

CHOGORI



E-SCOOTER
CONNECTION SOLUTIONS



Chogori Headquarters Shenzhen



Chogori Dongguan Factory

CHOGORI CONNECTIVITY SOLUTIONS FOR E- SCOOTER



Orders Centre



Production Line



Machine



Storage



44,000 m²



1000+ Members



3 Facilities
Dongguan & Shenzhen & Thailand



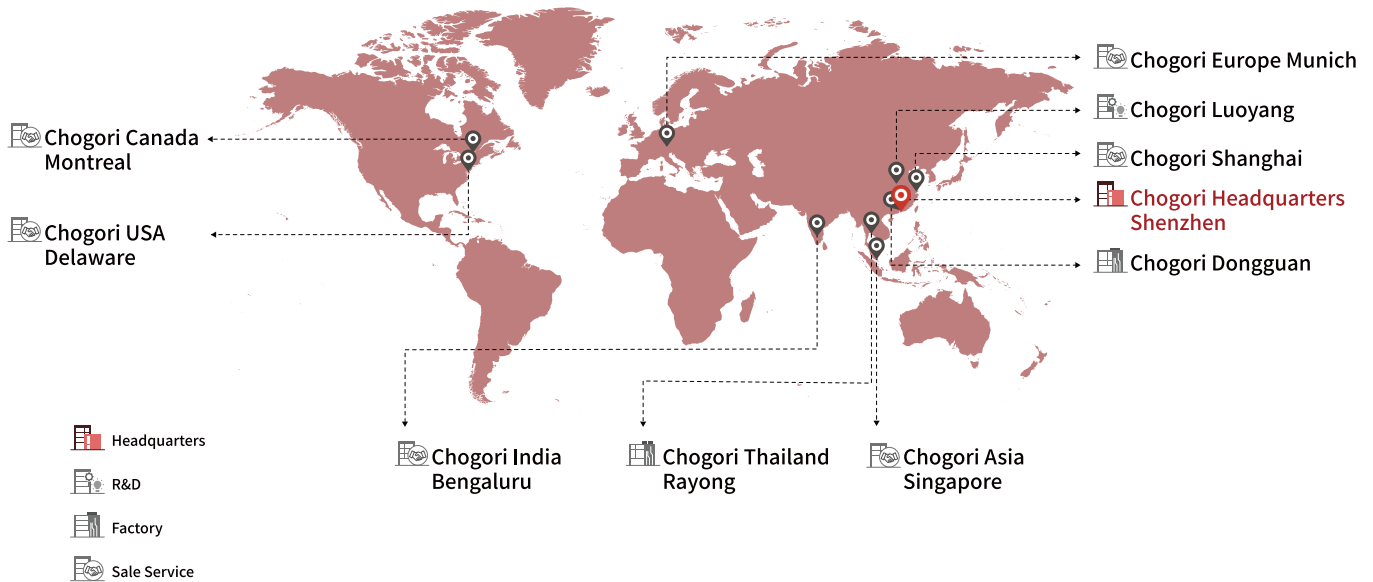
5M Sets
Monthly Capacity

About Us

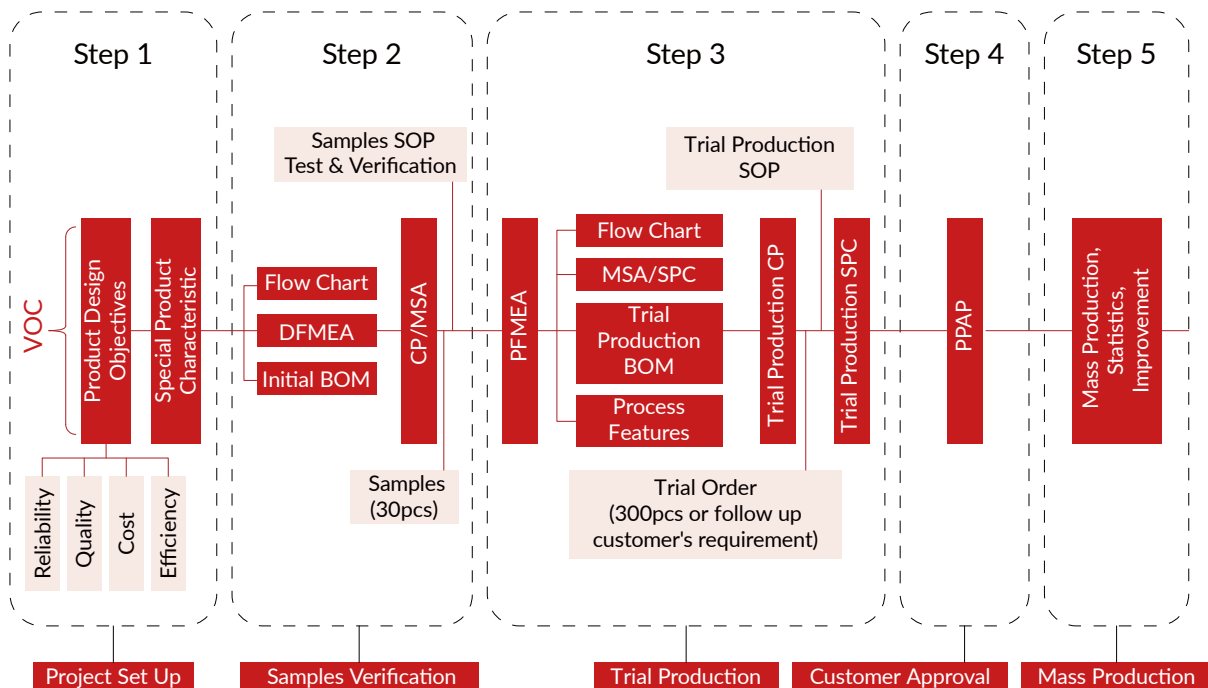
CHOGORI founded in 2007, our products are used in a wide variety of harsh industrial and outdoor applications in the areas of Electric Scooters, Electric Bicycles, Electric Emerging Markets, Electrical Outdoors, which require connectors and cables to be robust, dust-proof and waterproof.

Chogori has applied Toyota's lean management philosophy since 2013 to improve its operations. We have established International Industry Standard Laboratory, where all products are validated according to USCAR 2, USCAR 37, and DFMEA validation according to specific features required by our customers.

GLOBAL DISTRIBUTION



APQP SYSTEM



INTELLECTUAL PROPERTY

Our company has obtained more than 300 patents (including invention patents, utility model patents and design patents)



Our company has obtained IATF16949, ISO9001, ISO14001, ISO45001 certification, related products have also obtained CE, UL, TUV, 3C.



RoHS



CHOGORI CONNECTION SOLUTIONS FOR E-SCOOTER





CONTENTS

Power Connectors

7	Banga100 2+6 Pin (100A+5A)
8	Bourbon80 2+8 Pin (90A+5A)
9	Bourbon80 3+6 Pin (90A+5A)
10	LD80 2+8 Pin (80A+5A)
11	Mate60 2+4 Pin (60A+5A)
12	Mate60 2+1+5 Pin (60A+15A+5A)
13	Mate60 2+6 Pin (60A+5A)
14	Mate60 2+8 Pin (50A+5A)
15	Large 2+4 Pin (40A+5A)
16	Large Pro 2+4 Pin (50A+5A)
17	Large 2+1+5 Pin (40A+15A+5A)
18	FC04 Pro 2+10 Pin (100A+5A)
19	FC09 Pro 3+10 Pin (40A+5A)
20	ES-CP50 2 Pin (50A)
21	ES-CT6 2+5 Pin (25A+2A)
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24	Middle 2+3 Pin (20A+5A)
25	M12 2+3 Pin (15A+2A)

Signal Connectors

26	Micro-A 2-6 Pin (2A)
27	Dream 7 Pin (2A)
28	Dream 11 Pin (2A)

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Power Connectors

Banga100 2+6 Pin (100A+5A)

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APPLICATIONS

For E-scooter and E-motorcycle charging and discharging application

ADVANTAGES

- Lock with latch
- Self-locking button to prevent accidental unlocking
- Up to 6 signal pins
- With an audible click when locked in place
- Countersunk panel mount solution with 90 degree cable out to reduce the overall height
- RoHS and REACH compliant
- IPXXB



DIMENSIONS

Mechanical Properties

Mating Cycle:	3000 Cycles
Voltage Rating:	630V DC (Power) 100V DC (Signal)
Current Rating:	100A+5A
Peak Current:	Power 180A 30S
Withstand Voltage:	3500V AC (Power) 1500V AC (Signal)
Insulation Resistance:	500MΩ at DC 500V

