

合里机密文档，请勿违规使用

CHOGORI



合里机密文档，请勿违规使用

E-BIKE

合里机密文档，请勿违规使用

CONNECTION SOLUTIONS



Orders Centre



Production Line



Machine



Storage



44,000 m²



1000+ Members



2 Facilities
Dongguan & Thailand



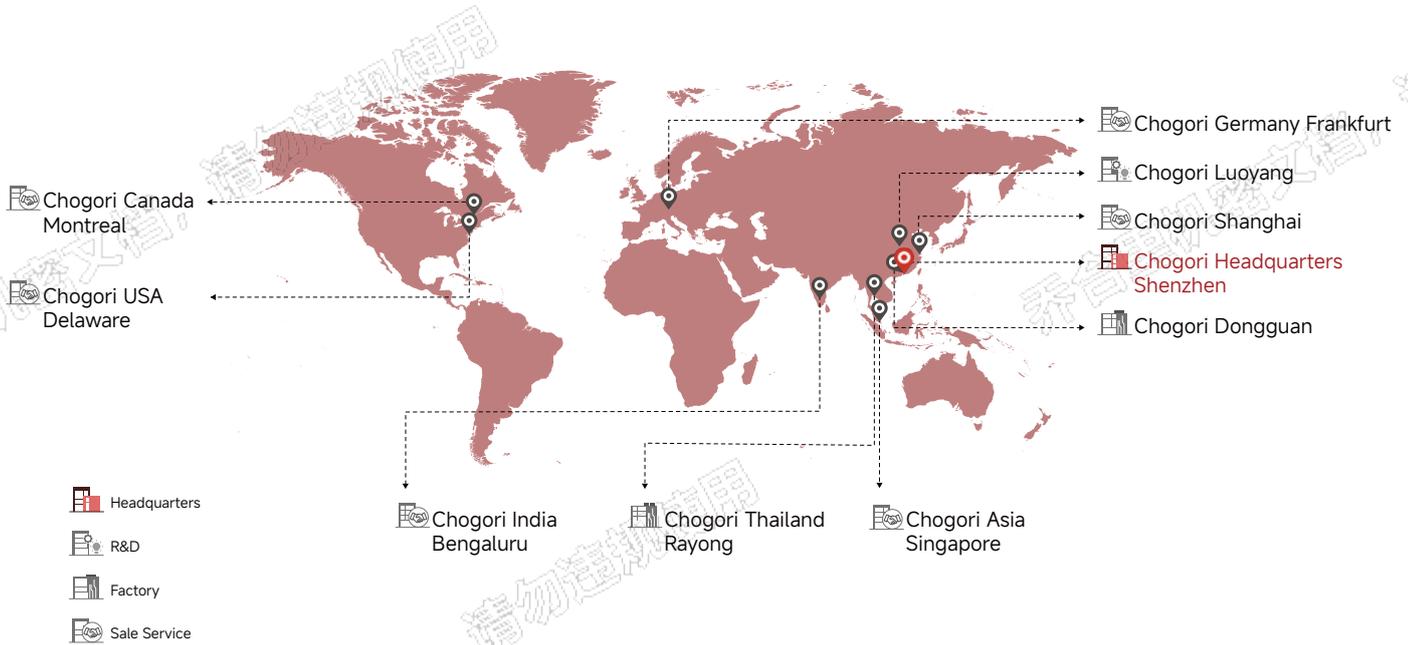
10M Sets
Monthly Capacity

About Us

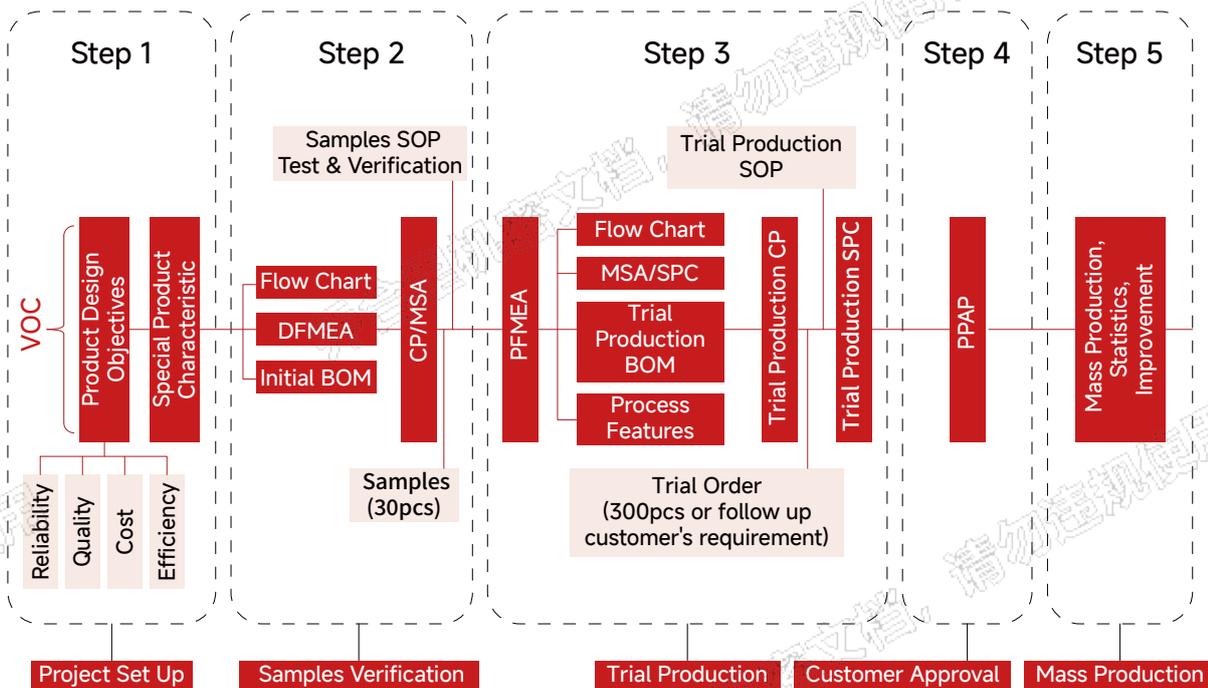
CHOGORI founded in 2007, our products are used in a wide variety of harsh-industrial and outdoor applications in the areas of Electric Scooters, Electric Bicycles, Electric Emerging Markets, Electrical Outdoors, which require connectors and cables to be robust, dust-proof and waterproof.

