



广东玖木通 通讯科技有限公司

GUANG DONG JIUMUTONG INDUSTRY CO., LTD



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公司介绍/About us

- ◆公司简介/ Company profile
- ◆发展历程/ Development History
- ◆企业荣誉/ Achievement of Honor
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广东玖木通通讯科技有限公司

Guangdong Jimu Tong communication Technology Co., LTD

玖木通成立于2006年, 民营股份制企业。位于广东省东莞市桥头镇, 交通便利, 环境优雅。我们有18年以上的生产经验, 我们是一家专业开发, 设计, 制造和销售电线电缆, 线缆组件的制造商。JMTO was established in 2006, which is a joint-stock private enterprise. Located in Qiaotou Town, Dongguan City, Guangdong Province, with convenient transportation and elegant environment. With 18 years above of manufacturing experience, and we are a manufacturer specializing in the development, design, manufacture and sale of data cables and connectors.

注册资金: 二千万元人民币

Registered Capital: RMB 20 million



广东玖木通通讯科技有限公司

Guangdong Jimu Tong communication Technology Co., LTD

公司拥有实力强健的研发团队，致力于手机周边，电脑周边产品研发，制造和加工。

产品主要有：电线电缆，线缆组件，手机连接适配器，电脑拓展坞，产品广泛应用于3C(计算机.通讯.消费电子)以及汽车、医疗、网络通信服务器等领域。

Our company has a strong R&D team, committed to mobile phone peripherals and computer peripherals product development, manufacturing and processing. Main products are: wire and cable, cable components, mobile phone connection adapter, computer docking, products are widely used in 3C(computer.

Communications, consumer electronics) and automotive, medical, Network communication servers and other fields.





广东玖木通通讯科技有限公司

Guangdong Jimu Tong communication Technology Co., LTD

目前设立两个生产基地：东莞桥头工厂&贵州赤水工厂（贵州富林电子科技有限公司）

At present, we have set up two production bases:

Dongguan Qiaotou factory & Guizhou Chishui Factory
(Guizhou Fulin Electronic Technology Co., Ltd)