Electrical Properties

Environmental Properties

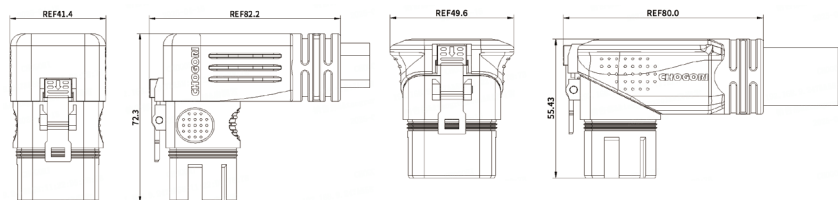
IP Rating:	IP66 Mated IPX7 Panel Side
Operating Temperature:	-40°C to 105°C
Salt Spray:	5%NaCl, 48H

Others

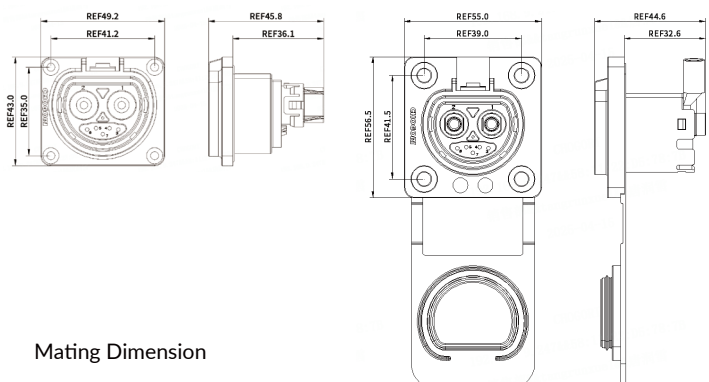
Wire Processing:	Crimp (Power) Solder (Signal)
Wire Gauge:	Power 25mm ² / Max Signal 20AWG / Max
Flammability Rating:	UL94 V-0

SPECIFICATIONS

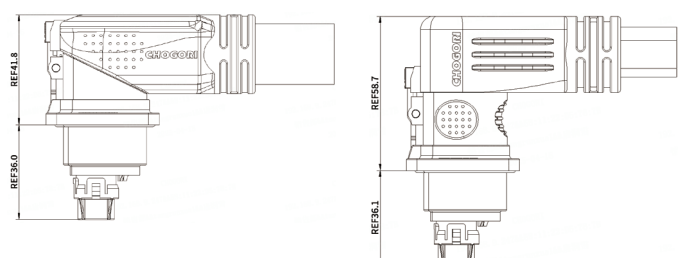
Plug



Panel



Mating Dimension



For E-scooter and E-motorcycle charging and discharging application

APPLICATIONS

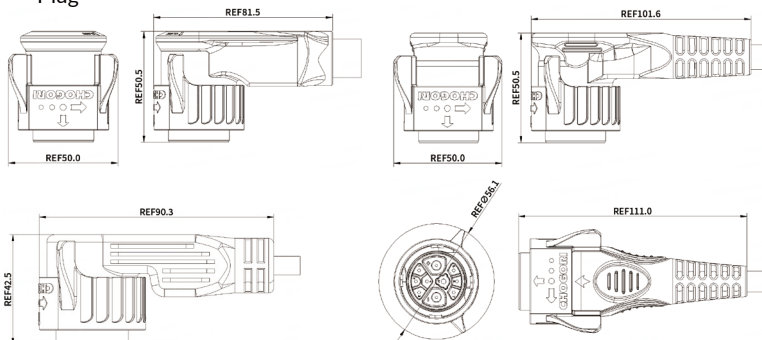
ADVANTAGES



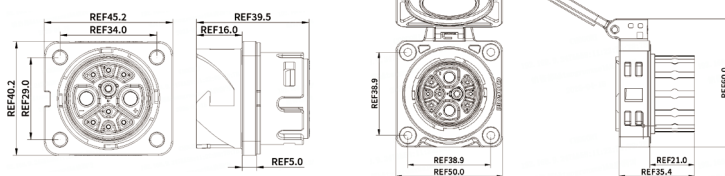
- Push-lock mechanism, easy to plug and unplug, with an audible click when locked in place
- A simple rotation-based lock release mechanism Locking nut with hand grip, easy access
- 4 locking dots design enhances connection stability in vibrating environments
- RoHS and REACH compliant
- IPXXB

SPECIFICATIONS

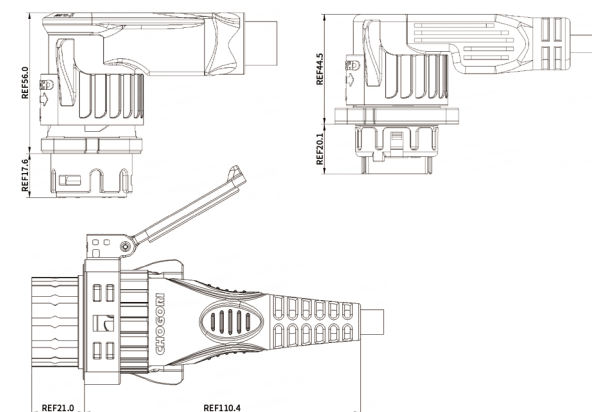
Plug



Panel



Mating Dimension



DIMENSIONS

Mechanical Properties

Mating Cycle: 3000 Cycles

Electrical Properties

Voltage Rating: 300V AC (Power)
100V AC (Signal)

Current Rating: 90A+5A

Peak Current: Power 150A 10S

Withstand Voltage: 2000V AC (Power)
1500V AC (Signal)

Insulation Resistance: 500MΩ at DC 500V

Environmental Properties

IP Rating: IP67 Mated
IP67 Panel Side

Operating Temperature: -40°C to 105°C

Salt Spray: 5%NaCl, 48H

Others

Wire Processing:
Crimp (Power) Solder (Signal) / Plug Side
Crimp / Panel Side

Wire Gauge: Power 5AWG / Max
Signal 20AWG / Max

Flammability Rating: UL94 V-0

APPLICATIONS

For E-scooter and E-motorcycle charging and discharging application

ADVANTAGES

- Push-lock mechanism, easy to plug and unplug, with an audible click when locked in place
- 4 locking dots design enhances connection stability in vibrating environments
- A simple rotation-based lock release mechanism
- Locking nut with hand grip, easy access
- RoHS and REACH compliant
- IPXXB



DIMENSIONS

Mechanical Properties

Mating Cycle: 3000 Cycles

Electrical Properties

Voltage Rating: 300V AC (Power)
100V AC (Signal)

Current Rating: 90A+5A

Withstand Voltage: 2000V AC (Power)
1500V AC (Signal)

Insulation Resistance: 500MΩ at DV 500V

Environmental Properties

IP Rating: IP67 Mated; IP67 Panel Side

Operating Temperature: -40°C to 105°C / Plug Side
-40°C to 125°C / Panel Side

Salt Spray: 5%NaCl, 48H

Others

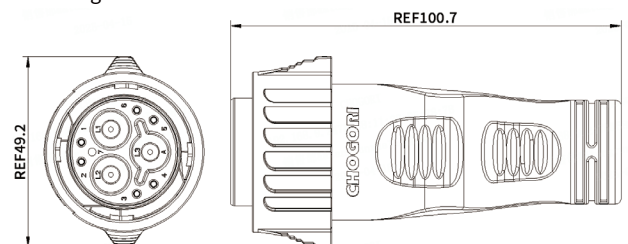
Wire Processing:
Crimp (Power) Solder (Signal) / Plug Side
Crimp / Panel Side

Wire Gauge: Power 5AWG / Max
Signal 20AWG / Max

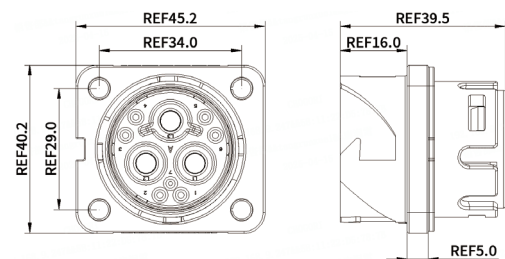
Flammability Rating: UL94 V-0

SPECIFICATIONS

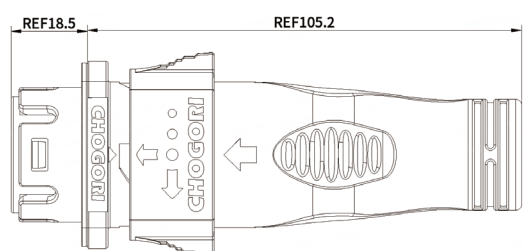
Plug



Panel



Mating Dimension



For E-scooter and E-motorcycle charging and discharging application

APPLICATIONS

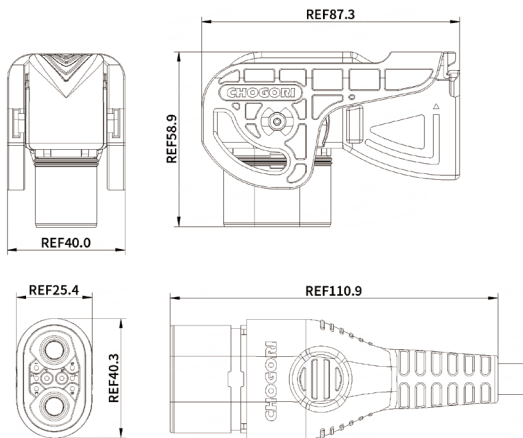
ADVANTAGES

- With mechanical auxiliary lock, easy to plug and unplug in a small space
- Complete range of charging and discharging products
- Narrow width (40mm), suitable for e-motorcycle pedal position applications
- Features a secondary lock to effectively prevent accidental unlocking
- RoHS and REACH compliant
- IPXXB

