CHOGORI

Connector Solutions For
Electric Outdoor & Emerging Market Applications

GPS Tracking

Marine

Security

Industry Automation

Solar

Robotics

Smart Agriculture

Electric Garden Tool

Electric Vehicle

About Us

CHOGORI

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

From 2013, CHOGORI set-up the "Lean Management Philosophy".

CHOGORI

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

10M Sets
Monthly Capacity
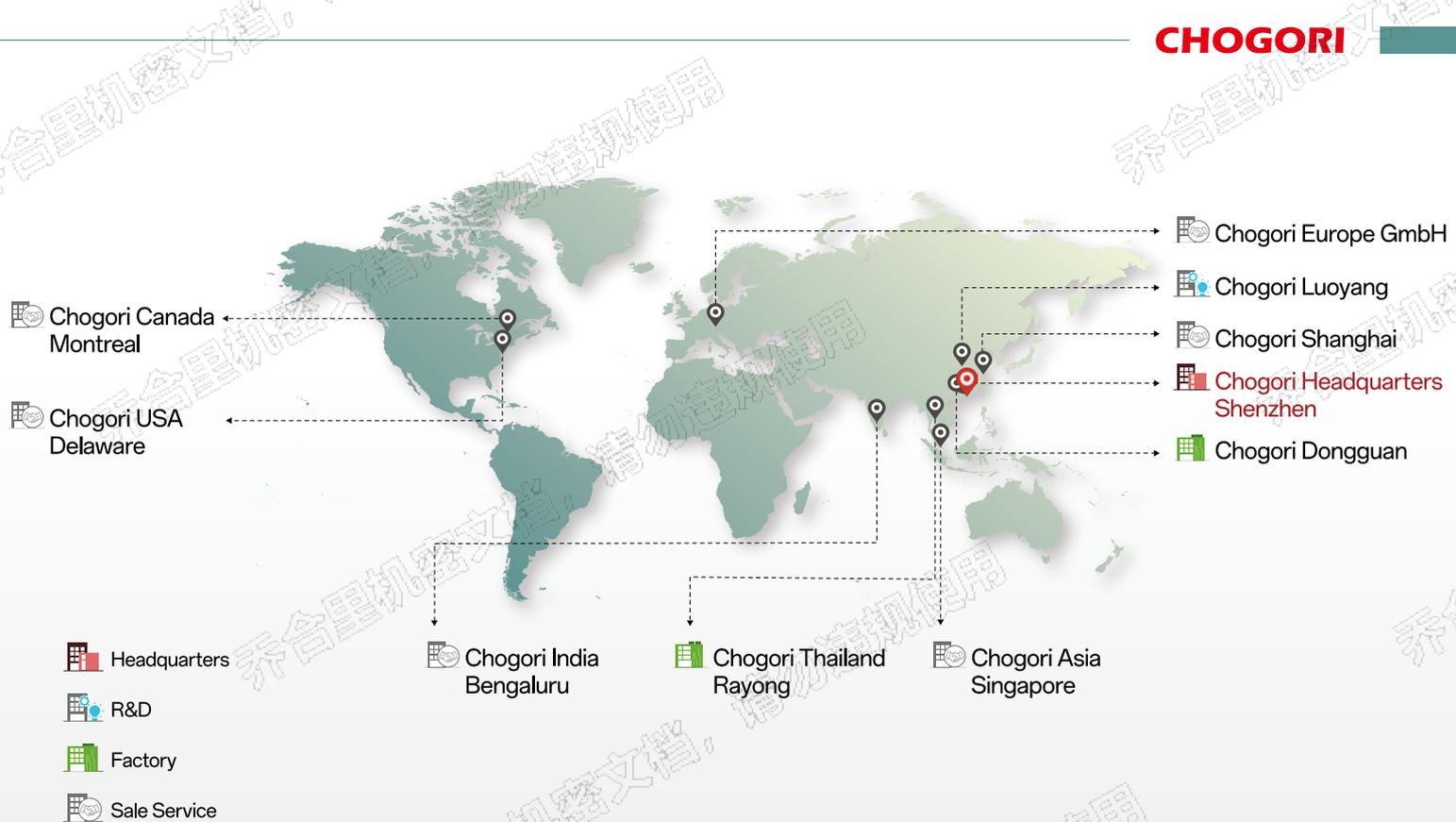
2 Facilities
Dongguan & Thailand

1,000+ Members
Team Size

44,000 m²
Factory Size

Global Distribution

CHOGORI

Chogori Canada
Montreal

Chogori USA
Delaware

Chogori Europe GmbH

Chogori Luoyang

Chogori Shanghai

Chogori Headquarters
Shenzhen

Chogori Dongguan

Headquarters

R&D

Factory

Sale Service

Chogori India
Bengaluru

Chogori Thailand
Rayong

Chogori Asia
Singapore

Product Selection Guide

Industry \ Product Series	Omni	CP30	Mini	Standard	Middle	Large	M15	M12
Solar		★		★	★			
Energy Storage	★		★	★	★	★		★
LED Lighting	★	★	★	★	★	★	★	★
Electric Garden Tool		★		★	★	★		
Smart Terminal	★		★	★	★	★		★
GPS Tracking	★		★	★	★	★		★
Marine			★	★	★	★		★
Security								
Industry Automation	★		★	★	★			★
Robostic			★	★	★			
AGV			★	★	★			★
Smart Agriculture			★	★	★			★
Electric Vehicle			★	★	★			★
Page	6	7	8	9	10	11	12	13