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.



CHOGORI CONNECTION SOLUTIONS FOR E-BIKE



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AD01 2 Pin (50A)

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APPLICATIONS

For Charging & Discharging Use, Cable to Cable Solution, 2Pin



ADVANTAGES

- High current for power interface
- Small and compact
- IP67 robust overmold type
- Durable, electrically and mechanically
- Stable connection in vibrating environment
- Blind mating and quick connect

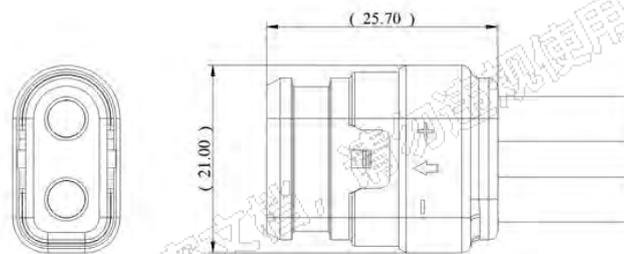
SPECIFICATIONS

Pin Number: 2Pin
Rated Current: 50A
Rated Operating Voltage: 48V AC /60V DC
Withstand Voltage: 1000V AC
Insulation Resistance (With Cable): 20MΩ Min@500VDC

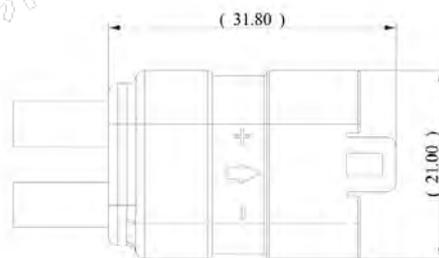
Operating Temperature: - 40°C to 105°C
IP Rating: IP67
Mechanical Life: 100 Cycles Min (Without Load)
Contact Material: Copper Alloy, Gold Plated
Proposed Wire Specification: 10AWG / 5.0mm²

DIMENSIONS

Female Plug



Male Plug



M12 2+3 Pin (20A+2A)

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APPLICATIONS

For Charging & Discharging Use, Cable to Cable Solution, 2Pin+3Pin



ADVANTAGES

- Metal nut reliable connection
- Power & signal hybrid combination
- IP67 robust overmolded type
- Durable, electrically and mechanically
- Stable connection in vibrating environment

SPECIFICATIONS

Pin Number: 2Pin+3Pin

Rated Current: 20A+2A

Rated Operating Voltage: 48V AC / 60V DC

Withstand Voltage: 1000V AC

Insulation Resistance (With Cable): 20MΩ Min@500VDC

Operating Temperature: - 25°C to 85°C

IP Rating: IP67

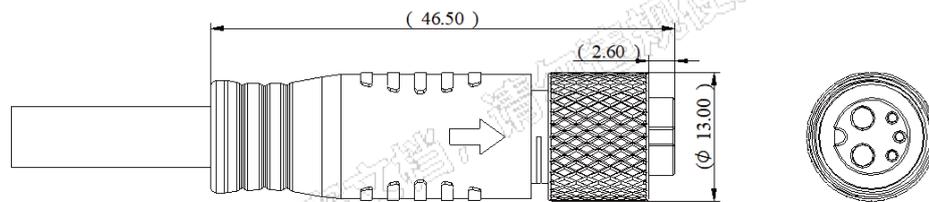
Mechanical Life: 200 Cycles Min (Without Load)

Contact Material: Copper Alloy, Gold Plated

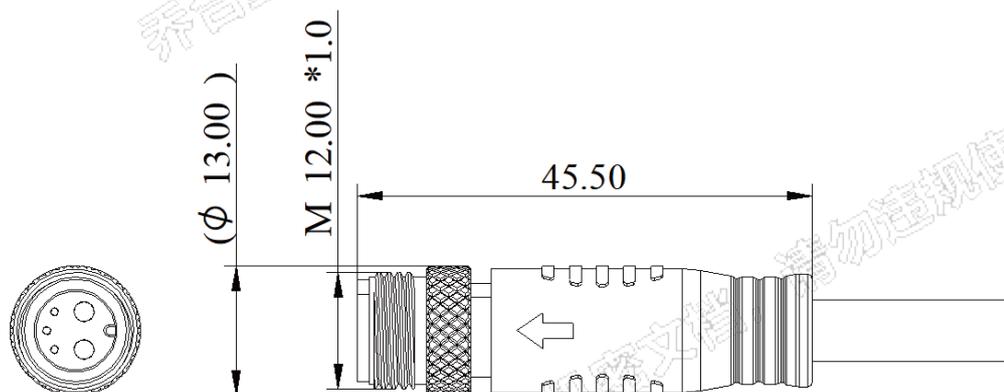
Proposed Wire Specification: 14AWG / 2.0mm² + 22AWG / 0.32mm²

DIMENSIONS

Female Plug



Male Plug



Middle 2+3 Pin (20A+5A)

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APPLICATIONS

For Charging & Discharging Use, Cable to Panel Solution, 2Pin+3Pin



ADVANTAGES

- Push lock
- Power & signal hybrid combination
- IP67 robust overmolded type
- ≥ 2000 times mating cycles
- Stable connection in vibrating environment

