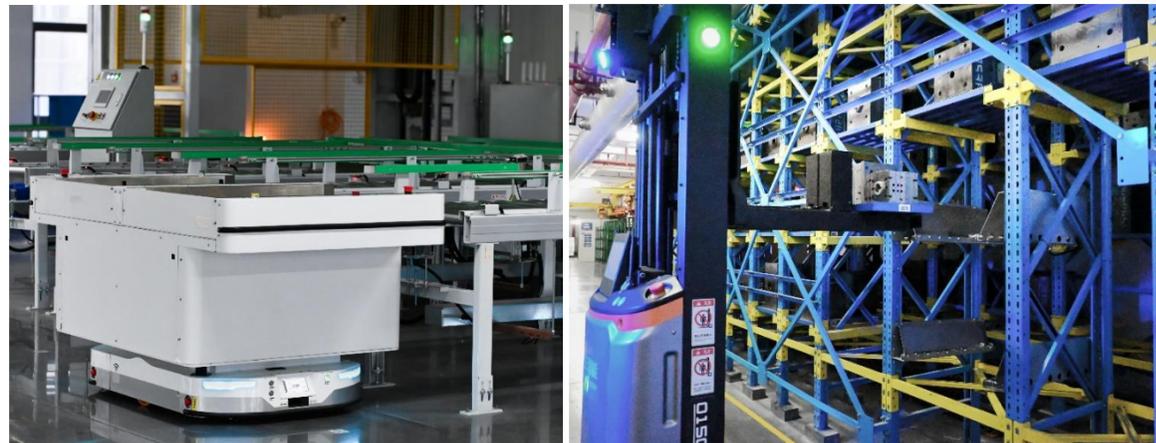


- Robots and intelligent systems, SAP, MES systems work together, intelligent picking, optimize storage space, improve picking accuracy, reduce manpower dependence
- Intelligent management of efficient, precise, FIFO and traceability systems
- Warehouse to workshop automatic logistics conveyor system



△ Digital display system

▽ AGV Handling robot





2026

PART FOUR

Quality Assurance & Social Responsibility



<p style="writing-mode: vertical-rl; transform: rotate(180deg);">System Certification</p>	<p>IATF16949:2016</p>	<p>ISO9001:2015</p>	<p>ISO14001:2015</p>	<p>QC080000:2017</p>	<p>Dun & Bradstreet Certified</p>	<p>ISO45001</p>	<p>ISO50001</p>			
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Laboratory Accreditation</p>	<p>CNAS L24915 ISO/IEC 17025: 2017</p>	<p>UL Witness Test Data Program</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Product Certification</p>	<p>UL Certified</p>	<p>CUL Certified</p>	<p>TÜV Certified</p>	<p>CE Certified</p>	<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Regulatory Certification</p>	<p>REACH 241 Substances</p>	<p>RoHS 2.0 (RoHS10 Substances)</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Social Responsibility</p>	<p>零碳工厂 CECA 中国节能协会</p>	<p>WORKPLACE CONDITIONS ASSESSMENT intertek</p>	<p>COMMITTED ecovadis Sustainability Rating DEC 2025</p>	<p>Wind ESG 维峰电子 2025评级</p>	<p>华证ESG 维峰电子 更新日期: 2025/08/28</p>	<p>易董ESG+8评级 维峰电子 (301328) 2025年评级 A</p>	<p>商道融绿 ESG评级 2025 Q4</p>			



China National Accreditation Service for Conformity Assessment
LABORATORY ACCREDITATION CERTIFICATE
(Registration No. CNAS L24915)

Laboratory of WCON Electronics (Guangdong) Co., Ltd.

(Legal Entity: WCON Electronics (Guangdong) Co., Ltd.)

No.15, Wenming Road, Daning District, Humen, Dongguan, Guangdong,
China

is accredited in accordance with ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence to undertake the service described in the schedule attached to this certificate.

The scope of accreditation is detailed in the attached schedule bearing the same registration number as above. The schedule forms an integral part of this certificate.

