

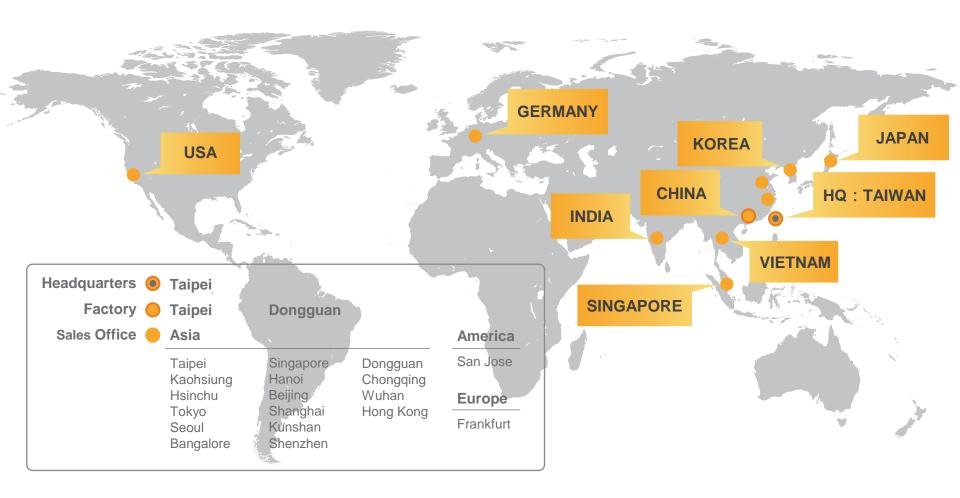
CCP Contact Probes

Testing Solution

History

- 2020 New Product Line: High Speed Network Cable
- 2020 Korea Subsidiary established.
- 2019 Japan Singapore Sub and India Office established.
- 2018 Germany Subsidiary established.
- 2016 Industrial Connector & Crown Spring Connector.
- 2014 CCP US Subsidiary established.
- 2012 Set up 100k class clean room production line.
- 2006 IC Testing
- 2003 Listed in Taiwan Stock Market (TW.6217).
- 2002 Pogo Pin Connector
- 2001 Dongguan CCP Contact Probes Co., Ltd established.
- 1986 ICT Testing
- 1986 CCP Contact Probes Co., Ltd. Established.

CCP Contact Probes



Selected Customers:













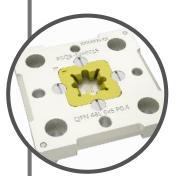








Product Portfolio



CCP - Testing
Fine Pitch

IC Testing Probe IC Probe Head PCB Testing Probe



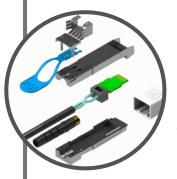
CCP - Connector

Pogo Pin Conn. Waterproof Conn. Magnetic Conn.



CCP - High Current

Electronic Vehicle High Current Conn.

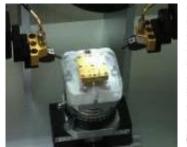


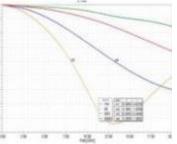
CCP – High Speed 25Gbps~100Gbps

Data Networking Transceiver

Core Advantages

High Frequency Simulation





HFSS

Material Development

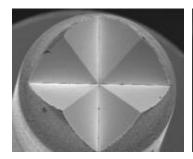




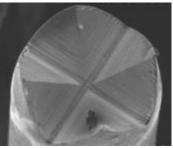


Self-owned Plating Factory

Mirror Process

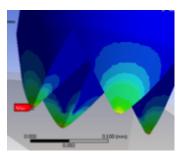


CCP's Product



Other Provider

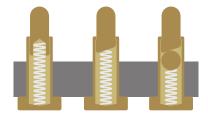
Finite Element Analysis



ANSYS

Manufacturing Capacity

Pogo Pin Connectors



60 Mio Pins / Month

Testing Probes



2 Mio Pins / Month



Verification Ability

Testing Items

Environmental

Waterproof
Humidity Test
Salt Spray
Thermal Impact
Resist. To Solder Heat
Vibration

