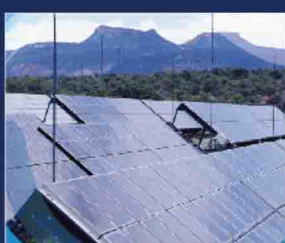
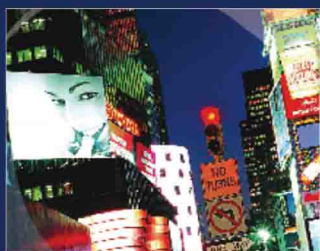


We Focus on Your Connections

**CHOGORI®**

# Waterproof Connectors





We Focus on Your Connection



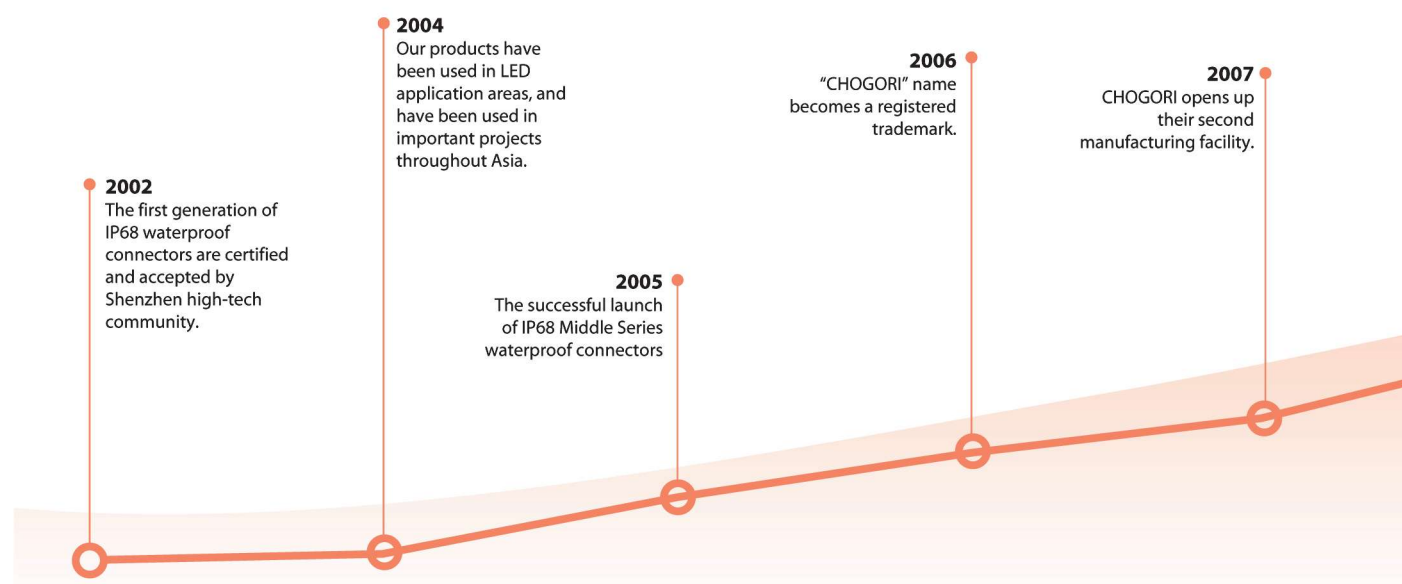
## About CHOGORI

CHOGORI Technology Co., Ltd was established in 2001, we specialized in waterproof connectors and International patent high-current connectors' research and development, manufacture and sales, products up to 15 series more than 2000 varieties, widely applied in outdoor LED lighting , LED display, communication, outdoor transportation, military affairs, spaceflight, new energy, marine electronics, global positioning system peripheral and automobile electronic applications market etc, CHOGORI connectors are much honored to make our own contribution for the main display screen for the Opening Ceremony of the Beijing Olympic Games, the largest display screen for the Shanghai Expo Opening Ceremony, lightings on both sides for the pearl river of Guangzhou Asian Games, Shenzhen Universiade major projects etc.

CHOGORI is located in the south of China Shenzhen , own more than 200 people' team , including research and development ,sales and manufacture, 4000 square meters factory ,we have varies of test equipments of environment ,electric and machinery 3 aspects .CHOGORI does not only provide waterproof and high-current connector s ,but also offer the service of customized connectors and cable assembly.

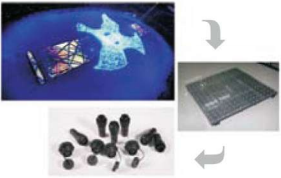
CHOGORI forever memo is "Innovation is the permanent competitiveness", We constantly invest in new products and new technology research and development, CHOGORI has more than 40 items invention ,utility model and design patents till 2013 ,international patent high-current "NEWSOK" Jack has reached the world advanced level.

CHOGORI has passed ISO9001 and strictly in accordance with the quality management system requirements to control the production and delivery , based on some of products and customer requirements, We already passed the CE, 3C, UL, TUV and other units validation test. All CHOGORI products according to the requirements of RoHS, PFOS, REACH environmental protection to manufacture.



# History & Application

Les Jeux olympiques de Beijing 2008



**2008 Beijing Olympic Games**  
(25000sets Connectors)

Exposition universelle de Shanghai 2010



**2010 Shanghai World Expo**  
(50000sets Connectors)

La vieille ville de Xi'an  
Kaiyuan Place

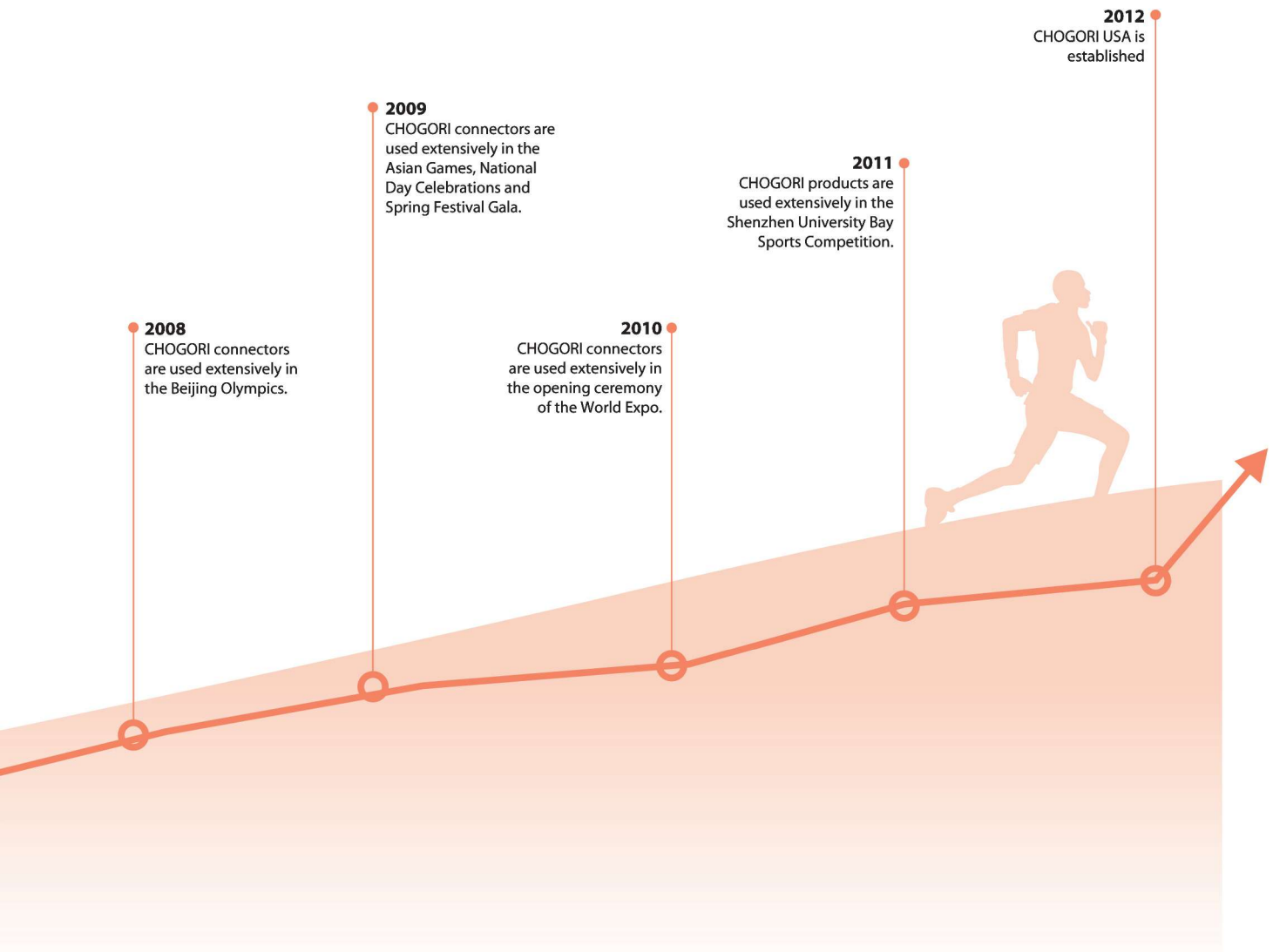


**2010 Xi'an New Century Square**  
(40000sets Connectors)

Les jeux asiatiques de Guangzhou  
Zhu rivière brillante



**2011 Guangzhou Asian Games**  
(200000sets Connectors)







- Located In Shenzhen City, Guangdong in 7000 square meters facility ,with a monthly capacity of 1,000,000 pcs. Staff include ,Sales ,Mechanical and Design Engineers.
- Established in 2001 with a capital of 1000000RMB.CHOGORI Designs ,Manufactures &Exports waterproof connectors.
- Invest each year more than 200% of annual sales turnover in R & D, QC, and patents to ensure top quality products.
- Our waterproof connectors are CE,UL & RoHs certified .CHOGORI is an ISO9001-2008 certified manufacturer .
- CHOGORI provide Mechanical& Electrical Design ,Tool Making ,Plastic Injection Molding ,cable assembly &test as well as Electronic Contract Manufacturing.

CHOGORI continuously creates new waterproof connectors and provide solution to satisfy customer needs. With creativity & ingenuity ,we believe there are more products that can be developed & made in relation with the environment .We dedicate ourselves in listening to customers' needs and sincerely provide practical ,cost effective solutions .Our focus is entirely on giving customers full satisfaction.

**Our Vision:** The manufacture leader of waterproof connectors and high-current connectors in China!

**Our Mission:** Follow the challenges and pressures which focus by customer , providing a competitive waterproof connectors solutions , continuing to create the greatest value for customers.

#### Our Values:

1. Constantly studying professional and technical ,to show "the pursuit of perfection" spirit, improve the technological level of the industry and provide our competitive and excellent quality products to meet our customer needs;
2. Creat a "healthy abundant" life for our staff:
3. Establish mutual trust ,mutual benefit ,long-term and friendly partnership with our suppliers.
4. Creating value to benefit society and respect for the natural environment.
5. Improve efficiency and achieve industry-leading levels of profitability , provide ideal returns for our shareholders.



### Quality assurance ability:

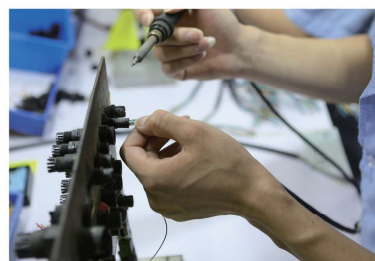
We comply with the strict ISO9001 standards and strict implementation of quality control system to reach a high level of customer requirements in line.

### Quality Objectives:

- Ensure that the approved rate of feed quality and compliance 98.5%
- To ensure that the quality of eligible grant rate of Process 98%
- Ensure that the shipping rates the quality of qualified grant 99%
- Ensure the annual customers complained that no more than 6 pcs.

### CHOGORI Main Products

- Circular connector & Cable assembly
- Industrial D-SUB Connector & Cable assembly
- RJ45,Keystone Adaptor &Cable assembly
- High-Current socket
- HDMI
- Industrial Sensor(M series) Connector & Cable assembly
- USB,Mini Connector & Cable assembly
- AC Power Jack & Plug & Cable assembly
- DC Power Jack & Plug &Cable assembly
- Gaskets,O-Ring,Rubber Parts.OEM &ODM waterproof connector products,Plastic Injection Molding,Tooling Design including Crimping tooling/Die Casting Tooling &Total Solution Service





www.chogori.cn

# PATENT





## PATENT



## Reasons to choose US

### Total Solution Provider

To maintain constant improvement of innovation and service, 15% of our Revenue is allocated for R&D. We can handle projects from the phase concept or design tooling and processing. We also customize our skilled manpower in four Locations to ensure that our customers are satisfied.

### Customer Satisfaction

At CHOGORI, we value our customers and strive to meet their expectations. We know that on-time deliveries are only part of the process. We interact with our customers constantly and often incorporate recommendations on product or service into the final package.

### Quality Assurance

Customers demand quality, our assurance is that they will indeed receive quality when they buy for CHOGORI. All products pass thorough our testing and quality control regimen. From material delivered to CHOGORI to inspection of WIP to final testing and checking, we work to ensure the reliability of CHOGORI products.

### Worldwide Distribution

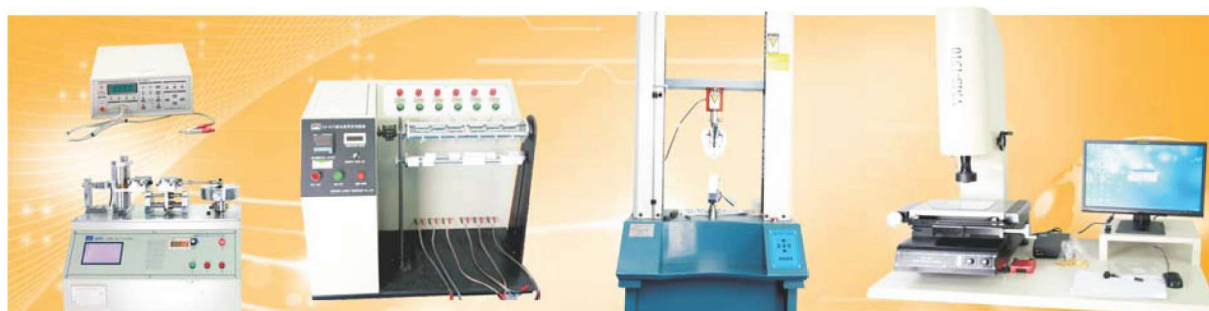
By using worldwide network of distributors we ensure that we can meet our customers' waterproof connector needs in a way that best suits their local situation.