Effective Date: 2025-12-29

Expiry Date: 2031-12-28

Signed on behalf of China National Accreditation Service for Conformity Assessment

徐朝华

China National Accreditation Service for Conformity Assessment (CNAS) is authorized by Certification and Accreditation Administration of the People's Republic of China (CNCA) to operate the national accreditation schemes for conformity assessment. CNAS is a signatory of the International Laboratory Accreditation Cooperation Mutual Recognition Arrangement (ILAC MRA) and the Asia Pacific Accreditation Cooperation Mutual Recognition Arrangement (APAC MRA).
The validity of the certificate can be checked on CNAS website at <http://www.cnas.org.cn/english/findanaccreditedbody/index.shtml>.

CNAS Lab Accreditation Certificate UL Witnessed Test Data Program



I. Materials



01 Materials Analysis Laboratory

- 数码高清显微镜
- 维氏硬度测试仪
- 便携式表面粗糙度测量机

02 Plastic Application Laboratory

- 灼热丝测试仪
- 垂直水平燃烧试验机
- 针焰试验机

03 CT Room

- 膜厚测试仪
- 能量色散型 X 荧光光谱仪

SIX DIMENSIONS ANALYSE

Twelve Laboratories & Over 70+ types of tests

UL witness Laboratory

CNAS Laboratory

III. Electrical



05 Electrical Function Laboratory

- 多路温度仪
- 绝缘耐压测试仪
- 接触压降测试仪
- 示波器
- 可编程直流电源供应器
- 微电阻测试仪
- 动态电阻测试仪
- 直流电源供应器
- 四线电阻检测仪
- 雷击浪涌发生器

II. Dimension



04 Ultra-precision Measuring Room

- 二次元影像测量仪
- 桥式三坐标测量机
- 通用型复合式影像测量仪

IV. Mechanical



06 Mechanics Laboratory

- 旋转拉力测试仪
- 自动插拔力测试机
- 自动扭力测试仪
- 微机控制电子万能试验机

V. Environment



07 Environmental Reliability Laboratory

- 恒温恒湿试验机
- 冷热冲击试验机
- 温度变化（湿热）试验箱

09 Salt Spray Laboratory

- 盐雾腐蚀试验箱

08 Vibration Laboratory

- 电磁式振动台
- 三综合试验机
- 机械冲击测试仪
- 瞬间断线检测仪
- 单臂跌落测试仪

10 Aging Laboratory

- 高温试验箱
- 蒸汽老化测试仪
- 线材弯折试验机

11 Cleanliness Laboratory

- 清洁度测试仪

VI. Network Analyse



12 High Frequency & High Speed Analysis Laboratory

- 矢量网络分析仪



Environmental protection : low carbon first, technology-driven

- **Clean Energy Substitution**
Rooftop photovoltaic system: annual power generation of 860,000 kWh, carbon emission reduction of 857 ton, 10% of clean energy.
- **Energy efficient system**
Water storage cooling central air-conditioning: 40% energy saving by shaving peaks and filling in valleys, cost saving of 2.8 million RMB/Y.
- **Efficient Utilization of Resources**
Oil cooler + water-cooled circulation system linkage, water reuse rate of 90%, to achieve 'zero waste heat emissions'

Digital management: whole chain synergy, empowered operation

- **Resource Integration Hub (SAP-ERP)**
Integration of procurement, production and inventory data, costing efficiency increased by 60%.
- **Intelligent manufacturing core (MES)**
Real-time monitoring of production dynamics, abnormality response speed shortened to 10 minutes, yield rate 99.5%+.
- **Warehouse Intelligence (WMS)**
AGV linkage intelligent warehouse, material picking and matching efficiency increased by 70%, inventory turnover rate optimization 35%.