RJ45	USB	Type C	CPL	RS40	FC	FAC	KR (Ultra)	BangaX	Mate	CAC
★	★									
★	★				★	★		★		
★			★							★
	★	★	★				★	★		★
★	★	★								
★	★	★								
★		★								
★		★								
★	★	★		★	★		★			
		★							★	
	★		★						★	
14	15	16	17	18	19	21	22	23	24	25

Omni Series

Product Display

Specification

Lock Mechanism	Push Lock Type			
Pin Number	3~4P		8P	14P
Rated Current	10A		2A	
Rated Voltage	125V		60V	30V
IP Rating	IPX9K			
Mating Cycle	1000			
Operating Temperature	-40℃~105℃			
Wire Processing	Soldering			
Proposed Wire Gauge/mm²	20AWG / 0.519mm²	18AWG / 0.823mm²	26AWG / 0.128mm²	26AWG / 0.25mm²
Proposed Cable Diameter	7.6mm Max			

Critical Dimension

Panel Cut-Out
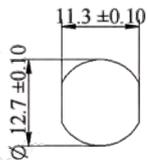
Panel Mount

Female Plug

Male Plug

11.3 ±0.10

12.7 ±0.10

Ø 12.7 ±0.10

Ø16.5

18.2

Panel T: Max2.0

Ø13.2

40.1(Ref)

Ø13.2

Ø13.2

44.6(Ref)

Ø18.0

Ø18.0

Ø11.6±0.5

31.7(Ref)

32.1(Ref)
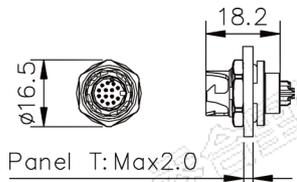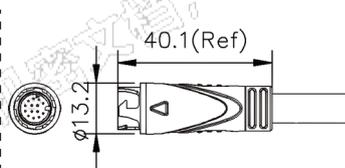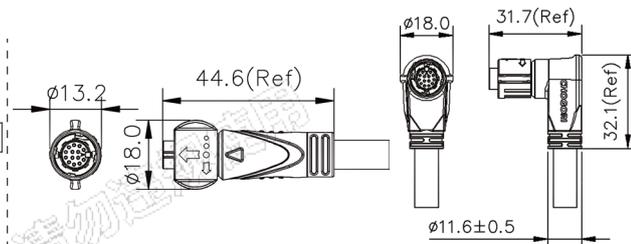
CP30 Series

Product Display

Specification

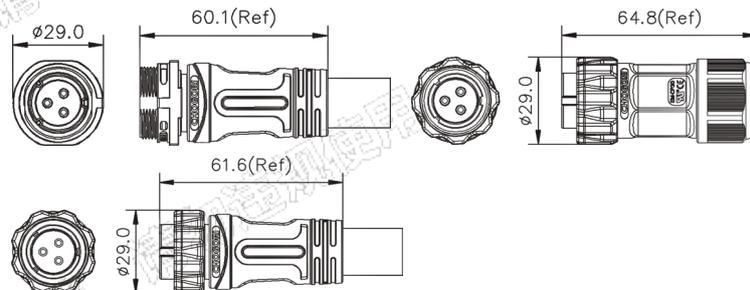| Lock Mechanism	Screw Type
Pin Number	3P
Rated Current	20A / 30A
Rated Voltage	300V
IP Rating	IP68 Mated
Mating Cycle	500
Operating Temperature	-40℃~105℃
Wire Processing	Soldering / Screw Terminal
Proposed Wire Gauge/mm²	14~11AWG
Proposed Cable Diameter	9.8~15.8mm (Field Installable Plug) 15.8mmMax (Overmold Plug)
Certification	UL2238

Critical Dimension

Panel Cut-Out

19.8±0.1
⌀21.0±0.1

Panel Mount

33.9
23.8
⌀29.0
Panel T: Max3.0

Mating Plug

⌀29.0
60.1(Ref)
61.6(Ref)
⌀29.0
⌀29.0
64.8(Ref)
⌀29.0

CHOGORI
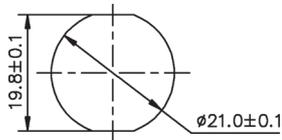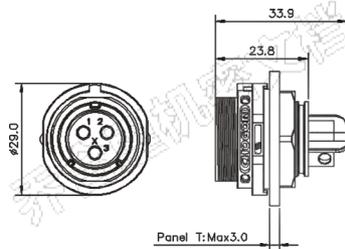
Mini Series

Product Display

Specification

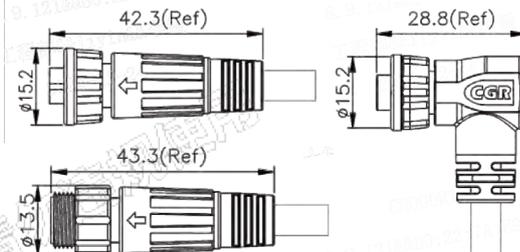| Lock Mechanism	Screw Type / Lock Bayonet Type	
Pin Number	2~4P	5~8P
Rated Current	5A	2A
Rated Voltage	110V	50V
IP Rating	IP67 Mated	
Mating Cycle	500	
Operating Temperature	-40℃~105℃	
Wire Processing	Soldering	
Proposed Wire Gauge/mm²	20AWG / 0.519mm²	22AWG / 0.34mm²
Proposed Cable Diameter	4.7-6.8mm (Field Installable Plug), 7.2mmMax (Overmold Plug)	
Certification	UL1977 for 2P, 3P UL2238 for 8P	

Critical Dimension
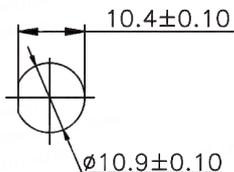
Panel Cut-Out

Panel Mount

Field Installable Plug

Overmold Plug(Straight & Right Angle Version)