Equipment	Equipment Capacity	Testing Item
Thermal Shock Tester	-40°C~150°C From room temp.to 150°C require about 30min From low temp.to 40°C require B48about 80min	Product life span
IP67 IP68 Positive Pressue Testing	Max.pressure 160KPA Measuring precision 0.01KPA	Waterproof reliability
IP66 Testing Machine	Max.flow 120 litre/min. Max.Hydraulic 2 kg/cm <sup>2</sup> (20M spout)	Waterproof reliability
Universal Testing Machine	Loading:10000kg/cm <sup>2</sup> Stress:2.0kg/cm <sup>2</sup> .sec Speed:50.0mm/min Strain speed:10%/min	Test the coefficient of elasticity, Yield Strength,tensile strength, Percent Elongation,compression, bending,shearing strength,tearing, etc.These information could be used as design and research reference
Coating thickness Tester	X Ray Tube high pressure:50KV X Ray Tube electric current:800uA	Test coating and plating thickness, analyze material
Vibration Testing Machine	5~100Hz. Vibration 0~8 section 10Hz~55Hz. 30SEC~55Hz~10Hz. 30SEC/120 cycle	Structure strength,the loosing and wear & tear of joint item.The connection.short circuit, etc of assembled item.
Programmable Environmental Tester	-40°C~105°C.20~98%RH H:+105°C 5Min~30Min L:-40°C 70Min	Temperature circulation
2.5 image measurer	Optics magnifying rate: 0.7 ~ 4.5X Image magnifying rate: 41.5 ~ 266.4X Dpi:0.001mm	Inspection of precision component
Salt Water Spray Tester	Spraying pressure:1.0±0.1kg/cm <sup>2</sup> Spraying quantity:1~2ml/80cm <sup>2</sup> /h Heating time:40min	Anti-corrosion test
Torque Tester	0.3kgf/cm~40kgf/cm	Twisting test
Drop Test Machine	Max.volume of testinitem:80*80*80CM(L*M*H)	Test the anti-vibration and protection of packaging and product
AC LOW-ohm	Resistance testing range:20mΩ~2mΩ	Precise resistance
Bending Tester	Bending angle:45°.60°.90°.180° Bending speed:20~60CPM Loading:100g.200g.300g.500g R=5mm	The bending endurable of wire product join.
Insulation Resistance and Withstanding Voltage Tester	AC:0.05~5KV 0.1mA~30mA DC:0.05~6KV 0.01mA~15mA	Product voltage durable capacity
Flaming Tester	Flame height:100120mm Burning angle 20°	VW-burning Test



Equipment	Equipment Capacity	Testing Item
Ultraviolet Test Chamber	Inner chamber size:460*300*350mm UV Tube:GL 15(watt)*2	Anti ultraviolet test
Insertion & Pull Force Tester	Loading:5~50kg Speed:0~100mm/min	Simulating product life-span
X Ray fluorescent Spectrometer	Pb 700ppm Cd 70ppm Hg 700ppm Cr 700ppm Br 700ppm	Product, component, packaging
Microscope	7X~45X	Precise component inspection
Projector	Magnification:10~100X Dpi:0.001mm Max.height of workpiece:123.5mm Max.weight bearing:8kg	Measuring size
Electric Screwdriver Torque Corrector	Measuring range:0.01~10N.m / 0.1~100kgf.cm/0.1~90lbf.in	Correcting torque
Force Tester	Capacity 0~20 kgf	Test the tensile strength of product joint Test the pushing force of pin joint
A Type Sclerometer	Range 0~100°	Test the hardness of material surface or its section
DC Power Supply	60V 1.5A	Direct current
Electricity examining machine	6500HV 1.Voltage :DC 15V 2.Testing point:128 3.Speed:128 point/0.2sec 4.Isolation:500KΩ~10MΩ 5.Connecting:100Ω~10KΩ	1.Connecting 1.1 Malposition Test 1.2 Broken circuit Test 1.3 Short circuit Test 2. Isolation Test
Press-Pull Force Tester	Capacity 0~20 kgf	Testing the tensile strength of product joint Testing the thrust-resistance of PIN joint
Automatic Vacuum Tester	760 Hg/mm	Product vacuumity
Flat-iron temperature measure	Range of Measurement 100~600°C Precision ±3°C(in 300°C~500°C range)	Flat-Iron temperature measuring
Network Analyzer	Cat6.0 250MHz	Measuring the transmission speed of network wiring
Desktop Multi-function ammeter	600V 10A	Alternating Current, Direct Current, Resistance ,Diode
Programmable Power Supply	0~32v(3A)	Direct current
IC Simulator	Simulating of single chip	Single chip
DC Load Machine	6A-60A 16V-80V 300W	Direct load
Alternating Power Supply	1150W 1600VA	Alternating current



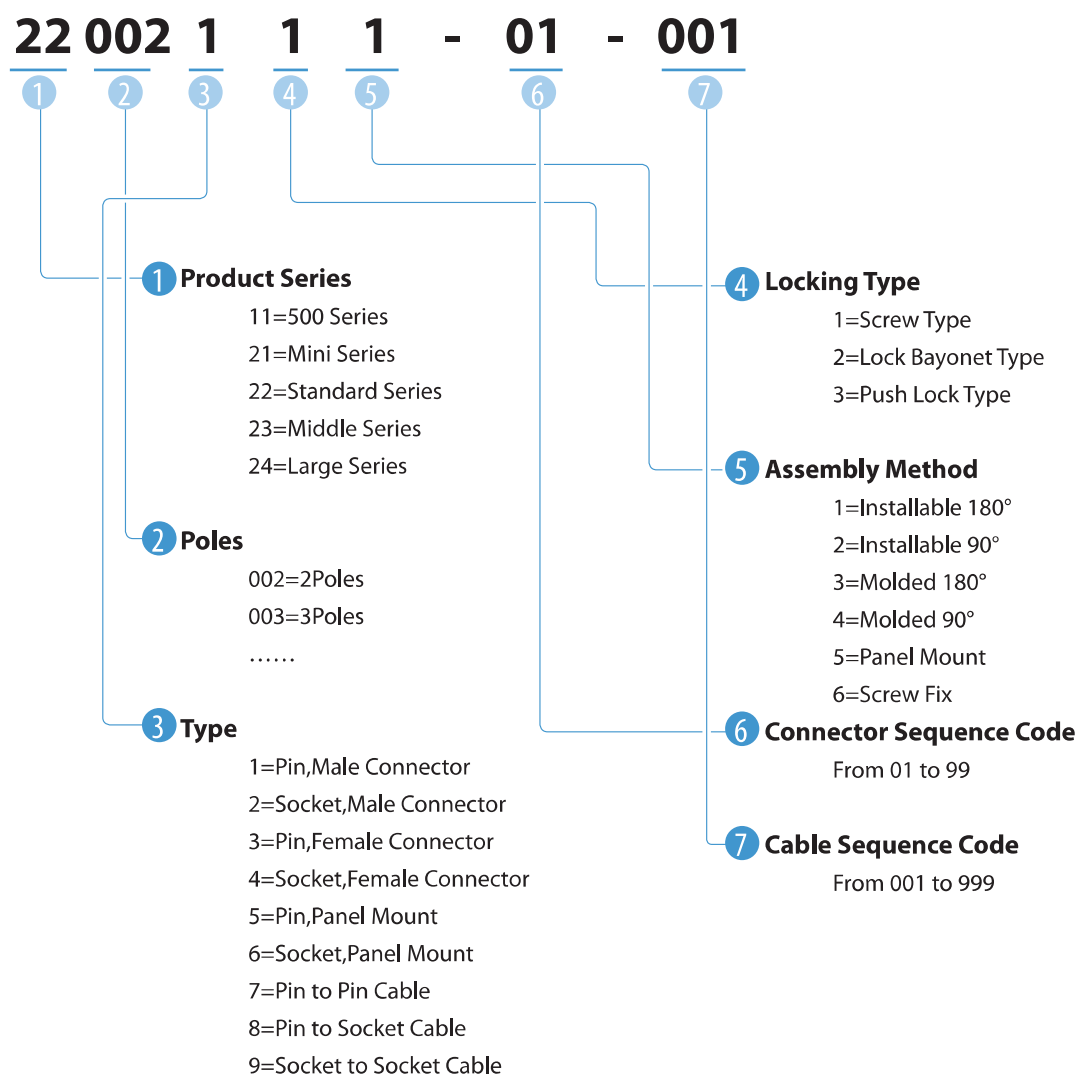


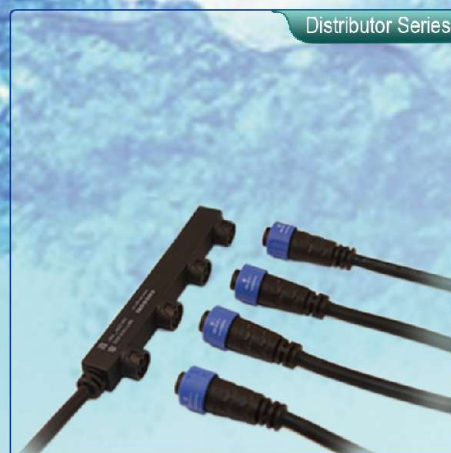




## How To Order

## 500, Mini, Standard, Middle, Large





# Contents

1. 500 Series-----	P16-P21
2. Mini Series-----	P22-P36
3. Standard Series-----	P37-P54
4. Middle Series-----	P55-P77
5. Large Series-----	P78-P93
6. Distuibutor Series-----	P94-P99
7. RJ45 Series-----	P100-P105
8. USB Series-----	P106-P112
9. D-Sub Series-----	P113-P118
10. T-Adapter Series-----	P119-P121
11. Splitter Series-----	P122
12. M15 Series-----	P123-P126
13. CAC3 Series-----	P127-P130
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15. IDC Large Series-----	P135
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2. 500 Series, Front Panel Mount & Female Pin.....P19
3. 500 Series, Male connector & Male Pin.....P20
4. 500 Series, Female connector & Female Pin.....P21



## CHOGORI

### 1 Strip and prepare Cable



### 2 Thread Seals Nut, Seals Ring and Clamp Ring onto the cable.



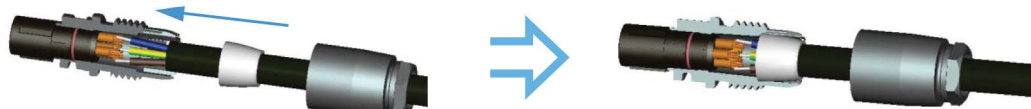
### 3 Solder wire



### 4 Assemble the Housing into Clamp ring:



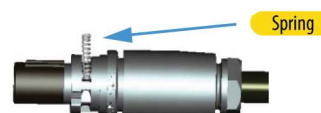
### 5 Put Seals Ring to the end of Clamp Ring.



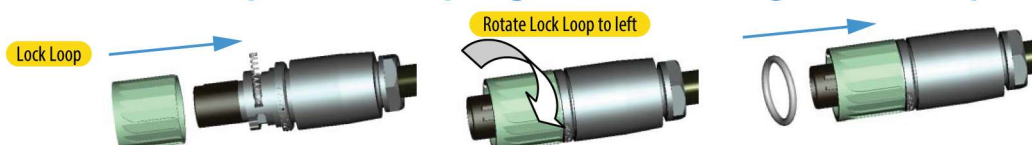
### 6 Assemble Seals Nut and Clamp Ring.



### 7 Assemble Spring on the Clamp ring.



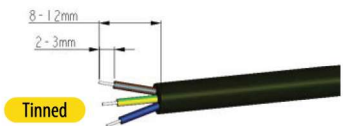
### 8 Assemble Lock Loop on the Clamp ring, Assemble O-Ring into lock loop



CHOGORI

1

Strip and prepare Cable



2

Thread Seals Nut,Seals Ring and Clamp Ring onto the cable.



3

Solder wire



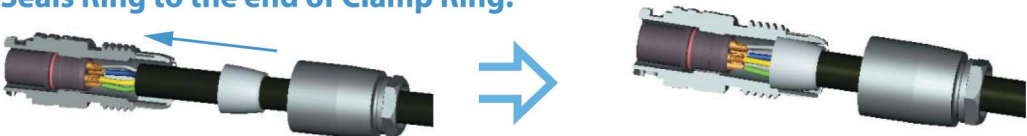
4

Fix Housing into Clamp ring.



5

Put Seals Ring to the end of Clamp Ring.



6

Assemble Seals Nut and Clamp Ring.





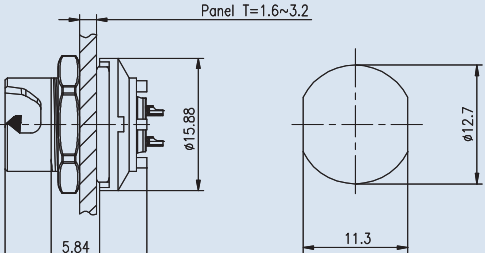
# 500 SERIES




## CHOGORI

### 500 Series Specifications

#### 500 Series , Front Panel Mount & Female Pin

Description	Front Panel Push Lock Type, Solder
Figure	

Drawing	 <p>Panel Cut-Out</p>
---------	---

Part-No.	Contacts	Part-Number
	1	11001635-01
	2	11002635-01 
	3	11003635-01 
	4	11004635-01
	2+2	11202635-01
	5	11005635-01
	6	11006635-01
	7	11007635-01
	8	11008635-01
	10	11010635-01 
	14	11014635-01




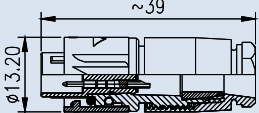
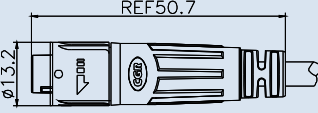
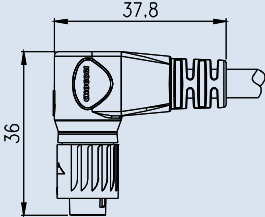
Specifications											
Number of Contacts	1	2	3	4	2+2	5	6	7	8	10	14
Wire Gauge	0.34mm <sup>2</sup> (22AWG)									0.14mm <sup>2</sup> (26AWG)	
Panel Thickness	1.6mm - 3.2mm										
Environmental Protection	IP65/IP67										
Mechanical Life	500 mating cycles										
Operating Temperature	- 45℃ - 105℃										
Voltage Rating	110V	110V	110V	110V	110V	60V	60V	60V	60V	30V	30V
Rated Current(40℃)	2A	2A	2A	2A	5A+2A	2A	2A	2A	2A	1A	1A










# 500 SERIES

## CHOGORI

### 500 Series Specifications

#### 500 Series , Male Connector & Male Pin

Description	Field Installable, 180° Push Lock Type, Solder	Molded, 180° Push Lock Type, Solder	Molded, 90° Push Lock Type, Solder
Figure			
Drawing			

Part-No.	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
	1	2.9 - 6.3	11001131-01	1	Max. 6.3	11001133-01-XXX	1	2.9 - 6.3	11001134-01-XXX
	2	2.9 - 6.3	11002131-01 	2	Max. 6.3	11002133-01-XXX 	2	2.9 - 6.3	11002134-01-XXX 
	3	2.9 - 6.3	11003131-01 	3	Max. 6.3	11003133-01-XXX 	3	2.9 - 6.3	11003134-01-XXX 
	4	2.9 - 6.3	11004131-01	4	Max. 6.3	11004133-01-XXX	4	2.9 - 6.3	11004134-01-XXX
	2+2	2.9 - 6.3	11202131-01	2+2	Max. 6.3	11202133-01-XXX	2+2	2.9 - 6.3	11202134-01-XXX
	5	2.9 - 6.3	11005131-01	5	Max. 6.3	11005133-01-XXX	5	2.9 - 6.3	11005134-01-XXX
	6	2.9 - 6.3	11006131-01	6	Max. 6.3	11006133-01-XXX	6	2.9 - 6.3	11006134-01-XXX
	7	2.9 - 6.3	11007131-01	7	Max. 6.3	11007133-01-XXX	7	2.9 - 6.3	11007134-01-XXX
	8	2.9 - 6.3	11008131-01	8	Max. 6.3	11008133-01-XXX	8	2.9 - 6.3	11008134-01-XXX
	10	2.9 - 6.3	11010131-01 	10	Max. 6.3	11010133-01-XXX 	10	2.9 - 6.3	11010134-01-XXX 
	14	2.9 - 6.3	11014131-01	14	Max. 6.3	11014133-01-XXX	14	2.9 - 6.3	11014134-01-XXX

#### Specifications



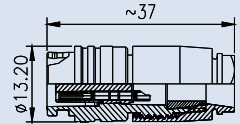
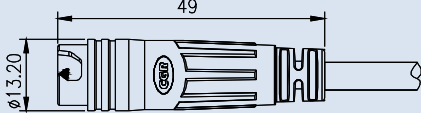
Number of Contacts	1	2	3	4	2+2	5	6	7	8	10	14
Wire Gauge	0.34mm <sup>2</sup> (22AWG)									0.14mm <sup>2</sup> (26AWG)	
Cable Range	2.9mm - 6.3mm										
Environmental Protection	IP65/IP67										
Mechanical Life	500 mating cycles										
OperatingTemperature	- 45℃ - 105℃										
Voltage Rating	110V	110V	110V	110V	110V	60V	60V	60V	60V	30V	30V
Rated Current(40℃)	2A	2A	2A	2A	5A+2A	2A	2A	2A	2A	1A	1A







# 500 SERIES

## CHOGORI

### 500 Series Specifications

#### 500 Series , Female connector & Female Pin

Description	Field Installable, 180° Push Lock Type, Solder	Molded, 180° Push Lock Type, Solder
Figure		
Drawing		