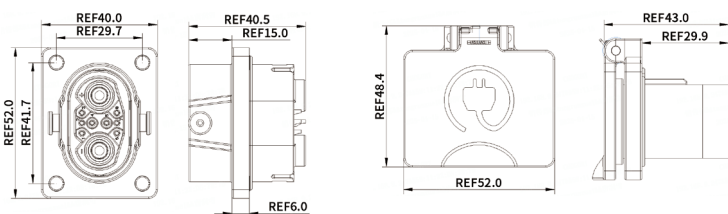


SPECIFICATIONS

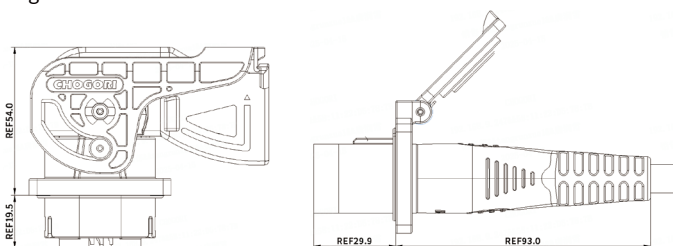
Plug



Panel



Mating Dimension



DIMENSIONS

Mechanical Properties

Mating Cycle: 3000 Cycles

Electrical Properties

Voltage Rating: 300V AC (Power)
100V AC (Signal)

Current Rating: 80A+5A

Withstand Voltage: 1500V AC

Insulation Resistance: 500MΩ at DC 500V

Environmental Properties

IP Rating: IPX7 Mated; IPX7 Panel Side

Operating Temperature: -40°C to 105°C

Salt Spray: 5%NaCl, 48H

Others

Wire Processing:

Crimp (Power) Solder (Signal) / Plug Side
Crimp (Power) Solder(Signal) / Panel Side

Wire Gauge: Power 6AWG / Max
Signal 20AWG / Max

Flammability Rating: UL94 V-0

APPLICATIONS

For E-scooter and E-motorcycle charging and discharging application

ADVANTAGES

- Push-lock mechanism, easy to plug and unplug, with an audible click when locked in place
- 3 locking dots design enhances connection stability in vibrating environments
- Countersunk panel mount solution with 90 degree cable out to reduce the overall height
- RoHS and REACH compliant
- IPXXB, IP67



DIMENSIONS

Mechanical Properties

Mating Cycle: 5000 Cycles

Electrical Properties

Voltage Rating: 125V DC (Power)
80V DC (Signal)

Current Rating: 60A+5A

Peak Current: Power 80A 60S

Withstand Voltage: 1500V AC

Insulation Resistance: 100MΩ at DC 500V

Environmental Properties

IP Rating: IP67 Mated; IP67 Panel Side

Operating Temperature: -40°C to 105°C

Salt Spray: 5%NaCl, 48H

Others

Wire Processing:

Solder / Plug Side Gauge < 8AWG

Crimp (Power) Solder (Signal) / Plug Side Gauge 8AWG

Crimp / Panel Side

Wire Gauge:

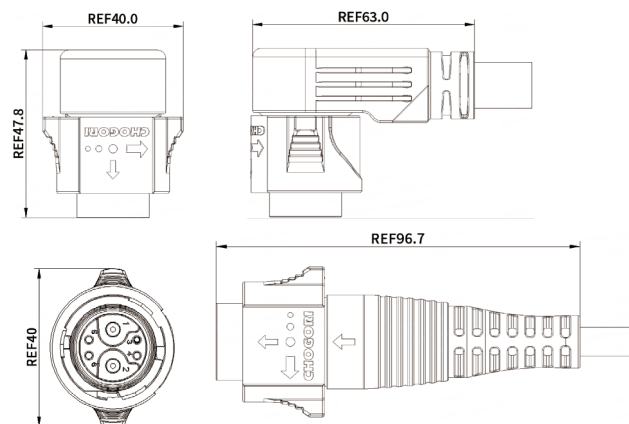
Power 8AWG / Max
Signal 20AWG / Max

Flammability Rating:

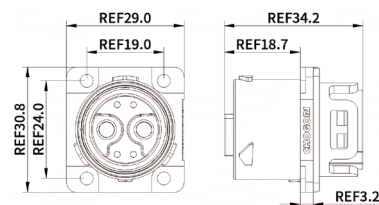
UL94 V-0

SPECIFICATIONS

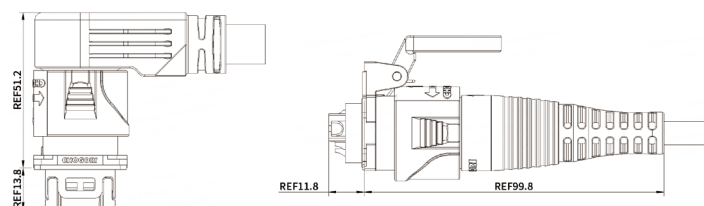
Plug



Panel



Mating Dimension



For E-scooter and E-motorcycle charging and discharging application

APPLICATIONS

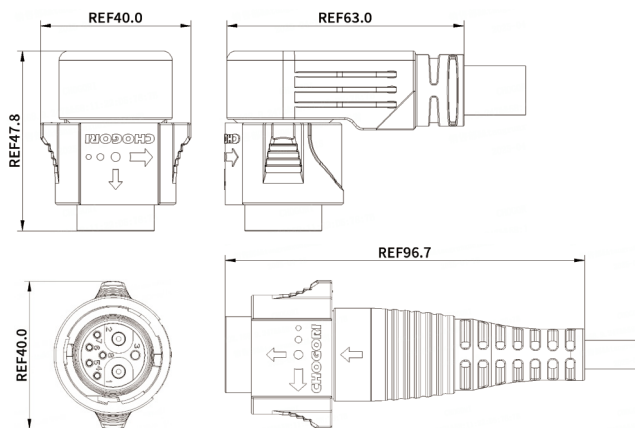
ADVANTAGES



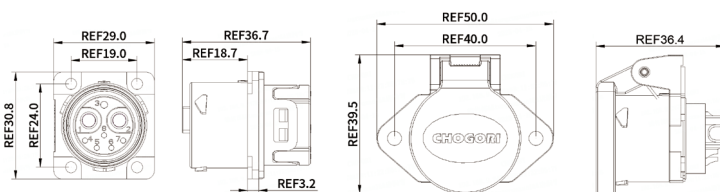
- Push-lock mechanism, easy to plug and unplug, with an audible click when locked in place
- 3 locking dots design enhances connection stability in vibrating environments
- Countersunk panel mount solution with 90 degree cable out to reduce the overall height
- RoHS and REACH compliant
- IPXXB, IP67

SPECIFICATIONS

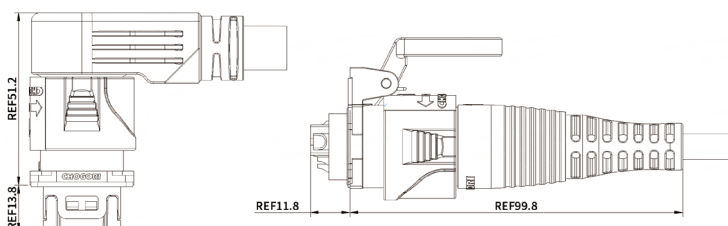
Plug



Panel



Mating Dimension



DIMENSIONS

Mechanical Properties

Mating Cycle: 5000 Cycles

Electrical Properties

Voltage Rating: 125V DC (Power)
80V DC (Signal)

Current Rating: 60A+15A+5A

Peak Current: Power 80A 60S

Withstand Voltage: 1500V AC

Insulation Resistance: 100MΩ at DC 500V

Environmental Properties

IP Rating: IP67 Mated; IP67 Panel Side

Operating Temperature: -40°C to 105°C

Salt Spray: 5%NaCl, 48H

Others

Wire Processing:

Solder (Signal) / Plug Side Gauge < 8AWG
Crimp (Power) Solder (Signal) / Plug Side Gauge 8AWG
Crimp / Panel Side

Wire Gauge:

Power 8AWG / Max
Charger 16AWG / Max
Signal 20AWG / Max

Flammability Rating:

UL94 V-0

APPLICATIONS

For E-scooter and E-motorcycle charging and discharging application

ADVANTAGES

- Push-lock mechanism, easy to plug and unplug, with an audible click when locked in place
- Design IEC60335.1 compliant(Protection against access to live parts+Resistant to bending and flexing
- RoHS and REACH compliant