10.4±0.10

Ø10.9±0.10

16.8±0.3

3.6

15.7±0.3

18.1±0.3

Panel T: Max 4.0

42.3(Ref)

Ø15.2

43.6(Ref)

Ø13.5

42.3(Ref)

Ø15.2

43.3(Ref)

Ø13.5

28.8(Ref)

Ø15.2

CGR
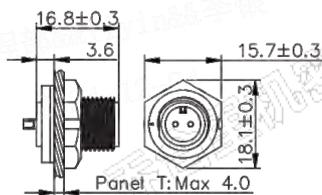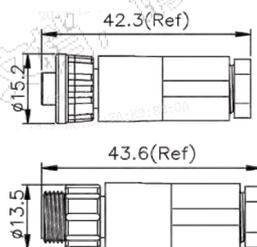
Standard Series

Product Display

Specification

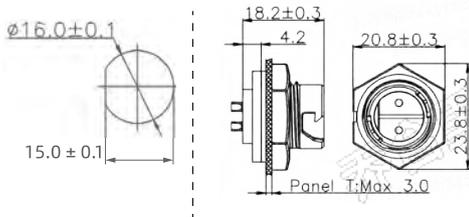| Lock Mechanism	Screw Type / Push Lock Type						
Pin Number	2~3P	4P	5~6P	2+4P	3+4P	8P	10P, 12P
Rated Current	10A		5A	10+5A	10+2A	5A	2A
Rated Voltage	300V	125V	60V				30V
IP Rating	IP67 Mated						
Mating Cycle	500						
Operating Temperature	-40℃~105℃						
Wire Processing	Soldering						
Proposed Wire Gauge/mm²	18AWG / 0.823mm² 1.0mm²	18AWG / 0.823mm²	20AWG / 0.519mm²	18AWG / 0.823mm²*2C / 3C 20AWG / 0.519mm²*4C		20AWG / 0.519mm²	22AWG / 0.34mm²
Proposed Cable Diameter	3.5-6.8mm (Field Installable Plug), 9.0mmMax (Overmold Plug)						
Certification	UL1977 for 2P, 3P, 4P, 5P, 6P, 2+4P, 8P UL2238 for 2P, 3P, 4P, 2+4P						

Critical Dimension

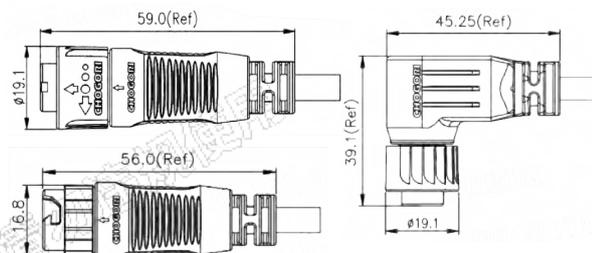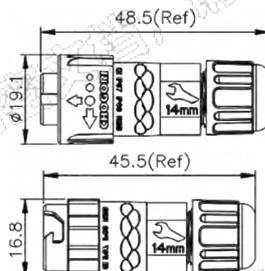Panel Cut-Out   Panel Mount   Field Installable Plug   Overmold Plug(Straight & Right Angle Version)
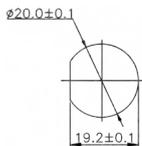

Square

Middle Series

Product Display
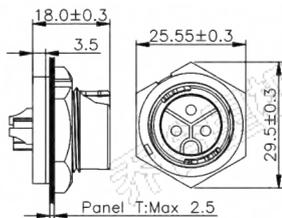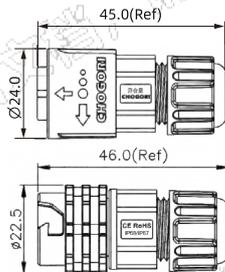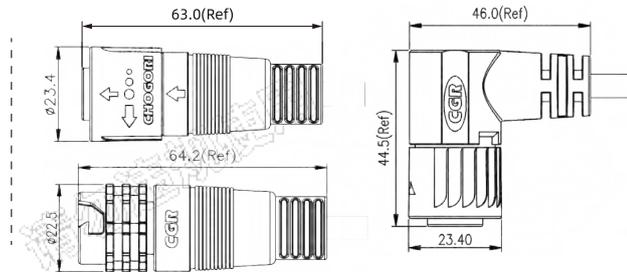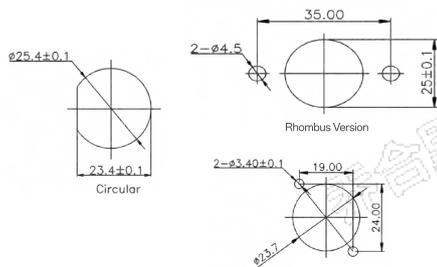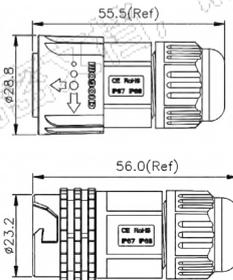

Specification

Lock Mechanism	Screw Type / Push Lock Type								
Pin Number	2~3P	4P	5~6P	7~8P	3+3P	3+5P	9P	10P, 12P, 14P	18P
Rated Current	20A	15A	10A	5A	15+3A	15+2A	5A	5A	2A
Rated Voltage	300V		125V	60V	380+60V	125+30V	60V	30V	
IP Rating	IP67 Mated								
Mating Cycle	500								
Operating Temperature	-40℃~105℃								
Wire Processing	Soldering / Screw Terminal								
Proposed Wire Gauge/mm²	14AWG / 2.5mm²	17AWG / 1.0mm²	18AWG / 0.75mm²	22AWG / 0.34mm²	17AWG / 1.0mm²*3C 24AWG / 0.25mm²*5C		22AWG / 0.34mm²	24AWG / 0.25mm²	
Proposed Cable Diameter	3.5~6.5mm, 6.5~9.5mm (Field Installable Plug), 10.8 mmMax (Overmold Plug)								
Certification	UL1977 for 2P, 3P, 4P, 5P, 7P, 8P, 9P UL2238 for 2P, 3P, 3+3P, 3+5P								