ESG system: Responsibility empowerment, long-term development

- **Environmental Management normalization**
Annual carbon reduction targets are detailed to departments, and carbon footprint tracking covers the whole process.
- **Normalization of social responsibility**
Improve employee rights mechanism in all aspects, and actively fulfil corporate citizenship responsibilities.
- **Transparent Corporate Governance**
Strictly implement the information disclosure system, equally protect the rights and interests of all shareholders





2026

PART FIVE

Business Capability



Industrial control and automation

- PLC, IPC
- Industrial Intelligent Devices



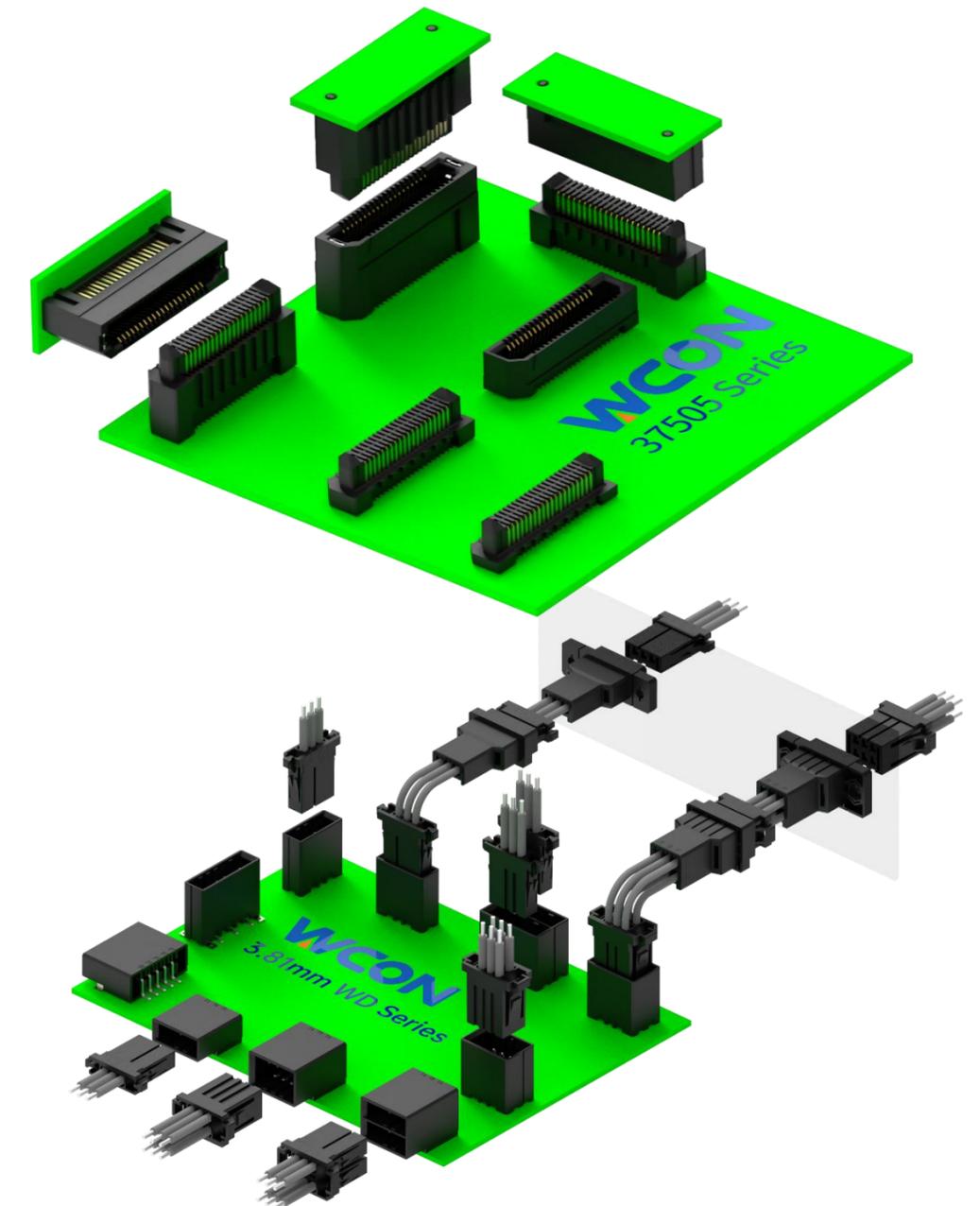
Industrial Robotics

- Industrial robot arms
- Motion Control Box



Smart City

- Intelligent Buildings and Elevators
- Commercial Servers



CONNECTORS FOR SIGNAL & COMMUNICATION


Type-C


DFCN


SIC


DIN 41612


D_SUB

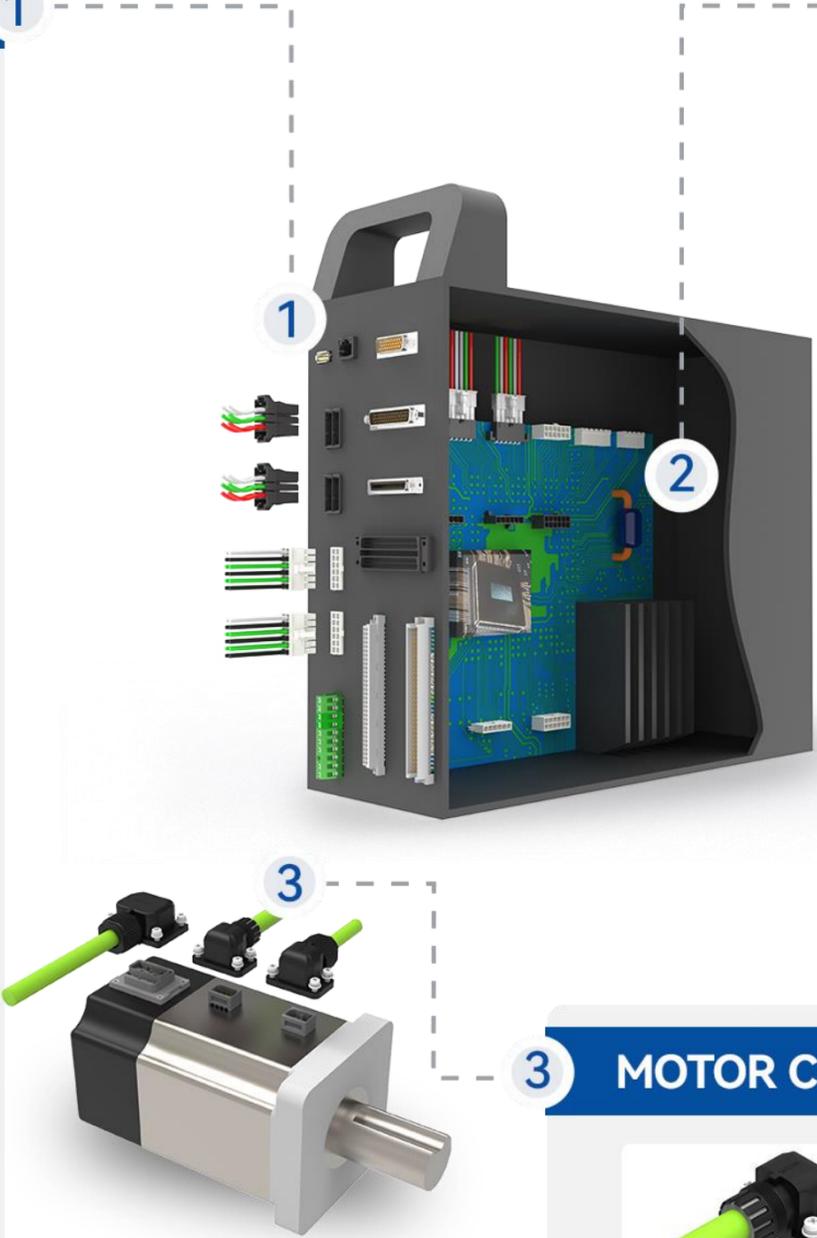

Wafer


SCSI

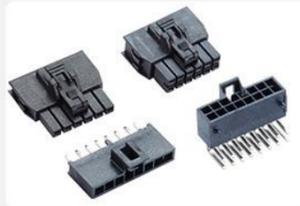