Electrical

Contact Resistance Insulation HIPOT Rated Current

Mechanical

Retention Force Life Cycle Vibration Mechanical Shock

Other

Drop
Soldering Side Force
Solderability

Quality Management

Quality System

ISO 9001: 2015

Quality Management Systems

ISO 13485: 2016

Medical devices - Quality management systems

ISO 14001: 2015

Environmental Management System

IATF 16949: 2016

Automotive Quality Management System

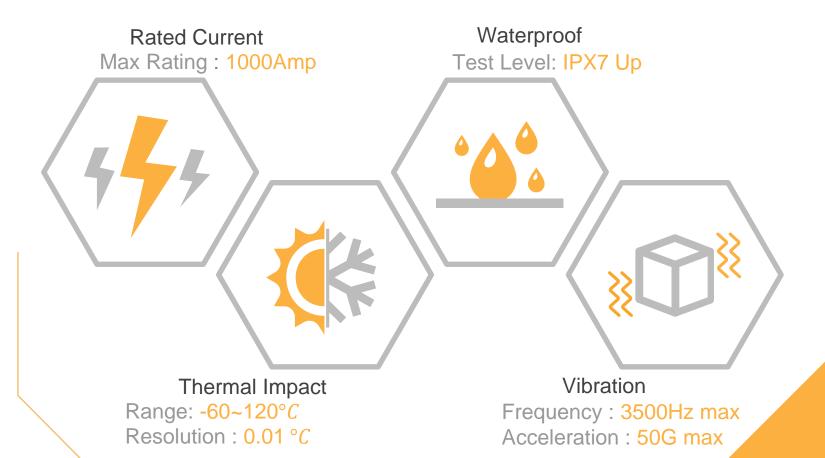
QC 080000

Hazardous Substance Process Management

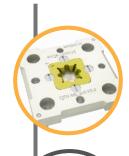
Quality Assurance



Testing Equipment



Product Line - Testing Solution



IC Package Test



Memory Test



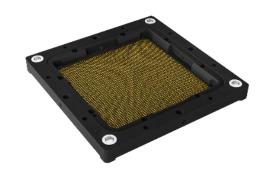
Burn-In Test



WLCSP Test

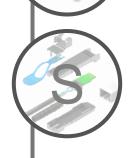


High Frequency Test



Battery Test





PCB Test Probe

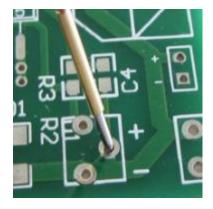


PCB Test Probe



PCB





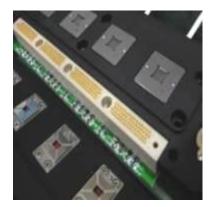


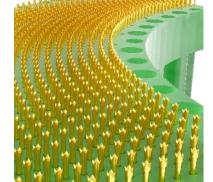
Battery

LED

Pogo Tower







IC Test Probe

General Final Test

Burn-In Test

Memory Test





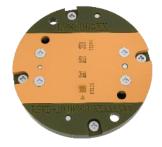