Critical Dimension

Panel Cut-Out

Ø20.0±0.1
19.2±0.1

Panel Mount

18.0±0.3
3.5
25.55±0.3
29.5±0.3
Panel T:Max 2.5

Field Installable Plug

45.0(Ref)
Ø24.0
46.0(Ref)
Ø22.5

Overmold Plug(Straight & Right Angle Version)

63.0(Ref)
Ø23.4
64.2(Ref)
Ø22.5

46.0(Ref)
44.5(Ref)
23.40

Large Series

Product Display

Specification

| Lock Mechanism	Push Lock Type								
Pin Number	2P	3P	3P	9P	18P	24P	3+9P	3+11P	2+18P
Rated Current	20A		50A	5A			20A+5A		
Rated Voltage	300V			125V			300V		
IP Rating	IP67 Mated								
Mating Cycle	500								
Operating Temperature	-40℃~105℃								
Wire Processing	Soldering / Screw Terminal								
Proposed Wire Gauge/mm²	12AWG / 3.31mm²		9AWG / 8.4mm²	18AWG / 0.75mm²	22AWG / 0.34mm²		(2.5mm2+0.2mm2) / (14AWG+24AWG)		
Proposed Cable Diameter	4.5-6.5mm, 6.5-10.5mm (Field Installable Plug), 13mm Max (Overmold Plug)								
Certification	UL1977, UL2238 for 3P								

Critical Dimension

Panel Cut-Out(Circular & Square & Rhombus Version)　　　Field Installable Plug　　　Overmold Plug(Straight & Right Angle Version)
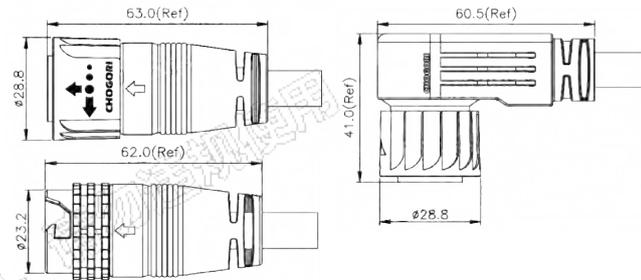
M15 Series

Product Display

Specification

Lock Mechanism	Screw Type	
Pin Number	2~4P	5P
Rated Current	10A	
Rated Voltage	300V	125V
IP Rating	IP68 Mated	
Mating Cycle	500	
Operating Temperature	-40℃~105℃	
Wire Processing	Soldering	
Proposed Wire Gauge/mm²	18AWG / 1.0mm²	
Proposed Cable Diameter	3.5-8.5mm	
Certification	UL2238	

Critical Dimension

55.7(Ref)
16.9
54.4(Ref)
Ø18.0

78.1(Ref)
18.0

113.1(Ref)
18.0

148.1(Ref)
18.0
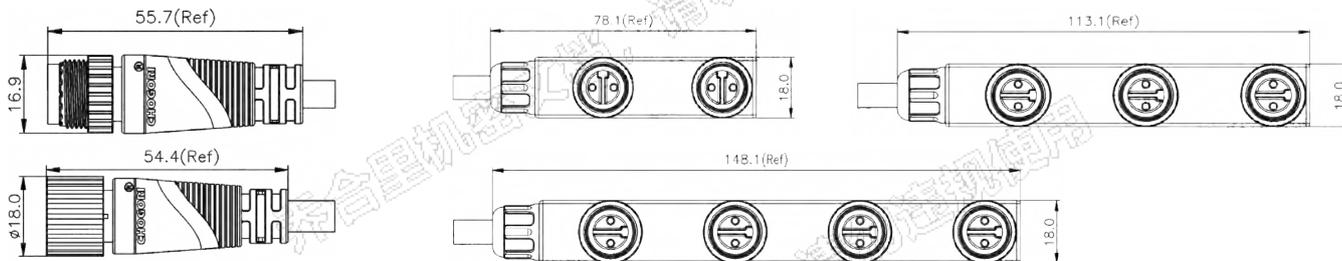
M12 Series

Product Display

Specification

Lock Mechanism	Screw Type / Push Lock Type			
Pin Number	3-4P	5P	8P	12P
Rated Current	4A		2A	1.5A
Rated Voltage	250V	60V	30V	
IP Rating	IP67 Mated			
Mating Cycle	100			
Operating Temperature	-25℃~85℃			
Wire Processing	Soldering			
Proposed Wire Gauge/mm²	22AWG / 0.34mm²	24AWG / 0.25mm²		24AWG / 0.14mm²
Proposed Cable Diameter	Max 6.0mm			

Critical Dimension
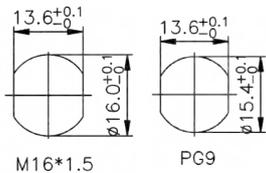
Panel Cut-Out

13.6+0.1/0
Ø16.0+0.1/0
M16*1.5

13.6+0.1/0
Ø15.4+0.1/0
PG9

Panel Mount

22.0±0.3 20.0±0.5
24.5±0.3
22.5±0.5
18.0±0.2

Field Installable Plug

60.0(Ref)
Ø20.0
54.0(Ref)
Ø20.0

Overmold Plug(Straight & Right Angle Version)

