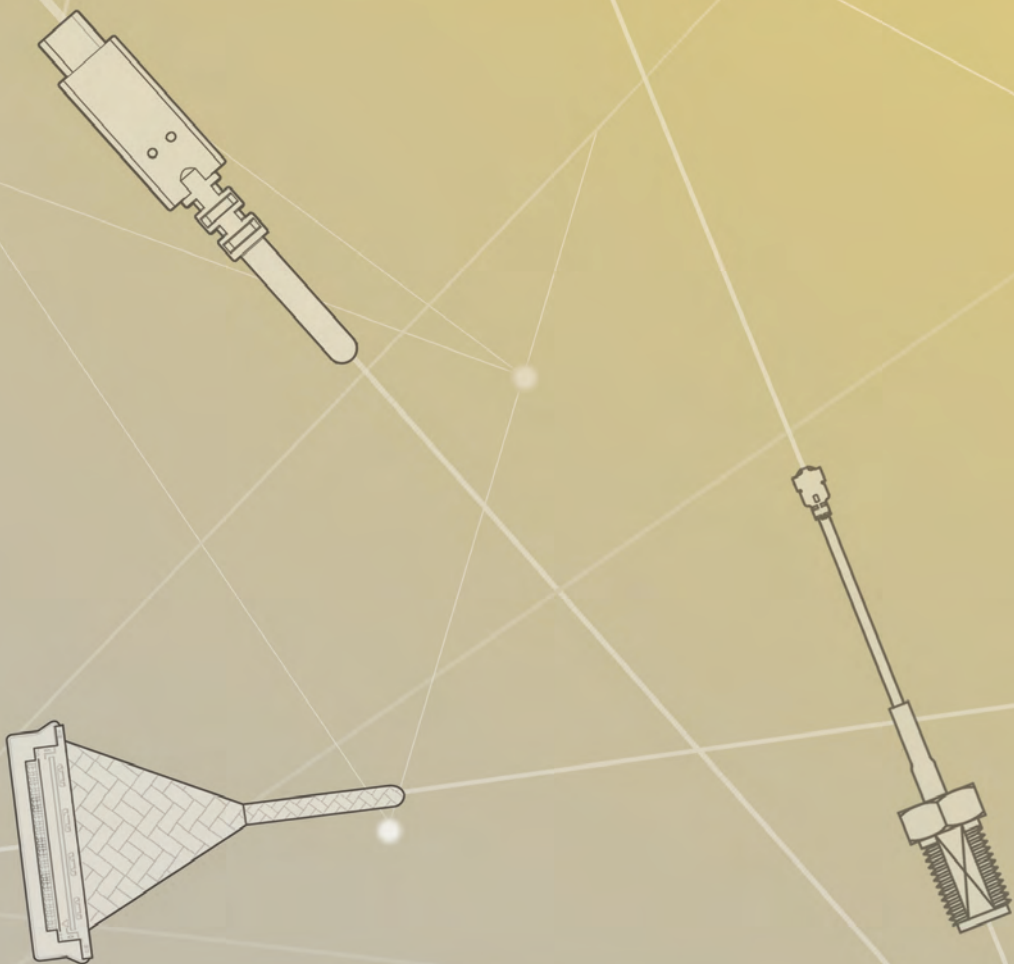




 **WANSHIH ELECTRONIC**
Connecting Your Life

Aggressiveness, Innovation, and Pursuing the Best are our management philosophies. Facing the changes of the industrial environment and the innovations of the technologies, we believe that we can win the support and trustworthiness from our clients through firmly standing by our management philosophies.

Website: www.wanshih.com.tw



Introduction

Established in 1987, Wanshih Electronic Co., Ltd., is a 50/50 joint venture company by Wonderful Hi-Tech Co., Ltd, Taiwan and Asahi Tsushin, Japan. In the initial stage, we started producing the power cords; wire harness, and cable assembly for consumer electronics, computer and communication applications.

As the years went on, we became a leading OEM/ODM manufacturer of mini coaxial cable assembly for tier-one notebook computer and mobile phone companies. In order to offer a timely support to our customers, and meet their target of continuous cost improvement, we established our production line at Dongguan in 1990, and Suzhou in 1994. Currently, the total employees are about 5,000 in Wanshih Group. In viewing the technology trend of telecommunication, Wanshih is dedicated ourselves in the key components development wireless communication since 2002.