东莞桥头工厂面积/Dongguan Qiaotou Factory Area:
20,000 m²

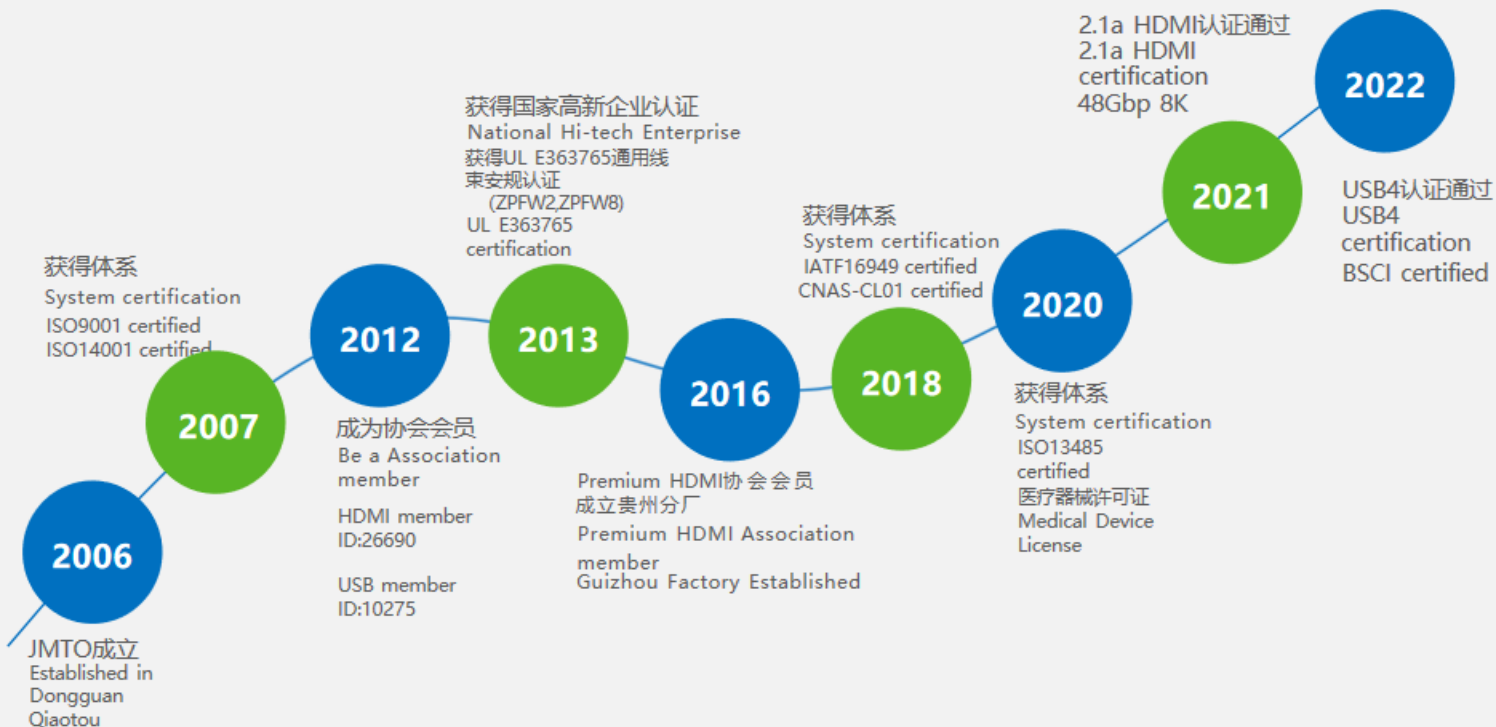
员工人数/Factory Employee:
200人-300人

贵州赤水工厂面积/Guizhou Chishui Factory Area:
60,000 m²

员工人数/Factory Employee:
1000人-1200人



发展历程(Development history)





企业宗旨 Tenet

为客户提供优质，可靠，安心的产品和服务
To provide customers with quality, reliable, reassuring products and services

经营理念 Concept

诚信，敬业服务，家理念
Integrity, dedication, service, home philosophy

核心价值 Value

以客为本，合作共赢，务实创新
customer-oriented, win-win cooperation, pragmatic and innovative

02

PART



产品介绍/Our Products

◆主要经营产品 /Main products



USB C TO C PD Series

USB4.0: Gen3: 40Gbps support 240W/100W 8K 60Hz
Gen2: 20Gbps support 240W/100W 8K 60Hz

USB3.2: Gen2: 20Gbps support 240W/100W 4K 60Hz

USB3.1: Gen2: 10Gbps support 240W/100W
Gen1: 5Gbps support 240W/100W

USB2.0: 480Mbps support 240W/100W

PD with E-marker:

100W: VL152C
Hynetek: 332A
CPS8821C
EJ903C
RT1731
240W: VL153
Hynetek: 332B



Type -B Series

USB3.1 Series
USB3.0 Series
USB2.0 Series



Type -C Series

USB 3.2 type-c
USB3.1 type-c
USB3.0 type-c



Type -C Series Extension cable

VR cable extension
4K@60Hz
20Gbps



Camera data cable,
90Degree USB4 Cable
with Thunderbolt 4 Cable,
40 Gbps 8k@60Hz



Business products



Made for

iPhone | iPad | iPod



MFi Program



Your MFi System Review is complete. Results/feedback is available in the MFi Portal. Click the "Company Info" section in the left menu bar to access this document.

GUZHOI FULIN ELECTRONIC TECHNOLOGY CO.,LTD may now submit new Product Plans through the MFi Portal at any time.

MFi Program



Business products



Braided plastic

USB A TO C 3A/5A/6A
USB C TO C
60W/100W
USB C TO L 27W
USB A TO L 12W



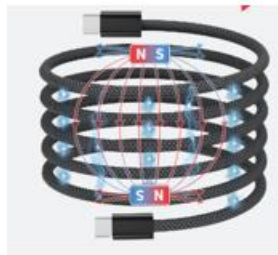
liquid silicone

USB A TO C 3A/5A/6A
USB C TO C
60W/100W
USB C TO L 27W
USB A TO L 12W



Phnom Penh data cable

USB A TO C 3A/5A/6A
USB C TO C
60W/100W
USB C TO L 27W
USB A TO L 12W



Magnetic data cable

USB C TO C
60W/100W
USB C TO L 27W



Hdmi cable/DP cable

HDMI To HDMI (1.4 /2.0/2.1)
DP To HDMI (1.4 /2.0/2.1)
TYPE-C TO HDMI (4K60Hz/8K60Hz)



Network cable

CAT5 Cable
CAT6 Cable
CAT7 Cable
CAT8 Cable



Audio cable

3.5mm to Type C
Type C To 3.5mm
Female



Wire harness

Machine inside(机内线)
Automotive wire harness
(汽车线束)