High Frequency Test

Wafer Level Test

Fine Pitch Test

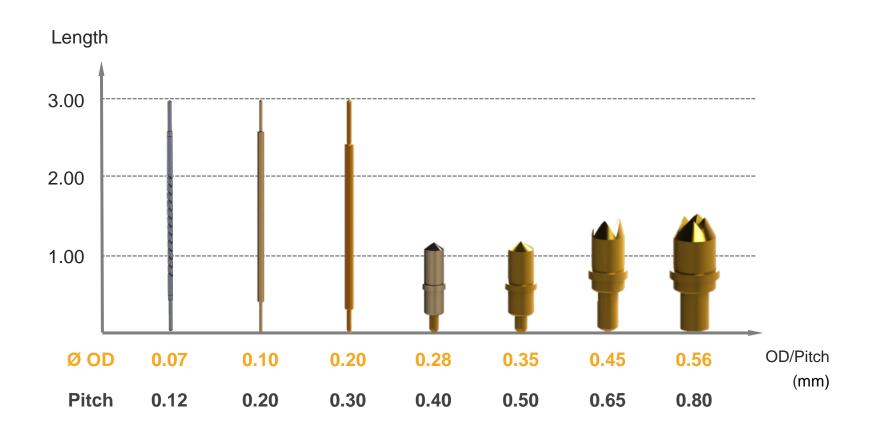




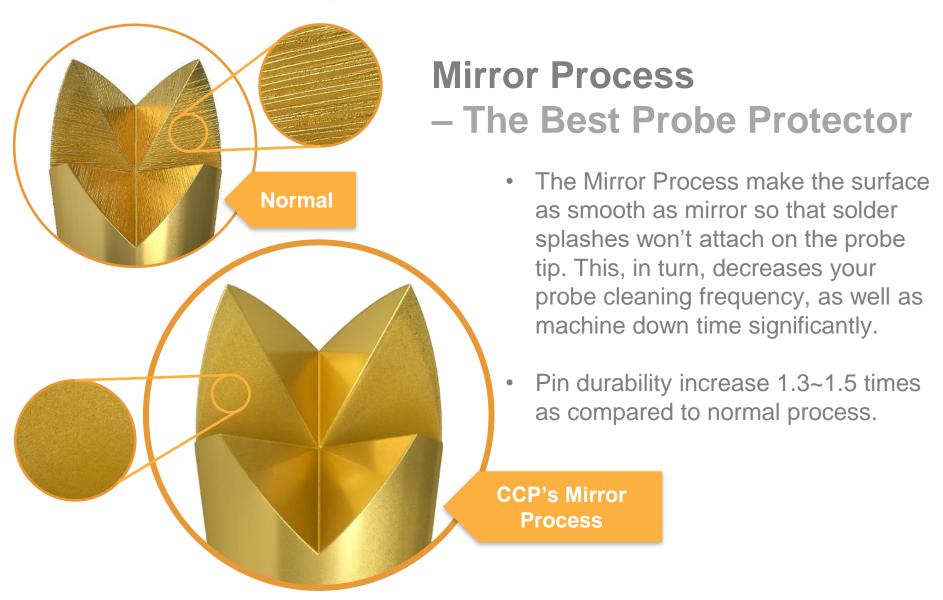




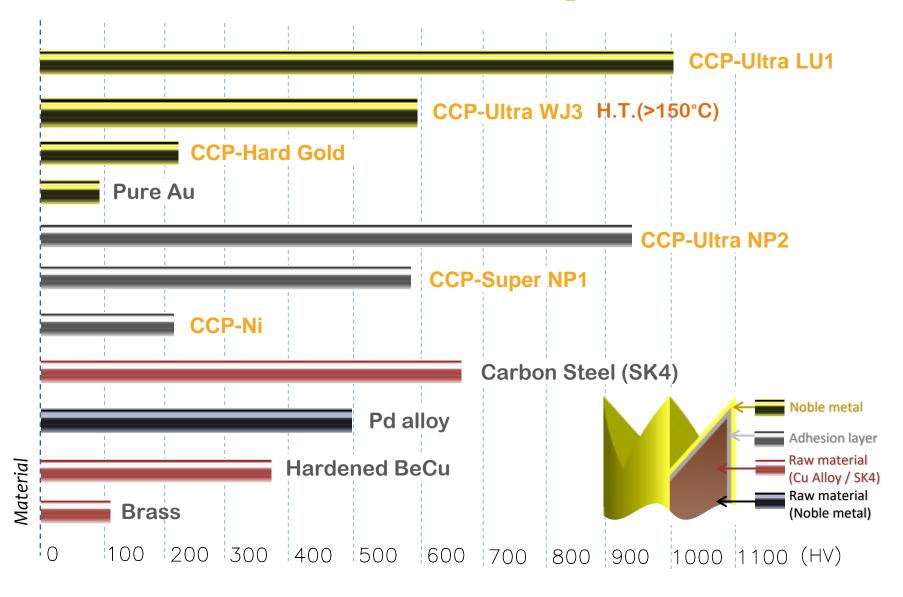
Testing Probe Design Capability



Testing - Mirror Process



Material Development



Testing Instrument

Turning Parts Surface Inspection



Optical Profiler

Surface Roughness Inspection

Plating Layer Inspection



Nanoindenter

- Hardness measurement
- Adhesion Test



FE-SEM and EDS

- Surface profile observation
- Material analysis

Integrated Manufacturing



Automatic CNC lath



CNC spring coiling machine



Surface treatment production line



Semi-automatic assembly machine



Automatic assembly machine



Automatic probe full inspection











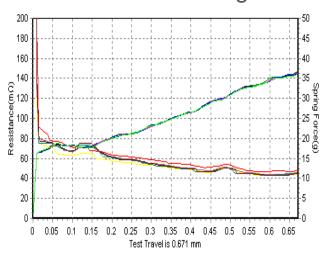


High Current Probe

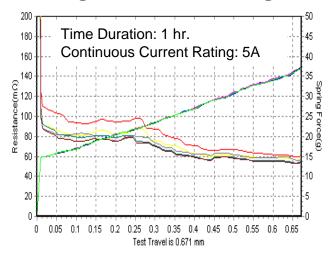
Patent No. M453149



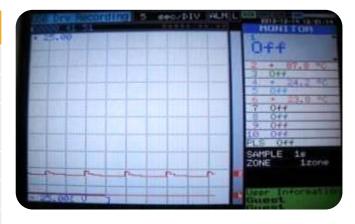
Normal Testing



High Current Testing



CCP Concentric Pin	
Stroke	0.60mm
Contact force	30 g (Adjustable)
Durability	Contacts : >30k
Pitch	0.650mm
DC resistance	< 60mΩ
Current Rating	5A