Part-No.	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
	1	2.9 - 6.3	11001431-01	1	Max. 6.3	11001433-01-XXX
	2	2.9 - 6.3	11002431-01 	2	Max. 6.3	11002433-01-XXX 
	3	2.9 - 6.3	11003431-01 	3	Max. 6.3	11003433-01-XXX 
	4	2.9 - 6.3	11004431-01	4	Max. 6.3	11004433-01-XXX
	2+2	2.9 - 6.3	11202431-01	2+2	Max. 6.3	11202433-01-XXX
	5	2.9 - 6.3	11005431-01	5	Max. 6.3	11005433-01-XXX
	6	2.9 - 6.3	11006431-01	6	Max. 6.3	11006433-01-XXX
	7	2.9 - 6.3	11007431-01	7	Max. 6.3	11007433-01-XXX
	8	2.9 - 6.3	11008431-01	8	Max. 6.3	11008433-01-XXX
	10	2.9 - 6.3	11010431-01 	10	Max. 6.3	11010423-01-XXX 
	14	2.9 - 6.3	11014431-01	14	Max. 6.3	11014433-01-XXX

Specifications										
Number of Contacts	1	2	3	4	2+2	5	6	7	8	10
Wire Gauge	0.34mm <sup>2</sup> (22AWG)								0.14mm <sup>2</sup> (26AWG)	
Cable Range	2.9mm - 6.3mm									
Environmental Protection	IP65/IP67									
Mechanical Life	500 mating cycles									
Operating Temperature	- 45℃ - 105℃									
Voltage Rating	110V	110V	110V	110V	110V	60V	60V	60V	60V	30V
Rated Current(40℃)	2A	2A	2A	2A	5A+2A	2A	2A	2A	2A	1A



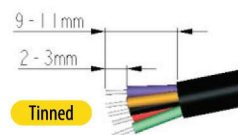
1. Mini Series, Assembly Instruction.....	P23
2. Mini Series, Front Panel Mount & Male Pin .....	P24–P25
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4. Mini Series, Male connector & Female Pin.....	P27–P29
5. Mini Series, Front Panel Mount & Female Pin.....	P30
6. Mini Series, Rear Panel Mount & Female Pin.....	P31
7. Mini Series, Male connector & Male Pin .....	P32–P33
8. Mini Series, Female connector & Male Pin.....	P34–P35
9. Mini Series, Female connector & Female Pin.....	P36



## CHOGORI

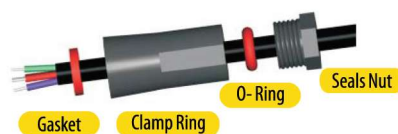
1

**Strip and prepare Cable.**



2

**Thread Seals Nut, O- Ring, Clamp Ring and Gasket onto the cable.**



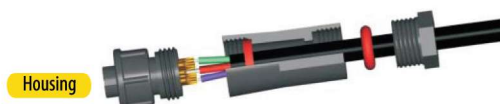
3

**Solder wire**



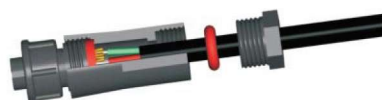
4

**Assemble Gasket into Clamp ring: Gasket Direction (Flat Surface to Housing)**



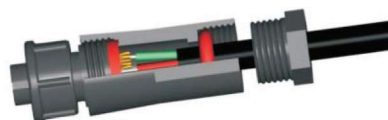
5

**Assemble Clamp Ring to Housing**



6

**Put O-Ring to the Clamp Ring.**



7

**Assemble Seals Nut and Clamp Ring.**



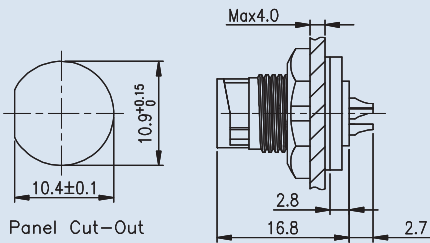
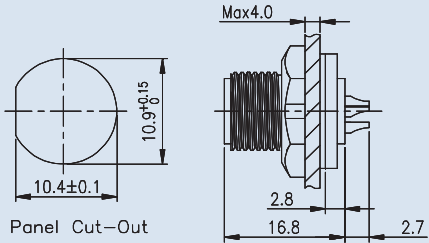
# MINI SERIES

## CHOGORI

### MINI Series Specifications

#### Mini Series , Front Panel Mount & Male pin

Description	Front Panel Mount Lock Bayonet Type, Solder	Front Panel Mount Screw Type, Solder
Figure		

Drawing		
---------	--	---

Part-No.	Contacts	Part-Number	Contacts	Part-Number
	2	21002525-01 	2	21002515-01 
	3	21003525-01 	3	21003515-01 
	4(5A)	21004525-01	4(5A)	21004515-01
	4(2A)	21004525-02	4(2A)	21004515-02
	5	21005525-01 	5	21005515-01 
	6	21006525-01 	6	21006515-01 
	2+4	21204525-01	2+4	21204515-01
	7	21007525-01 	7	21007515-01 
	8	21008525-01 	8	21008515-01 

#### Specifications

Number of Contacts	2	3	4	4	5	6	2+4	7	8
Wire Gauge	0.519mm <sup>2</sup> (20AWG)			0.34mm <sup>2</sup> (22AWG)					
Panel Thickness	Max. 4.0mm								
Environmental Protection	IP67/IP68								
Mechanical Life	500 mating cycles								
OperatingTemperature	- 45℃ - 105℃								
Voltage Rating	110V	110V	110V	110V	50V	50V	50V	50V	50V
Rated Current(40℃)	5A	5A	5A	2A	2A	2A	5+2A	2A	2A



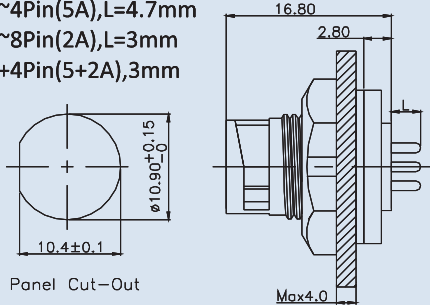
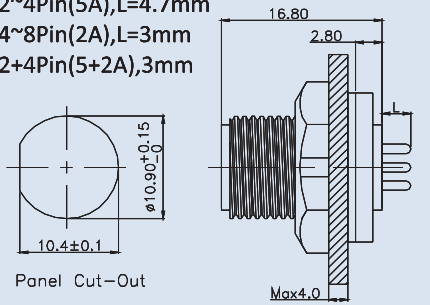
# MINI SERIES

## CHOGORI

### MINI Series Specifications

#### Mini Series , Front Panel Mount & Male pin

Description	Front Panel Mount Lock Bayonet Type, PCB	Front Panel Mount Screw Type, PCB
Figure		

Drawing	<p>2~4Pin(5A),L=4.7mm 4~8Pin(2A),L=3mm 2+4Pin(5+2A),3mm</p>  <p>Panel Cut-Out</p>	<p>2~4Pin(5A),L=4.7mm 4~8Pin(2A),L=3mm 2+4Pin(5+2A),3mm</p>  <p>Panel Cut-Out</p>
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Part-No.	Contacts	Part-Number	Contacts	Part-Number
	2	21002525-02	2	21002515-02
	3	21003525-02	3	21003515-02
	4(2A)	21004525-05	4(2A)	21004515-05
	4(5A)	21004525-06	4(5A)	21004515-06
	5	21005525-02	5	21005515-02
	6	21006525-02	6	21006515-02
	2+4	21204525-02	2+4	21204515-02
	7	21007525-02	7	21007515-02
	8	21008525-02	8	21008515-02

#### Specifications

Number of Contacts	2	3	4	4	5	6	2+4	7	8
Wire Gauge	0.519mm <sup>2</sup> (20AWG)			0.34mm <sup>2</sup> (22AWG)					
Panel Thickness	Max. 4.0mm								
Environmental Protection	IP67/IP68								
Mechanical Life	500 mating cycles								
Operating Temperature	- 45℃ - 105℃								
Voltage Rating	110V	110V	110V	110V	50V	50V	50V	50V	50V
Rated Current(40℃)	5A	5A	5A	2A	2A	2A	5+2A	2A	2A

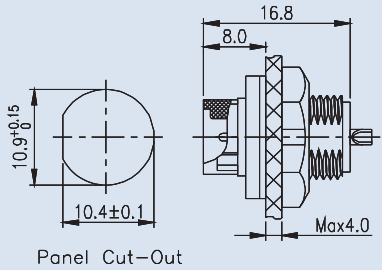
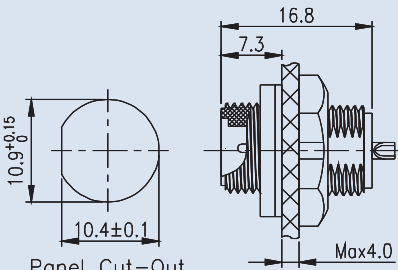
# MINI SERIES













## CHOGORI

### MINI Series Specifications

#### Mini Series , Rear Panel Mount & Male pin

Description	Rear Panel Mount Lock Bayonet Type, Solder	Rear Panel Mount Screw Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Part-Number	Contacts	Part-Number
	2	21002525-03 	2	21002515-03 
	3	21003525-03 	3	21003515-03 
	4(5A)	21004525-03	4(5A)	21004515-03
	4(2A)	21004525-04	4(2A)	21004515-04
	5	21005525-03 	5	21005515-03 
	6	21006525-03 	6	21006515-03 
	2+4	21204525-03	2+4	21204515-03
	7	21007525-03 	7	21007515-03 
	8	21008525-03 	8	21008515-03 

#### Specifications

Number of Contacts	2	3	4	4	5	6	2+4	7	8
Wire Gauge	0.519mm <sup>2</sup> (20AWG)			0.34mm <sup>2</sup> (22AWG)					
Panel Thickness	Max. 4.0mm								
Environmental Protection	IP67/IP68								
Mechanical Life	500 mating cycles								
Operating Temperature	- 45℃ - 105℃								
Voltage Rating	110V	110V	110V	110V	50V	50V	50V	50V	50V
Rated Current(40℃)	5A	5A	5A	2A	2A	2A	5+2A	2A	2A

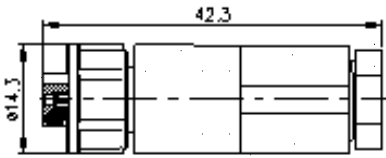
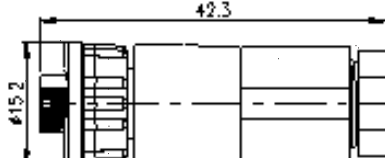
# MINI SERIES













## CHOGORI

### MINI Series Specifications

#### Mini Series, Male connector & Female pin

Description	Field Installable, 180° Lock Bayonet Type, Solder	Field Installable, 180° Screw Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
	2	3.5 - 6.8	21002221-01 	2	3.5 - 6.8	21002211-01 
	3	3.5 - 6.8	21003221-01 	3	3.5 - 6.8	21003211-01 
	4(5A)	3.5 - 6.8	21004221-01	4(5A)	3.5 - 6.8	21004211-01
	4(2A)	3.5 - 6.8	21004221-02	4(2A)	3.5 - 6.8	21004211-02
	5	3.5 - 6.8	21005221-01 	5	3.5 - 6.8	21005211-01 
	6	3.5 - 6.8	21006221-01 	6	3.5 - 6.8	21006211-01 
	2+4	3.5 - 6.8	21204221-01	2+4	3.5 - 6.8	21204211-01
	7	3.5 - 6.8	21007221-01 	7	3.5 - 6.8	21007211-01 
	8	3.5 - 6.8	21008221-01 	8	3.5 - 6.8	21008211-01 

#### Specifications

Number of Contacts	2	3	4	4	5	6	2+4	7	8
Wire Gauge	0.519mm <sup>2</sup> (20AWG)			0.34mm <sup>2</sup> (22AWG)					
Cable Range	3.5mm - 6.8mm								
Environmental Protection	IP67/IP68								
Mechanical Life	500 mating cycles								
Operating Temperature	- 45°C - 105°C								
Voltage Rating	110V	110V	110V	110V	50V	50V	50V	50V	50V
Rated Current(40°C)	5A	5A	5A	2A	2A	2A	5+2A	2A	2A



# MINI SERIES

## CHOGORI

### MINI Series Specifications

#### Mini Series , Male connector & Female pin

##### Description

Molded, 180°  
Lock Bayonet Type, Solder

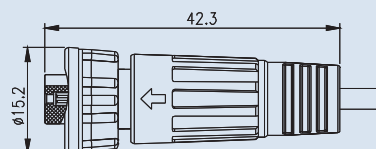
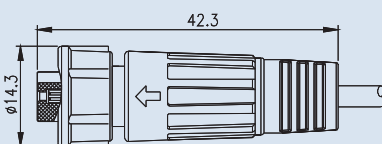
##### Figure







Molded, 180°  
Screw Type, Solder



##### Drawing



##### Part-No.

Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
2	max7.2	21002223-01-XXX 	2	max7.2	21002213-01-XXX 
3	max7.2	21003223-01-XXX 	3	max7.2	21003213-01-XXX 
4(5A)	max7.2	21004223-01-XXX	4(5A)	max7.2	21004213-01-XXX
4(2A)	max7.2	21004223-02-XXX	4(2A)	max7.2	21004213-02-XXX
5	max7.2	21005223-01-XXX	5	max7.2	21005213-01-XXX
6	max7.2	21006223-01-XXX	6	max7.2	21006213-01-XXX
2+4	max7.2	21204223-01-XXX	2+4	max7.2	21204213-01-XXX
7	max7.2	21007223-01-XXX	7	max7.2	21007213-01-XXX
8	max7.2	21008223-01-XXX	8	max7.2	21008213-01-XXX

#### Specifications

Number of Contacts	2	3	4	4	5	6	2+4	7	8
Wire Gauge	0.519mm <sup>2</sup> (20AWG)			0.34mm <sup>2</sup> (22AWG)					
Cable Range	Max. 7.2mm								
Environmental Protection	IP67								
Mechanical Life	500 mating cycles								
OperatingTemperature	- 40℃ - 80℃								
Voltage Rating	110V	110V	110V	110V	50V	50V	50V	50V	50V
Rated Current(40℃)	5A	5A	5A	2A	2A	2A	5+2A	2A	2A

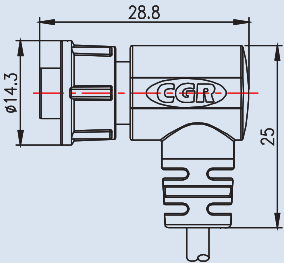
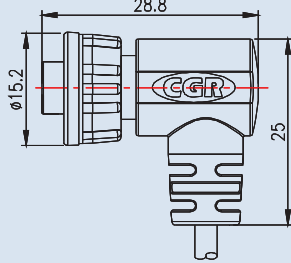
# MINI SERIES





## CHOGORI

### MINI Series Specifications

#### Mini Series , Male connector & Female pin

Description	Molded, 90° Lock Bayonet Type, Solder	Molded, 90° Screw Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
	2	max7.2	21002224-01-XXX 	2	max7.2	21002214-01-XXX 
	3	max7.2	21003224-01-XXX 	3	max7.2	21003214-01-XXX 
	4(5A)	max7.2	21004224-01-XXX	4(5A)	max7.2	21004214-01-XXX
	4(2A)	max7.2	21004224-02-XXX	4(2A)	max7.2	21004214-02-XXX
	5	max7.2	21005224-01-XXX	5	max7.2	21005214-01-XXX
	6	max7.2	21006224-01-XXX	6	max7.2	21006214-01-XXX
	2+4	max7.2	21204224-01-XXX	2+4	max7.2	21204214-01-XXX
	7	max7.2	21007224-01-XXX	7	max7.2	21007214-01-XXX
	8	max7.2	21008224-01-XXX	8	max7.2	21008214-01-XXX