DIMENSIONS

Mechanical Properties

Mating Cycle: 3000 Cycles

Electrical Properties

Voltage Rating: 125V DC
Current Rating: 60A+5A
Withstand Voltage: 3000V DC
Insulation Resistance: 10MΩ at DC 500V

Environmental Properties

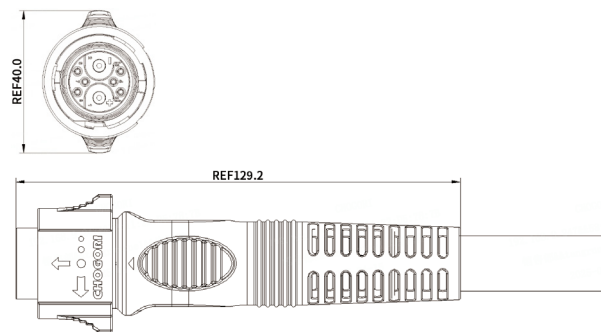
IP Rating: IP67 Mated; IP67 Panel Side
Operating Temperature: -40°C to 85°C
Salt Spray: 5%NaCl, 48H

Others

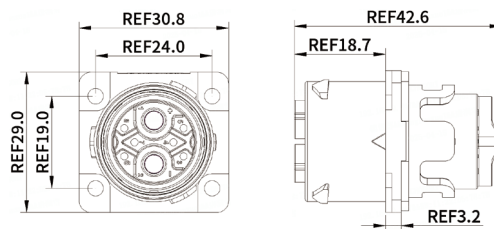
Wire Processing: Crimp
Wire Gauge: Power 7AWG / Max
Signal 20AWG / Max
Flammability Rating: UL94 V-0

SPECIFICATIONS

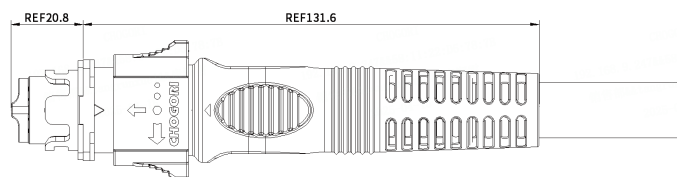
Plug



Panel



Mating Dimension



For E-scooter and E-motorcycle charging and discharging application

APPLICATIONS

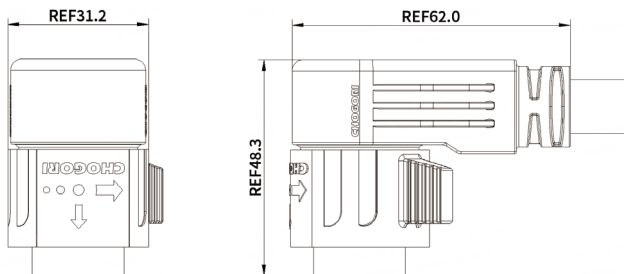
ADVANTAGES



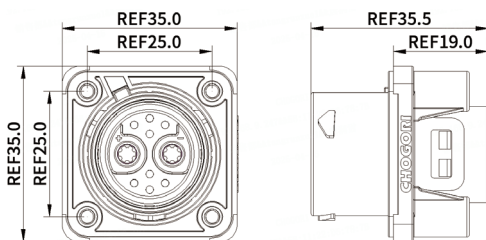
- Push-lock mechanism, easy to plug and unplug, with an audible click when locked in place
- 3 locking dots design enhances connection stability in vibrating environments
- Rear-mounted flange with molding screw, easy to install
- RoHS and REACH compliant
- IPXXB

SPECIFICATIONS

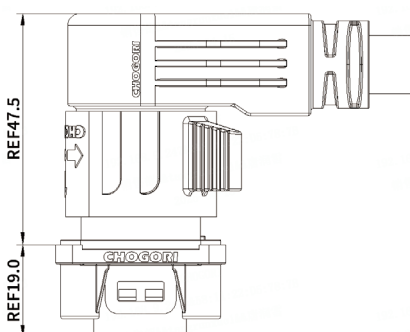
Plug



Panel



Mating Dimension



DIMENSIONS

Mechanical Properties

Mating Cycle: 5000 Cycles

Electrical Properties

Voltage Rating: 80V DC
Current Rating: 50A+5A
Withstand Voltage: 1500V AC
Insulation Resistance: 100MΩ at DC 500V

Environmental Properties

IP Rating: IPX7 Mated; IPX7 Panel Side
Operating Temperature: -40°C to 105°C
Salt Spray: 5%NaCl, 48H

Others

Wire Processing: Solder / Plug Side
Crimp / Panel Side
Wire Gauge: Power 9AWG / Max
Signal 20AWG / Max
Flammability Rating: UL94 V-0

Large 2+4 Pin (40A+5A)

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APPLICATIONS

For E-scooter and E-motorcycle charging and discharging application

ADVANTAGES

- Push-lock mechanism, easy to plug and unplug, with an audible click when locked in place
- Overmold plug meets 10000 times bending test
- Panel mount solution with 90 degree cable out to reduce the overall height
- Lock nut with wings available to make disconnecting easier
- RoHS and REACH compliant



DIMENSIONS

Mechanical Properties

Mating Cycle: 3000 Cycles

Electrical Properties

Voltage Rating: 80V DC
Current Rating: 40A+5A
Withstand Voltage: 1500V AC
Insulation Resistance: 100MΩ at DC 500V

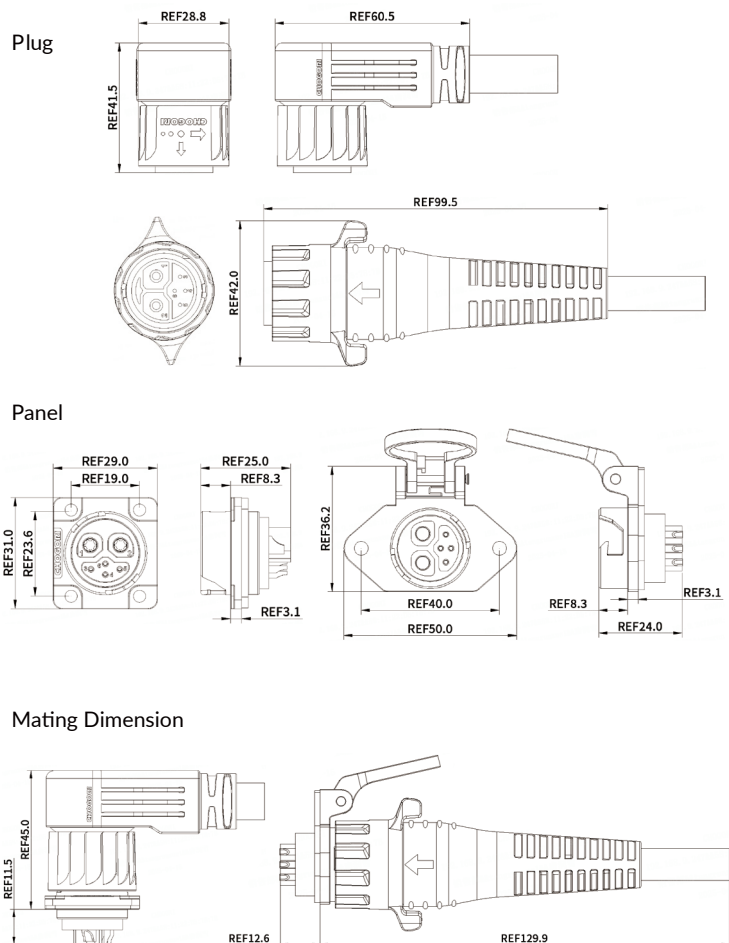
Environmental Properties

IP Rating: IP67 Mated
Operating Temperature: -40°C to 105°C
Salt Spray: 5%NaCl, 48H

Others

Wire Processing: Solder
Wire Gauge: Power 9AWG / Max
Signal 20AWG / Max
Flammability Rating: UL94 V-0

SPECIFICATIONS



For E-scooter and E-motorcycle charging and discharging application

APPLICATIONS

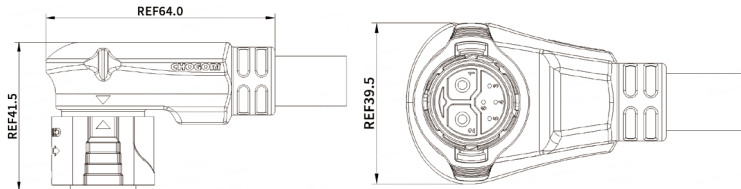
ADVANTAGES

- Push-lock mechanism, easy to plug and unplug, with an audible click when locked in place
- 4 locking dots design enhances connection stability in vibrating environments
- Feature a visual alignment window for accurate mating
- Compatible with Large 2+4
- Ergonomic design
- RoHS and REACH compliant