41.0(Ref)
Ø15.0
37.4(Ref)
Ø4.6
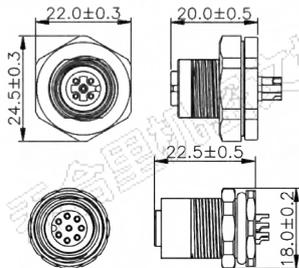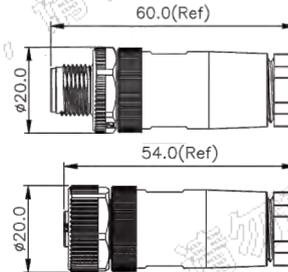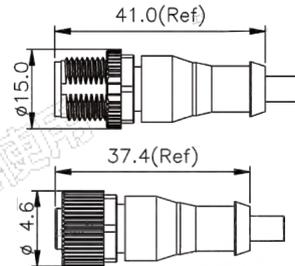
RJ45 Series

Product Display

Specification

Lock Mechanism	Screw Type
Pin Number	8P
IP Rating	IP67 Mated
Mating Cycle	500
Operating Temperature	-40℃~85℃
Wire Processing	Soldering
Proposed Wire Gauge/mm²	24AWG
Proposed Cable Diameter	4.0-7.0mm

Critical Dimension

Panel Cut-Out

Panel Mount

Mating Plug

Ø20.8

19.4

19.3±0.3

4.5

29.3±0.3

0.75

39.2±0.5

29.3±0.3

Ø25.5±0.3

40.0(Ref)
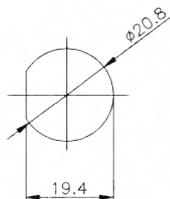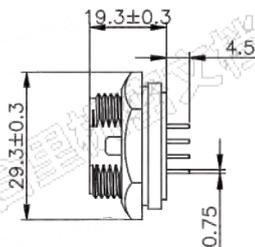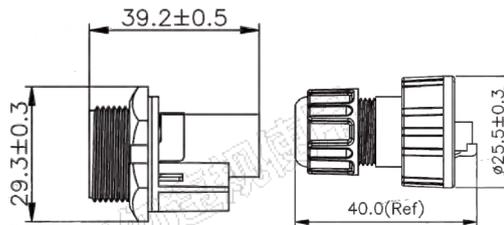
USB Series(USB 2.0 & Mini USB)

Product Display

Specification

Lock Mechanism	Screw / Lock Bayonet Type
Pin Number	4P
Rated Current	1.5A
IP Rating	IP67 Mated
Mating Cycle	1500
Operating Temperature	-40℃~85℃
Wire Processing	Soldering
Proposed Wire Gauge/mm²	0.204mm² / 24AWG
Proposed Cable Diameter	3.5-6.8mm

Critical Dimension

Panel Cut-Out(Circular & Rhombus & Square Version)
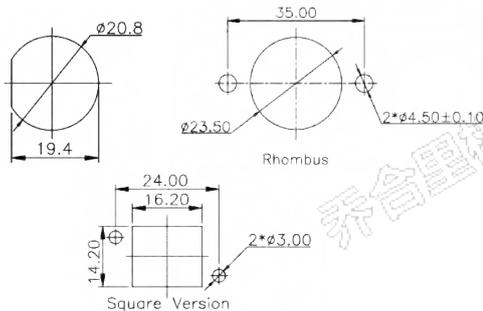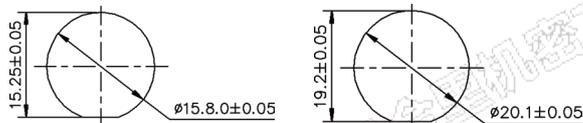
USB 2.0 Connector

Mini USB Connector

ø20.8
19.4

35.00
ø23.50
2*ø4.50±0.10
Rhombus

24.00
16.20
14.20
2*ø3.00
Square Version

21.7±0.3
28.7(Ref)

23.87
20.75
Pin5   Pin1

16.00
*3.00
ø20.30
4.00
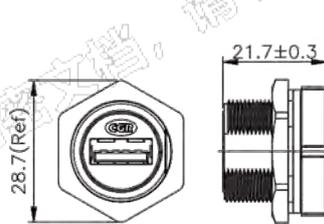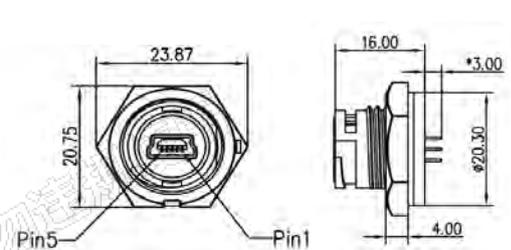
Type C Series

Product Display

Specification

Lock Mechanism	Lock Bayonet Type
Pin Number	24P
Rated Current	5A
Rated Voltage	5V
IP Rating	IPX7 (With Cap)
Mating Cycle	10000
Operating Temperature	-40℃~85℃
Wire Processing	Soldering
Proposed Wire Gauge/mm²	30~28AWG
Proposed Cable Diameter	N/A

Critical Dimension

Panel Cut-Out

15.25±0.05 Ø15.8.0±0.05

19.2±0.05 Ø20.1±0.05

Mating Plug

23.8(Ref) 25.8

20.75(Ref)

Panel T:Max4.0

25.55(Ref) 30.8

29.5(Ref)