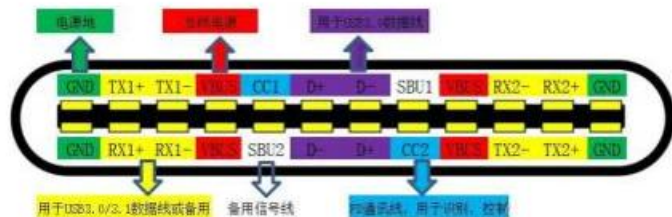
Medical Series

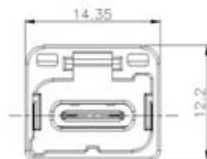
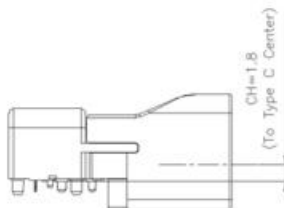
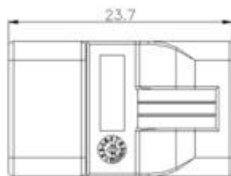


车载USB Type-C符合两种标准:

1. 符合汽车USCAR可靠性连接介面;
2. 符合USB协会介面;

信号传输车载为USB3.1 GEN1, 此部分可扩增为GEN2
以及USB3.2 GEN2 (20G)。

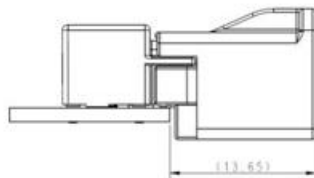




Receptacle



Plug



外形對插採用扣位鎖止機構，確保
連接可靠。

业界常用规格如上图所示，产品外形及中心高可根据市面通用；

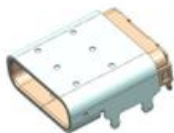
尺寸设计，亦可按客户需求调整



母座



锌合金后壳



USB Type C 母座



前塑胶外壳

Key位_种类	
 A	 B
 C	 D
 Z	

设计不同的防呆键位及颜色双重防呆、避免误插、保护线路
亦可根据需求设计其他key位。



1

高带宽：高带宽传输，如 40Gbps、100Gbps、112Gbps、224Gbps、400Gbps。

High speed transmission: such as 40Gbps、100Gbps、112Gbps、224Gbps、400Gbps。

2

应用场景：人工智能引领下的通信设备连接需求的高速发展，数据中心向更高效、更节能的未来迈进。。

Application: As the high speed development of AI, the high speed transmission is needed.





Oculink PCIe SFF-8611 8i转两个8i
SAS SFF-8643



MINI SAS HD SFF-8088转SAS HD
SFF-8643



Mini SAS线SFF8087转29P 4SAS
8482 SATA 1拖4带大4PIN电源



左弯 SlimSAS 4.0 SFF-8654 4i转SAS
SFF-8087



Mini SAS HD SFF-8643 8i转SFF-
8643 8i 内弯



Mini SAS SFF-8088 HD 26Pin母头
转180度4口SATA



Slimsas SFF8654 4i/8i高速连接线U.2
固态硬盘Nvme协议SSD线



MINI SAS SFF-8087转SAS HD SFF-8088



Mini SAS HD SFF-8644母带挡板转
SFF-8643



MINI SAS SFF-8087转Oculink
SAS SFF-8611 4i



QSFP-4SFP10G-CU1M 兼容 40G
QSFP+ 转 4 x 10G SFP+有源铜芯高
速线缆



SFP-H10GB-CU1M 兼容 10G SFP+ 无
源铜芯高速线缆

03

PART



合作客户/ Our Clients



客户分布 (Customer Distribution)



TOSHIBA

Amphenol



Lexar



oppo

MONSTER

molex

htc



SUNMI



ANKER



UGREEN 绿联

SmallRig



04

PART



公司实力/ Corporate Ability

研发能力
R&D
capability

生产能力
Production
capability

品质能力
Quality
capability



R & D capability(研发学能)

JMTO



●66项专利证书

●58项实用与外观新型专利,
8项发明专利

●高新技术企业

●HDMI, USB, MFI协会会员

●UL 工厂认证



HDMI®



Made for



iPod



iPhone



iPad





R & D capability(研发学能)



2012年加入HDMI会员
(ID:26690)

2016年加入PREMIUM会员

- 1.2012年获得 HDMI 1.4B 30AWG 3.5M 认证
- 2.2016年获得 PREMIUM HDMI 36AWG 2.5M 认证
- 3.2016年获得 HDMI 2.0 36AWG 1.5M 认证
- 4.2016年获得 HDIM 1.4B 28AWG 4.6M 认证
- 5.2021年获得 HDIM 2.1a 28AWG 3.0M 认证



**Universal Serial Bus (USB)
Vendor ID Confirmation**

Vendor ID Number Usage

For systems based on the USB specification to function properly, devices will need to be compliant per the requirements stated in the specification. Receipt of your vendor ID number does not imply compliance of certification in any way.