#### Specifications

Number of Contacts	2	3	4	4	5	6	2+4	7	8
Wire Gauge	0.519mm <sup>2</sup> (20AWG)			0.34mm <sup>2</sup> (22AWG)					
Cable Range	Max. 7.2mm								
Environmental Protection	IP67								
Mechanical Life	500 mating cycles								
Operating Temperature	- 40℃ - 80℃								
Voltage Rating	110V	110V	110V	110V	50V	50V	50V	50V	50V
Rated Current(40℃)	5A	5A	5A	2A	2A	2A	5+2A	2A	2A

# MINI SERIES

## CHOGORI

### MINI Series Specifications

#### Mini Series , Front Panel Mount & Female pin

Description	Front Panel Mount Lock Bayonet Type, Solder		Front Panel Mount Screw Type, Solder	
	Figure		Figure	
Drawing	Figure		Figure	
	Figure		Figure	
Part-No.	Contacts	Part-Number	Contacts	Part-Number
	2	21002625-01	2	21002615-01
	3	21003625-01	3	21003615-01
	4	21004625-01	4	21004615-01
Description	Front Panel Mount Lock Bayonet Type, PCB		Front Panel Mount Screw Type, PCB	
	Figure		Figure	
Drawing	Figure		Figure	
	Figure		Figure	
Part-No.	Contacts	Part-Number	Contacts	Part-Number
	2	21002625-02	2	21002615-02
	3	21003625-02	3	21003615-02
	4	21004625-02	4	21004615-02

#### Specifications

Number of Contacts	2	3	4
Wire Gauge	0.519mm <sup>2</sup> (20AWG)		0.34mm <sup>2</sup> (22AWG)
Panel Thickness	Max. 4.0mm		
Environmental Protection	IP67/IP68		
Mechanical Life	500 mating cycles		
Operating Temperature	- 45℃ - 105℃		
Voltage Rating	50V		
Rated Current(40℃)	5A		





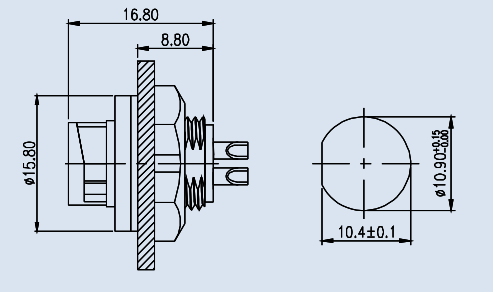
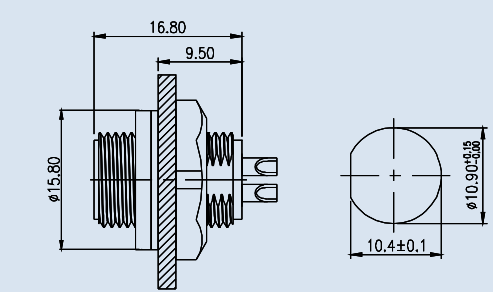
# MINI SERIES

## CHOGORI

### MINI Series Specifications

#### Mini Series , Rear Panel Mount & Female pin

Description	Rear Panel Mount Lock Bayonet Type, Solder	Rear Panel Mount Screw Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Part-Number	Contacts	Part-Number
	2	21002625-03	2	21002615-03
	3	21003625-03	3	21003615-03
	4	21004625-03	4	21004615-03

#### Specifications

Number of Contacts	2	3	4
Wire Gauge	0.519mm <sup>2</sup> (20AWG)		0.34mm <sup>2</sup> (22AWG)
Panel Thickness	Max. 4.0mm		
Environmental Protection	IP67/IP68		
Mechanical Life	500 mating cycles		
Operating Temperature	- 45℃ - 105℃		
Voltage Rating	50V		
Rated Current(40℃)	5A		

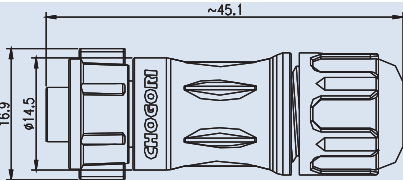
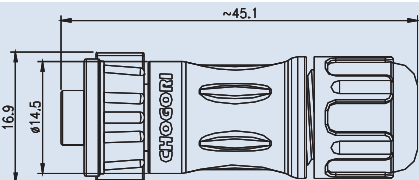
# MINI SERIES

## CHOGORI



### MINI Series Specifications

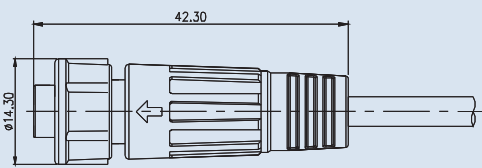
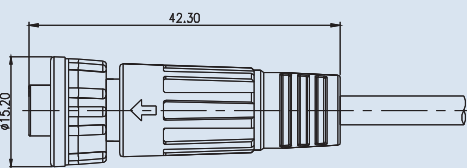
#### Mini Series Male connector & Male pin

Description	Field Installable, 180° Lock Bayonet Type, Solder	Field Installable, 180° Screw Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
	2	3.5 - 6.8	21002121-01	2	3.5 - 6.8	21002111-01
	3	3.5 - 6.8	21003121-01	3	3.5 - 6.8	21003111-01
	4	3.5 - 6.8	21004121-01	4	3.5 - 6.8	21004111-01

Description	Molded, 180° Lock Bayonet Type, Solder	Molded, 180° Screw Type, Solder
Figure		

Drawing		
---------	---	--

Part-No.	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
	2	3.5 - 6.8	21002123-01-XXX	2	3.5 - 6.8	21002113-01-XXX
	3	3.5 - 6.8	21003123-01-XXX	3	3.5 - 6.8	21003113-01-XXX
	4	3.5 - 6.8	21004123-01-XXX	4	3.5 - 6.8	21004113-01-XXX



Specifications			
Number of Contacts	2	3	4
Wire Gauge	0.519mm <sup>2</sup> (20AWG)		0.34mm <sup>2</sup> (22AWG)
Cable Range	3.5mm - 6.8mm		
Environmental Protection	IP67		
Mechanical Life	500 mating cycles		
Operating Temperature	- 40℃ - 80℃		
Voltage Rating	50V		
Rated Current(40℃)	5A		

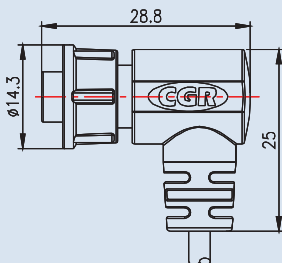
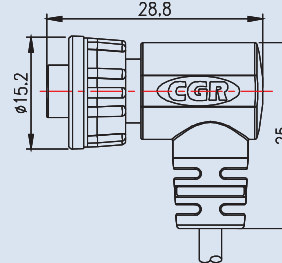
# MINI SERIES

## CHOGORI

### MINI Series Specifications

#### Mini Series , Male connector & Male pin

Description	Molded, 90° Lock Bayonet Type, Solder	Molded, 90° Screw Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
	2	Max. 7.2	21002124-02-XXX	2	Max. 7.2	21002114-02-XXX
	3	Max. 7.2	21003124-02-XXX	3	Max. 7.2	21003114-02-XXX
	4	Max. 7.2	21004124-02-XXX	4	Max. 7.2	21004114-02-XXX

#### Specifications

Number of Contacts	2	3	4
Wire Gauge	0.519mm <sup>2</sup> (20AWG)	0.34mm <sup>2</sup> (22AWG)	
Cable Range	0.519mm <sup>2</sup> (20AWG)		0.34mm <sup>2</sup> (22AWG)
Environmental Protection	IP67		
Mechanical Life	500 mating cycles		
Operating Temperature	- 40℃ - 80℃		
Voltage Rating	50V		
Rated Current(40℃)	5A		



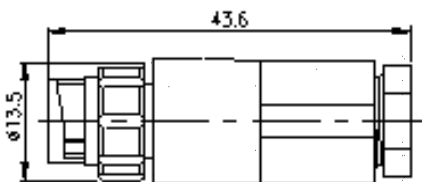
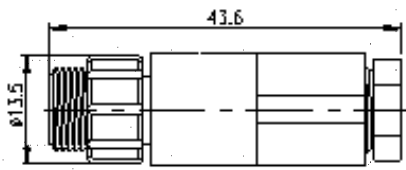
# MINI SERIES













## CHOGORI

### MINI Series Specifications

#### Mini Series , Female connector & Male pin

Description	Field Installable, 180° Lock Bayonet Type, Solder	Field Installable, 180° Screw Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
	2	3.5 - 6.8	21002321-01 	2	3.5 - 6.8	21002311-01 
	3	3.5 - 6.8	21003321-01 	3	3.5 - 6.8	21003311-01 
	4(5A)	3.5 - 6.8	21004321-01	4(5A)	3.5 - 6.8	21004311-01
	4(2A)	3.5 - 6.8	21004321-02	4(2A)	3.5 - 6.8	21004311-02
	5	3.5 - 6.8	21005321-01 	5	3.5 - 6.8	21005311-01 
	6	3.5 - 6.8	21006321-01 	6	3.5 - 6.8	21006311-01 
	2+4	3.5 - 6.8	21204321-01	2+4	3.5 - 6.8	21204311-01
	7	3.5 - 6.8	21007321-01 	7	3.5 - 6.8	21007311-01 
	8	3.5 - 6.8	21008321-01 	8	3.5 - 6.8	21008311-01 



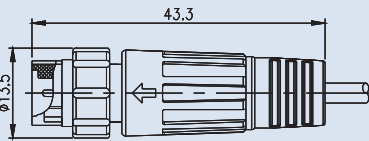
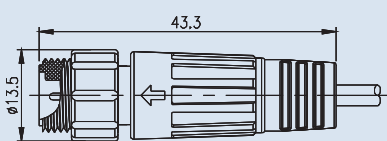












Specifications									
Number of Contacts	2	3	4	4	5	6	2+4	7	8
Wire Gauge	0.519mm <sup>2</sup> (20AWG)			0.34mm <sup>2</sup> (22AWG)					
Cable Range	3.5mm - 6.8mm								
Environmental Protection	IP67/IP68								
Mechanical Life	500 mating cycles								
Operating Temperature	- 45℃ - 105℃								
Voltage Rating	110V	110V	110V	110V	50V	50V	50V	50V	50V
Rated Current(40℃)	5A	5A	5A	2A	2A	2A	5+2A	2A	2A

# MINI SERIES

## CHOGORI

### MINI Series Specifications

#### Mini Series , Female connector & Male pin

Description	Molded, 180° Lock Bayonet Type, Solder	Molded, 180° Screw Type, Solder																																																												
Figure																																																														
Drawing																																																														
Part-No.	<table border="1"> <thead> <tr> <th>Contacts</th><th>Cable Range(mm)</th><th>Part-Number</th></tr> </thead> <tbody> <tr><td>2</td><td>Max. 7.2</td><td>21002323-01-XXX </td></tr> <tr><td>3</td><td>Max. 7.2</td><td>21003323-01-XXX </td></tr> <tr><td>4(5A)</td><td>Max. 7.2</td><td>21004323-01-XXX</td></tr> <tr><td>4(2A)</td><td>Max. 7.2</td><td>21004323-02-XXX</td></tr> <tr><td>5</td><td>Max. 7.2</td><td>21005323-01-XXX</td></tr> <tr><td>6</td><td>Max. 7.2</td><td>21006323-01-XXX</td></tr> <tr><td>2+4</td><td>Max. 7.2</td><td>21204323-01-XXX</td></tr> <tr><td>7</td><td>Max. 7.2</td><td>21007323-01-XXX</td></tr> <tr><td>8</td><td>Max. 7.2</td><td>21008323-01-XXX</td></tr> </tbody> </table>	Contacts	Cable Range(mm)	Part-Number	2	Max. 7.2	21002323-01-XXX 	3	Max. 7.2	21003323-01-XXX 	4(5A)	Max. 7.2	21004323-01-XXX	4(2A)	Max. 7.2	21004323-02-XXX	5	Max. 7.2	21005323-01-XXX	6	Max. 7.2	21006323-01-XXX	2+4	Max. 7.2	21204323-01-XXX	7	Max. 7.2	21007323-01-XXX	8	Max. 7.2	21008323-01-XXX	<table border="1"> <thead> <tr> <th>Contacts</th><th>Cable Range(mm)</th><th>Part-Number</th></tr> </thead> <tbody> <tr><td>2</td><td>Max. 7.2</td><td>21002313-01-XXX </td></tr> <tr><td>3</td><td>Max. 7.2</td><td>21003313-01-XXX </td></tr> <tr><td>4(5A)</td><td>Max. 7.2</td><td>21004313-01-XXX</td></tr> <tr><td>4(2A)</td><td>Max. 7.2</td><td>21004313-02-XXX</td></tr> <tr><td>5</td><td>Max. 7.2</td><td>21005313-01-XXX</td></tr> <tr><td>6</td><td>Max. 7.2</td><td>21006313-01-XXX</td></tr> <tr><td>2+4</td><td>Max. 7.2</td><td>21204313-01-XXX</td></tr> <tr><td>7</td><td>Max. 7.2</td><td>21007313-01-XXX</td></tr> <tr><td>8</td><td>Max. 7.2</td><td>21008313-01-XXX</td></tr> </tbody> </table>	Contacts	Cable Range(mm)	Part-Number	2	Max. 7.2	21002313-01-XXX 	3	Max. 7.2	21003313-01-XXX 	4(5A)	Max. 7.2	21004313-01-XXX	4(2A)	Max. 7.2	21004313-02-XXX	5	Max. 7.2	21005313-01-XXX	6	Max. 7.2	21006313-01-XXX	2+4	Max. 7.2	21204313-01-XXX	7	Max. 7.2	21007313-01-XXX	8	Max. 7.2	21008313-01-XXX
Contacts	Cable Range(mm)	Part-Number																																																												
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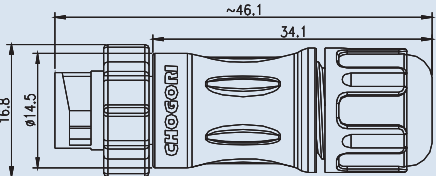
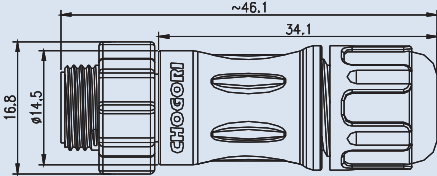


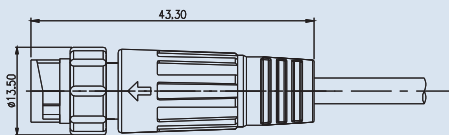
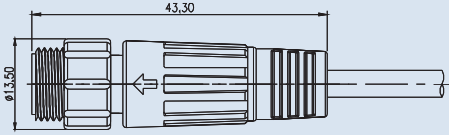
Specifications									
Number of Contacts	2	3	4	4	5	6	2+4	7	8
Wire Gauge	0.519mm <sup>2</sup> (20AWG)			0.34mm <sup>2</sup> (22AWG)					
Cable Range	Max. 7.2mm								
Environmental Protection	IP67								
Mechanical Life	500 mating cycles								
Operating Temperature	- 40℃ - 80℃								
Voltage Rating	110V	110V	110V	110V	50V	50V	50V	50V	50V
Rated Current(40℃)	5A	5A	5A	2A	2A	2A	5+2A	2A	2A

# MINI SERIES

## CHOGORI

### MINI Series Specifications

#### Mini Series , Female connector & Female pin

Description	Field Installable, 180° Lock Bayonet Type, Solder			Field Installable, 180° Screw Type, Solder		
						
Drawing						
Part-No.	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
	2	3.5 - 6.8	21002421-01	2	3.5 - 6.8	21002411-01
	3	3.5 - 6.8	21003421-01	3	3.5 - 6.8	21003411-01
	4	3.5 - 6.8	21004421-01	4	3.5 - 6.8	21004411-01
Description	Molded, 180° Lock Bayonet Type, Solder			Molded, 180° Screw Type, Solder		
						
Drawing						
Part-No.	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
	2	3.5 - 6.8	21002423-01-XXX	2	3.5 - 6.8	21002413-01-XXX
	3	3.5 - 6.8	21003423-01-XXX	3	3.5 - 6.8	21003413-01-XXX
	4	3.5 - 6.8	21004423-01-XXX	4	3.5 - 6.8	21004413-01-XXX