WD


Terminal Block


M8/M12



CONNECTORS FOR CIRCUIT BOARD

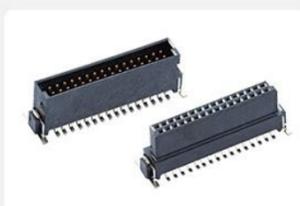

Wafer


BTB


Pin Header &
Female Header


MRC


Machined Pin &
Female Header


SDC

MOTOR CONNECTORS


Motor


Motor


Motor





SENSOR APPLICATIONS



GYROSCOPE



TOUCH SENSOR



TEMPERATURE SENSOR



SOUND SENSOR



HUMIDITY SENSOR



WATER SENSOR



GAS SENSOR



HEARTBEAT SENSOR



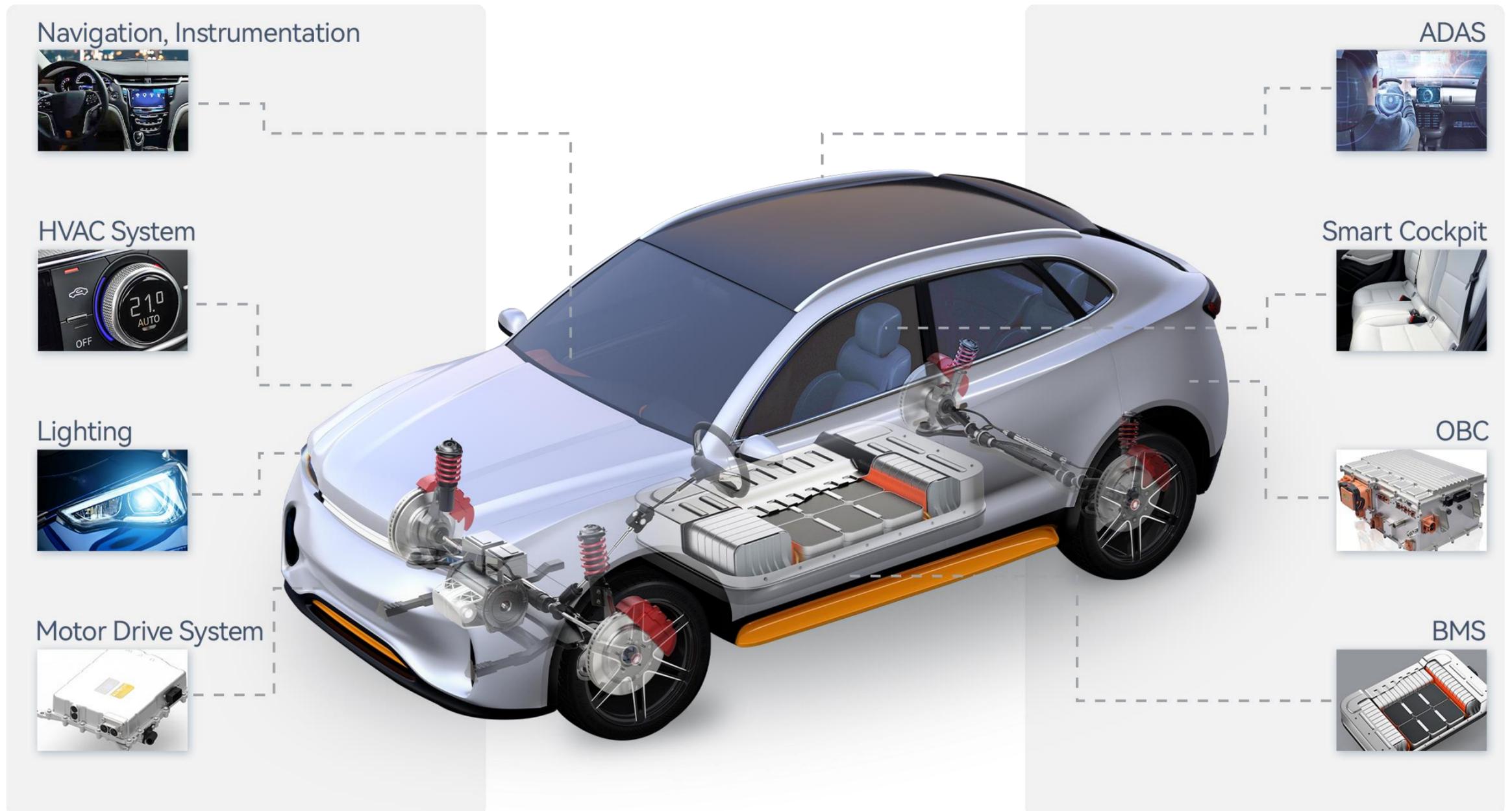
LIGHT SENSOR



RAIN SENSOR

Automotive Electronics :