Device ID numbers will be generated by the individual vendors according to the specification.

Company Name: Dongguan Jiumutong Industry Co., Ltd.

Company Representative: Li FaRong

Representative's Email Address: lfr2096@163.com

Authorized Signature: _____ Date: _____

Please fill in any missing information above and fax this form to us with your signature to confirm your Vendor ID number. Fax # (503) 644-6708.

For USB use only:

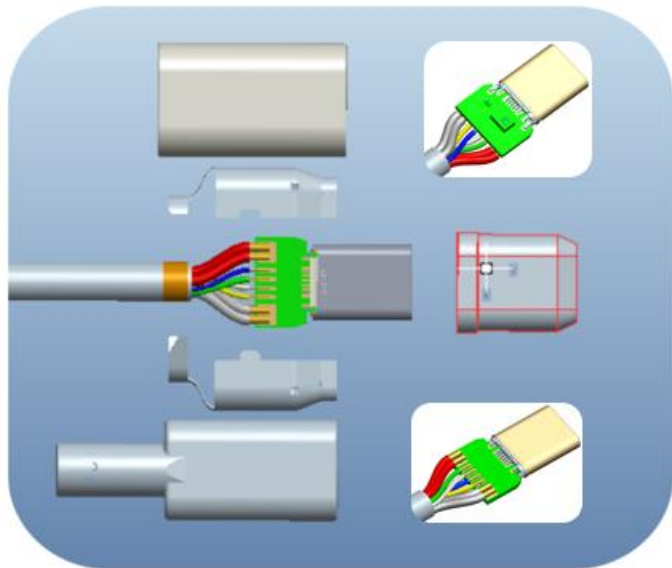
Vendor ID#:	Decimal Format	Hex Format
	10275	2823

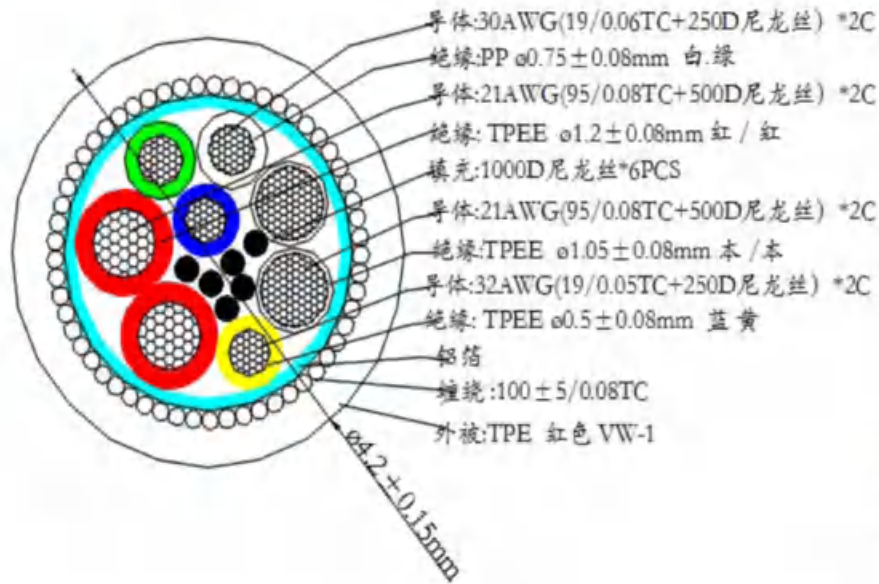
2012 USB MEMBER (ID:10275)

- 1.2014: USB 3.0 AM TO MICRO Certificate
TID:360000329
- 2.2016: USB3.1 GEN 2 C TO C Certificate
TID:5200000132
- 3.2016: USB3.1 GEN 2 TYPE C RECEPTACLE Certificate
TID:5210000157
TID:5210000158
- 4.2017: USB3.1 GEN 2 TYPE C PLUG Certificate
TID:5220000159
- 5.2017: USB3.1 GEN 2 TYPE C RECEPTACLE Certificate
TID:5200000169
- 6.2017: USB3.1 GEN 2 TYPE C PLUG Certificate
TID:5200000166
- 7.2022: USB4 40Gbps C TO C Certificate
TID:6750