#### Specifications

Number of Contacts	2	3	4
Wire Gauge	0.519mm <sup>2</sup> (20AWG)		0.34mm <sup>2</sup> (22AWG)
Cable Range	3.5mm - 6.8mm		
Environmental Protection	IP67		
Mechanical Life	500 mating cycles		
Operating Temperature	- 40℃ - 80℃		
Voltage Rating	50V		
Rated Current(40℃)	5A		

# Standard Series

1. Standard Series, Assembly Instruction.....P38
2. Standard Series, Panel Mount & Male Pin.....P39–P41
3. Standard Series, Male Connector & Female Pin.....P42–P44
4. Standard Series, Panel Mount & Female Pin.....P45–P47
5. Standard Series, Male Connector & Male Pin.....P48–P50
6. Standard Series, Female Connector & Male Pin.....P51–P52
7. Standard Series, Female Connector & Female Pin.....P53–P54

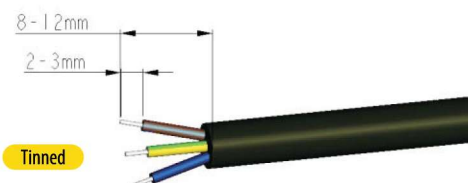




## CHOGORI

1

**Strip and prepare Cable.**



2

**Thread Seals Nut, Seals Ring, Clamp Ring and Gasket onto the cable.**



3

**Solder wire**



4

**Assemble Gasket into Clamp ring: Gasket Direction (Flat Surface to Housing)**



5

**Assemble Clamp Ring to Housing**



6

**Put Seals Ring to the end of Clamp Ring.**



7

**Assemble Seals Nut and Clamp Ring.**



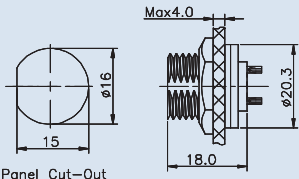
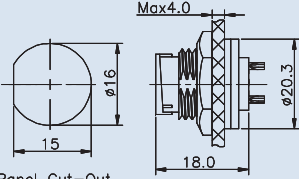
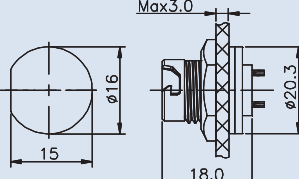
# STANDARD SERIES

## CHOGORI

### Standard Series Specifications

#### Standard Series, Panel Mount & Male Pin

Description	Panel Front Mount, Screw Type, Solder	Panel Front Mount, Lock Bayonet Type, Solder	Panel Front Mount, Push Lock Type, Solder
Figure			

Drawing			
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Part Number	Contacts	Part Number	Contacts	Part Number	Contacts	Part Number
	2	22002515-01	2	22002525-01	2	22002535-01
	3	22003515-01	3	22003525-01	3	22003535-01
	4	22004515-01	4	22004525-01	4	22004535-01
	5	22005515-01	5	22005525-01	5	22005535-01
	6	22006515-01	6	22006525-01	6	22006535-01
	2+4	22204515-01	2+4	22204525-01	2+4	22204535-01
	3+4	22304515-01	3+4	22304525-01	3+4	22304535-01
	8	22008515-01	8	22008525-01	8	22008535-01
	10	22010515-01	10	22010525-01	10	22010535-01
	12	22012515-01	12	22012525-01	12	22012535-01

Specifications										
Number of Contacts	2	3	4	5	6	2+4	3+4	8	10	12
Wire Gauge	0.823mm <sup>2</sup> (18AWG) 1.0 mm <sup>2</sup>		0.823mm <sup>2</sup> (18AWG)	0.519mm <sup>2</sup> (20AWG)		0.823mm <sup>2</sup> (18AWG)*2C/3C 0.519mm <sup>2</sup> (20AWG)*4C		0.519mm <sup>2</sup> (20AWG)	0.34mm <sup>2</sup> (22AWG)	
Panel Thickness	Max. 4.0mm				Max. 4.0mm				Max. 3.0mm	
Environmental Protection	IP68				IP67				IP67	
Mechanical Life	500 mating cycles									
OperatingTemperature	- 45℃ - 105℃									
Voltage Rating	300V	300V	125V	60V	60V	60V	60V	60V	30V	30V
Rated Current (40℃)	10A	10A	10A	5A	5A	10A+5A	10A+2A	5A	2A	2A

# STANDARD SERIES

## CHOGORI

## Standard Series Specifications

### Standard Series, Panel Mount & Male Pin

<p>Description</p>	<p>Panel Front Mount, Screw Type, PCB</p>	<p>Panel Front Mount, Lock Bayonet Type, PCB</p>	<p>Panel Front Mount, Push Lock Type, PCB</p>
<p>Figure</p>			

Drawing

Part Number	Contacts	Part Number	Contacts	Part Number	Contacts	Part Number
	2	22002515-02	2	22002525-02	2	22002535-02
	3	22003515-02	3	22003525-02	3	22003535-02
	4	22004515-02	4	22004525-02	4	22004535-02
	5	22005515-02	5	22005525-02	5	22005535-02
	6	22006515-02	6	22006525-02	6	22006535-02
	2+4	22204515-02	2+4	22204525-02	2+4	22204535-02
	3+4	22304515-02	3+4	22304525-02	3+4	22304535-02
	8	22008515-02	8	22008525-02	8	22008535-02
	10	22010515-02	10	22010525-02	10	22010535-02
	12	22012515-02	12	22012525-02	12	22012535-02

## Specifications

Number of Contacts	2	3	4	5	6	2+4	3+4	8	10	12
Wire Gauge	0.823mm <sup>2</sup> (18AWG) 1.0mm <sup>2</sup>	0.823mm <sup>2</sup> (18AWG)	0.519mm <sup>2</sup> (20AWG)			0.823mm <sup>2</sup> (18AWG)*2C/3C 0.519mm <sup>2</sup> (20AWG)*4C		0.519mm <sup>2</sup> (20AWG)	0.34mm <sup>2</sup> (22AWG)	
Panel Thickness	Max. 4.0mm				Max. 4.0mm				Max. 3.0mm	
Environmental Protection	IP68				IP67				IP67	
Mechanical Life	500 mating cycles									
Operating Temperature	- 45°C - 105°C									
Voltage Rating	300V	300V	125V	60V	60V	60V	60V	60V	30V	30V
Rated Current (40°C)	10A	10A	10A	5A	5A	10A+5A	10A+2A	5A	2A	2A

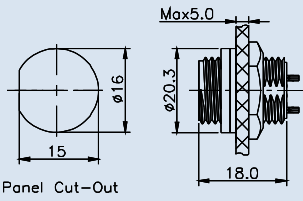
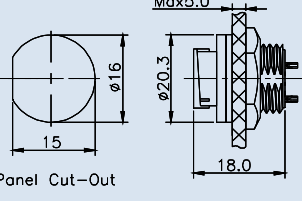
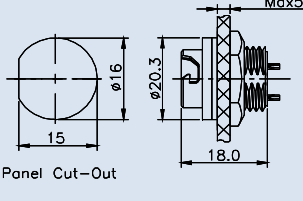
# STANDARD SERIES

## CHOGORI

### Standard Series Specifications

#### Standard Series, Panel Mount & Male Pin

Description	Panel Rear Mount, Screw Type, Solder	Panel Rear Mount, Lock Bayonet Type, Solder	Panel Rear Mount, Push Lock Type, Solder
Figure			

Drawing			
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Part Number	Contacts	Part Number	Contacts	Part Number	Contacts	Part Number
	2	22002515-03	2	22002525-03	2	22002535-03
	3	22003515-03	3	22003525-03	3	22003535-03
	4	22004515-03	4	22004525-03	4	22004535-03
	5	22005515-03	5	22005525-03	5	22005535-03
	6	22006515-03	6	22006525-03	6	22006535-03
	2+4	22204515-03	2+4	22204525-03	2+4	22204535-03
	3+4	22304515-03	3+4	22304525-03	3+4	22304535-03
	8	22008515-03	8	22008525-03	8	22008535-03
	10	22010515-03	10	22010525-03	10	22010535-03
	12	22012515-03	12	22012525-03	12	22012535-03

Specifications										
Number of Contacts	2	3	4	5	6	2+4	3+4	8	10	12
Wire Gauge	0.823mm <sup>2</sup> (18AWG) 1.0mm <sup>2</sup>		0.823mm <sup>2</sup> (18AWG)	0.519mm <sup>2</sup> (20AWG)		0.823mm <sup>2</sup> (18AWG)*2C/3C 0.519mm <sup>2</sup> (20AWG)*4C		0.519mm <sup>2</sup> (20AWG)	0.34mm <sup>2</sup> (22AWG)	
Panel Thickness	Max. 5.0mm				Max. 5.0mm				Max. 5.5mm	
Environmental Protection	IP68				IP67				IP67	
Mechanical Life	500 mating cycles									
OperatingTemperature	- 45℃ - 105℃									
Voltage Rating	300V	300V	125V	60V	60V	60V	60V	60V	30V	30V
Rated Current (40℃)	10A	10A	10A	5A	5A	10A+5A	10A+2A	5A	2A	2A



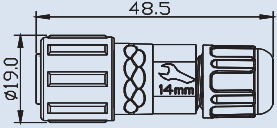
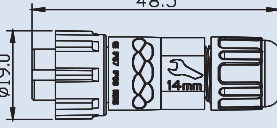
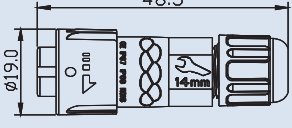
# STANDARD SERIES



















## CHOGORI

### Standard Series Specifications

#### Standard Series, Male Connector & Female Pin

Description	Field Installable, 180° Screw Type, Solder	Field Installable, 180° Lock Bayonet Type, Solder	Field Installable, 180° Push Lock Type, Solder
Figure			

Drawing			
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Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	3.5 - 6.8	22002211-01 	2	3.5 - 6.8	22002221-01 	2	3.5 - 6.8	22002231-01 
	3	3.5 - 6.8	22003211-01 	3	3.5 - 6.8	22003221-01 	3	3.5 - 6.8	22003231-01 
	4	3.5 - 6.8	22004211-01 	4	3.5 - 6.8	22004221-01 	4	3.5 - 6.8	22004231-01 
	5	3.5 - 6.8	22005211-01 	5	3.5 - 6.8	22005221-01 	5	3.5 - 6.8	22005231-01 
	6	3.5 - 6.8	22006211-01 	6	3.5 - 6.8	22006221-01 	6	3.5 - 6.8	22006231-01 
	2+4	3.5 - 6.8	22204211-01	2+4	3.5 - 6.8	22204221-01	2+4	3.5 - 6.8	22204231-01
	3+4	3.5 - 6.8	22304211-01	3+4	3.5 - 6.8	22304221-01	3+4	3.5 - 6.8	22304231-01
	8	3.5 - 6.8	22008211-01 	8	3.5 - 6.8	22008221-01 	8	3.5 - 6.8	22008231-01 
	10	3.5 - 6.8	22010211-01	10	3.5 - 6.8	22010221-01	10	3.5 - 6.8	22010231-01
	12	3.5 - 6.8	22012211-01	12	3.5 - 6.8	22012221-01	12	3.5 - 6.8	22012231-01

#### Specifications

Number of Contacts	2	3	4	5	6	2+4	3+4	8	10	12
Wire Gauge	0.823mm <sup>2</sup> (18AWG) 1.0 mm <sup>2</sup>	0.823mm <sup>2</sup> (18AWG)	0.519mm <sup>2</sup> (20AWG)			0.823mm <sup>2</sup> (18AWG)*2C/3C 0.519mm <sup>2</sup> (20AWG)*4C		0.519mm <sup>2</sup> (20AWG)	0.34mm <sup>2</sup> (22AWG)	
Cable Range	3.5mm - 6.8 mm									
Environmental Protection	IP68				IP67				IP67	
Mechanical Life	500 mating cycles									
Operating Temperature	- 45℃ - 105℃									
Voltage Rating	300V	300V	125V	60V	60V	60V	60V	60V	30V	30V
Rated Current (40℃)	10A	10A	10A	5A	5A	10A+5A	10A+2A	5A	2A	2A

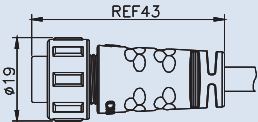
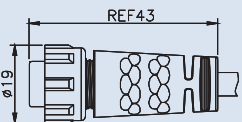
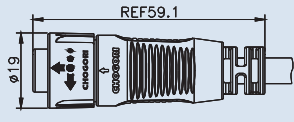
# STANDARD SERIES

## CHOGORI

### Standard Series Specifications

#### Standard Series, Male Connector & Female Pin

Description	Molded with Cable, 180° Screw Type, Solder	Molded with Cable, 180° Lock Bayonet Type, Solder	Molded with Cable, 180° Push Lock Type, Solder
Figure			

Drawing			
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Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	Max. 9.0	22002213-01-XXX	2	Max. 9.0	22002223-01-XXX	2	Max. 9.0	22002233-01-XXX
	3	Max. 9.0	22003213-01-XXX	3	Max. 9.0	22003223-01-XXX	3	Max. 9.0	22003233-01-XXX
	4	Max. 9.0	22004213-01-XXX	4	Max. 9.0	22004223-01-XXX	4	Max. 9.0	22004233-01-XXX
	5	Max. 9.0	22005213-01-XXX	5	Max. 9.0	22005223-01-XXX	5	Max. 9.0	22005233-01-XXX
	6	Max. 9.0	22006213-01-XXX	6	Max. 9.0	22006223-01-XXX	6	Max. 9.0	22006233-01-XXX
	2+4	Max. 9.0	22204213-01-XXX	2+4	Max. 9.0	22204223-01-XXX	2+4	Max. 9.0	22204233-01-XXX
	3+4	Max. 9.0	22304213-01-XXX	3+4	Max. 9.0	22304223-01-XXX	3+4	Max. 9.0	22304233-01-XXX
	8	Max. 9.0	22008213-01-XXX	8	Max. 9.0	22008223-01-XXX	8	Max. 9.0	22008233-01-XXX
	10	Max. 9.0	22010213-01-XXX	10	Max. 9.0	22010223-01-XXX	10	Max. 9.0	22010233-01-XXX
	12	Max. 9.0	22012213-01-XXX	12	Max. 9.0	22012223-01-XXX	12	Max. 9.0	22012233-01-XXX




Specifications										
Number of Contacts	2	3	4	5	6	2+4	3+4	8	10	12
Wire Gauge	0.823mm <sup>2</sup> (18AWG) 1.0mm <sup>2</sup>	0.823mm <sup>2</sup> (18AWG)	0.519mm <sup>2</sup> (20AWG)	0.519mm <sup>2</sup> (20AWG)		0.823mm <sup>2</sup> (18AWG)*2C/3C 0.519mm <sup>2</sup> (20AWG)*4C		0.519mm <sup>2</sup> (20AWG)	0.34mm <sup>2</sup> (22AWG)	
Cable Range	Max. 9.0 mm									
Environmental Protection	IP67				IP67				IP67	
Mechanical Life	500 mating cycles									
Operating Temperature	- 40℃ - 80℃									
Voltage Rating	300V	300V	125V	60V	60V	60V	60V	60V	30V	30V
Rated Current (40℃)	10A	10A	10A	5A	5A	10A+5A	10A+2A	5A	2A	2A

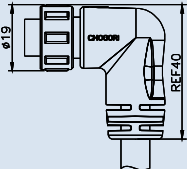
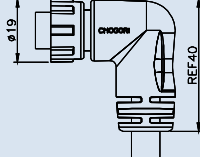
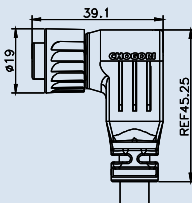
# STANDARD SERIES



















## CHOGORI

### Standard Series Specifications

#### Standard Series, Male Connector & Female Pin

Description	Molded with Cable, 90° Screw Type, Solder	Molded with Cable, 90° Lock Bayonet Type, Solder	Molded with Cable, 90° Push Lock Type, Solder
Figure			