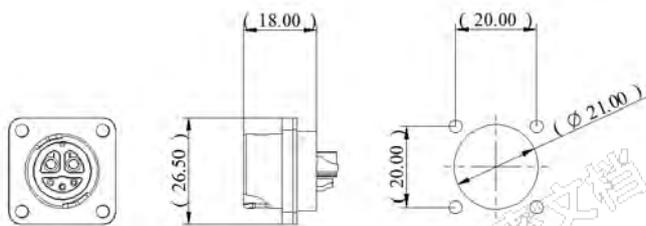
SPECIFICATIONS

Pin Number: 2Pin+ 3Pin
Rated Current: 20A+5A
Rated Operating Voltage: 210V AC /300V DV
Withstand Voltage: 2000V AC
Insulation Resistance (With Cable): 100M Ω Min@500VDC

Operating Temperature: - 40°C to 105°C
IP Rating: IP67
Mechanical Life: 2000 Cycles Min (Without Load)
Contact Material: Copper Alloy, Gold Plated
Proposed Wire Specification: 14AWG / 2.0mm² + 22AWG / 0.32mm²

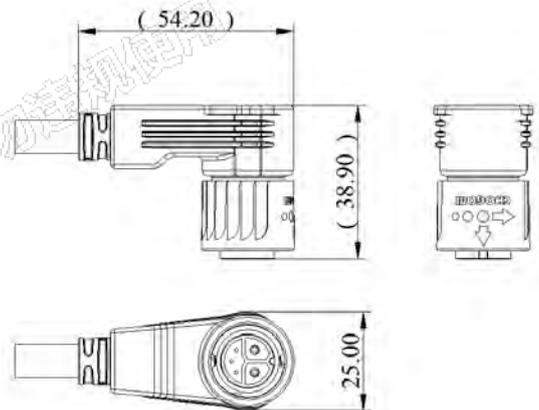
DIMENSIONS

Female Plug



Recommended panel thickness:
2mm MAX

Male Plug



OPTIONS/ MATING PARTS

Rhombus Shape Receptacle



Receptacle With Overmold



Right Angle Plug Without Lock Nut



Waterproof Cap



Coral 2+6 Pin 90° (15A+2A)

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APPLICATIONS

For Charging & Discharging Use, Cable to Panel Solution, 2Pin+6Pin



ADVANTAGES

- Quick lock
- Power & signal hybrid combination
- IP67 robust overmolded type
- ≥ 1000 times mating cycles
- Stable connection in vibrating environment
- Waterproof protective cap

SPECIFICATIONS

Pin Number: 2Pin+ 6Pin

Rated Current: 15A+2A

Rated Operating Voltage: 48V AC /60V DC

Withstand Voltage: 500V AC

Insulation Resistance (With Cable) : 20M Ω Min@500VDC

Operating Temperature: -40°C to 85°C

IP Rating: IP67

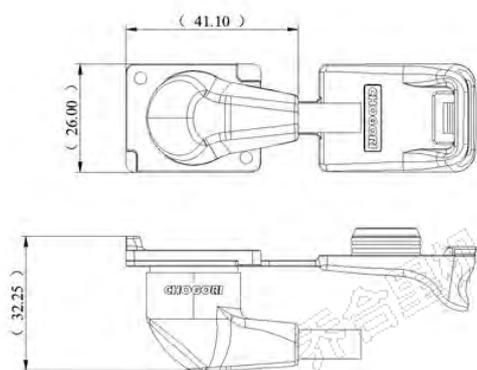
Mechanical Life: 1000 Cycles Min (Without Load)

Contact Material: Copper Alloy, Gold Plated

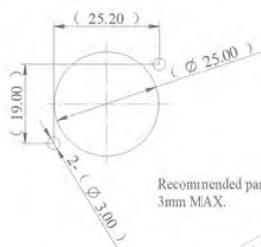
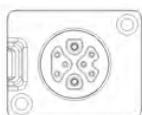
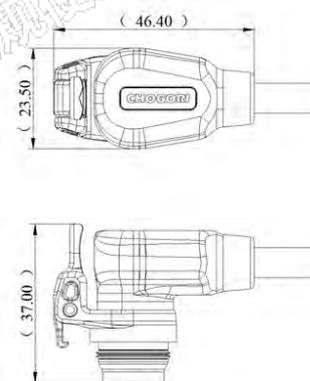
Proposed Wire Specification: 16AWG / 1.31mm² + 26AWG / 0.12mm²

DIMENSIONS

Female Plug



Male Plug



Recommended panel thickness:
3mm MAX.

Micro-A 2+2 Pin (10A+2A)

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APPLICATIONS

For Motor Use, Cable to Panel Solution, 2Pin+2Pin



ADVANTAGES

- Small and compact
- Power & signal hybrid combination
- IP66 robust overmolded type
- Durable, electrically and mechanically
- Stable connection in vibrating environment

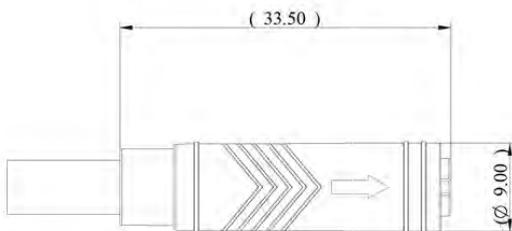
SPECIFICATIONS

Pin Number: 2Pin+ 2Pin
Rated Current: 10A+2A
Rated Operating Voltage: 48V AC /60V DC
Withstand Voltage: 700V AC
Insulation Resistance (With Cable) : 20MΩ Min @500VDC

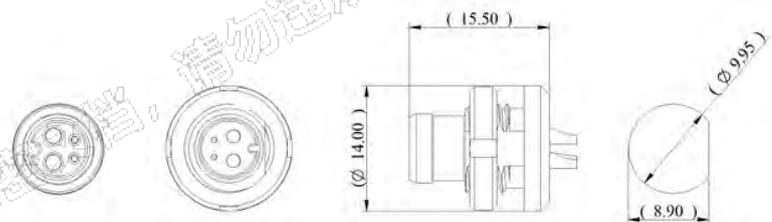
Operating Temperature: -25°C to 80°C
IP Rating: IP66
Mechanical Life: 200 Cycles Min (Without Load)
Contact Material: Copper Alloy, Gold Plated
Proposed Wire Specification: 18AWG / 0.82mm² + 26AWG / 0.12mm²

DIMENSIONS

Female Plug



Male Plug



Recommended panel thickness:
2mm MAX.