C TO C 20V12A (240W) RD设计展示 Design

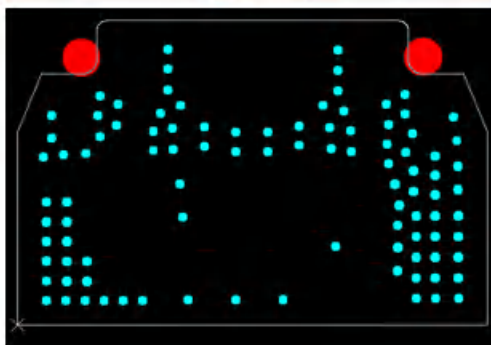
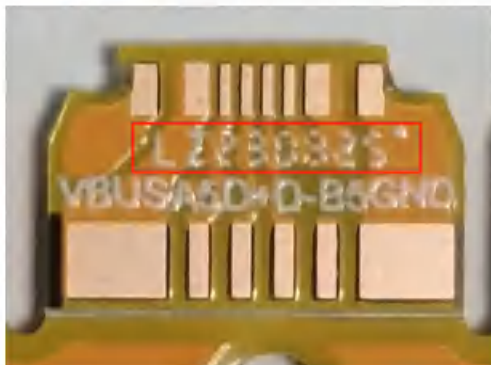




◆导体采用多股细铜加尼龙丝; The conductor adopts multiple strands of fine copper and nylon wire

◆绝缘采用TPEE具有橡胶的弹性和工程塑料的强度,更长的使用寿命; Insulation is TPEE which have the rubber elasticity and the strength of the engineering plastics, longer service life.

◆利用选材与结构来达到高标准摇摆测试(条件: 负重300g, 摇摆 $\pm 90^\circ$, 摇摆速度30~40次/分($\pm 90^\circ$ 为1次), R角度为12.7mm, 摇摆次数>30000次, 平均>40000次; By material selection and structure to achieve high standard shake pendulum test (condition: weight 300 g, bending $+ 90^\circ$, bending speed is 30 ~ 40 times/min ($+ 90^\circ$ for 1 cycle), R Angle is 12.7 mm, bending frequency > 30000 times, over 40000 times on average.



◆设计标准: Design Standards:

1. 四层板, SMD焊盘, 开窗小于铜pad, 用油墨盖住焊盘四周。

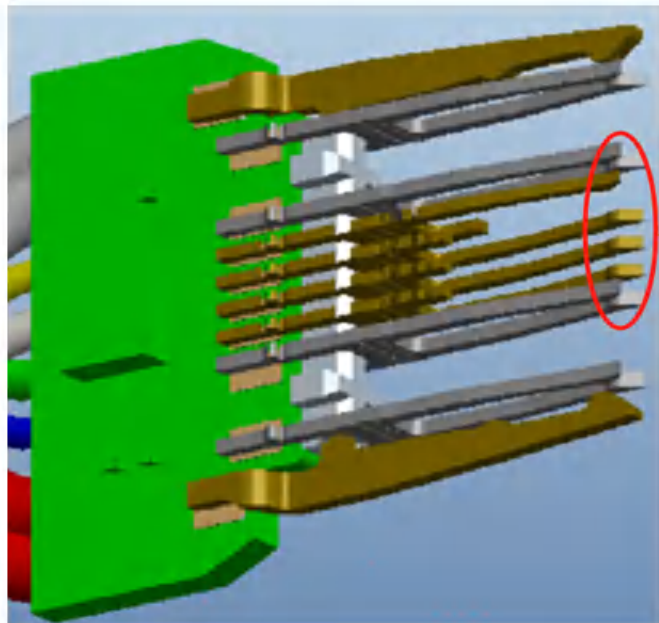
The 4 layer board, SMD pads, window is less than the copper pad, ink cover around the welding plate.

2. 导通孔径200um所有焊盘过双孔, 把上下焊盘连通, 过孔位置要避开, 保证孔边到开窗边缘距离0.15mm以上。

The aperture of via is 200 um, all solder pad through double holes, the upper and lower welding plate connected, to avoid a hole position, guarantee the distance between side of hole edge to open window more than 0.15 mm.