Drawing			
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Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	Max. 9.0	22002214-01-XXX 	2	Max. 9.0	22002224-01-XXX 	2	Max. 9.0	22002234-01-XXX 
	3	Max. 9.0	22003214-01-XXX 	3	Max. 9.0	22003224-01-XXX 	3	Max. 9.0	22003234-01-XXX 
	4	Max. 9.0	22004214-01-XXX 	4	Max. 9.0	22004224-01-XXX 	4	Max. 9.0	22004234-01-XXX 
	5	Max. 9.0	22005214-01-XXX 	5	Max. 9.0	22005224-01-XXX 	5	Max. 9.0	22005234-01-XXX 
	6	Max. 9.0	22006214-01-XXX 	6	Max. 9.0	22006224-01-XXX 	6	Max. 9.0	22006234-01-XXX 
	2+4	Max. 9.0	22204214-01-XXX	2+4	Max. 9.0	22204224-01-XXX	2+4	Max. 9.0	22204234-01-XXX
	3+4	Max. 9.0	22304214-01-XXX	3+4	Max. 9.0	22304224-01-XXX	3+4	Max. 9.0	22304234-01-XXX
	8	Max. 9.0	22008214-01-XXX 	8	Max. 9.0	22008224-01-XXX 	8	Max. 9.0	22008234-01-XXX 
	10	Max. 9.0	22010214-01-XXX	10	Max. 9.0	22010224-01-XXX	10	Max. 9.0	22010234-01-XXX
	12	Max. 9.0	22012214-01-XXX	12	Max. 9.0	22012224-01-XXX	12	Max. 9.0	22012234-01-XXX

#### Specifications




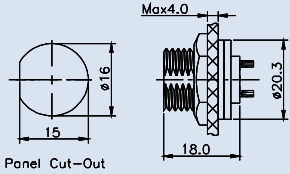
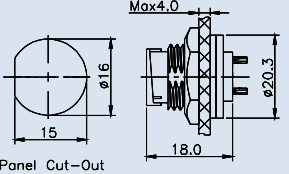
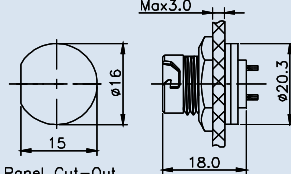















Number of Contacts	2	3	4	5	6	2+4	3+4	8	10	12
Wire Gauge	0.823mm <sup>2</sup> (18AWG) 1.0mm <sup>2</sup>	0.823mm <sup>2</sup> (18AWG)	0.519mm <sup>2</sup> (20AWG)	0.519mm <sup>2</sup> (20AWG)		0.823mm <sup>2</sup> (18AWG)*2C/3C 0.519mm <sup>2</sup> (20AWG)*4C		0.519mm <sup>2</sup> (20AWG)	0.34mm <sup>2</sup> (22AWG)	
Cable Range	Max. 9.0 mm									
Environmental Protection	IP67				IP67				IP67	
Mechanical Life	500 mating cycles									
OperatingTemperature	- 40℃ - 80℃									
Voltage Rating	300V	300V	125V	60V	60V	60V	60V	60V	30V	30V
Rated Current(40℃)	10A	10A	10A	5A	5A	10A+5A	10A+2A	5A	2A	2A

# STANDARD SERIES

## CHOGORI

### Standard Series Specifications

#### Standard Series, Panel Mount & Female Pin

Description	Panel Front Mount, Screw Type, Solder		Panel Front Mount, Lock Bayonet Type, Solder		Panel Front Mount, Push Lock Type, Solder	
Figure						
Drawing						
Part Number	Contacts	Part Number	Contacts	Part Number	Contacts	Part Number
	2	22002615-01 	2	22002625-01 	2	22002635-01 
	3	22003615-01 	3	22003625-01 	3	22003635-01 
	4	22004615-01 	4	22004625-01 	4	22004635-01 
	5	22005615-01 	5	22005625-01 	5	22005635-01 
	6	22006615-01 	6	22006625-01 	6	22006635-01 
	2+4	22204615-01	2+4	22204625-01	2+4	22204635-01
	2+6	22206615-01	2+6	22206625-01	2+6	22206635-01

#### Specifications

Number of Contacts	2	3	4	5	6	2+4	2+6
Wire Gauge	0.823mm <sup>2</sup> (18AWG) 1.0mm <sup>2</sup>		0.823mm <sup>2</sup> (18AWG)	0.519mm <sup>2</sup> (20AWG)		0.823mm <sup>2</sup> (18AWG)*2C 0.34mm <sup>2</sup> (22AWG)*4C	0.519mm <sup>2</sup> (20AWG)*2C 0.34mm <sup>2</sup> (22AWG)*6C
Panel Thickness	Max. 4.0mm			Max. 4.0mm			Max. 3.0mm
Environmental Protection	IP68			IP67			IP67
Mechanical Life	500 mating cycles						
OperatingTemperature	- 45℃ - 105℃						
Voltage Rating	300V	300V	125V	60V	60V	60V	30V
Rated Current (40℃)	10A	10A	10A	5A	5A	10A+2A	5A+2A




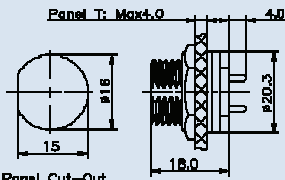
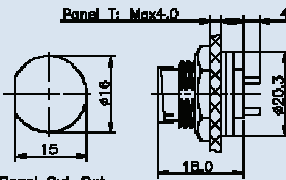
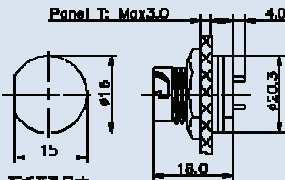


# STANDARD SERIES

## CHOGORI

### Standard Series Specifications

#### Standard Series, Panel Mount & Female Pin

Description	Panel Front Mount, Screw Type, PCB		Panel Front Mount, Lock Bayonet Type, PCB		Panel Front Mount, Push Lock Type, PCB	
Figure						
Drawing						
Part Number	Contacts	Part Number	Contacts	Part Number	Contacts	Part Number
	2	22002615-02	2	22002625-02	2	22002635-02
	3	22003615-02	3	22003625-02	3	22003635-02
	4	22004615-02	4	22004625-02	4	22004635-02
	5	22005615-02	5	22005625-02	5	22005635-02
	6	22006615-02	6	22006625-02	6	22006635-02
	2+4	22204615-02	2+4	22204625-02	2+4	22204635-02
	2+6	22206615-02	2+6	22206625-02	2+6	22206635-02

#### Specifications




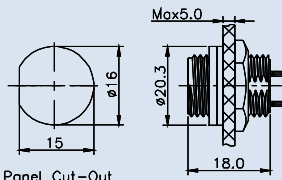
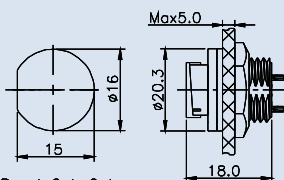
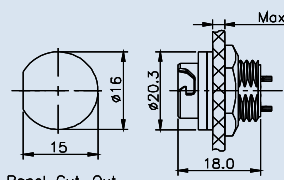













































Number of Contacts	2	3	4	5	6	2+4	2+6
Wire Gauge	0.823mm <sup>2</sup> (18AWG) 1.0 mm <sup>2</sup>		0.823mm <sup>2</sup> (18AWG)	0.519mm <sup>2</sup> (20AWG)		0.823mm <sup>2</sup> (18AWG)*2C 0.34mm <sup>2</sup> (22AWG)*4C	0.519mm <sup>2</sup> (20AWG)*2C 0.34mm <sup>2</sup> (22AWG)*6C
Panel Thickness	Max. 4.0mm			Max. 4.0mm			Max. 3.0mm
Environmental Protection	IP68			IP67			IP67
Mechanical Life	500 mating cycles						
OperatingTemperature	- 45℃ - 105℃						
Voltage Rating	300V	300V	125V	60V	60V	60V	30V
Rated Current (40℃)	10A	10A	10A	5A	5A	10A+2A	5A+2A

# STANDARD SERIES

## CHOGORI

### Standard Series Specifications

#### Standard Series, Panel Mount & Female Pin

Description	Panel Rear Mount, Screw Type, Solder	Panel Rear Mount, Lock Bayonet Type, Solder	Panel Rear Mount, Push Lock Type, Solder																																																
Figure																																																			
Drawing																																																			
Part Number	<table><tr><td>Contacts</td><td>Part Number</td></tr><tr><td>2</td><td>22002615-03 </td></tr><tr><td>3</td><td>22003615-03 </td></tr><tr><td>4</td><td>22004615-03 </td></tr><tr><td>5</td><td>22005615-03 </td></tr><tr><td>6</td><td>22006615-03 </td></tr><tr><td>2+4</td><td>22204615-03</td></tr><tr><td>2+6</td><td>22206615-03</td></tr></table>	Contacts	Part Number	2	22002615-03 	3	22003615-03 	4	22004615-03 	5	22005615-03 	6	22006615-03 	2+4	22204615-03	2+6	22206615-03	<table><tr><td>Contacts</td><td>Part Number</td></tr><tr><td>2</td><td>22002625-03 </td></tr><tr><td>3</td><td>22003625-03 </td></tr><tr><td>4</td><td>22004625-03 </td></tr><tr><td>5</td><td>22005625-03 </td></tr><tr><td>6</td><td>22006625-03 </td></tr><tr><td>2+4</td><td>22204625-03</td></tr><tr><td>2+6</td><td>22206625-03</td></tr></table>	Contacts	Part Number	2	22002625-03 	3	22003625-03 	4	22004625-03 	5	22005625-03 	6	22006625-03 	2+4	22204625-03	2+6	22206625-03	<table><tr><td>Contacts</td><td>Part Number</td></tr><tr><td>2</td><td>22002635-03 </td></tr><tr><td>3</td><td>22003635-03 </td></tr><tr><td>4</td><td>22004635-03 </td></tr><tr><td>5</td><td>22005635-03 </td></tr><tr><td>6</td><td>22006635-03 </td></tr><tr><td>2+4</td><td>22204635-03</td></tr><tr><td>2+6</td><td>22206635-03</td></tr></table>	Contacts	Part Number	2	22002635-03 	3	22003635-03 	4	22004635-03 	5	22005635-03 	6	22006635-03 	2+4	22204635-03	2+6	22206635-03
Contacts	Part Number																																																		
2	22002615-03 																																																		
3	22003615-03 																																																		
4	22004615-03 																																																		
5	22005615-03 																																																		
6	22006615-03 																																																		
2+4	22204615-03																																																		
2+6	22206615-03																																																		
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3	22003625-03 																																																		
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2+4	22204625-03																																																		
2+6	22206625-03																																																		
Contacts	Part Number																																																		
2	22002635-03 																																																		
3	22003635-03 																																																		
4	22004635-03 																																																		
5	22005635-03 																																																		
6	22006635-03 																																																		
2+4	22204635-03																																																		
2+6	22206635-03																																																		

Specifications							
Number of Contacts	2	3	4	5	6	2+4	2+6
Wire Gauge	0.823mm <sup>2</sup> (18AWG) 1.0 mm <sup>2</sup>		0.823mm <sup>2</sup> (18AWG)	0.519mm <sup>2</sup> (20AWG)		0.823mm <sup>2</sup> (18AWG)*2C 0.34mm <sup>2</sup> (22AWG)*4C	0.519mm <sup>2</sup> (20AWG)*2C 0.34mm <sup>2</sup> (22AWG)*6C
Panel Thickness	Max. 5.0mm			Max. 5.0mm			Max. 5.5mm
Environmental Protection	IP68			IP67			IP67
Mechanical Life	500 mating cycles						
OperatingTemperature	- 45℃ - 105℃						
Voltage Rating	300V	300V	125V	60V	60V	60V	30V
Rated Current (40℃)	10A	10A	10A	5A	5A	10A+2A	5A+2A

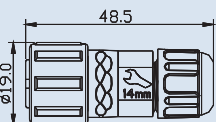
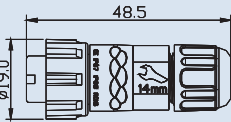
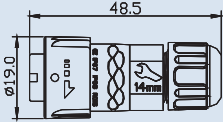
# STANDARD SERIES

## CHOGORI

### Standard Series Specifications

#### Standard Series, Male Connector & Male Pin

Description	Field Installable, 180° Screw Type, Solder	Field Installable, 180° Lock Bayonet Type, Solder	Field Installable, 180° Push Lock Type, Solder
Figure			

Drawing			
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Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	3.5 - 6.8	22002111-01	2	3.5 - 6.8	22002121-01	2	3.5 - 6.8	22002131-01
	3	3.5 - 6.8	22003111-01	3	3.5 - 6.8	22003121-01	3	3.5 - 6.8	22003131-01
	4	3.5 - 6.8	22004111-01	4	3.5 - 6.8	22004121-01	4	3.5 - 6.8	22004131-01
	5	3.5 - 6.8	22005111-01	5	3.5 - 6.8	22005121-01	5	3.5 - 6.8	22005131-01
	6	3.5 - 6.8	22006111-01	6	3.5 - 6.8	22006121-01	6	3.5 - 6.8	22006131-01
	2+4	3.5 - 6.8	22204111-01	2+4	3.5 - 6.8	22204121-01	2+4	3.5 - 6.8	22204131-01
	2+6	3.5 - 6.8	22206111-01	2+6	3.5 - 6.8	22206121-01	2+6	3.5 - 6.8	22206131-01

#### Specifications




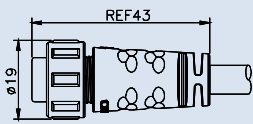
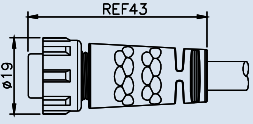
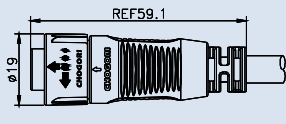















Number of Contacts	2	3	4	5	6	2+4	2+6
Wire Gauge	0.823mm <sup>2</sup> (18AWG) 1.0mm <sup>2</sup>		0.823mm <sup>2</sup> (18AWG)	0.519mm <sup>2</sup> (20AWG)		0.823mm <sup>2</sup> (18AWG)*2C 0.34mm <sup>2</sup> (22AWG)*4C	0.519mm <sup>2</sup> (20AWG)*2C 0.34mm <sup>2</sup> (22AWG)*6C
Cable Range	3.5mm - 6.8mm						
Environmental Protection	IP68			IP67			IP67
Mechanical Life	500 mating cycles						
OperatingTemperature	- 45°C - 105°C						
Voltage Rating	300V	300V	125V	60V	60V	60V	30V
Rated Current (40°C)	10A	10A	10A	5A	5A	10A+2A	5A+2A

# STANDARD SERIES

## CHOGORI

### Standard Series Specifications

#### Standard Series, Male Connector & Male Pin

Description	Molded with Cable, 180° Screw Type, Solder	Molded with Cable, 180° Lock Bayonet Type, Solder	Molded with Cable, 180° Push Lock Type, Solder						
Figure									
Drawing									
Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	Max. 9.0	22002113-01-XXX 	2	Max. 9.0	22002123-01-XXX 	2	Max. 9.0	22002133-01-XXX 
	3	Max. 9.0	22003113-01-XXX 	3	Max. 9.0	22003123-01-XXX 	3	Max. 9.0	22003133-01-XXX 
	4	Max. 9.0	22004113-01-XXX 	4	Max. 9.0	22004123-01-XXX 	4	Max. 9.0	22004133-01-XXX 
	5	Max. 9.0	22005113-01-XXX 	5	Max. 9.0	22005123-01-XXX 	5	Max. 9.0	22005133-01-XXX 
	6	Max. 9.0	22006113-01-XXX 	6	Max. 9.0	22006123-01-XXX 	6	Max. 9.0	22006133-01-XXX 
	2+4	Max. 9.0	22204113-01-XXX	2+4	Max. 9.0	22204123-01-XXX	2+4	Max. 9.0	22204133-01-XXX
	2+6	Max. 9.0	22206113-01-XXX	2+6	Max. 9.0	22206123-01-XXX	2+6	Max. 9.0	22206133-01-XXX