Panel T:Max4.0
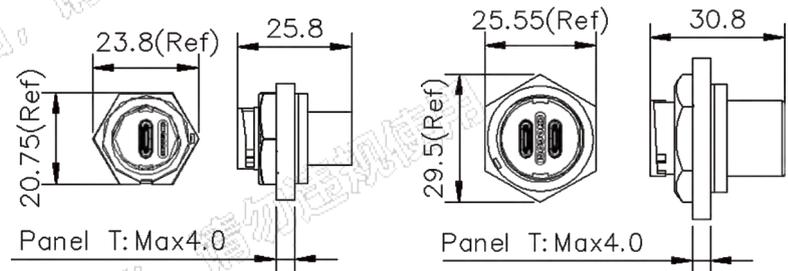
CPL Series

Product Display

Specification

Rated Current	120A	200A	300A
Rated Voltage	1500V		
IP Rating	IP67 Mated & IPXXB		
Mating Cycle	>100		
Operating Temperature	-40℃~125℃		
Wire Processing	Crimping		
Proposed Wire Gauge/mm²	25mm²	50mm²	95mm²
Certification	UL4218		

Critical Dimension

Panel Cut-Out (Orange & Black)
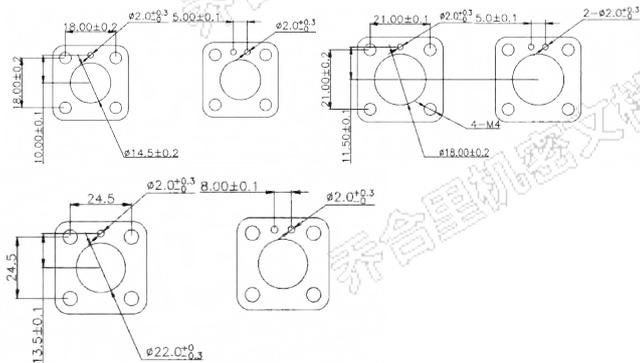
Field Installable Plug
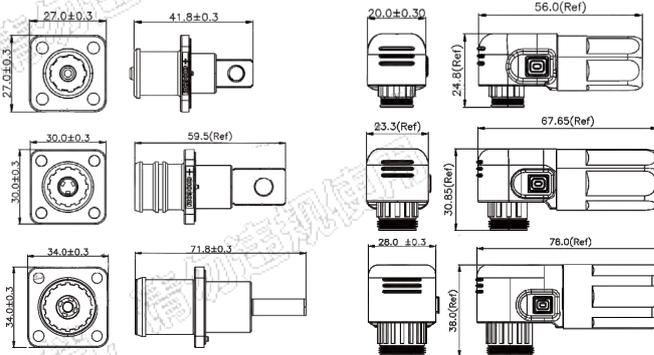
RS40 Series

Product Display

Specification

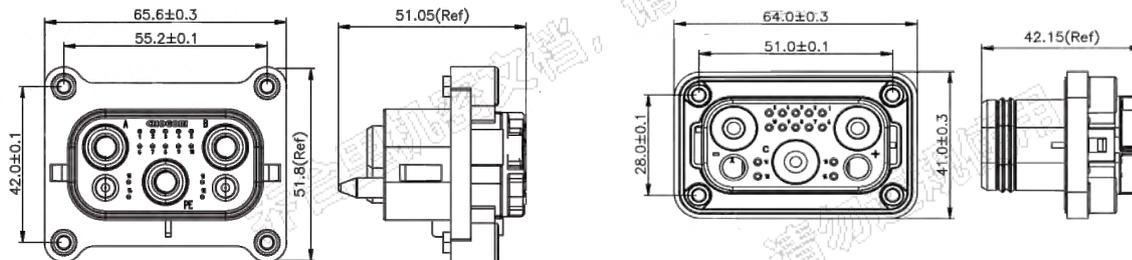| Lock Mechanism	Panel to Panle / Buckle Lock
Pin Number	2+6 Pin
Rated Current	40A+5A
Rated Voltage	72V
IP Rating	IP67 Battery Side
Mating Cycle	3000
Operating Temperature	-40℃~105℃
Wire Processing	Soldering
Proposed Wire Gauge	Power 10AWG Max + Signal 20AWG Max

Critical Dimension
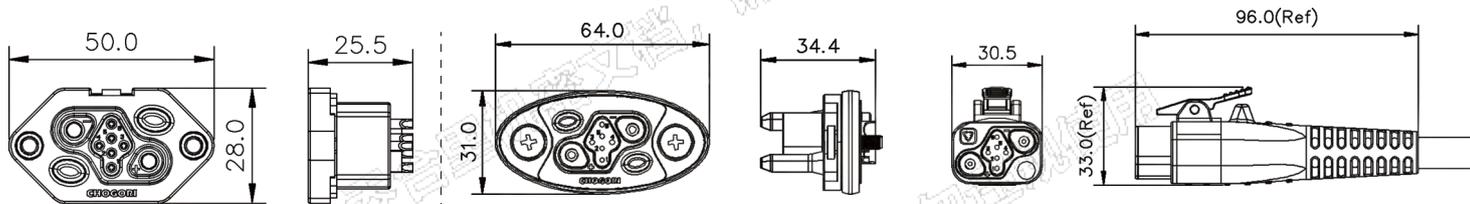
FC31

Product Display

Specification

Pin Number	3 Power+14 Signal
Rated Current	70A+3A
Rated Voltage	1000V+24V
IP Rating	IPX6 Mated
Mating Cycle	100
Operating Temperature	-40℃~105℃
Wire Processing	Crimping
Proposed Wire Gauge	Power: 8AWG Max Signal: 20AWG Max
Certification	UL4218 TUV

Critical Dimension

CHOGORI

FC09 Pro

Product Display

Specification

Pin Number	2 Power+5 Signal
Rated Current	40A+5A
Rated Voltage	72V
IP Rating	IPX5 Mated IPX7 Battery Side
Mating Cycle	5000
Operating Temperature	-40℃~105℃
Wire Processing	Crimping
Proposed Wire Gauge	Power: 9AWG Max Signal: 20AWG Max