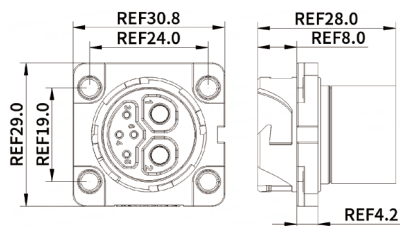


SPECIFICATIONS

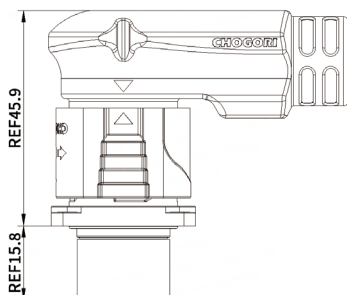
Plug



Panel



Mating Dimension



DIMENSIONS

Mechanical Properties

Mating Cycle: 3000 Cycles

Electrical Properties

Voltage Rating: 300V AC (Power)
80V DC (Signal)

Current Rating: 50A+5A

Withstand Voltage: 2000V AC (Power)
1500V AC (Signal)

Insulation Resistance: 500MΩ at DC 500V

Environmental Properties

IP Rating: IP67 Mated; IPX7 Panel Side

Operating Temperature: -40°C to 105°C

Salt Spray: 5%NaCl, 48H

Others

Wire Processing: Solder

Wire Gauge: Power 9AWG / Max
Signal 20AWG / Max

Flammability Rating: UL94 V-0

Large 2+1+5 Pin (40A+15A+5A)

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APPLICATIONS

For E-scooter and E-motorcycle charging and discharging application

ADVANTAGES

- Push-lock mechanism, easy to plug and unplug, with an audible click when locked in place
- Panel mount solution with 90 degree cable out to reduce the overall height
- Lock nut with wings available to make disconnecting easier
- RoHS and REACH compliant



DIMENSIONS

Mechanical Properties

Mating Cycle: 3000 Cycles

Electrical Properties

Voltage Rating: 80V DC

Current Rating: 40A+15A+5A

Withstand Voltage: 1500V AC

Insulation Resistance: 100MΩ at DC 500V

Environmental Properties

IP Rating: IP67 Mated

Operating Temperature: -40°C to 105°C

Salt Spray: 5%NaCl, 48H

Others

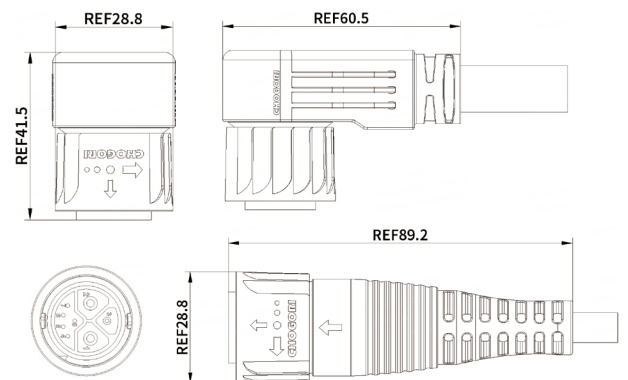
Wire Processing: Solder

Wire Gauge: Power 9AWG / Max
Signal 16AWG / Max
Signal 20AWG / Max

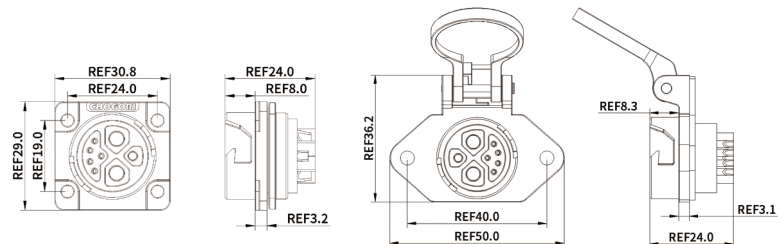
Flammability Rating: UL94 V-0

SPECIFICATIONS

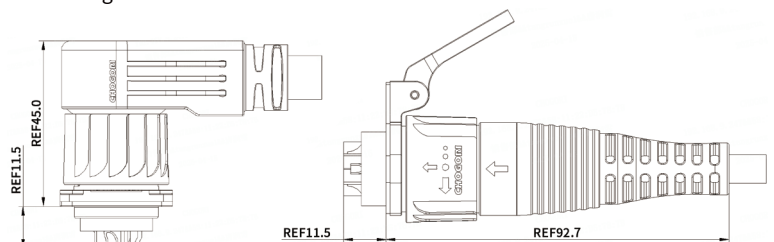
Plug



Panel



Mating Dimension



For E-scooter and E-motorcycle charging and discharging, swappable battery applications

APPLICATIONS

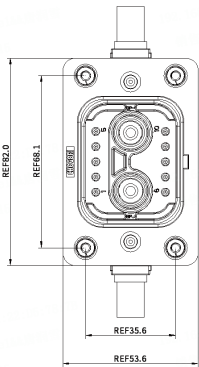
ADVANTAGES



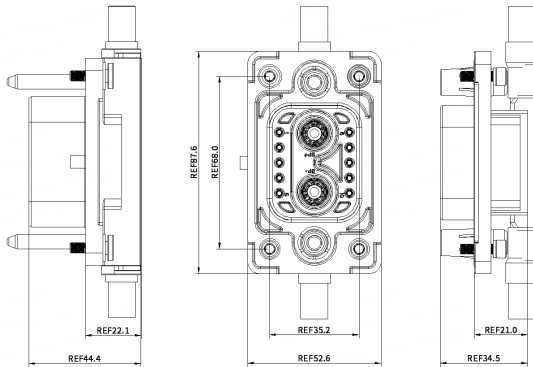
- 2 power + 10 signal pins layout
- 1mm self-floating
- 5.7mm NEWSOK power terminal-Chogori patented technology with high reliability, high current transmission capacity
- RoHS and REACH compliant

SPECIFICATIONS

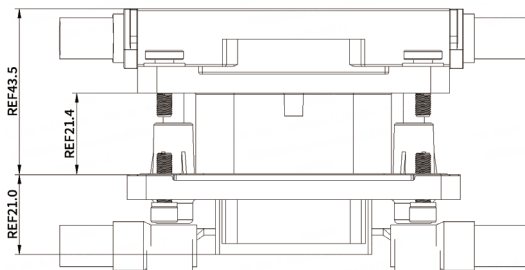
Vehicle Side



Battery Side



Mating Dimension



DIMENSIONS

Mechanical Properties

Mating Cycle: 5000 Cycles

Electrical Properties

Voltage Rating: 80V DC
Current Rating: 100A+5A
Withstand Voltage: 1500V AC
Insulation Resistance: 500MΩ at DC 500V

Environmental Properties

IP Rating: IPX7 Battery Side
Operating Temperature: -40°C to 105°C
Salt Spray: 5%NaCl, 48H

Others

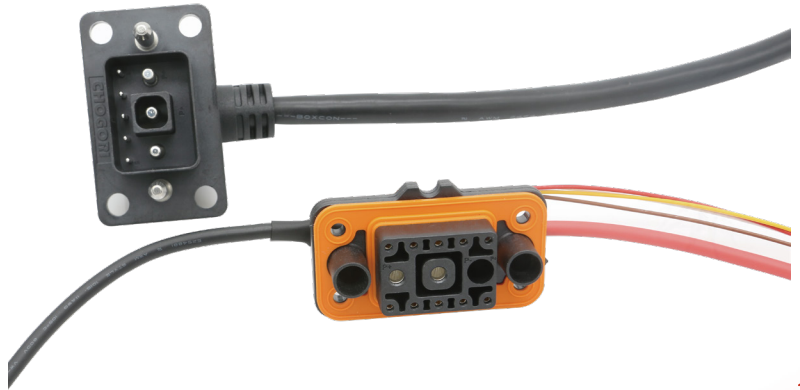
Wire Processing: Crimp
Wire Gauge: Power 25mm² / Max
Signal 20AWG / Max
Flammability Rating: UL94 V-0
Guide Post: Stainless Steel

APPLICATIONS

For E-scooter and E-motorcycle charging and discharging, swappable battery applications

ADVANTAGES

- Vehicle side with self-floating
- Support 180° bi-direction mating
- The end of vehicle-side with overmolding for waterproof protection
- RoHS and REACH compliant
- Battery side: IPXXB



DIMENSIONS

Mechanical Properties

Mating Cycle: 5000 Cycles

Electrical Properties

Voltage Rating: 72V DC

Current Rating: 40A+5A

Withstand Voltage: 1500V AC

Insulation Resistance: 100MΩ at DC 500V

Environmental Properties

IP Rating: IPX5 Mated; IPX7 Panel Side

Operating Temperature: -40°C to 105°C

Salt Spray: 5%NaCl, 48H

Others

Wire Processing:

Crimp (Power) Solder (Signal) / Plug Side
Crimp / Panel Side

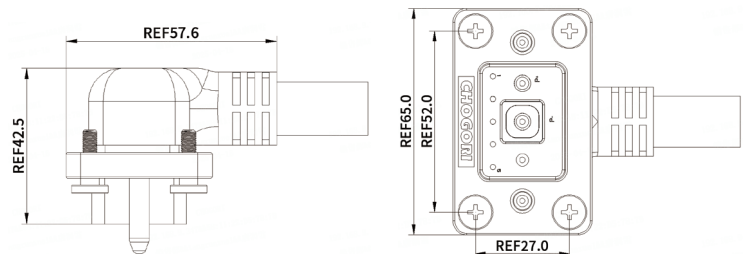
Wire Gauge: Power 10AWG / Max
Signal 20AWG / Max

Flammability Rating: UL94 V-0

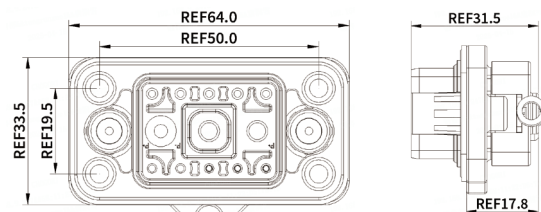
Guide Post: Stainless Steel

SPECIFICATIONS

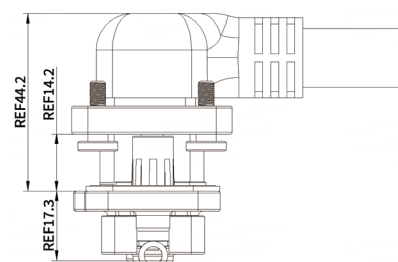
Vehicle Side



Battery Side



Mating Dimension

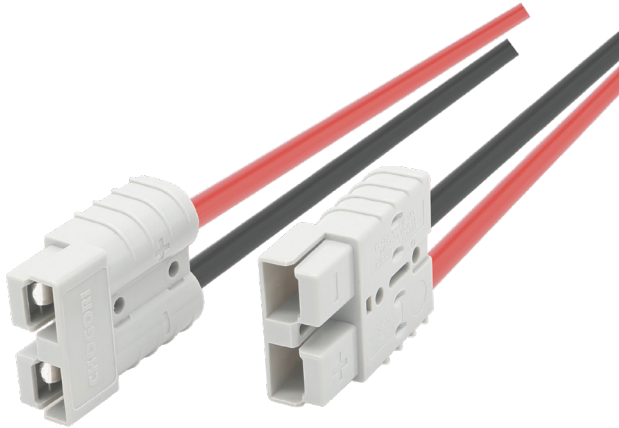


For E-scooter and E-motorcycle charging and discharging application

APPLICATIONS

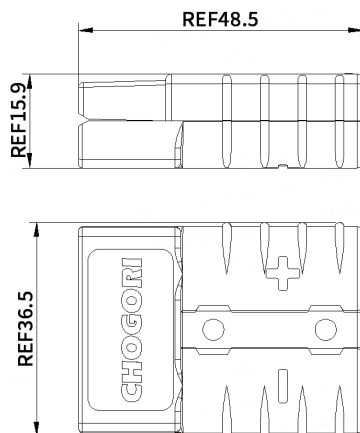
ADVANTAGES

- Genderless interchangeable design
- CKD design
- Cost effective
- Small form factor
- High current in line connector
- RoHS and REACH compliant

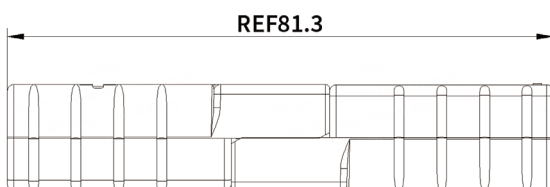


SPECIFICATIONS

Plug



Mating Dimension



DIMENSIONS

Mechanical Properties

Mating Cycle: 10000 Cycles

Electrical Properties

Voltage Rating: 600V AC
Current Rating: 50A
Withstand Voltage: 2200V AC
Insulation Resistance: 100MΩ at DC 500V

Environmental Properties

Operating Temperature: -20°C to 105°C
Salt Spray: 5%NaCl, 48H

Others

Wire Processing: Crimp
Wire Gauge: 6.0 mm² / Max
Flammability Rating: UL94 V-0

APPLICATIONS

For E-scooter and E-motorcycle charging application, for assembly type cable application

ADVANTAGES

- Push and press for locking and unlocking, easy to use
- Small form factor, easy to carry
- CKD design
- With micro switch
- Ergonomic design
- IS 17017_2_6/IEC 62196-6 standard interface
- RoHS and REACH compliant



DIMENSIONS

Mechanical Properties

Mating Cycle: 10000 Cycles

Electrical Properties

Voltage Rating: 120V DC (Power)
30V DC (Signal)

Current Rating: 25A+2A

Withstand Voltage: 2000V AC (Power)
500V AC (Signal)

Insulation Resistance: 100MΩ at DC 500V

Environmental Properties

IP Rating: IP55 Mated

Operating Temperature: -40°C to 105°C

Salt Spray: 5%NaCl, 48H

Others

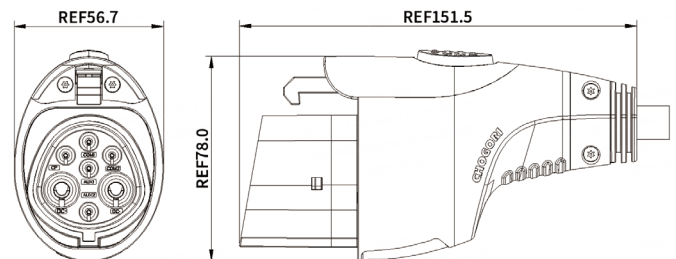
Wire Processing: Crimp

Wire Gauge: Power 12AWG / Max
Signal 20AWG / Max

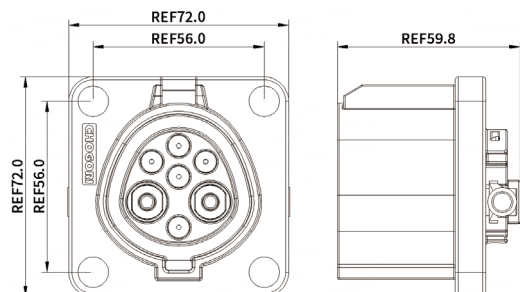
Flammability Rating: UL94 V-0

SPECIFICATIONS

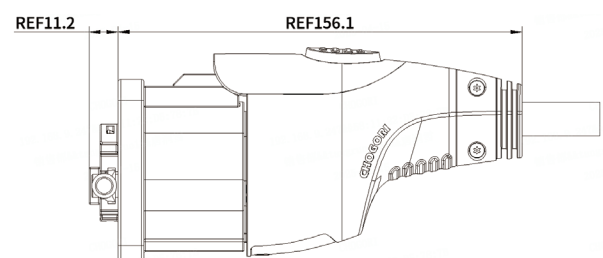
Charging Gun



Charging Inlet



Mating Dimension



For E-scooter and E-motorcycle charging application, for assembly type cable application

APPLICATIONS

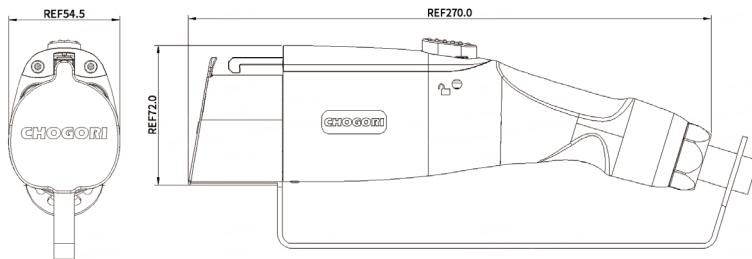
ADVANTAGES



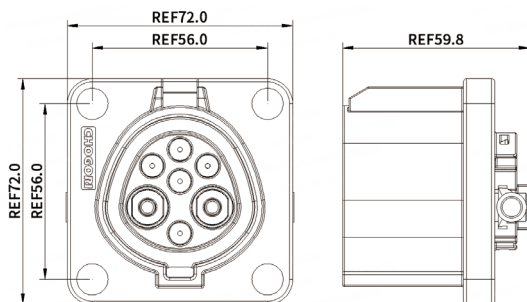
- Push and press for locking and unlocking, easy to use
- CKD design
- Mechanical lock or microswitch option
- Compliant with IS 17017_2_6/ IEC 62196-6
- Ergonomic design
- RoHS and REACH compliant