- ## ◆从设计中规避大电流充电拉弧, Pad固持力加强(解决电源线粗, 掉Pad)。

To avoid large current charging arc form design, strong the Pad solid strength (to solve the power cord thick, pad falling off probollem).



端子采用镀双铂+电泳

Terminals are plated with double platinum + electrophoresis

镀双铂优点：耐磨

Advantages of double platinum plating: wear resistance

电泳优点：防腐蚀，防浸液后短路

Electrophoretic advantages: anti-corrosion, anti-short circuit after immersion

大功率带电插拔对端子损耗大故采用镀双铂,为了安全性端子除接触点以外加做电泳防护

Double platinum plating is used for reducing the loss of terminals during high-power plug and unplug , and electrophoretic protection is added beside the contact points of terminals for safety.



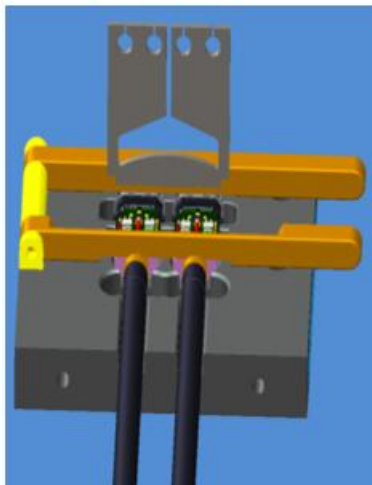
连接器焊板后采用环氧胶固定

The connectors are fixed with epoxy glue after welding

- ◆ 保护焊点腐蚀
- ◆ Protect solder joints from corrosion
- ◆ 增强弯折力
- ◆ Increase bending force
- ◆ 预防环境潮湿渗透，造成漏电
- ◆ Prevent environmental moisture penetration, resulting in leakage

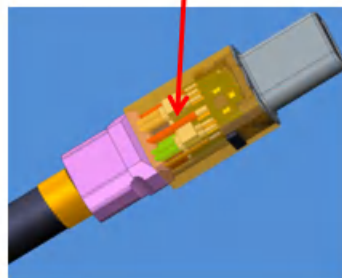
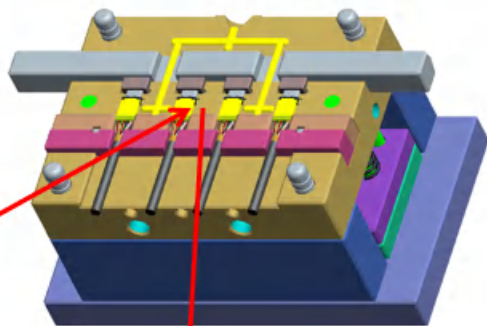


Hot Bar



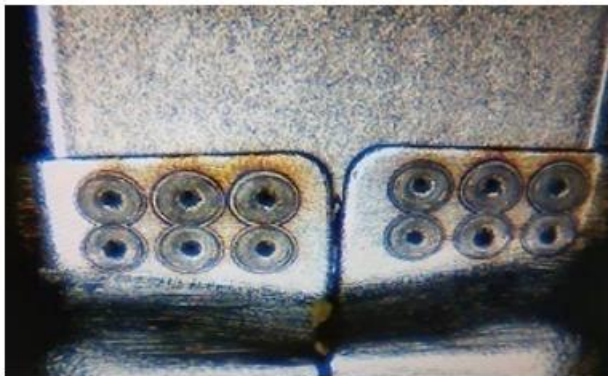
Hot Bar制程稳定,产品一致性高

Hot Bar has stable process to ensure product high consistency.



成型时压力小, 适用PCBA 带元器件产品

The molding pressure is small,
suitable for PCBA with components
products



满足弯拆力测试

Meet the bending test requirement



检查端子高度 Check the pin height

检查EMI弹片 Check the EMI clip



0.27mm(Min)

确保产品的接触性稳定

Ensure the contact stability of the product



适应小量多样订单的流水线工段式自动化组装车间;
Assembly line segment-type automatic assembly workshop for small and diverse orders;



Dongguan Factory
workshop



自动化前处理
Automated preprocessing



自动喷胶
Automatic gluing



自动UV照射
Automatic UV irradiation



Hing Speed workshop



生产能力 (Production capability)



拉头投料，拉尾产品完成，机器代替人全线导入，便于提升效率，品质环保管控。
Line head feeding, line tail product completion, machine instead of human import, easy to improve efficiency, quality and environmental control.