#### Specifications

Number of Contacts	2	3	4	5	6	2+4	2+6
Wire Gauge	0.823mm <sup>2</sup> (18AWG) 1.0mm <sup>2</sup>		0.823mm <sup>2</sup> (18AWG)	0.519mm <sup>2</sup> (20AWG)		0.823mm <sup>2</sup> (18AWG)*2C 0.34mm <sup>2</sup> (22AWG)*4C	0.519mm <sup>2</sup> (20AWG)*2C 0.34mm <sup>2</sup> (22AWG)*6C
Cable Range	Max. 9.0 mm						
Environmental Protection	IP67			IP67			IP67
Mechanical Life	500 mating cycles						
Operating Temperature	- 40℃ - 80℃						
Voltage Rating	300V	300V	125V	60V	60V	60V	30V
Rated Current (40℃)	10A	10A	10A	5A	5A	10A+2A	5A+2A



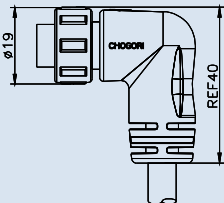
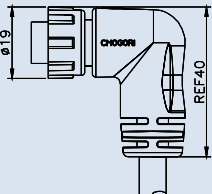
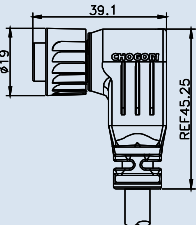
# STANDARD SERIES
















## CHOGORI

### Standard Series Specifications

#### Standard series, Male connector & Male Pin

Description	Molded with Cable, 90° Screw Type, Solder	Molded with Cable, 90° Lock Bayonet Type, Solder	Molded with Cable, 90° Push Lock Type, Solder
Figure			

Drawing			
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Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	Max. 9.0	22002114-01-XXX 	2	Max. 9.0	22002124-01-XXX 	2	Max. 9.0	22002134-01-XXX 
	3		2200311401-XXX 	3		22003124-01-XXX 	3		22003134-01-XXX 
	4		22004114-01-XXX 	4		22004124-01-XXX 	4		22004134-01-XXX 
	5		22005114-01-XXX 	5		22005124-01-XXX 	5		22005134-01-XXX 
	6		22006114-01-XXX 	6		22006124-01-XXX 	6		22006134-01-XXX 
	2+4		22204114-01-XXX	2+4		22204124-01-XXX	2+4		22204134-01-XXX
	2+6		22206114-01-XXX	2+6		22206124-01-XXX	2+6		22206134-01-XXX

#### Specifications

Number of Contacts	2	3	4	5	6	2+4	2+6
Wire Gauge	0.823mm <sup>2</sup> (18AWG) 1.0mm <sup>2</sup>		0.823mm <sup>2</sup> (18AWG)	0.519mm <sup>2</sup> (20AWG)		0.823mm <sup>2</sup> (18AWG)*2C 0.34mm <sup>2</sup> (22AWG)*4C	0.519mm <sup>2</sup> (20AWG)*2C 0.34mm <sup>2</sup> (22AWG)*6C
Cable Range	Max. 9.0 mm						
Environmental Protection	IP67			IP67			IP67
Mechanical Life	500 mating cycles						
OperatingTemperature	- 40℃ - 80℃						
Voltage Rating	300V	300V	125V	60V	60V	60V	30V
Rated Current (40℃)	10A	10A	10A	5A	5A	10A+2A	5A+2A

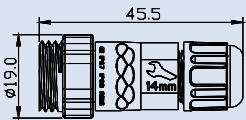
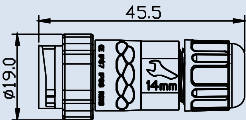
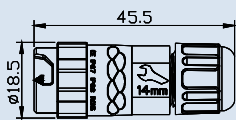
# STANDARD SERIES

## CHOGORI

### Standard Series Specifications

#### Standard Series, Female Connector & Male Pin

Description	Field Installable, 180° Screw Type, Solder	Field Installable, 180° Lock Bayonet Type, Solder	Field Installable, 180° Push Lock Type, Solder
Figure			

Drawing			
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Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	3.5 - 6.8	22002311-01	2	3.5 - 6.8	22002321-01	2	3.5 - 6.8	22002331-01
	3	3.5 - 6.8	22003311-01	3	3.5 - 6.8	22003321-01	3	3.5 - 6.8	22003331-01
	4	3.5 - 6.8	22004311-01	4	3.5 - 6.8	22004321-01	4	3.5 - 6.8	22004331-01
	5	3.5 - 6.8	22005311-01	5	3.5 - 6.8	22005321-01	5	3.5 - 6.8	22005331-01
	6	3.5 - 6.8	22006311-01	6	3.5 - 6.8	22006321-01	6	3.5 - 6.8	22006331-01
	2+4	3.5 - 6.8	22204311-01	2+4	3.5 - 6.8	22204321-01	2+4	3.5 - 6.8	22204331-01
	3+4	3.5 - 6.8	22304311-01	3+4	3.5 - 6.8	22304321-01	3+4	3.5 - 6.8	22304331-01
	8	3.5 - 6.8	22008311-01	8	3.5 - 6.8	22008321-01	8	3.5 - 6.8	22008331-01
	10	3.5 - 6.8	22010311-01	10	3.5 - 6.8	22010321-01	10	3.5 - 6.8	22010331-01
	12	3.5 - 6.8	22012311-01	12	3.5 - 6.8	22012321-01	12	3.5 - 6.8	22012331-01




Specifications										
Number of Contacts	2	3	4	5	6	2+4	3+4	8	10	12
Wire Gauge	0.823mm <sup>2</sup> (18AWG) 1.0 mm <sup>2</sup>		0.823mm <sup>2</sup> (18AWG)	0.519mm <sup>2</sup> (20AWG)		0.823mm <sup>2</sup> (18AWG)*2C/3C 0.519mm <sup>2</sup> (20AWG)*4C		0.519mm <sup>2</sup> (20AWG)	0.34mm <sup>2</sup> (22AWG)	
Cable Range	3.5mm - 6.8mm									
Environmental Protection	IP68				IP67				IP67	
Mechanical Life	500 mating cycles									
OperatingTemperature	- 45°C - 105°C									
Voltage Rating	300V	300V	125V	60V	60V	60V	60V	60V	30V	30V
Rated Current (40°C)	10A	10A	10A	5A	5A	10A+5A	10A+2A	5A	2A	2A

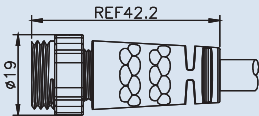
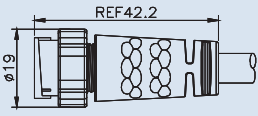
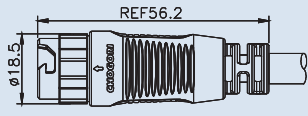
# STANDARD SERIES

## CHOGORI

### Standard Series Specifications

#### Standard Series, Female Connector & Male Pin

Description	Molded with Cable, 180° Screw Type, Solder	Molded with Cable, 180° Lock Bayonet Type, Solder	Molded with Cable, 180° Push Lock Type, Solder
Figure			

Drawing			
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Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	Max. 9.0	22002313-01-XXX	2	Max. 9.0	22002323-01-XXX	2	Max. 9.0	22002333-01-XXX
	3	Max. 9.0	22003313-01-XXX	3	Max. 9.0	22003323-01-XXX	3	Max. 9.0	22003333-01-XXX
	4	Max. 9.0	22004313-01-XXX	4	Max. 9.0	22004323-01-XXX	4	Max. 9.0	22004333-01-XXX
	5	Max. 9.0	22005313-01-XXX	5	Max. 9.0	22005323-01-XXX	5	Max. 9.0	22005333-01-XXX
	6	Max. 9.0	22006313-01-XXX	6	Max. 9.0	22006323-01-XXX	6	Max. 9.0	22006333-01-XXX
	2+4	Max. 9.0	22204313-01-XXX	2+4	Max. 9.0	22204323-01-XXX	2+4	Max. 9.0	22204333-01-XXX
	3+4	Max. 9.0	22304313-01-XXX	3+4	Max. 9.0	22304323-01-XXX	3+4	Max. 9.0	22304333-01-XXX
	8	Max. 9.0	22008313-01-XXX	8	Max. 9.0	22008323-01-XXX	8	Max. 9.0	22008333-01-XXX
	10	Max. 9.0	22010313-01-XXX	10	Max. 9.0	22010323-01-XXX	10	Max. 9.0	22010333-01-XXX
	12	Max. 9.0	22012313-01-XXX	12	Max. 9.0	22012323-01-XXX	12	Max. 9.0	22012333-01-XXX

#### Specifications




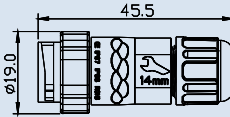
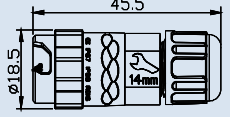













































Number of Contacts	2	3	4	5	6	2+4	3+4	8	10	12
Wire Gauge	0.823mm <sup>2</sup> (18AWG) 1.0mm <sup>2</sup>		0.823mm <sup>2</sup> (18AWG)	0.519mm <sup>2</sup> (20AWG)		0.823mm <sup>2</sup> (18AWG)*2C/3C 0.519mm <sup>2</sup> (20AWG)*4C		0.519mm <sup>2</sup> (20AWG)	0.34mm <sup>2</sup> (22AWG)	
Cable Range	Max. 9.0 mm									
Environmental Protection	IP67				IP67				IP67	
Mechanical Life	500 mating cycles									
OperatingTemperature	- 40℃ - 80℃									
Voltage Rating	300V	300V	125V	60V	60V	60V	60V	60V	30V	30V
Rated Current (40℃)	10A	10A	10A	5A	5A	10A+5A	10A+2A	5A	2A	2A

# STANDARD SERIES

## CHOGORI

### Standard Series Specifications

#### Standard Series, Female Connector & Female Pin

Description	Field Installable, 180° Screw Type, Solder	Field Installable, 180° Lock Bayonet Type, Solder	Field Installable, 180° Push Lock Type, Solder																																																																								
Figure																																																																											
Drawing																																																																											
Part Number	<table><tr><th>Contacts</th><th>Cable Range(mm)</th><th>Part Number</th></tr><tr><td>2</td><td>3.5 - 6.8</td><td>22002411-01 </td></tr><tr><td>3</td><td>3.5 - 6.8</td><td>22003411-01 </td></tr><tr><td>4</td><td>3.5 - 6.8</td><td>22004411-01 </td></tr><tr><td>5</td><td>3.5 - 6.8</td><td>22005411-01 </td></tr><tr><td>6</td><td>3.5 - 6.8</td><td>22006411-01 </td></tr><tr><td>2+4</td><td>3.5 - 6.8</td><td>22204411-01</td></tr><tr><td>2+6</td><td>3.5 - 6.8</td><td>22206411-01</td></tr></table>	Contacts	Cable Range(mm)	Part Number	2	3.5 - 6.8	22002411-01 	3	3.5 - 6.8	22003411-01 	4	3.5 - 6.8	22004411-01 	5	3.5 - 6.8	22005411-01 	6	3.5 - 6.8	22006411-01 	2+4	3.5 - 6.8	22204411-01	2+6	3.5 - 6.8	22206411-01	<table><tr><th>Contacts</th><th>Cable Range(mm)</th><th>Part Number</th></tr><tr><td>2</td><td>3.5 - 6.8</td><td>22002421-01 </td></tr><tr><td>3</td><td>3.5 - 6.8</td><td>22003421-01 </td></tr><tr><td>4</td><td>3.5 - 6.8</td><td>22004421-01 </td></tr><tr><td>5</td><td>3.5 - 6.8</td><td>22005421-01 </td></tr><tr><td>6</td><td>3.5 - 6.8</td><td>22006421-01 </td></tr><tr><td>2+4</td><td>3.5 - 6.8</td><td>22204421-01</td></tr><tr><td>2+6</td><td>3.5 - 6.8</td><td>22206421-01</td></tr></table>	Contacts	Cable Range(mm)	Part Number	2	3.5 - 6.8	22002421-01 	3	3.5 - 6.8	22003421-01 	4	3.5 - 6.8	22004421-01 	5	3.5 - 6.8	22005421-01 	6	3.5 - 6.8	22006421-01 	2+4	3.5 - 6.8	22204421-01	2+6	3.5 - 6.8	22206421-01	<table><tr><th>Contacts</th><th>Cable Range(mm)</th><th>Part Number</th></tr><tr><td>2</td><td>3.5 - 6.8</td><td>22002431-01 </td></tr><tr><td>3</td><td>3.5 - 6.8</td><td>22003431-01 </td></tr><tr><td>4</td><td>3.5 - 6.8</td><td>22004431-01 </td></tr><tr><td>5</td><td>3.5 - 6.8</td><td>22005431-01 </td></tr><tr><td>6</td><td>3.5 - 6.8</td><td>22006431-01 </td></tr><tr><td>2+4</td><td>3.5 - 6.8</td><td>22204431-01</td></tr><tr><td>2+6</td><td>3.5 - 6.8</td><td>22206431-01</td></tr></table>	Contacts	Cable Range(mm)	Part Number	2	3.5 - 6.8	22002431-01 	3	3.5 - 6.8	22003431-01 	4	3.5 - 6.8	22004431-01 	5	3.5 - 6.8	22005431-01 	6	3.5 - 6.8	22006431-01 	2+4	3.5 - 6.8	22204431-01	2+6	3.5 - 6.8	22206431-01
Contacts	Cable Range(mm)	Part Number																																																																									
2	3.5 - 6.8	22002411-01 																																																																									
3	3.5 - 6.8	22003411-01 																																																																									
4	3.5 - 6.8	22004411-01 																																																																									
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2+4	3.5 - 6.8	22204411-01																																																																									
2+6	3.5 - 6.8	22206411-01																																																																									
Contacts	Cable Range(mm)	Part Number																																																																									
2	3.5 - 6.8	22002421-01 																																																																									
3	3.5 - 6.8	22003421-01 																																																																									
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2+4	3.5 - 6.8	22204421-01																																																																									
2+6	3.5 - 6.8	22206421-01																																																																									
Contacts	Cable Range(mm)	Part Number																																																																									
2	3.5 - 6.8	22002431-01 																																																																									
3	3.5 - 6.8	22003431-01 																																																																									
4	3.5 - 6.8	22004431-01 																																																																									
5	3.5 - 6.8	22005431-01 																																																																									
6	3.5 - 6.8	22006431-01 																																																																									
2+4	3.5 - 6.8	22204431-01																																																																									
2+6	3.5 - 6.8	22206431-01																																																																									

#### Specifications

Number of Contacts	2	3	4	5	6	2+4	2+6
Wire Gauge	0.823mm <sup>2</sup> (18AWG) 1.0mm <sup>2</sup>		0.823mm <sup>2</sup> (18AWG)	0.519mm <sup>2</sup> (20AWG)		0.823mm <sup>2</sup> (18AWG)*2C 0.34mm <sup>2</sup> (22AWG)*4C	0.519mm <sup>2</sup> (20AWG)*2C 0.34mm <sup>2</sup> (22AWG)*6C
Cable Range	3.5mm - 6.8mm						
Environmental Protection	IP68			IP67			IP67
Mechanical Life	500 mating cycles						
OperatingTemperature	- 45℃ - 105℃						
Voltage Rating	300V	300V	125V	60V	60V	60V	30V
Rated Current (40℃)	10A	10A	10A	5A	5A	10A+2A	5A+2A



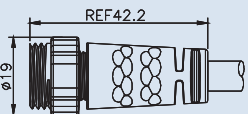
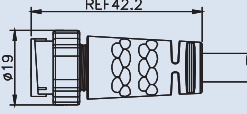
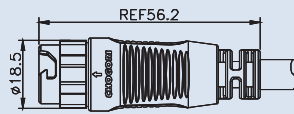
# STANDARD SERIES
















