

# New Energy Connector

High Current Connector  
EV Charging Connector



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## Advantages



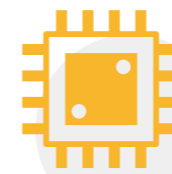
30 Years of Experience of Product Design with First-Tier Clients

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

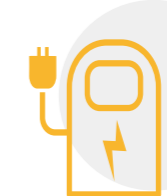


Stable Products with Certified Quality Management System and High-end Equipments

## 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

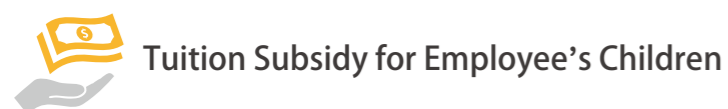
**2003** Listed in Taiwan Stock Market (TW. 6217)

**2002** Commercial Connector Product Line

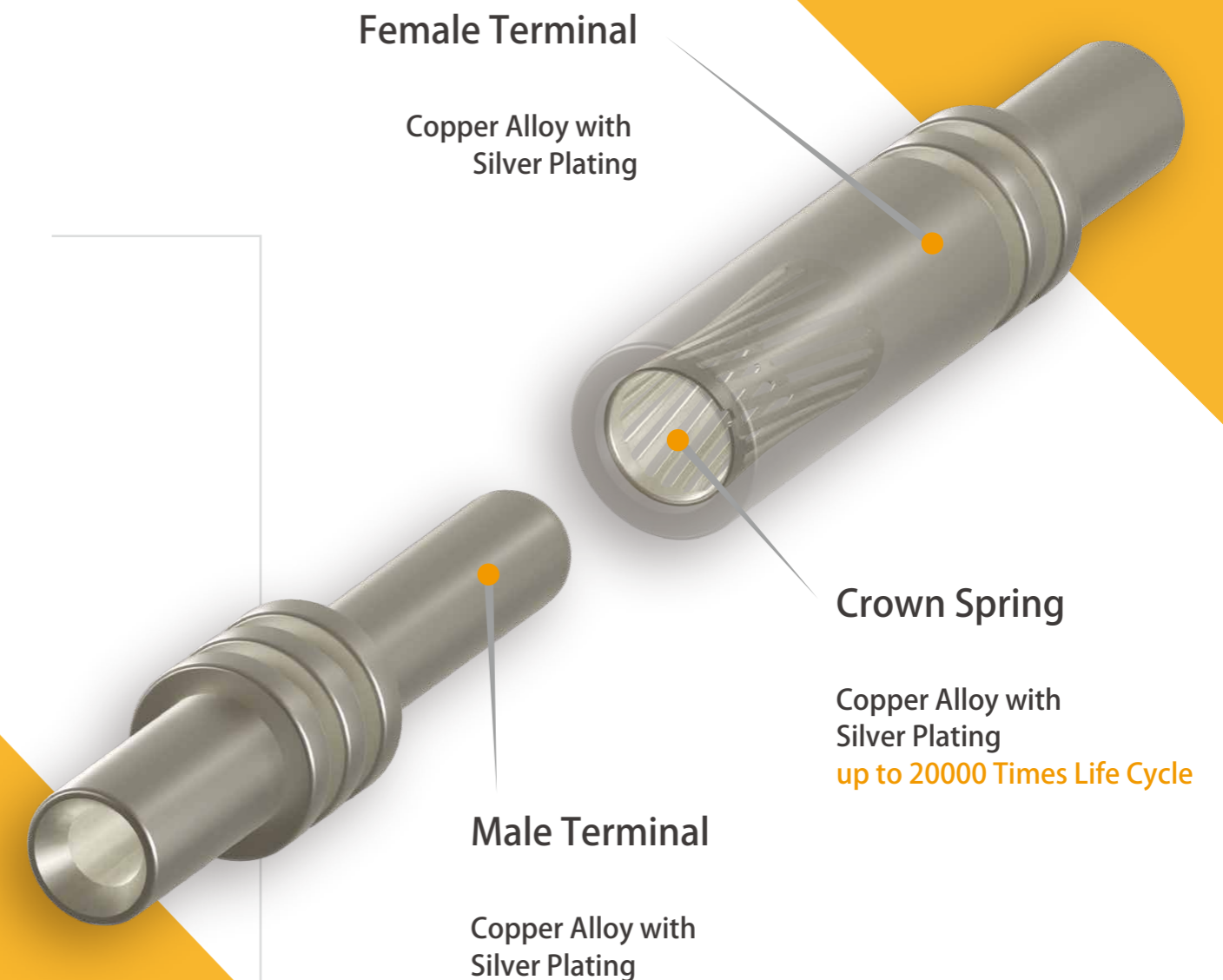
**2001** CCP Dongguan Established

**1983** CCP Established/ Testing Product Line

## Company Culture



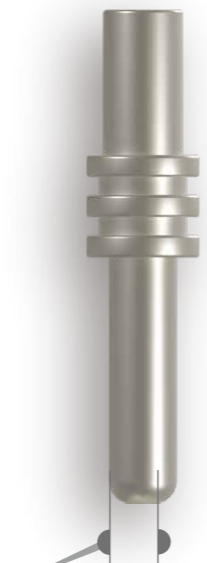
# Crown Spring and Terminals



# Terminal Dimension

# Connector Type and Wiring

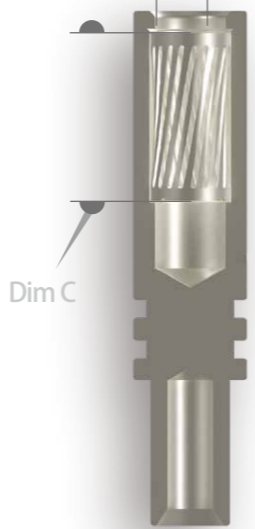
Male Terminal



Dim A

Dim B

Dim C



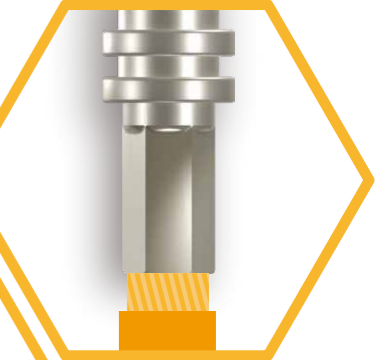
Female Terminal & Crown Spring

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.