Critical Dimension

65.0 ± 0.5
36.5 ± 0.5
36.5 ± 0.5
31.4 ± 0.5
13.7 ± 0.5
65.0 ± 0.5
40.0 ± 0.5
49.8(Ref)
41.8(Ref)
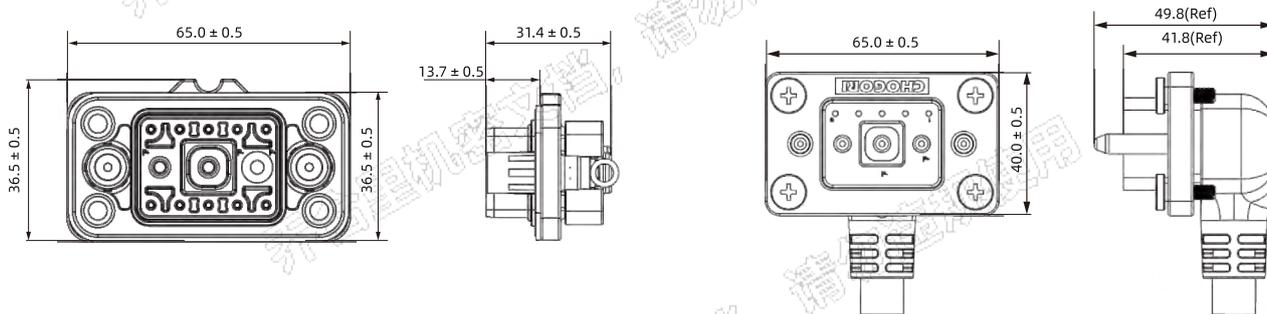
FAC Series

Product Display

Specification

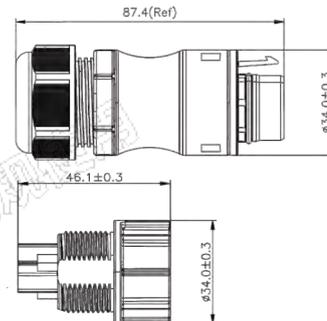| Pin Number	3Pin
Rated Current	35A
Rated Voltage	690V
IP Rating	IP67 Mated & IPXXB
Mating Cycle	100
Operating Temperature	-40℃~105℃
Wire Processing	Screw Terminal / Soldering
Proposed Wire Gauge	10-14AWG
Proposed Cable Diameter	12-15mm
Certification	UL2238 TUV

Critical Dimension

Panel Cut-Out

ø26.8±0.1   Panel T:Max 8.0

25.4±0.1
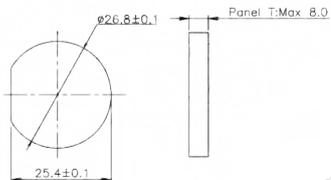
Field Installable Female Plug

82.6(Ref)

ø34.0±0.3

48.2±0.3

ø34.0±0.3
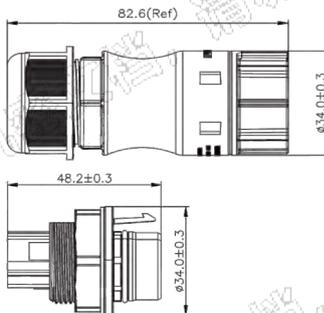
Field Installable Male Plug

87.4(Ref)

ø34.0±0.3

46.1±0.3

ø34.0±0.3

KR (Ultra) Series

Product Display

Specification

Lock Mechanism	Buckle Lock / Push Lock Type		
Pin Number	2 Power+6 Signal		
Rated Current	70A+5A	60+5A	50+5A
Rated Voltage	125V (Power)+72V (Signal)		
IP Rating	IPX7 Mated, IPXXB Unmated, IPX7 Battery Side		
Mating Cycle	5000		
Operating Temperature	-25℃~105℃		
Wire Processing	Crimping / Ultrasonic Welding (Power) Soldering (Signal)		Soldering
Proposed Wire Gauge/mm²	8-7AWG (Power) 24-20AWG (Signal)		10AWG Max (Power) 24-20AWG Max (Signal)
Proposed Cable Diameter	OD: 12.5mm (MAX)		

Critical Dimension

Panel Cut-Out

Panel Mount

Overmold Plug

![CHOGORI]

BangaX100 Series

Product Display

Specification

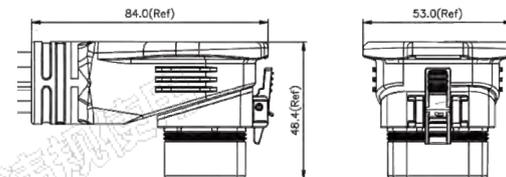| Lock Mechanism	Buckle Lock Type
Pin Number	2 Power+1 Charger+7 Signal
Rated Current	Discharging: 100A Charging: 25A Signal: 5A
Rated Voltage	630V (Power)+100V (Signal)
IP Rating	IP67 Mated, IP67 Battery Side, IPXXB Unmate
Mating Cycle	3000
Operating Temperature	-40℃~105℃
Wire Processing	Crimping / Soldering
Proposed Wire Gauge/mm²	Discharging: 25mm² Charging: 16AWG~12AWG Signal: 22AWG~20AWG
Proposed Cable Diameter	OD: Power10.2mm (MAX) Signal+Charger8.0mm (MAX)