Fulin Factory
workshop



自动识别pin针高度
Automatic identification of pin height



自动绕线
Automatic winding



条码追溯
Bar code trace



生产能力 (Production capability)



拥有先进生产设备及自动化设备,可高效达成客户的品质及出货需求

Have advanced production equipment and automation equipment, can efficiently meet customer quality and shipment requirements.

项次	设备	数量
1	赞扬成型机 / ZY molding machine	200
2	今机成型机 / JJ molding machine	160
3	低压成型机 / Low pressure molding machine	20
4	激光脱铝箔 / Laser aluminum foil removal	50
5	高频焊锡机 / High frequency soldering machine	100
6	Hot-bar 焊锡机 / Hot - bar soldering machine	80
7	激光焊接铁壳机 / Laser welding iron shell machine	20
8	电脑裁线机 / computer wire cutter	60
9	镭雕机 / Laser engraving machine	8
10	TYPE C 自动化线体 / TYPE C Automatic line	8
11	全自动点胶机 / Automatic gluing machine	6
12	其他配套设备 / Other supporting equipment	500



激光前处理
Laser preprocessing



导体焊锡
Signal Laser welding



全自动UV点胶机
Auto dispenser UV glue



千兆网口测试
Gigabit Ethernet Port Test



FCT 测试 15000点
15000 Point FCT



SI 40G 测试+64 矩阵
SI 40G +64 Matrix



品质能力 (Quality capability) -- Quality System



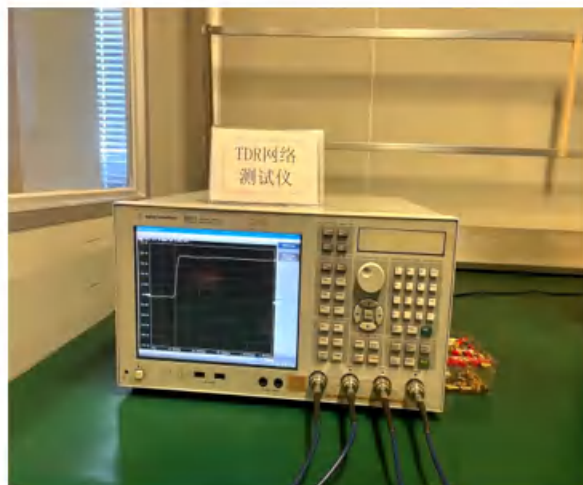
独立的质量管理保证体系，国家认可实验室，确保产品品质的全方位管控

Independent quality management guarantee system, national accreditation laboratory, to ensure the full range of product quality control.



玖木通实验室是中国合格评定国家认可委员会认可实验室 (注册号: CNAS L10935)
Jiumutong Laboratory is accredited by China National Accreditation Service for Conformity Assessment. (Registration number: CNAS L10935)

测试设备齐全, IQC,IPQC,QC,QA从产品设计, 来料, 制程, 出货全方位管控, 使制程品质得以保证
Complete testing equipment, IQC,IPQC,QC,QA from product design, incoming materials, manufacturing process, shipping control, to ensure the quality of the process.



品牌: 安捷伦(Agilent)

型号: E5071C

设备硬件: 4port接口,
单通道频宽 20GHz

测试软件: USB 2.0 /3.0 /3.1/4.0
HDMI1.4/2.0
DisplayPort

测试治具: USB 2.0 /3.0 /3.1/4.0
HDMI 1.4 /2.0
DisplayPort
RAW Cable

独立电子校正治具
USB/DP全套量测治具&软件
高认可度软件专业服务商: 佳烨、厘科

Hardware: 4port interface,
Single channel bandwidth: 20GHz

Software: USB 2.0 /3.0 /3.1/4.0
HDMI1.4/2.0
DisplayPort

Fixuturs: USB 2.0 /3.0 /3.1/4.0
HDMI 1.4 /2.0
DisplayPort
RAW Cable

Independent electronic correction fixture
USB/DP full set of measuring fixtures & software
High recognition software professional service provider: Jia Ye, Li Ke



品牌 **Brand:** 牛津 **Oxford**

型号 **Model:** X-Strata920

可测元素: 22~92号,如: Au-Ni-Cu-Sn

可测层数: 基材+4层电镀层

高精度: 第一层镀层厚度 $\leq 20\mu$ 误差 ± 0.1
 $\geq 20\mu$ 误差 $\pm 5\%$

第二层镀层厚度误差: $\pm 10\%$

第三层镀层厚度误差: $\pm 15\%$

第四层镀层厚度误差: $\pm 15\%$

多类型全覆盖标准样片(10种)

两个圆型准直器(0.10、0.30mm)

Measurable elements : 22~92, Au-Ni-Cu-Sn ect.