SPECIFICATIONS

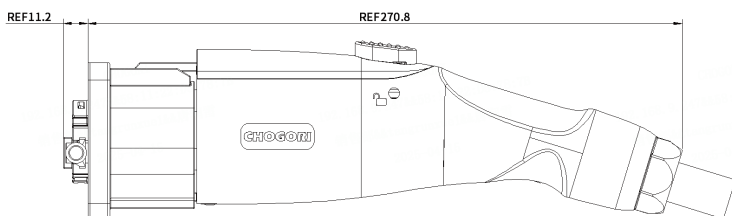
Charging Gun



Charging Inlet



Mating Dimension



DIMENSIONS

Mechanical Properties

Mating Cycle: 10000 Cycles

Electrical Properties

Voltage Rating: 120V DC (Power)
30V DC (Signal)

Current Rating: 100A+2A

Withstand Voltage: 2000V AC (Power)
500V AC (Signal)

Insulation Resistance: 100MΩ at DC 500V

Environmental Properties

IP Rating: IP55 Mated; IP55 Charging Gun Side

Operating Temperature: -40°C to 105°C

Salt Spray: 5%NaCl, 48H

Others

Wire Processing: Crimp

Wire Gauge: Power 16mm² / Max
Signal 20AWG / Max

Flammability Rating: UL94 V-0

APPLICATIONS

For E-scooter and E-motorcycle charging and discharging application

ADVANTAGES

- Push-lock mechanism, easy to plug and unplug, with an audible click when locked in place
- RoHS and REACH compliant



DIMENSIONS

Mechanical Properties

Mating Cycle: 500 Cycles

Electrical Properties

Voltage Rating: 300V DC
Current Rating: 20A
Withstand Voltage: 2000V AC
Insulation Resistance: 100MΩ at DC 500V

Environmental Properties

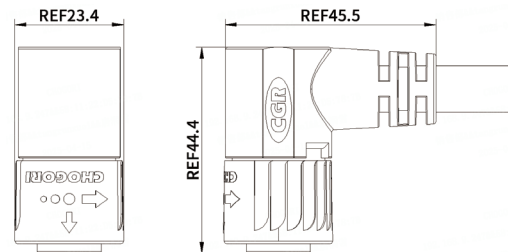
IP Rating: IP67 Mated
Operating Temperature: -40°C to 105°C
Salt Spray: 5%NaCl, 48H

Others

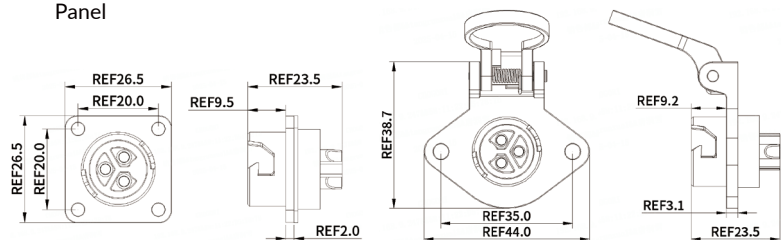
Wire Processing: Solder
Wire Gauge: 14AWG / Max
Flammability Rating: UL94 V-0

SPECIFICATIONS

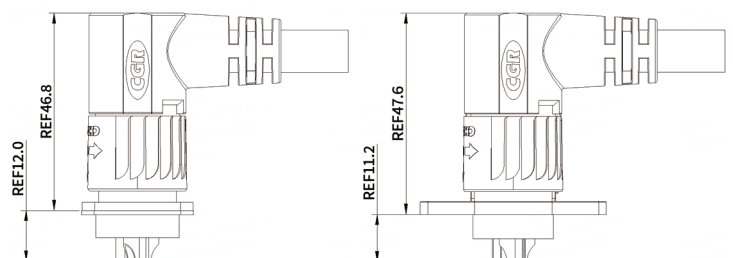
Plug



Panel



Mating Dimension



For E-scooter and E-motorcycle charging and discharging application

APPLICATIONS

ADVANTAGES

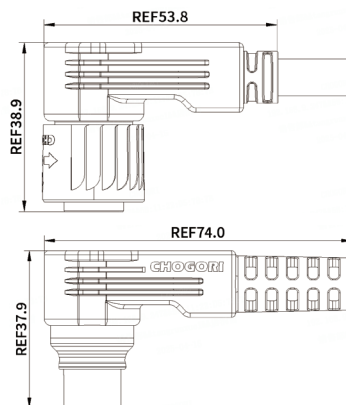
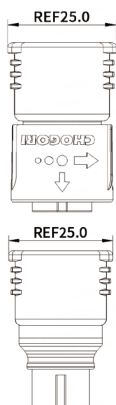
- Power and signal wires combination
- Push-lock mechanism, easy to plug and unplug, with an audible click when locked in place
- RoHS and REACH compliant



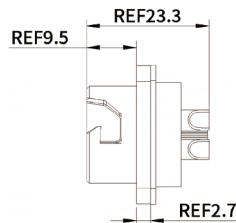
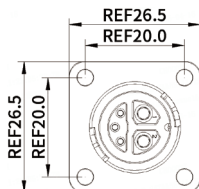
SPECIFICATIONS

DIMENSIONS

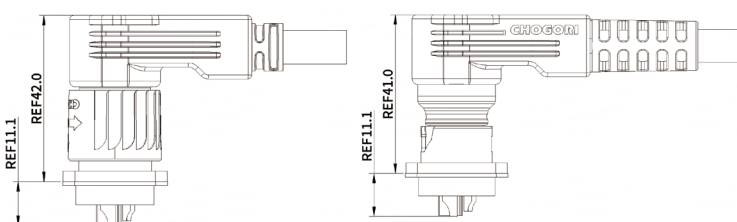
Plug



Panel



Mating Dimension



Mechanical Properties

Mating Cycle: 500 Cycles

Electrical Properties

Voltage Rating: 300V DC
Current Rating: 20A+5A
Withstand Voltage: 2000V AC
Insulation Resistance: 100MΩ at DC 500V

Environmental Properties

IP Rating: IP67 Mated
Operating Temperature: -40°C to 105°C
Salt Spray: 5%NaCl, 48H

Others

Wire Processing: Solder
Wire Gauge: Power 14AWG / Max
Signal 20AWG / Max
Flammability Rating: UL94 V-0

APPLICATIONS

For E-scooter and E-motorcycle charging and discharging application, cable solution

ADVANTAGES

- Metal nut connection, smooth feeling
- Power and signal wires combination
- Overmold structure, clean and flexible
- RoHS and REACH compliant



DIMENSIONS

Mechanical Properties

Mating Cycle: 200 Cycles

Electrical Properties

Voltage Rating: 32V AC

Current Rating: 15A+2A

Withstand Voltage: 650V AC

Insulation Resistance: 100MΩ at DC 500V

Environmental Properties

IP Rating: IP67 Mated

Operating Temperature: -25°C to 85°C

Salt Spray: 5%NaCl, 48H

Others

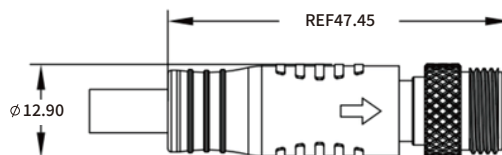
Wire Processing: Solder

Wire Gauge: Power 16AWG / Max
Signal 24AWG / Max

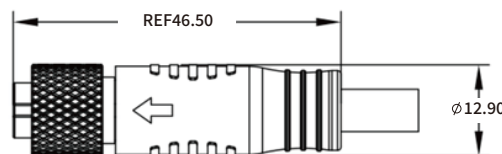
Flammability Rating: UL94 V-0

SPECIFICATIONS

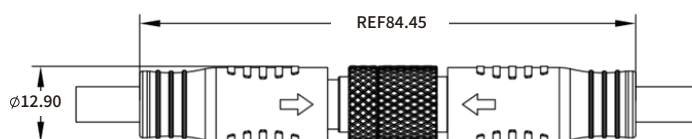
Male Plug



Female Plug



Mating Dimension





Signal Connectors

APPLICATIONS

Signal connectors for harsh environments

ADVANTAGES

- Quick connect and disconnect
- Small size
- Overmold structure, clean and flexible
- RoHS and REACH compliant