OPTIONS/ MATING PARTS

Rear Type Male Panel



Dream 3+6 Pin (18A+3A)

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APPLICATIONS

For Motor Use, Cable to Cable Solution, 3Pin+6Pin



ADVANTAGES

- Small and compact
- Power & signal hybrid combination
- IP66 robust overmold type
- Durable, electrically and mechanically
- Stable connection in vibrating environment

SPECIFICATIONS

Pin Number: 3Pin+6Pin

Rated Current: 18A+3A

Rated Operating Voltage: 48V AC /60V DC

Withstand Voltage: 700V AC

Insulation Resistance (With Cable): 20MΩ Min @500VDC

Operating Temperature: - 25°C to 80°C

IP Rating: IP66

Mechanical Life: 200 Cycles Min (Without Load)

Contact Material: Copper Alloy, Gold Plated

Proposed Wire Specification: 16AWG / 1.31mm² + 24AWG / 0.2mm²

DIMENSIONS

Female Plug

Male Plug



OPTIONS/ MATING PARTS

Male Plug Dust-Proof Protective Cap



Dream 3+8 Pin (16A+2A)

CHOGORI

APPLICATIONS

For Motor Use, Cable to Cable Solution, 3Pin+ 8Pin



ADVANTAGES

- Small and compact
- Power & signal hybrid combination
- IP66 robust overmold type
- Durable, electrically and mechanically
- Stable connection in vibrating environment

SPECIFICATIONS

Pin Number: 3Pin+8Pin

Rated Current: 16A+2A

Rated Operating Voltage: 48V AC /60V DC

Withstand Voltage: 500V AC

Insulation Resistance (With Cable): 20MΩ Min@250VDC

Operating Temperature: - 25°C to 80°C

IP Rating: IP66

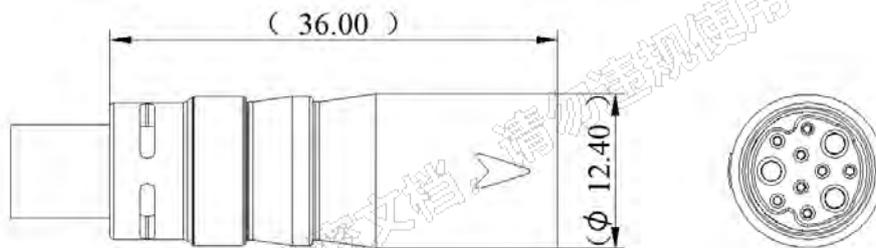
Mechanical Life: 200 Cycles Min (Without Load)

Contact Material: Copper Alloy, Gold Plated

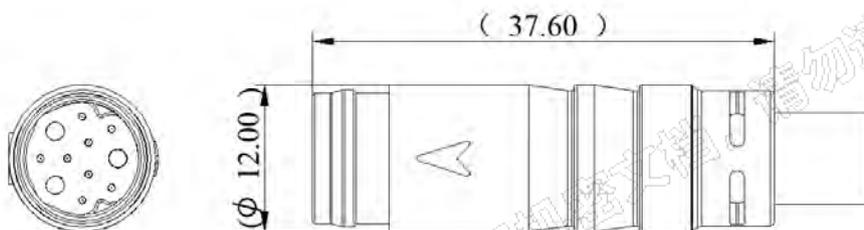
Proposed Wire Specification: 16AWG / 1.31mm² + 26AWG / 0.12mm²

DIMENSIONS

Female Plug



Male Plug



TX-2 Pin (3A)

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APPLICATIONS

For Signal Use, Cable to Cable Solution, 2Pin



ADVANTAGES

- Quick lock
- Small and compact
- Allow 360-degree blind insertion
- IP66 robust overmolded type
- Stable connection in vibrating environment
- RoHS, REACH, HF, CP65 compliant

SPECIFICATIONS

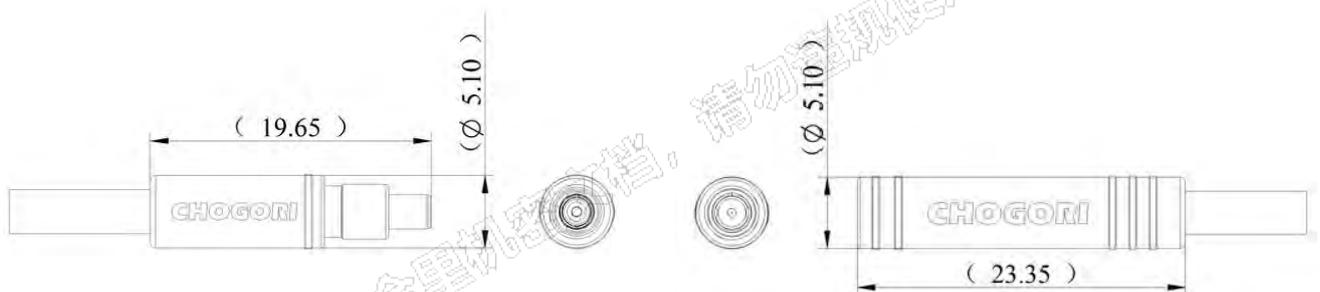
Pin Number: 2Pin
Rated Current: 3A
Rated Operating Voltage: 48V AC /60V DC
Withstand Voltage: 500V AC
Insulation Resistance (With Cable): 20MΩ Min@500VDC

Operating Temperature: - 25°C to 80°C
IP Rating: IP66
Mechanical Life: 200 Cycles Min (Without Load)
Contact Material: Copper Alloy, Gold Plated
Proposed Wire Specification: 26AWG / 0.12mm²

DIMENSIONS

Female Plug

Male Plug



OPTIONS/ MATING PARTS

Male Plug Waterproof Protective Cap



Pico A 4~6 Pin (2A)

