

# New Energy Connector

High Current Connector  
EV Charging Connector



C.C.P. CONTACT PROBES CO.

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# About Us: CCP

## Advantages



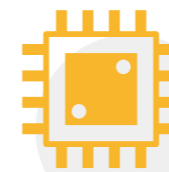
30 Years of Experience of Product Design  
with First-Tier Clients

Speedy and Flexible Design Process  
with Self-owned Turning and Plating Factory



Stable Products with  
Certified Quality Management System  
and High-end Equipments

## Product Lines



Testing Solutions



High Current Connector Solutions



Commercial Connector Solutions



Industrial Connector Solutions

# About Us: CCP

## History

**2020** CCP Korea Established/  
High Speed Cable Product Line

**2019** CCP Japan/ Singapore/ India Established

**2018** CCP Germany Established

**2016** New Energy Connector Product Line

**2014** CCP USA Established

**2003** Listed in Taiwan Stock Market (TW. 6217)

**2002** Commercial Connector Product Line

**2001** CCP Dongguan Established

**1983** CCP Established/ Testing Product Line

## Company Culture



Yearly Home Visit

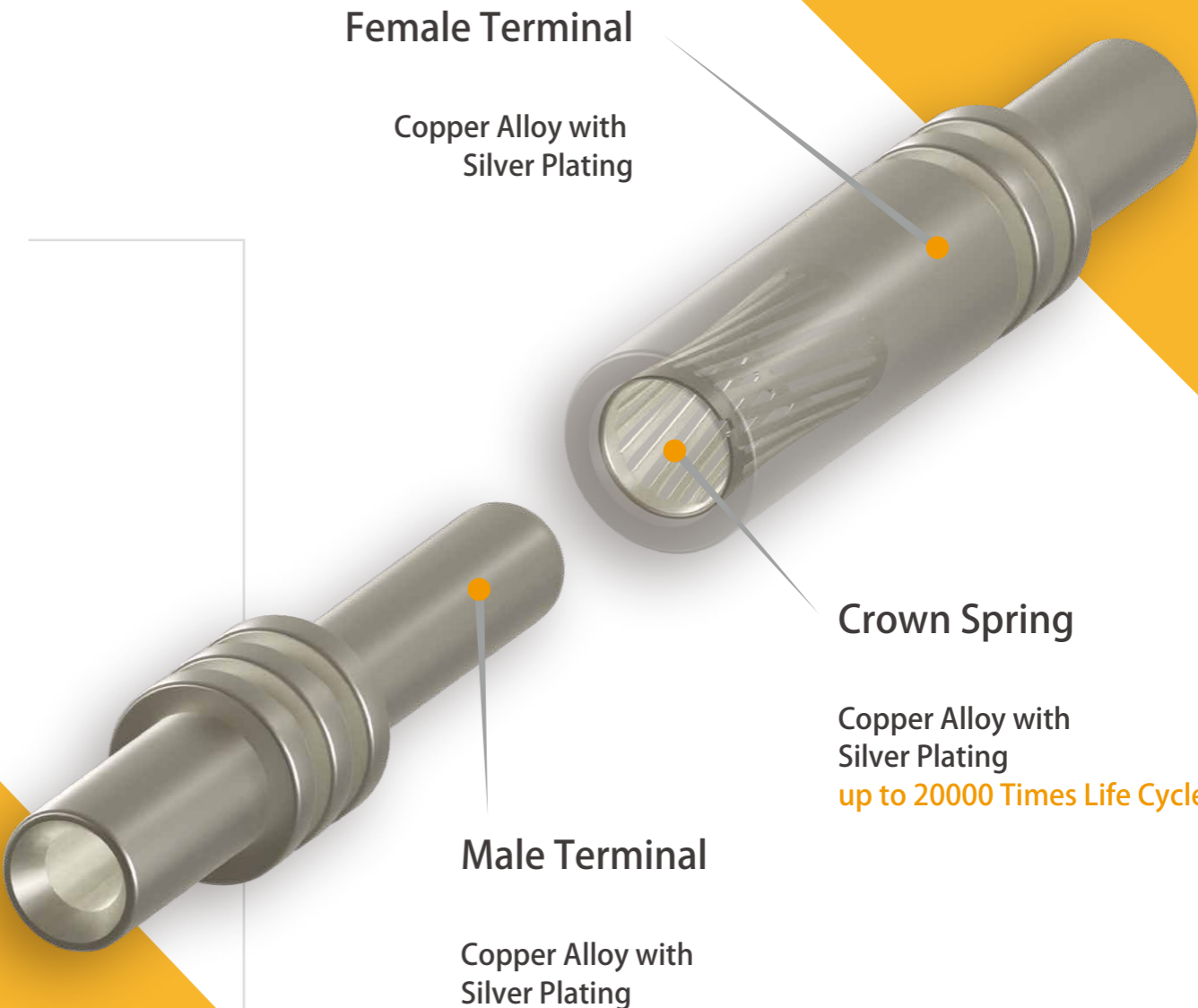


Employee's Children Summer Camp



Tuition Subsidy for Employee's Children

# Crown Spring and Terminals



Female Terminal

Copper Alloy with  
Silver Plating

Crown Spring

Copper Alloy with  
Silver Plating  
up to 20000 Times Life Cycle

Male Terminal

Copper Alloy with  
Silver Plating

# Terminal Dimension

Dim A (mm)	Dim B (mm)	Dim C (mm)	Current (Amp)
1.5	1.65	5.6/7.6	5~12
2.8	3.95	5.6/7.6	32~80
3.0	3.58	5.6	2.3
3.6	3.75	6.6/7.6	16~120
3.8	4.10	7.5	25
4.0	8.00	5.6	32
6.0	6.20/6.50	13.1/15.0	32~150
6.4	7.54	10.0	115
7.2	7.40	10.0	150
8.0	8.10/8.20	10.0/20.0	100~230
10.0	10.20	13.1/24.2	200~300
12.0	12.20	24.2	250~400
14.0	14.20	32.0	500
16.0	16.20	12.0/38.0	400~700
18.0	18.20	12.0	600
19.0	19.00	9.6	100

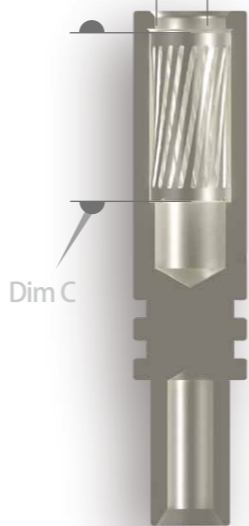
Besides dimensions on the list, CCP can customize for sepecial request.