Temperature Record

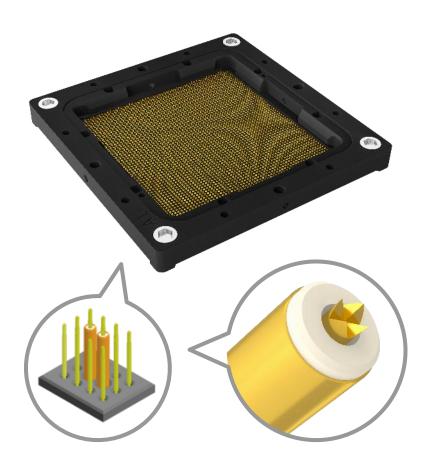
High Frequency Solution

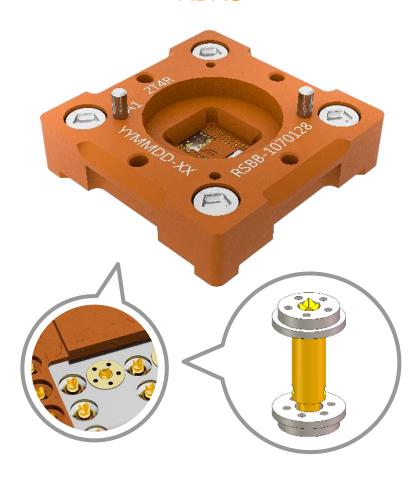


High Frequency Solution

Coaxial Probe Socket 5G IC

Hybrid Coaxial Socket ADAS

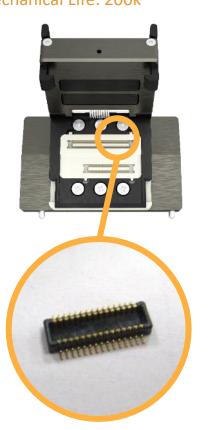




Testing: Fine Pitch Test Fixture

Dual-Side Pogo Socket

Min Pitch: 0.2 Mechanical Life: 200k

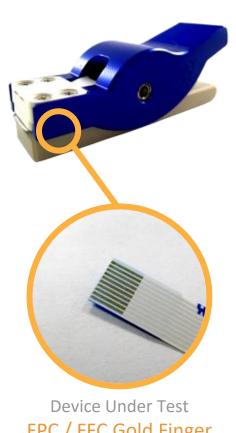


Device Under Test Fine Pitch Connector

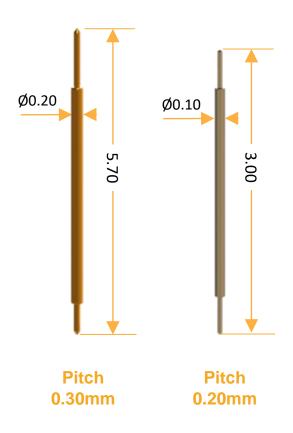
Clip Pogo Socket

Min Pitch: 0.2

Mechanical Life: 200k



FPC / FFC Gold Finger



Testing: IC Final Test Socket

BGA



QFN

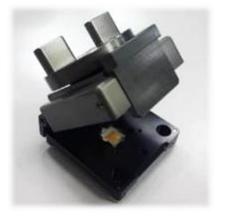


Memory Test

DDR 1~4 eMCP Flash

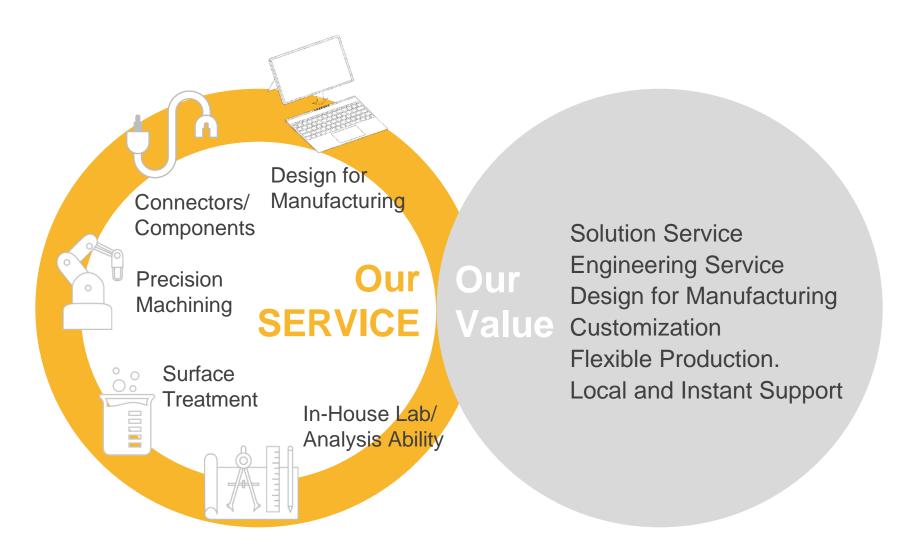


Clamping Lid
QFN QFP
<200 pins



Knob Lid
All Kind
>200 pins

Create Value for Customers



Social Responsibility



Summer camp for employees' children.





Home visit to employees around the world.





CCP offers tuition scholarship for employees' children.



Q&A