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APPLICATIONS

For Signal Use, Cable to Cable Solution, 4~6Pin



ADVANTAGES

- Quick lock
- Small and compact
- Poka-yoke design on contact surface
- IP67 robust overmolded type
- Stable connection in vibrating environment
- RoHS, REACH, HF

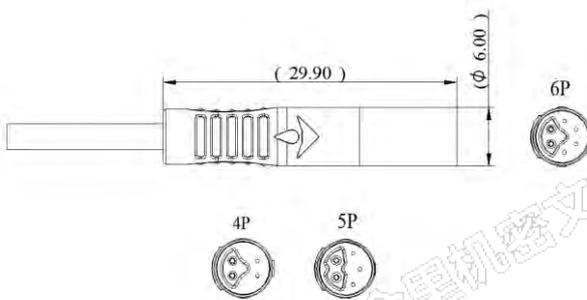
SPECIFICATIONS

Pin Number: 4~6Pin
Rated Current: 2A
Rated Operating Voltage: 48V AC /60V DC
Withstand Voltage: 500V AC
Insulation Resistance (With Cable): 10MΩ Min@500VDC

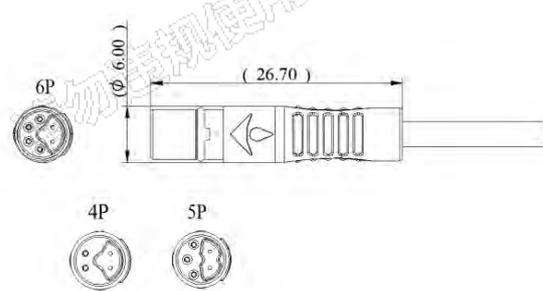
Operating Temperature: - 25°C to 80°C
IP Rating: IP67
Mechanical Life: 100 Cycles Min (Without Load)
Contact Material: Copper Alloy, Gold Plated
Proposed Wire Specification: 28AWG / 0.08mm²

DIMENSIONS

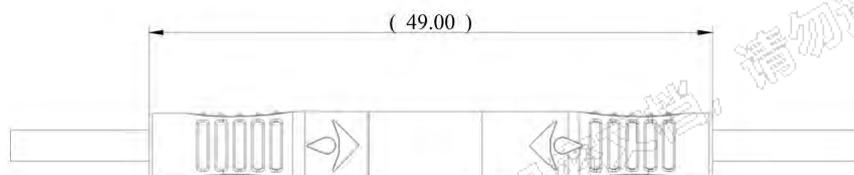
Female Plug



Male Plug



MATING CONDITION



Pico B 2~3 Pin (2A)

CHOGORI

APPLICATIONS

For Signal Use, Cable to Cable Solution, 2~3Pin



ADVANTAGES

- Quick lock
- Small and compact
- Poka-yoke design on contact surface
- IP67 robust overmolded type
- Stable connection in vibrating environment
- RoHS, REACH, HF

SPECIFICATIONS

Pin Number: 2~3Pin

Rated Current: 2A

Rated Operating Voltage: 48V AC /60V DC

Withstand Voltage: 500V AC

Insulation Resistance (With Cable): 20MΩ Min@500VDC

Operating Temperature: - 25°C to 80°C

IP Rating: IP67

Mechanical Life: 100 Cycles Min (Without Load)

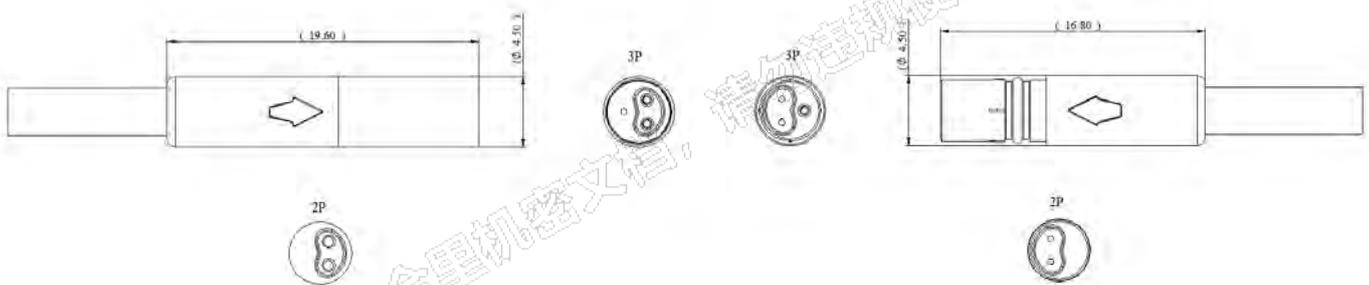
Contact Material: Copper Alloy, Gold Plated

Proposed Wire Specification: 28AWG / 0.08mm²

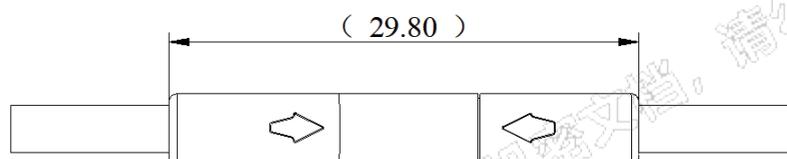
DIMENSIONS

Female Plug

Male Plug



MATING CONDITION



Nano 2 Pin (2A)

CHOGORI

APPLICATIONS

For Signal Use, Cable to Panel Solution, 2Pin



ADVANTAGES

- Quick lock
- Small and compact
- Poka-yoke design on contact surface
- IP66 robust overmolded type
- Stable connection in vibrating environment
- RoHS, REACH, HF

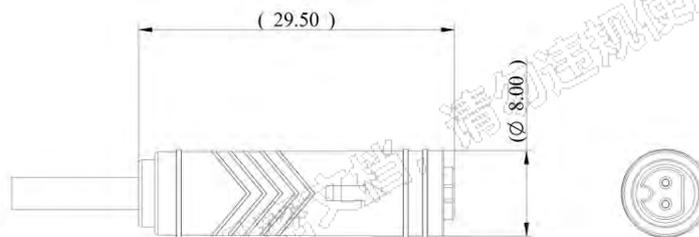
SPECIFICATIONS

Pin Number: 2Pin
Rated Current: 2A
Rated Operating Voltage: 48V AC / 60V DC
Withstand Voltage: 500V AC
Insulation Resistance (With Cable) : 20MΩ Min@500VDC