- Green Energy Vehicle
- Passenger Vehicle
- Engineering Vehicles
- Construction Machine





Motor Drive System



On-Board Charger



74040



73742



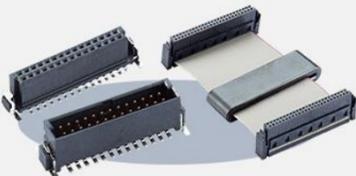
73040



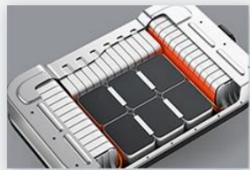
73036



K550



3910, 3911, F3911



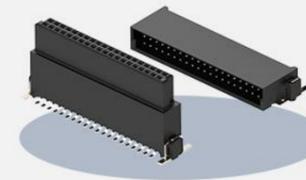
Battery Management System



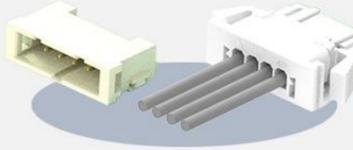
72230, 72230A



72025, 72025A



3910



3918



3915



ADAS



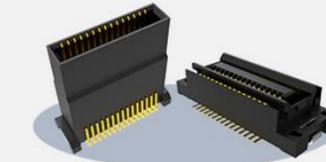
Millimeter-Wave Radar



Laser Radar



Integrated Control Cabinet for Traveling & Parking



3618(Floating)



36F23(Floating)