Male Terminal



Dim A

Dim B



Dim C

Female Terminal  
& Crown Spring

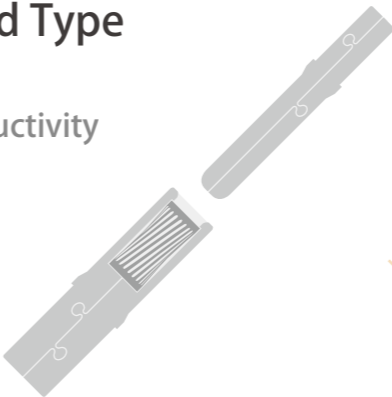
# Connector Type and Wiring

## Wiring Method

## Connector Type

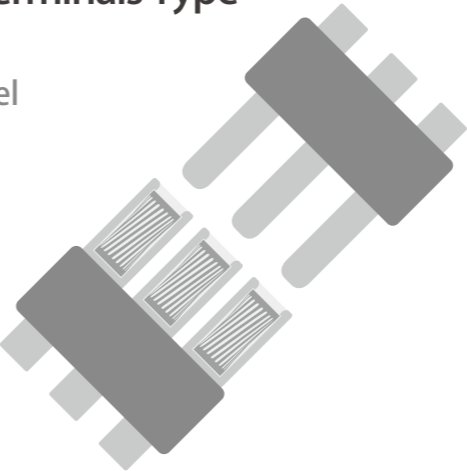
### Stamped Type

High Productivity  
Low Cost



### Multiple Terminals Type

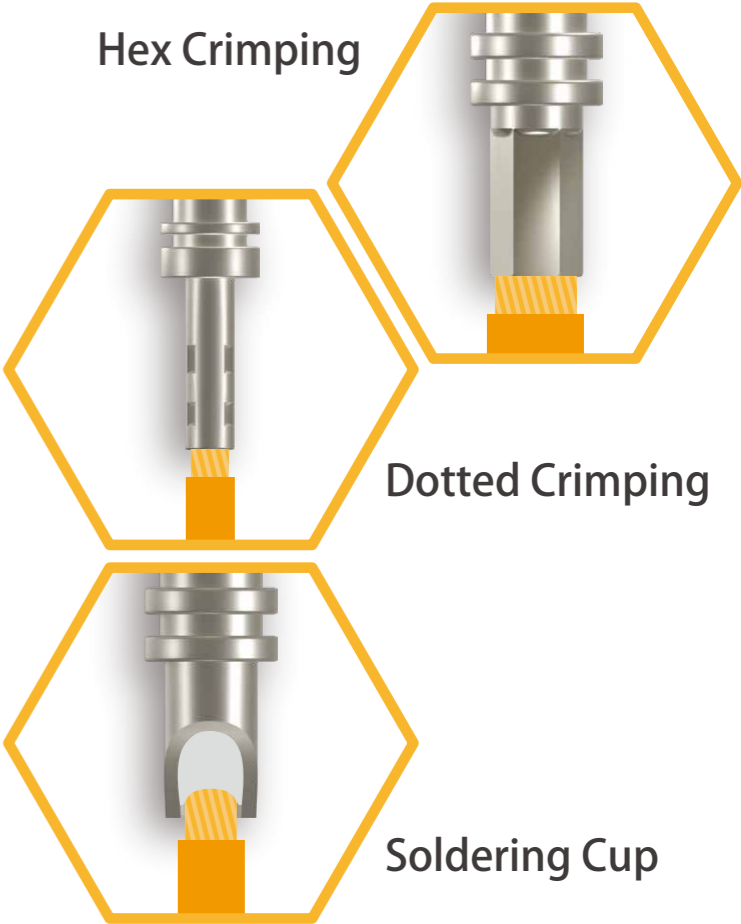
Multi-Channel



### Hex Crimping

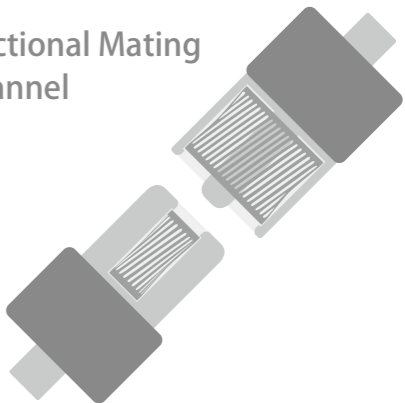
### Dotted Crimping

### Soldering Cup



### Coaxial Type

Non-directional Mating  
Multi-Channel



# GB EV Charging Plug & Socket



AC Plug



AC Socket

CQC  
Certified

China  
Standard



Besides plug and socket for China GB Standard, CCP can provide terminal and crown spring for Europe IEC & USA SAE standard.

AC Type



AC Control Box

DC Socket

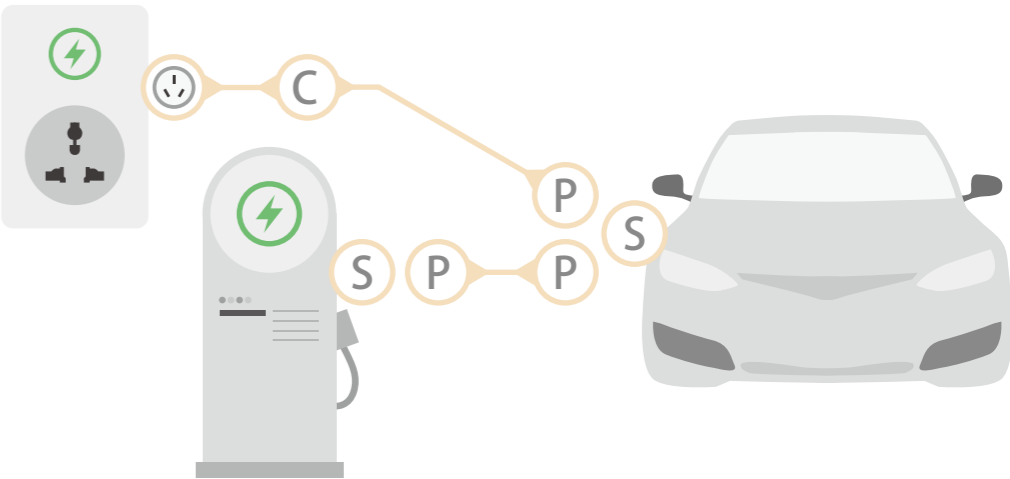


DC Type



# GB EV Charging Specs

- P Plug
- S Socket
- C Control Box
- Home Plug



	AC Plug	AC Socket	DC Socket
Rated Voltage (V)	250	250	750/1000
Rated Current (Amp)	16/32	16/32	80/125/200/250
Insulation Resistance (MΩ @1000V DC)	1000	1000	1000
Withsatnd Voltage (V AC)	2500	2500	2500