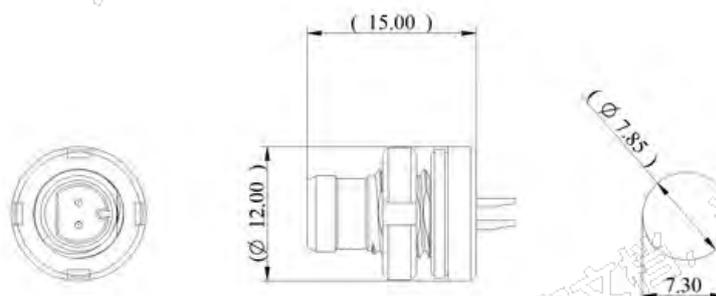
Operating Temperature: -25°C to 80°C
IP Rating: IP66
Mechanical Life: 200 Cycles Min (Without Load)
Contact Material: Copper Alloy, Gold Plated
Proposed Wire Specification: 26AWG / 0.12mm²

DIMENSIONS

Female Plug



Male Plug



Recommended panel thickness:
2mm MAX.

Micro-A 2~6 Pin W/O SR (2A)

CHOGORI

APPLICATIONS

For Signal Use, Cable to Cable Solution, 2~6Pin (W/O SR)



ADVANTAGES

- Quick lock
- Small and compact
- Poka-yoke design on contact surface
- IP66 robust overmolded type
- Stable connection in vibrating environment
- RoHS, REACH, HF

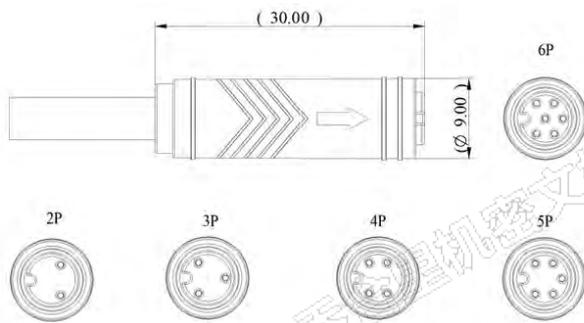
SPECIFICATIONS

Pin Number: 2~6Pin
Rated Current: 2A
Rated Operating Voltage: 48V AC /60V DC
Withstand Voltage: 500V AC
Insulation Resistance (With Cable) : 20MΩ Min@500VDC

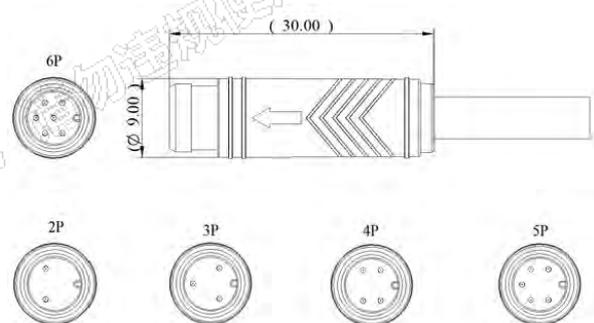
Operating Temperature: -25°C to 80°C
IP Rating: IP66
Mechanical Life: 200 Cycles Min (Without Load)
Contact Material: Copper Alloy, Gold Plated
Proposed Wire Specification: 26AWG / 0.12mm²

DIMENSIONS

Female Plug



Male Plug



OPTIONS/ MATING PARTS

Female Plug Protective Cap



Male Panel Connector Protective Cap



Micro-A 2~6 Pin With SR (2A)

CHOGORI

APPLICATIONS

For Signal Use, Cable to Cable Solution, 2~6Pin (With SR)



ADVANTAGES

- Quick lock
- Small and compact
- Poka-yoke design on contact surface
- IP66 robust overmolded type
- Stable connection in vibrating environment
- RoHS, REACH, HF

SPECIFICATIONS

Pin Number: 2~6Pin

Rated Current: 2A

Rated Operating Voltage: 48V AC /60V DV

Withstand Voltage: 500V AC

Insulation Resistance (With Cable): 20MΩ Min@500VDC

Operating Temperature: - 25°C to 80°C

IP Rating: IP66

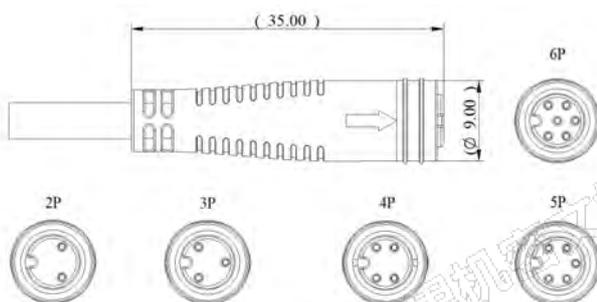
Mechanical Life: 200 Cycles Min (Without Load)

Contact Material: Copper Alloy, Gold Plated

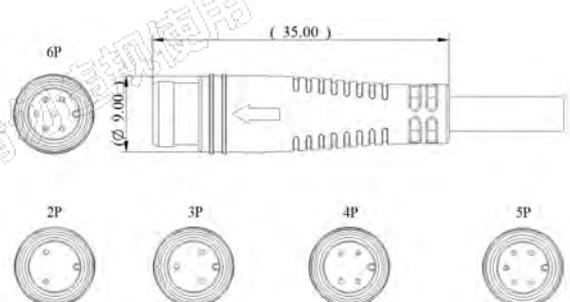
Proposed Wire Specification: 26AWG / 0.12mm²

DIMENSIONS

Female Plug



Male Plug



OPTIONS/ MATING PARTS

Female Plug Protective Cap



Male Panel Connector Protective Cap



Micro-A 2~6 Pin (2A)