Measurable layer: base+4 layers of electroplating

High precision: thickness of the first coating $\leq 20\mu$ Deviation: ± 0.1
 $\geq 20\mu$ Deviation: $\pm 5\%$

The deviateion of second layer: $\pm 10\%$

The deviateion of third layer: $\pm 15\%$

The deviateion of fourth layer: $\pm 15\%$

Multi-type full coverage standard sample (10 types)

Two circular collimators (0.10、0.30mm)



线束全功能测试设备 Multifunctional testing machine

功能项目		
压降测试参数		
测试恒压源	0.0V ~ 7.5V	±1% ±50mV
测试恒流源	0.0 ~ 5000mA	±2% ±5mA
空载工作电流	•	±1% ±1mA
空载输出电压	•	±1% ±5mV
过电流测试	•	±1% ±1mA
过电压测试	•	±1% ±5mV
D+/D-电压测试	•	±1% ±5mV
纹波电压测试	•	±1% ±5mV
芯片信息读校	• (Lightning)	
E-mark芯片读校	• (Type-C)	

高压测试	直流高压	交流高压
ACT-90E	5V ~ 1000V	5V ~ 700V

- 1.Type C E-mark信息读校
Type C E-mark Indicates information reading and correcting
- 2.Lightning数据线MFI全功能测试
full function test
- 3.压降、高压、O/S多功能合一
Pressure drop, high pressure, O/S multi-function in one
- 4.定制化专用软件、专用测试盒
Customized special software, special test box
- 5.独立自主开发光感摇摆测试夹具
Independently developed light sensing bending test fixture



主机: Host

Intel i9 3.70GHz

双DP接口、Thunderbolt3接口(高达40GB传速速度)

Dual DP interface, Thunderbolt3 interface (up to 40GB transmission speed)

显示器: Monitor

最新款8K DP接口显示设备 The latest 8K DP interface display device

7680*4320 60HZ (DP Mode)



品质能力 (Quality capability) -- Testing Equipment





品质能力 (Quality capability) -- Testing Equipment



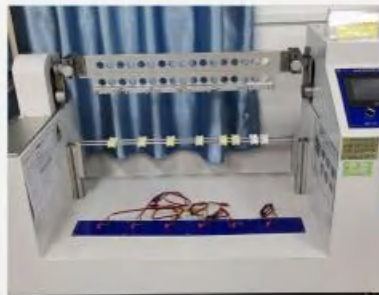
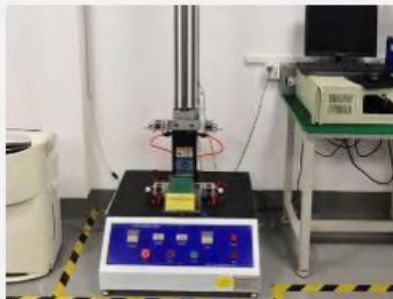


品质能力 (Quality capability) -- Testing Equipment



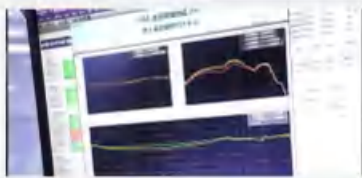


品质能力 (Quality capability) -- Testing Equipment





项次	设备	数量
1	Cable 测试机 / Cable tester	300
2	全自动插拔试验机 / Full-automatic mate/unmate tester	2
3	半自动插拔试验机/semi-automatic mate/unmate tester	1
4	盐雾测试机 / Salt spray tester	2
5	TDR高频测试机 / TDR high frequency tester	1
6	摇摆试验机 / Bending tester	4
7	恒温恒湿试验机 /Constant temperature and humidity tester	2
8	XRF环保测试仪 / XRF environmental protection tester	1
9	电线燃烧试验机 / Wire burning tester	1
10	振动测试机 / Vibration tester	1
11	膜厚测试仪 / Film thickness tester	1
12	线序检测仪 / Line sequence detector	10
13	全自动端子切面分析仪 / Automatic terminal section analyzer	1
14	其他测试设备 / Other testing equipment	50



05

PART



企业风采/Corporate style

工作中的我们
We work

学习中的我们
We learn

生活中的我们
Our life



工作中的我们 (We work)

JMTO





学习中的我们 (We learn)





谢谢观看THANKS

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