Mini Fakra



TYPE-C



Radar Shell



Smart Cockpit



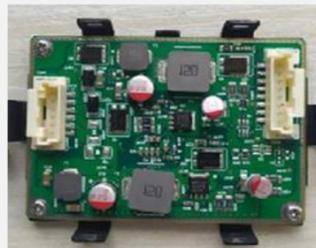
Lighting



Navigation
Instrumentation



HAVA system



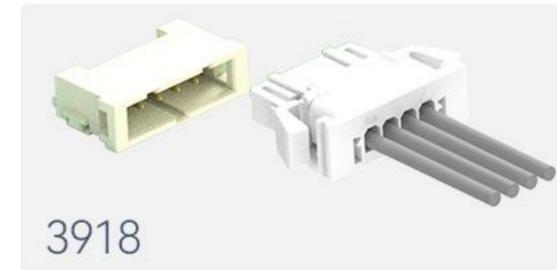
Lighting Modules



Door & Window
Control Modules



3915



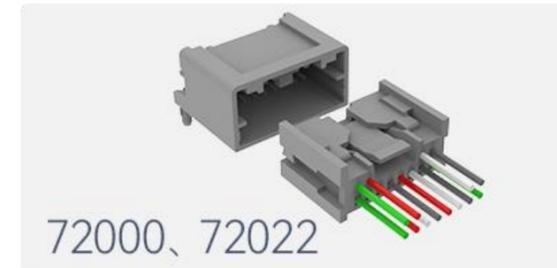
3918



720001



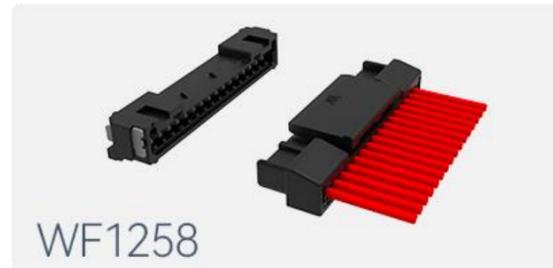
72230, 72230A



72000, 72022



75250, 75263



WF1258



WF1504



WF2010



WF2012



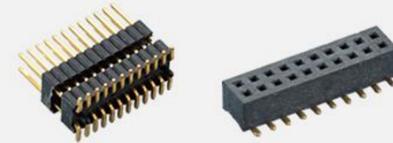
WF2508



WF2509



PHOTOVOLTAIC & ENERGY STORAGE APPLICATION



Pin Header & Female Header



Machined Pin & Female Header



Box Header, Ejector Header, IDC



PSP



WD



Photovoltaic



M8



M12



Energy Storage



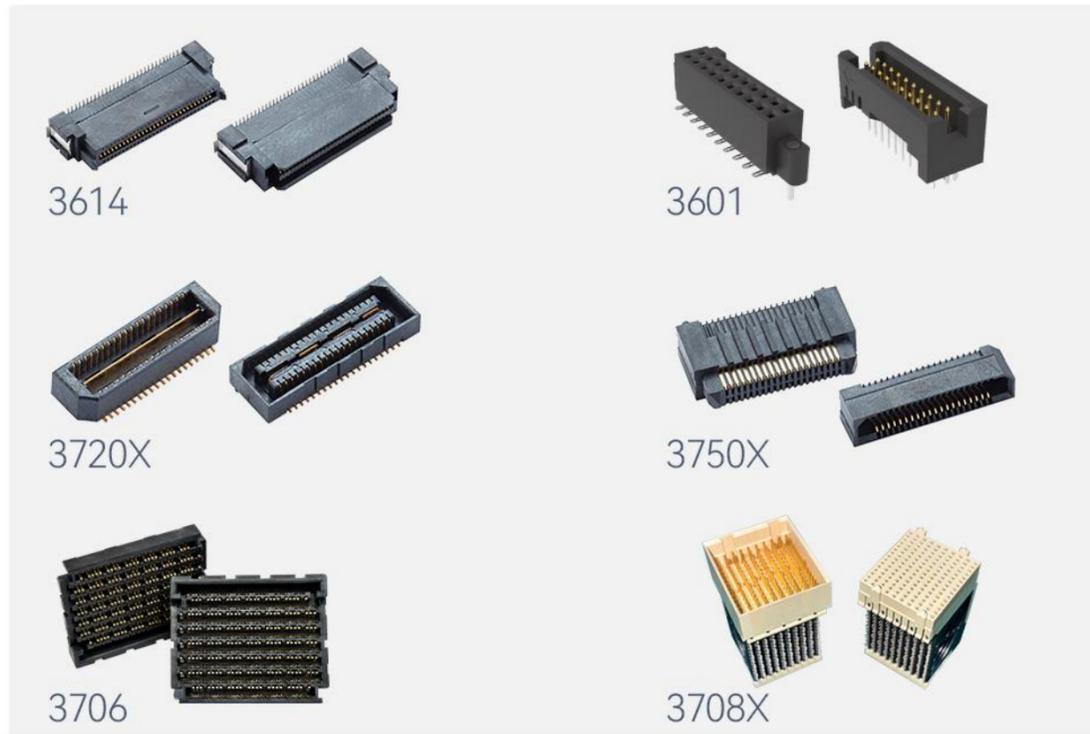
Harness



- AI Server
- Storage Device



INTERNAL INTERCONNECTION



I/O



POWER SUPPLY





MEDICAL APPLICATIONS & DEVICES



Non-magnetic Pin & Female Header



Machined Pin & Female Header



Wafer



High-speed Board-to-Board