Mechanical Life (times)	>10'000	>10'000	>10'000
Insertion Force (N)	<100	<100	<140
Terminal Temp. Rise (ΔT @25°C)	<50°C	<50°C	<50°C
Operating Temp. (°C)	-40~80	-40~80	-40~80
Ingress Protection	IP55	IP55	IP55
Flame Rating	UL94 V-0	UL94 V-0	UL94 V-0
Standard	GB/T 20234.2-2015	GB/T 20234.2-2015	GB/T 20234.2-2015

# 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

## Testing Equipment

Rated Current  
Max Rating : **1000Amp**



Waterproof  
Test Level : **IPX8 Up**



Thermal Impact  
Range : **-60~120°C**  
Resolution : **0.01°C**



Vibration  
Frequency : **3500Hz max.**  
Acceleration : **50G max.**



# Quality Management

## Quality System

**ISO 9001: 2015**  
Quality Management

**ISO 14001: 2015**  
Environmental Management

**ISO 13485: 2016**  
Environmental Management

**IATF 16949: 2016**  
Automotive Quality Management

**QC 080000**  
Hazardous Substance  
Process Management

## Quality Assurance





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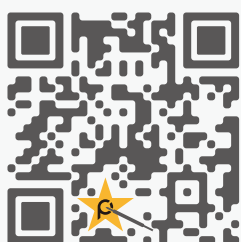
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