CHOGORI

APPLICATIONS

For Signal Use, Panel Connector, 2~6Pin



ADVANTAGES

- Quick lock
- Small and compact
- Poka-yoke design on contact surface
- IP66 robust overmolded type
- Stable connection in vibrating environment
- RoHS, REACH, HF

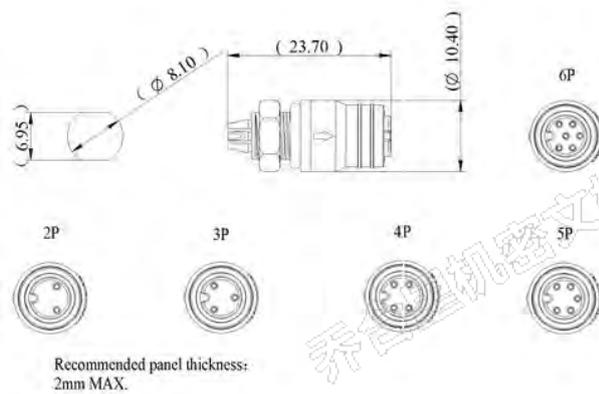
SPECIFICATIONS

Pin Number: 2~6Pin
Rated Current: 2A
Rated Operating Voltage: 48V AC /60V DC
Withstand Voltage: 500V AC
Insulation Resistance (With Cable): 20MΩ Min@500VDC

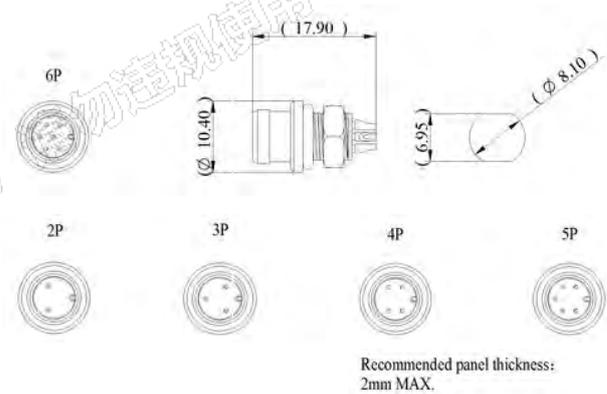
Operating Temperature: - 25°C to 80°C
IP Rating: IP66
Mechanical Life: 200 Cycles Min (Without Load)
Contact Material: Copper Alloy, Gold Plated
Proposed Wire Specification: 26AWG / 0.12mm²

DIMENSIONS

Female Plug



Male Plug



OPTIONS/ MATING PARTS

Female Plug Protective Cap



Male Panel Connector Protective Cap



Micro-C 7 Pin (2A)

CHOGORI

APPLICATIONS

For Signal Use, Cable to Cable Solution, 7Pin



ADVANTAGES

- Quick lock
- Small and compact
- Poka-yoke design on contact surface
- IP66 robust overmolded type
- Stable connection in vibrating environment
- RoHS, REACH

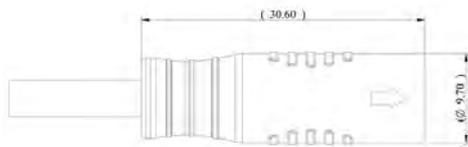
SPECIFICATIONS

Pin Number: 7Pin
Rated Current: 2A
Rated Operating Voltage: 48V AC /60V DC
Withstand Voltage: 500V AC
Insulation Resistance (With Cable) : 20MΩ Min@500VDC

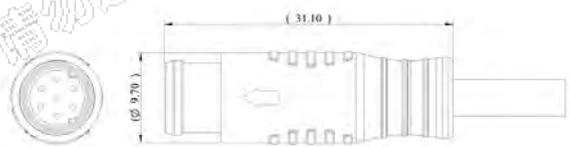
Operating Temperature: -25°C to 80°C
IP Rating: IP66
Mechanical Life: 200 Cycles Min (Without Load)
Contact Material: Copper Alloy, Gold Plated
Proposed Wire Specification: 26AWG Max / 0.12mm²

DIMENSIONS

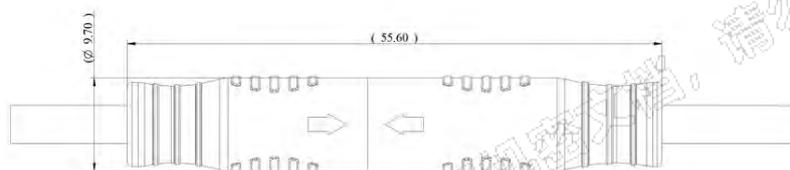
Female Plug



Male Plug



MATING CONDITION



Dream 8~11 Pin (2A)

CHOGORI

APPLICATIONS

For Signal Use, Cable to Cable Solution, 8~11Pin



ADVANTAGES

- Quick lock
- Small and compact
- Poka-yoke design on contact surface
- IP67 robust overmolded type
- Stable connection in vibrating environment
- RoHS, REACH

SPECIFICATIONS

Pin Number: 8~11Pin

Rated Current: 2A

Rated Operating Voltage: 48V AC /60V DV

Withstand Voltage: 250V AC

Insulation Resistance (With Cable): 20MΩ Min@500VDC

Operating Temperature: - 25°C to 80°C

IP Rating: IP67

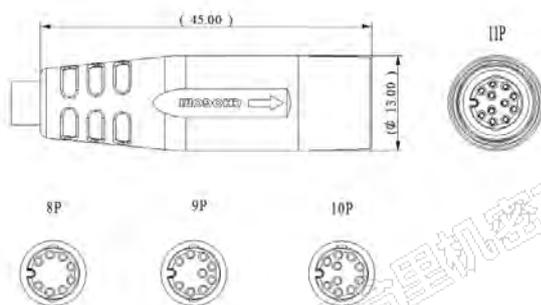
Mechanical Life: 200 Cycles Min (Without Load)