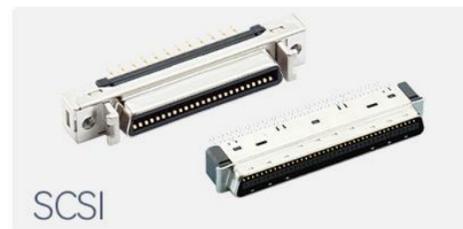
SIC



M8/M12



RAIL TRANSIT APPLICATIONS: COMMUNICATIONS & SIGNALS



SCSI



D_SUB



Din 41612



Terminal Block



Wafer



WD



2026

PART SIX

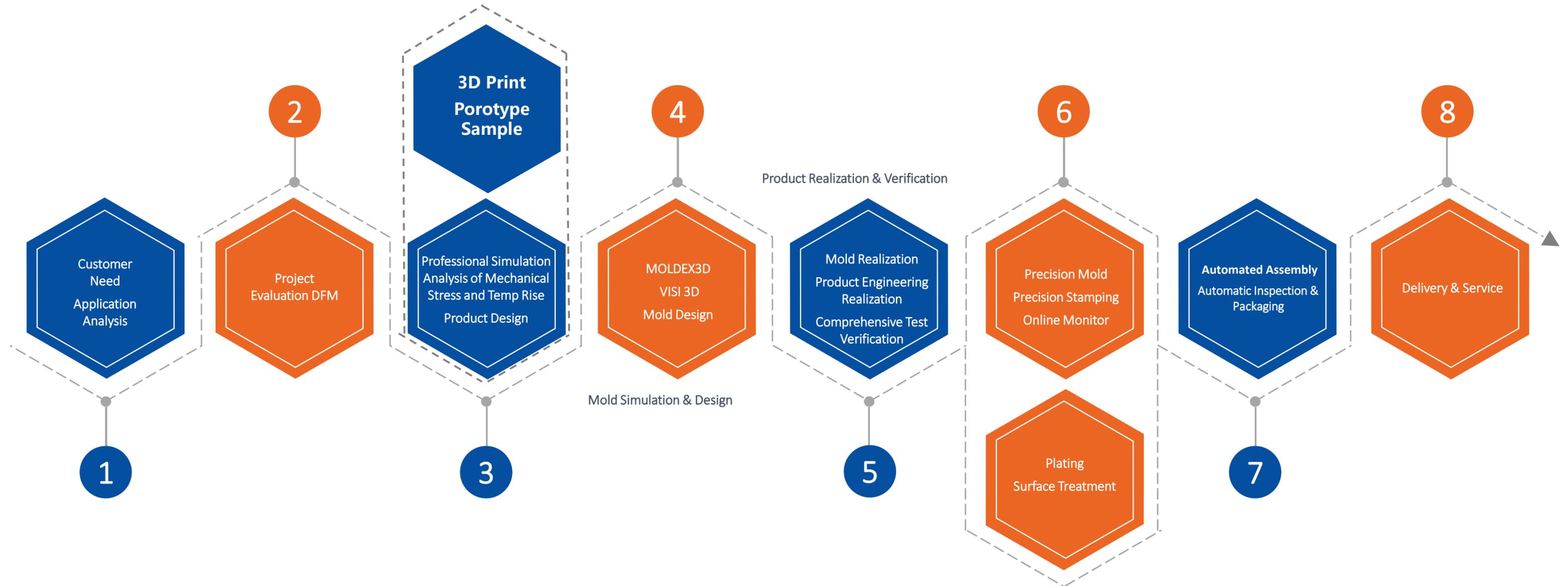
After-sales Service





Rigorous Delivery Procedure

High end precision connectors and customer solution Service Provider



WCON ELECTRONICS CO.,LTD

Add :No.15,Wenming Road, Daning Community, Humen Town, Dongguan,
Guangdong.523930, China

KUNSHAN WCON ELECTRONICIS CO.,LTD

Add : No.169, Middle Wenpu Road, Qiandeng Town, Kunshan, Jiangsu, China

WCON ELECTRONICS (Thailand) CO.,LTD

Add: 334 Moo 12, Hua Wawa Subdistrict, Sri Maha Pho District, Prachinburi
Province,25140,Thailand

Sales Contacts

Int'l Sales Dept.:
salesdg01@wcon.com

Key Account Sales:
salesdg28@wcon.com
salesks@wcon.com

Local Sales :
salesdg10@wcon.com
salesks01@wcon.com

Online Sales:
salesdg26@wcon.com



Website



E-Catalog



Official Video



TikTok

THANKS