DIMENSIONS

Mechanical Properties

Mating Cycle: 200 Cycles

Electrical Properties

Voltage Rating: 48V AC / 60V DC

Current Rating: 2A

Withstand Voltage: 500V AC

Insulation Resistance: 20MΩ at DC 250V

Environmental Properties

IP Rating: IP66 Mated

Operating Temperature: -25°C to 80°C

Salt Spray: 5%NaCl, 48H

Others

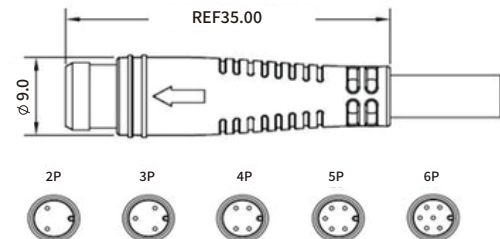
Wire Processing: Solder

Wire Gauge: 2-4 Pin 24AWG / Max
5-6 Pin 26AWG / Max

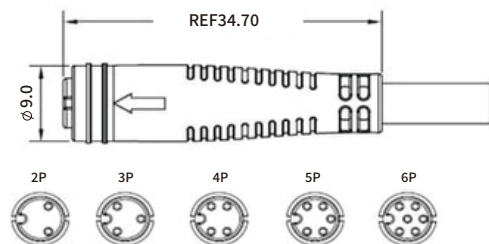
Flammability Rating: UL94 V-0

SPECIFICATIONS

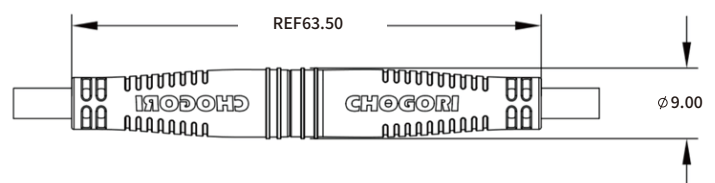
Male Plug



Female Plug



Mating Dimension



Signal connectors for harsh environments

APPLICATIONS

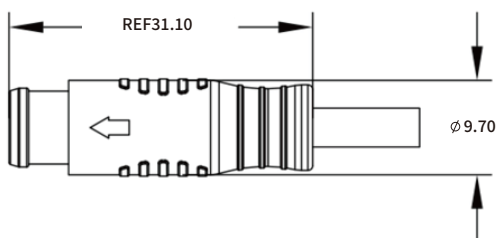
ADVANTAGES

- Quick connect
- Small size
- Overmold structure, clean and flexible
- RoHS and REACH compliant

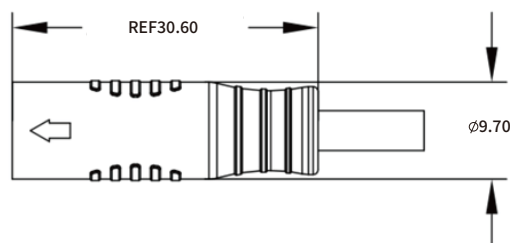


SPECIFICATIONS

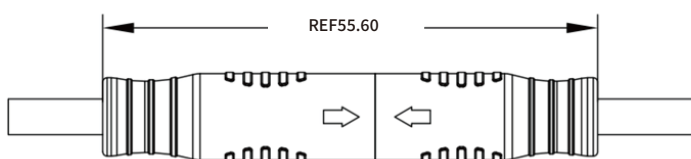
Male Plug



Female Plug



Mating Dimension



DIMENSIONS

Mechanical Properties

Mating Cycle: 200 Cycles

Electrical Properties

Voltage Rating: 48V AC / 60V DC
 Current Rating: 2A
 Withstand Voltage: 500V AC
 Insulation Resistance: 20MΩ at DC 500V

Environmental Properties

IP Rating: IP66 Mated
 Operating Temperature: -25°C to 80°C
 Salt Spray: 5%NaCl, 48H

Others

Wire Processing: Solder
 Wire Gauge: 24AWG / Max
 Flammability Rating: UL94-HB

APPLICATIONS

Signal connectors for harsh environments

ADVANTAGES



- Quick connect
- Small size
- Overmold structure, clean and flexible
- RoHS and REACH compliant

DIMENSIONS

Mechanical Properties

Mating Cycle: 200 Cycles

Electrical Properties

Voltage Rating: 48V AC / 60V DC

Current Rating: 2A

Withstand Voltage: 250V AC

Insulation Resistance: 20MΩ at DC 250V

Environmental Properties

IP Rating: IPX7 Mated

Operating Temperature: -25°C to 85°C

Salt Spray: 5%NaCl, 48H

Others

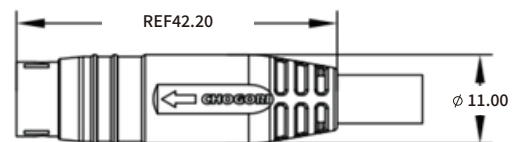
Wire Processing: Solder

Wire Gauge: 26AWG / Max

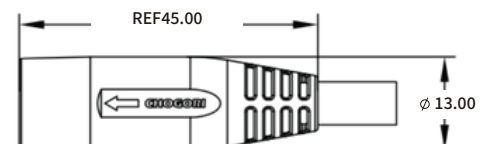
Flammability Rating: UL94 V-0

SPECIFICATIONS

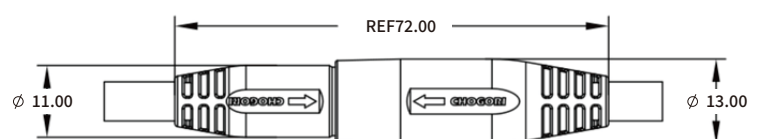
Male Plug



Female Plug



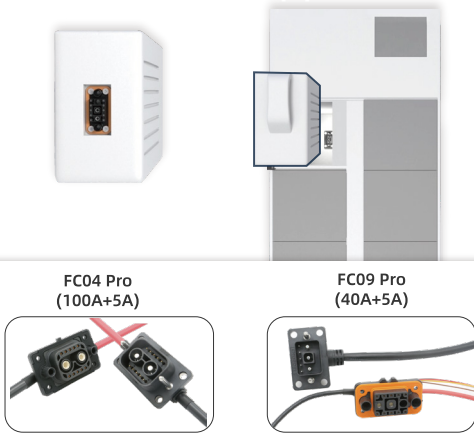
Mating Dimension



APPLICATIONS

Swappable Battery Connectors

Bottom Connectors



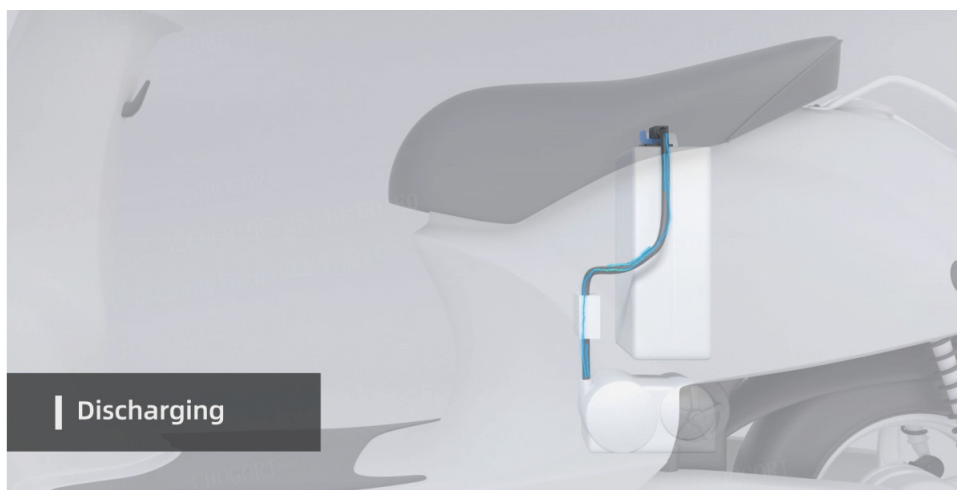
Top Connectors



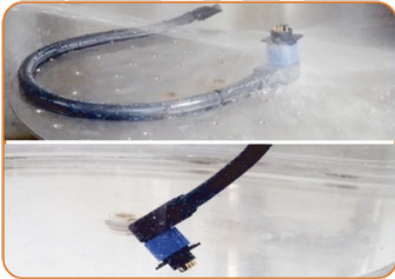
On/off-Board Charging Connectors



Discharging



HIGH RELIABILITY CONNECTION SYSTEM



High pressure spray and waterproof test



Vibration test



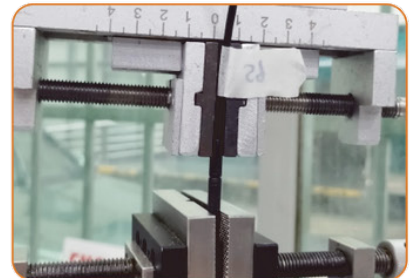
High and low temperature test



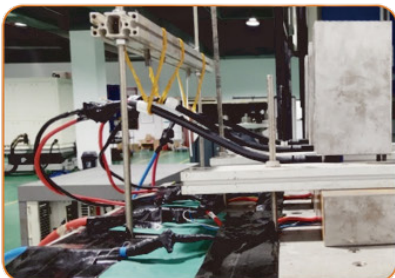
Wire bending test



Plug and remove life test



Insertion and removal force test



Temperature rise test



Machine working equipment



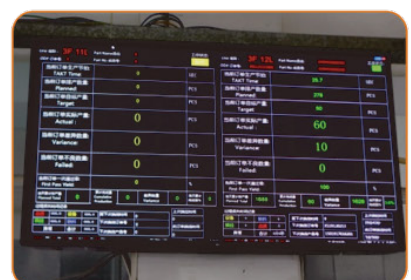
Automated connector production equipment



House of lean manufacturing



U-shaped production line



Kanban system



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