Contact Material: Copper Alloy, Gold Plated

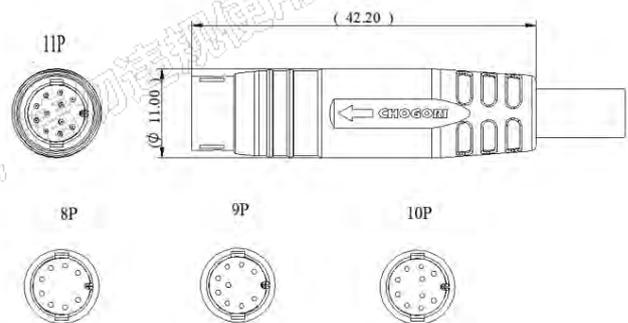
Proposed Wire Specification: 26AWG / 0.12mm²

DIMENSIONS

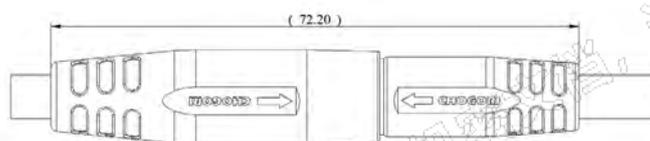
Female Plug



Male Plug



MATING CONDITION



Micro-D 2+3 Pin (3.5A+2A)

CHOGORI

APPLICATIONS

For Signal Use, Cable to Cable Solution, 2Pin+3Pin



ADVANTAGES

- Quick lock
- Small and compact
- Poka-yoke design on contact surface
- IP66 robust overmolded type
- Stable connection in vibrating environment
- RoHS, REACH, HF, CP65

SPECIFICATIONS

Pin Number: 2Pin+ 3Pin

Rated Current: 3.5A+2A

Rated Operating Voltage: 48V AC /60V DC

Withstand Voltage: 500V AC

Insulation Resistance (With Cable): 20MΩ Min@500VDC

Operating Temperature: - 20°C to 70°C

IP Rating: IP66

Mechanical Life: 200 Cycles Min (Without Load)

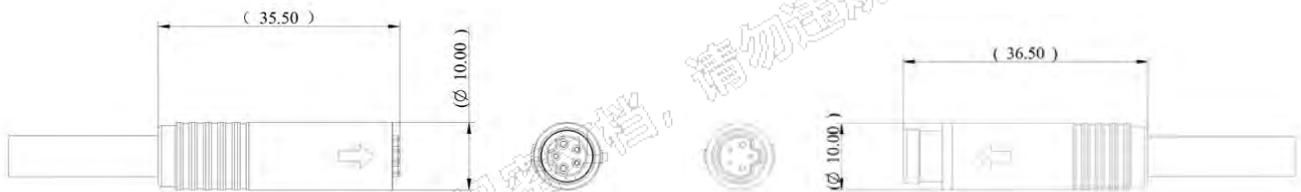
Contact Material: Copper Alloy, Gold Plated

Proposed Wire Specification: 22AWG / 0.32mm² + 24AWG / 0.2mm²

DIMENSIONS

Female Plug

Male Plug



OPTIONS/ MATING PARTS

Female Plug Protective Cap



Mate05 2+3 Pin (5A+3A)

CHOGORI

APPLICATIONS

For Signal Use, Cable to Cable Solution, 2Pin+3Pin



ADVANTAGES

- Push lock
- Small and compact
- Poka-yoke design on contact surface
- IP67 robust overmolded type
- Stable connection in vibrating environment
- RoHS, REACH

SPECIFICATIONS

Pin Number: 2Pin+3Pin

Rated Current: 5A+3A

Rated Operating Voltage: 48V AC /60V DC

Withstand Voltage: 500V AC

Insulation Resistance (With Cable): 20MΩ Min@500VDC

Operating Temperature: - 40°C to 105°C

IP Rating: IP67

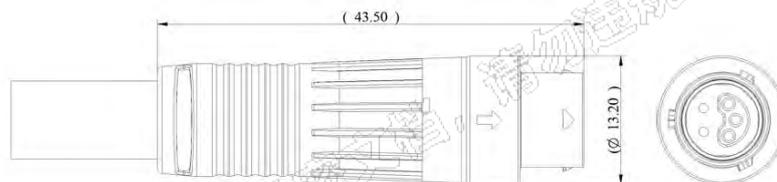
Mechanical Life: 500 Cycles Min (Without Load)

Contact Material: Copper Alloy, Gold Plated

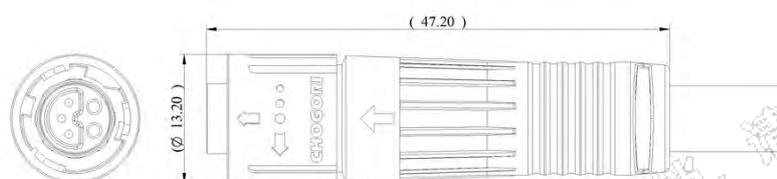
Proposed Wire Specification: 20AWG / 0.5mm² + 24AWG / 0.2mm²

DIMENSIONS

Female Plug



Male Plug



HIGH RELIABILITY CONNECTION SYSTEM



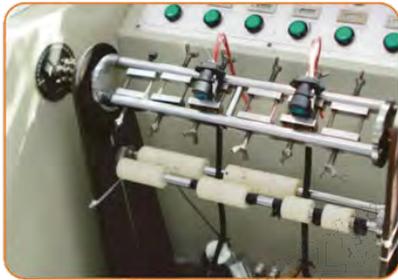
Waterproof test



Vibration test



Thermal shock test



Wire bending test



Mating cycle test



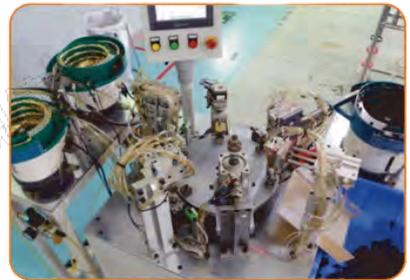
Mate and unmate force test



Temperature rise test



CNC machine



Automatic assembly machine



Lean factory



U-shaped production line



Display



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