Based on the capability of self-developing automatic production facility, Wanshih has been ranked at the top of the supply of mini coaxial cable, wireless antenna, and RF cable assembly for global market. In 2004, we are participating the product and market development of WiFi smart antennas, which are regarded as the cutting-edge key components for the next generation 3C products.

Thanks to the ceaseless hard work of all employees, we have stuck to a philosophy of "Action, Innovation, and Leadership" and committed to our customers on Continuous Improvements of Service, Technology, Quality, and Cost.

Global Location



ADD :
3-4F 72 Wu Kong 6th Rd., WUGU DIST.,
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WANSHIH (H.K) CO., LTD.



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FAX : +852-2798-6088

SUZHOU WANSHIH ELECTRONIC ELEMENT CO.,LTD.



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SUZHOU WANSHIH OPTICAL COMMUNICATION CO.,LTD.



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FAX : 86-512-6670-5132

Antenna



4G / 3G / 2G / WiFi Antenna Design , Measurement , Manufacture Intergrated Service



WSS038

LTE Antenna with RP-SMA(M)(Black)

Description :	WSS038 LTE Antenna with RP-SMA(M)
Antenna Profile :	224 mm
Operating Frequency :	698~960MHz, 1710~2690MHz
Peak Gain :	Customization
Action :	Swivel Type



WSS022

450MHz Antenna with SMA(M)

Description :	WSS022 450MHz Antenna with SMA(M)
Antenna Profile :	193.5mm
Operating Frequency :	450MHz
Peak Gain :	2.0 dBi Typical
Action :	Swivel Type



WSS025

2.4GHz 5dBi Antenna with RP-SMA

Description :	WSS025 2.4GHz Antenna with RP-SMA(M)
Antenna Profile :	171.5 mm
Operating Frequency :	2.4GHz
Peak Gain :	5.0 dBi Typical
Action :	Swivel Type



WSS002

2.4 GHz/5 GHz Antenna with RP-SMA(M)(Black)

Description	WSS002 Antenna with RP-SMA(M)
Antenna Profile :	108.5 mm
Operating Frequency :	2.4 GHz/ 5 GHz
Peak Gain :	2.0 dBi Typical
Action :	Swivel Type



WSS027

2.4GHz 6dBi Patch Antenna with RP-SMA

Description :	WSS027 2.4GHz Antenna with RP-SMA(M)
Antenna Profile :	85 x 80 mm
Operating Frequency :	2.4GHz
Peak Gain :	6.0 dBi Typical
Action :	Swivel Type



PCB & PIFA

2.4GHz / 5GHz
 LTE / UMTS / GSM
 Connector : MHF,MCX
 MCXX, SMA...etc.



Patch Antenna

2.4GHz / 5GHz
 LTE Band 40
 Connector : Customization

RF Cable

- ◆ Antenna Production 、 For OEM 、 ODM 、 OBM.
- ◆ Antenna Design. Frequency 300MHz to 60GHz.
- ◆ Antenna Measurement.
(Antenna Parameters, 3D Radiation Pattern, Throughput)
- ◆ OEM Antennas for branding companies.
- ◆ Various RF cable manufacturing.



RF Connector

- ◆ SMA, SMB, MCX, MMCX
- ◆ U, FL, MHF, TNC, BNC, N, F
- ◆ UHF, VHF

RF Cable Assembly

- ◆ Mini 0.8mm, 1.13mm, 1.32mm, 1.37mm
- ◆ RG178, RG316, RG174, RG58

External Cables



HDMI AA, AC, AD



HDMI / USB Adaptor



USB2.0 & USB3.0



C to Open (OEM / ODM)



Customized USB



USB 3.1



LAN cable



Power cord



DVI & D-sub



Dongle



SATA



Customized External Cable

HDMI

- ◆ HDMI Ethernet Channel
- ◆ 3D full HD function.
- ◆ Dolby Surround 7.1
- ◆ High Resolution 4096 x 2160
- ◆ 48bit color for true color

(Active cable) (Signal equalized IC inside)	
Cable size	Length(M)
40 AWG	1.0-3.0
36 AWG	1.0-4.5
(Passive cable)	
Cable size	Length(M)
40 AWG	0.2-0.8
36 AWG	0.2-1.2



Coaxial HDMI and wire harness HDMI.

Wanshih offers different cable length and OD for customer's requirement and supports customization plugs for various materials, colors and shapes.