## Wiring Method

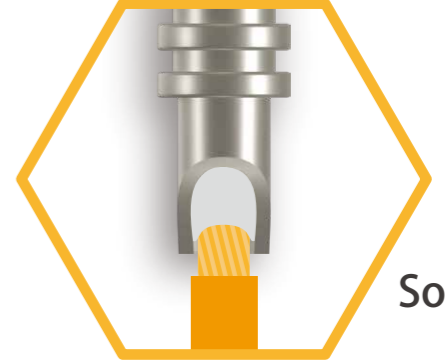
Hex Crimping



Dotted Crimping



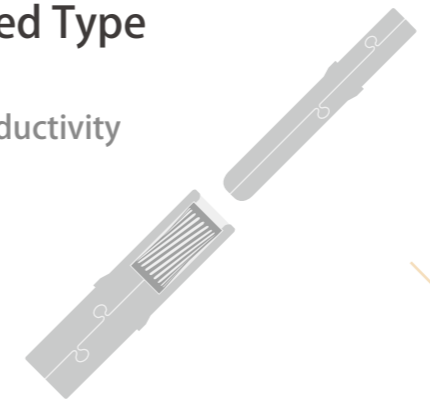
Soldering Cup



## Connector Type

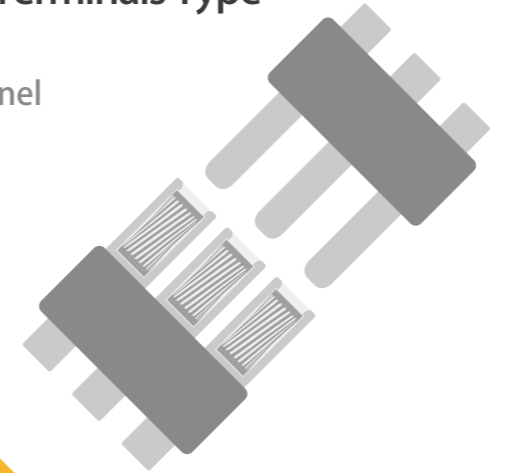
### Stamped Type

High Productivity  
Low Cost



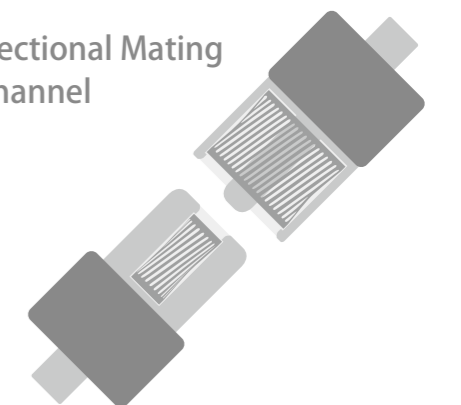
### Multiple Terminals Type

Multi-Channel



### Coaxial Type

Non-directional Mating  
Multi-Channel



# GB EV Charging Plug & Socket



AC Socket



AC Type



## China Standard

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



DC Socket



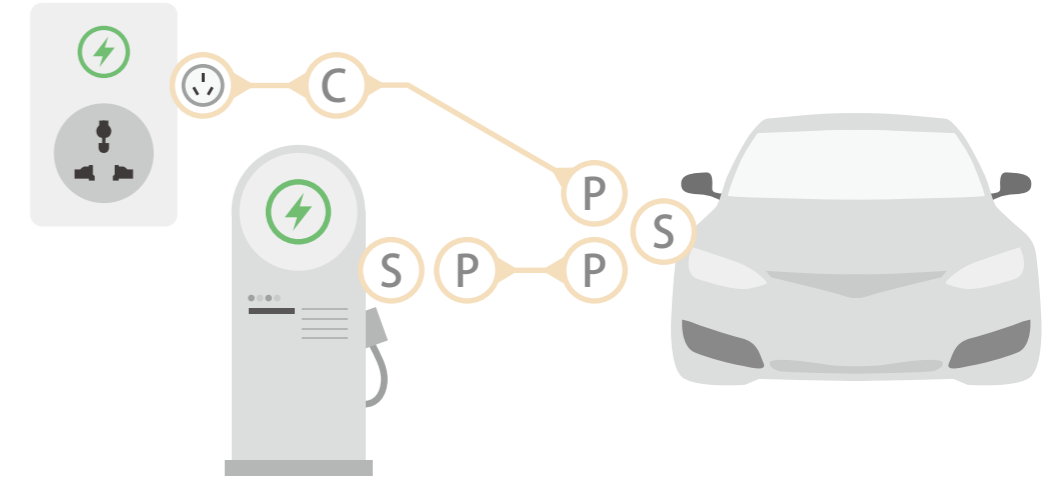
DC Type



AC Control Box

# GB EV Charging Specs

- Plug
- Socket
- 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 14001: 2015  
Environmental Management

IATF 16949: 2016  
Automotive Quality Management

ISO 9001: 2015  
Quality Management

ISO 13485: 2016  
Environmental Management

QC 080000  
Hazardous Substance  
Process Management

## Quality Assurance





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