Critical Dimension

Panel Cut-Out
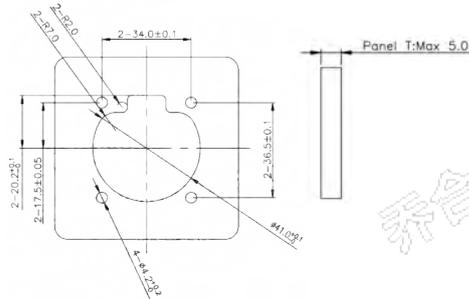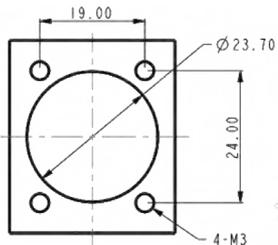
Panel Mount
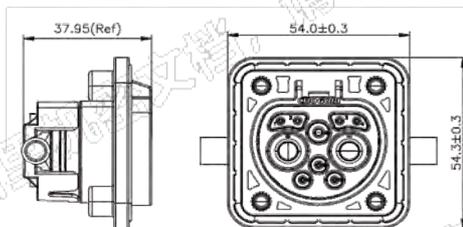
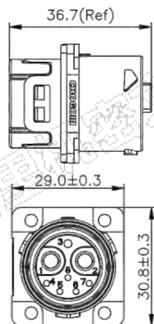### Overmold Plug

Mate Series

Product Display

Specification

Lock Mechanism	Push Lock Type
Pin Number	2 Power+1 Charger+5 Signal
Rated Current	60A+15A+5A
Rated Voltage	125V (Power)+80V (Signal)
IP Rating	IP67 Mated, IP67 Battery Side, IPXXB Unmate
Mating Cycle	5000
Operating Temperature	-40℃~105℃
Wire Processing	Crimping / Soldering
Proposed Wire Gauge	Power: 8AWG Max Charger: 16AWG Max Signal: 20AWG Max
Proposed Cable Diameter	OD: 16 MAX

Critical Dimension
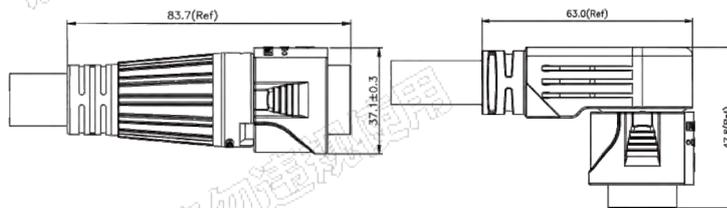
Panel Cut-Out

19.00
Ø23.70
24.00
4-M3

Panel Mount

36.7(Ref)
29.0±0.3
30.8±0.3

Overmold Plug

83.7(Ref)
37.1±0.3
63.0(Ref)
47.8(Ref)

CAC Series

▍ Product Display

▍ Specification

Lock Mechanism	Quick Lock Type	
Pin Number	3Pin	
Rated Current	20A	
Rated Voltage	250V	
IP Rating	IP66 Mated	
Mating Cycle	500	
Operating Temperature	-40℃~105℃	
Wire Processing	Soldering	
Proposed Wire Gauge/mm²	14AWG / 2.08mm²	12AWG / 3.31mm²
Proposed Cable Diameter	OD: 7~14mm	

▍ Critical Dimension
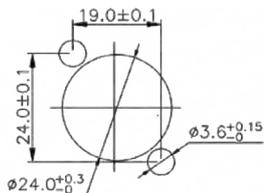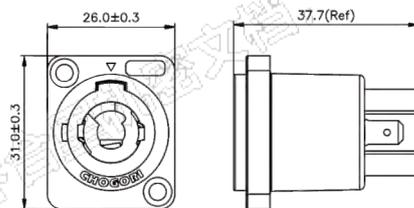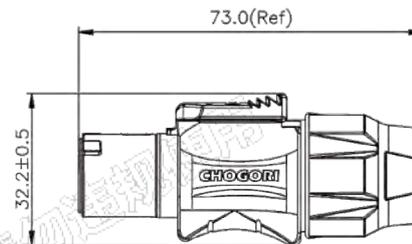
Panel Cut-Out   Panel Mount   Field Installable Plug

Cable Assembly & Splitter

Product Display

Specification

IP Rating	IP65
Mating Cycle	500
Operating Temperature	-20℃~85℃
Wire Processing	Soldering
Proposed Cable Diameter	Cable A Range: 6.0~13.0mm Cable B Range: 4.5~7.5mm

Critical Dimension

Overmold Plug

87.20

36.00

B

A

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Cable Assembly & Splitter

Product Display

Specification

IP Rating	IP65
Mating Cycle	500
Operating Temperature	-20℃~85℃
Wire Processing	Soldering
Proposed Cable Diameter	Cable A Range: 4.5~9.0mm Cable B Range: 4.5~8.0mm

Critical Dimension

Overmold Plug

75

43.5

B

CHOGORI

A

21.5

Cable Assembly & Splitter

Product Display

Specification

Lock Mechanism	Screw Type
Pin Number	3Pin
Rated Current	20A
Rated Voltage	300V
IP Rating	IP67 Mated
Mating Cycle	500
Operating Temperature	-40℃~105℃
Wire Processing	Soldering
Proposed Wire Gauge/mm²	14AWG / 2.08mm²

Critical Dimension

Overmold Plug
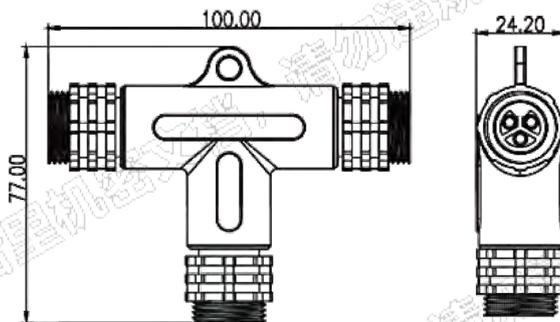
CHOGORI

Reliable Green Connections

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