Application: 3C Products / NB / Tablets / Video / Audio devices.



HDMI Certification



Coaxial Cable

USB Cable 2.0 / 3.0 / 3.1

◆ USB Cable Solutions

Specification	Connector	Specification	Connector
USB 3.1 Gen2	Type C	USB 3.0	Type A
USB 3.1 Gen1	Type C	USB 2.0	Micro B

◆ Description

USB 3.1 The latest version of USB interface. USB 3.1 Type C offers new features for audio and video with 10Gbps and supports 5A current. **TID No. 5,200,000,185**

USB 3.0 The advanced version of USB 2.0. The speed is up to 5Gbps/s from 480Mbps/s. The main application is on the mega data transmitting.

USB 2.0 The widely used interface for USB with the application of data transmitting and wearable charge.

Internal Cables

We support coaxial cables, wire harness and ultrathin PCB SMT with customization.

Application: Laptop / Tablets / Desktops / LCD TV/ LED TV/ Smart Phone / Digital Camera.



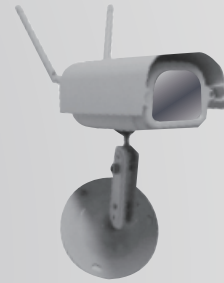
Applications



Laptop



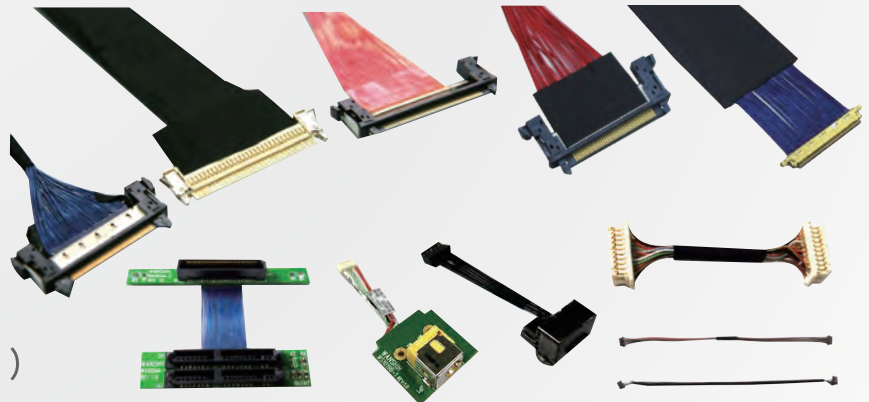
Copy Machine



IP cam

Our Products

- ◆ LVDS / eDP
- ◆ NB / Tablet / PC Cables
- ◆ 3C Cables
- ◆ Medical Cables
- ◆ SMT Process (FPC / PCB)



Applications



Smart TV



Amplifier



Cell phone / Tablet

Product Roadmap

2018

USB Type C to Audio / Lightning Cable/ #44 LVDS / HSD Fakra

2017

Medical Endoscope cable solution.

2016

5th Generation antenna design.

Enterprise GPS/GPRS/3G/4G DMS (Driving Management System) devices EMS services.

2015

USB 3.1 Cable

UAV (Unmanned Aerial Vehicle) system cable solution.

2014

Mass production in ultra sound cables in medical field.

2013

Developed ship radar connecting cables.

0.25 mm pitch coaxial #46 half automatically production line.

Car relative cables.

2012

Developed PCIE connect cables.

Head set NVS network video system wiring.

Thick gauge wire for power control box in cloud system.

2010

Started with USB 3.0 signal cable and medical coaxial cable mass production.

2009

Developed medical coaxial cables and HDMI ver. 1.4.

2006

Involving in new business in coaxial cable for LCD TV.

2005

Starting new business model in coaxial cable for cell phone and PDA.

2002

Creating new business field in RF cables and wireless antennas.

1998

Have signed technological cooperation contract with Sumitomo for coaxial cable and started mass production.

1987

Wanshih Electronics Co., Ltd was established by Asahi Tsushin, Japan and Wonderful Hi- Tech Co., Ltd, as a joint venture company. The main products are for TV, DVD player, PC and OA equipments.

Certification

- ISO 9001 2015
- ISO 14001 2015
- ISO 13485 2016
- IATF16949 2016
- OHSAS 18001 2007
- QC 080000 2012
- Sony Green Partner
- MFi Certificate
- USB 3.1 TID Certificate



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