## CHOGORI

### Standard Series Specifications

#### Standard Series, Female Connector & Female Pin

Description	Molded with Cable, 180° Screw Type, Solder	Molded with Cable, 180° Lock Bayonet Type, Solder	Molded with Cable, 180° Push Lock Type, Solder
Figure			

Drawing			
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Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	Max. 9.0	22002413-01-XXX 	2	Max. 9.0	22002423-01-XXX 	2	Max. 9.0	22002433-01-XXX 
	3	Max. 9.0	22003413-01-XXX 	3	Max. 9.0	22003423-01-XXX 	3	Max. 9.0	22003433-01-XXX 
	4	Max. 9.0	22004413-01-XXX 	4	Max. 9.0	22004423-01-XXX 	4	Max. 9.0	22004433-01-XXX 
	5	Max. 9.0	22005413-01-XXX 	5	Max. 9.0	22005423-01-XXX 	5	Max. 9.0	22005433-01-XXX 
	6	Max. 9.0	22006413-01-XXX 	6	Max. 9.0	22006423-01-XXX 	6	Max. 9.0	22006433-01-XXX 
	2+4	Max. 9.0	22204413-01-XXX	2+4	Max. 9.0	22204423-01-XXX	2+4	Max. 9.0	22204433-01-XXX
	2+6	Max. 9.0	22206413-01-XXX	2+6	Max. 9.0	22206423-01-XXX	2+6	Max. 9.0	22206433-01-XXX

#### Specifications

Number of Contacts	2	3	4	5	6	2+4	2+6
Wire Gauge	0.823mm <sup>2</sup> (18AWG) 1.0mm <sup>2</sup>		0.823mm <sup>2</sup> (18AWG)	0.519mm <sup>2</sup> (20AWG)		0.823mm <sup>2</sup> (18AWG)*2C 0.34mm <sup>2</sup> (22AWG)*4C	0.519mm <sup>2</sup> (20AWG)*2C 0.34mm <sup>2</sup> (22AWG)*6C
Cable Range	Max. 9.0 mm						
Environmental Protection	IP67			IP67			IP67
Mechanical Life	500 mating cycles						
OperatingTemperature	- 40℃ - 80℃						
Voltage Rating	300V	300V	125V	60V	60V	60V	30V
Rated Current (40℃)	10A	10A	10A	5A	5A	10A+2A	5A+2A

# Middle Series

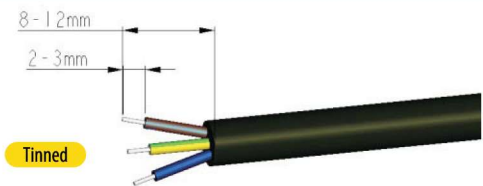
1. Middle Series, Assembly Instruction.....	P56
2. Middle Series, Front Panel Mount & Male Pin.....	P57–P58
3. Middle Series, Flange Panel Mount .....	P59
4. Middle Series, Rear Panel Mount & Male Pin.....	P60
5. Middle Series, Male connector & Female Pin.....	P61–P63
6. Middle Series, Front Panel Mount & Female Pin.....	P64–P65
7. Middle Series, Rear Panel Mount & Female Pin.....	P66
8. Middle Series, Male connector & Male Pin.....	P67–P69
9. Middle Series, Female connector & Male Pin.....	P70–P71
10. Middle Series, Female connector & Female Pin.....	P72–P73
11. Middle Series, Male Connector.....	P74
12. Middle Series, Connector With Screw.....	P75–P77



CHOGORI

1

Strip and prepare Cable.



2

Thread Seals Nut, Seals Ring, Clamp Ring and Gasket onto the cable.



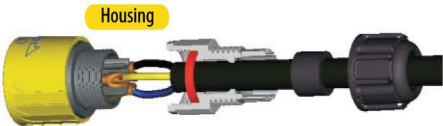
3

Solder wire.



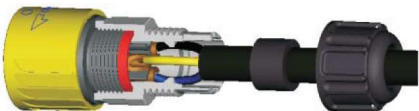
4

Assemble Gasket into Clamp ring: Gasket Direction (Flat Surface to Housing)



5

Assemble Clamp Ring to Housing



6

Put Seals Ring to the end of Clamp Ring.



7

Assemble Seals Nut and Clamp Ring.




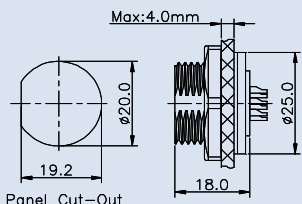
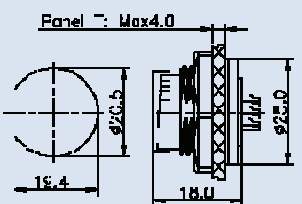
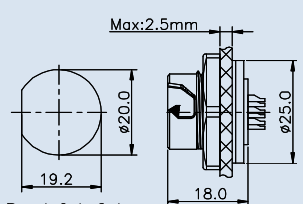
























































# MIDDLE SERIES

## CHOGORI

### Middle Series Specifications

#### Middle Series, Front Panel Mount & Male Pin

Description	Front Panel Mount Screw Type, Solder	Front Panel Mount Lock bayonet Type, Solder	Front Panel Mount Push Lock Type, Solder																																																																																				
Figure																																																																																							
Drawing																																																																																							
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#### Specifications

Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	2.5mm <sup>2</sup> (14AWG)		1.0mm <sup>2</sup> (17AWG)	0.75mm <sup>2</sup> (18AWG)		0.34mm <sup>2</sup> (22AWG)		1.0mm <sup>2</sup> +0.25mm <sup>2</sup> (17AWG +24AWG)	0.34mm <sup>2</sup> (22AWG)	0.25mm <sup>2</sup> (24AWG)			
Panel Thickness	Max. 4.0mm					Max. 4.0mm					Max. 2.5mm		
Environmental Protection	IP68					IP67					IP67		
Mechanical Life	500 mating cycles												
OperatingTemperature	- 45℃ - 105℃												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40℃)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	5A	5A	2A



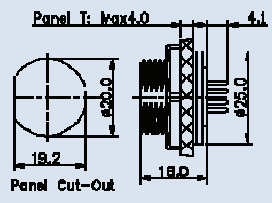
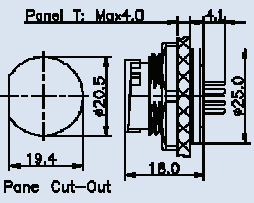
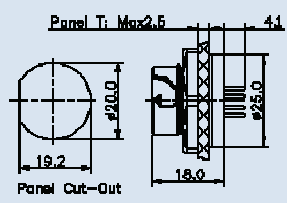
# MIDDLE SERIES

## CHOGORI

### Middle Series Specifications

#### Middle Series, Front Panel Mount & Male Pin

Description	Front Panel Mount Screw Type, PCB	Front Panel Mount Lock bayonet Type, PCB	Front Panel Mount Push Lock Type, PCB
Figure			

Drawing			
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Part-No.	Contacts	Part-Number	Contacts	Part-Number	Contacts	Part-Number
	2	23002515-02	2	23002525-02	2	23002535-02
	3	23003515-02	3	23003525-02	3	23003535-02
	4	23004515-02	4	23004525-02	4	23004535-02
	5	23005515-02	5	23005525-02	5	23005535-02
	6	23006515-02	6	23006525-02	6	23006535-02
	7	23007515-02	7	23007525-02	7	23007535-02
	8	23008515-02	8	23008525-02	8	23008535-02
	3+5	23305515-02	3+5	23305525-02	3+5	23305535-02
	9	23009515-02	9	23009525-02	9	23009535-02
	10	23010515-02	10	23010525-02	10	23010535-02
	12	23012515-02	12	23012525-02	12	23012535-02
	14	23014515-02	14	23014525-02	14	23014535-02
	18	23018515-02	18	23018525-02	18	23018535-02




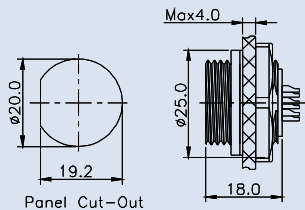
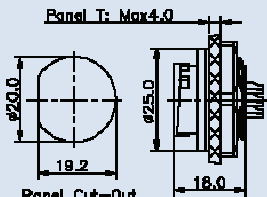
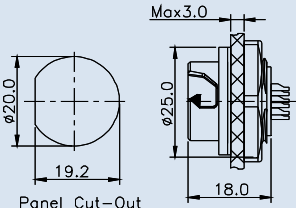






















































Specifications													
Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	2.5mm <sup>2</sup> (14AWG)		1.0mm <sup>2</sup> (17AWG)	0.75mm <sup>2</sup> (18AWG)		0.34mm <sup>2</sup> (22AWG)		1.0mm <sup>2</sup> +0.25mm <sup>2</sup> (17AWG +24AWG)	0.34mm <sup>2</sup> (22AWG)	0.25mm <sup>2</sup> (24AWG)			
Panel Thickness	Max. 4.0mm				Max. 4.0mm					Max. 2.5mm			
Environmental Protection	IP68				IP67					IP67			
Mechanical Life	500 mating cycles												
Operating Temperature	- 45℃ - 105℃												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40℃)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	5A	5A	2A

# MIDDLE SERIES

## CHOGORI

### Middle Series Specifications

#### Middle Series, Rear Panel Mount & Male Pin

Description	Rear Panel Mount Screw Type, Solder	Rear Panel Mount Lock bayonet Type, Solder	Rear Panel Mount Push Lock Type, Solder																																																																																				
Figure																																																																																							
Drawing																																																																																							
Part-No.	<table><tr><th>Contacts</th><th>Part-Number</th></tr><tr><td>2</td><td>23002515-03 </td></tr><tr><td>3</td><td>23003515-03 </td></tr><tr><td>4</td><td>23004515-03</td></tr><tr><td>5</td><td>23005515-03 </td></tr><tr><td>6</td><td>23006515-03 </td></tr><tr><td>7</td><td>23007515-03 </td></tr><tr><td>8</td><td>23008515-03 </td></tr><tr><td>3+5</td><td>23305515-03</td></tr><tr><td>9</td><td>23009515-03</td></tr><tr><td>10</td><td>23010515-03</td></tr><tr><td>12</td><td>23012515-03</td></tr><tr><td>14</td><td>23014515-03</td></tr><tr><td>18</td><td>23018515-03</td></tr></table>	Contacts	Part-Number	2	23002515-03 	3	23003515-03 	4	23004515-03	5	23005515-03 	6	23006515-03 	7	23007515-03 	8	23008515-03 	3+5	23305515-03	9	23009515-03	10	23010515-03	12	23012515-03	14	23014515-03	18	23018515-03	<table><tr><th>Contacts</th><th>Part-Number</th></tr><tr><td>2</td><td>23002525-03 </td></tr><tr><td>3</td><td>23003525-03 </td></tr><tr><td>4</td><td>23004525-03</td></tr><tr><td>5</td><td>23005525-03 </td></tr><tr><td>6</td><td>23006525-03 </td></tr><tr><td>7</td><td>23007525-03 </td></tr><tr><td>8</td><td>23008525-03 </td></tr><tr><td>3+5</td><td>23305525-03</td></tr><tr><td>9</td><td>23009525-03</td></tr><tr><td>10</td><td>23010525-03</td></tr><tr><td>12</td><td>23012525-03</td></tr><tr><td>14</td><td>23014525-03</td></tr><tr><td>18</td><td>23018525-03</td></tr></table>	Contacts	Part-Number	2	23002525-03 	3	23003525-03 	4	23004525-03	5	23005525-03 	6	23006525-03 	7	23007525-03 	8	23008525-03 	3+5	23305525-03	9	23009525-03	10	23010525-03	12	23012525-03	14	23014525-03	18	23018525-03	<table><tr><th>Contacts</th><th>Part-Number</th></tr><tr><td>2</td><td>23002535-03 </td></tr><tr><td>3</td><td>23003535-03 </td></tr><tr><td>4</td><td>23004535-03</td></tr><tr><td>5</td><td>23005535-03 </td></tr><tr><td>6</td><td>23006535-03 </td></tr><tr><td>7</td><td>23007535-03 </td></tr><tr><td>8</td><td>23008535-03 </td></tr><tr><td>3+5</td><td>23305535-03</td></tr><tr><td>9</td><td>23009535-03</td></tr><tr><td>10</td><td>23010535-03</td></tr><tr><td>12</td><td>23012535-03</td></tr><tr><td>14</td><td>23014535-03</td></tr><tr><td>18</td><td>23018535-03</td></tr></table>	Contacts	Part-Number	2	23002535-03 	3	23003535-03 	4	23004535-03	5	23005535-03 	6	23006535-03 	7	23007535-03 	8	23008535-03 	3+5	23305535-03	9	23009535-03	10	23010535-03	12	23012535-03	14	23014535-03	18	23018535-03
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Specifications													
Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	2.5mm <sup>2</sup> (14AWG)		1.0mm <sup>2</sup> (17AWG)	0.75mm <sup>2</sup> (18AWG)		0.34mm <sup>2</sup> (22AWG)		1.0mm <sup>2</sup> +0.25mm <sup>2</sup> (17AWG +24AWG)	0.34mm <sup>2</sup> (22AWG)	0.25mm <sup>2</sup> (24AWG)			
Panel Thickness	Max. 4.0mm				Max. 4.0mm				Max. 3.0mm				
Environmental Protection	IP68				IP67				IP67				
Mechanical Life	500 mating cycles												
Operating Temperature	- 45℃ - 105℃												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40℃)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	5A	5A	2A

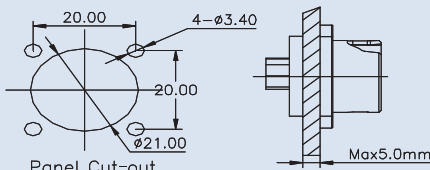
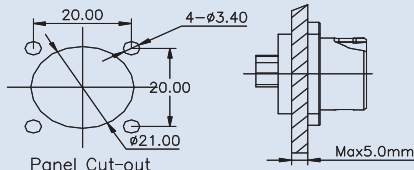
# MIDDLE SERIES









## CHOGORI

### Middle Series Specifications

#### Middle Series, Flange Panel Mount

Description	Flange Panel Mount With Male Pin Push Lock Type, Solder	Flange Panel Mount With Female Pin Push Lock Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Part-Number	Contacts	Part-Number
	2	23002536-01 	2	23002636-01 
	3	23003536-01 	3	23003636-01 
	4	23004536-01	4	23004636-01
	5	23005536-01	5	23005636-01
	6	23006536-01	6	23006636-01
	7	23007536-01 	7	23007636-01 
	8	23008536-01 	8	23008636-01 
	9	23009536-01	9	23009636-01
	10	23010536-01	10	23010636-01
	12	23012536-01	12	23012636-01
	14	23014536-01	14	23014636-01
	18	23018536-01	18	23018636-01

#### Specifications




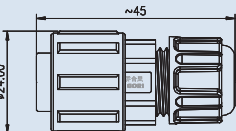

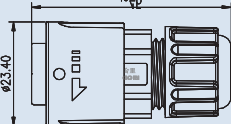
Number of Contacts	2	3	4	5	6	7	8	9	10	12	14	18
Wire Gauge	2.5mm <sup>2</sup> (14AWG)		1.0mm <sup>2</sup> (17AWG)	0.75mm <sup>2</sup> (18AWG)		0.34mm <sup>2</sup> (22AWG)			0.25mm <sup>2</sup> (24AWG)			
Panel Thickness	Max. 5.0mm											
Environmental Protection	IP67											
Mechanical Life	500 mating cycles											
Operating Temperature	- 45℃ - 105℃											
Voltage Rating	250V			125V		60V			30V			
Rated Current(40℃)	20A	20A	15A	10A	10A	5A	5A	5A	5A	5A	5A	2A

# MIDDLE SERIES

## CHOGORI

### Middle Series Specifications

#### Middle Series, Male Connector & Female Pin

Description	Field Installable, 180° Screw Type, Solder	Field Installable, 180° Lock bayonet Type, Solder	Field Installable, 180° Push Lock Type, Solder																																																																																																																																																																																																												
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Part-No.	<table><tr><th>Contacts</th><th>Cable Range(mm)</th><th>Part-Number</th></tr><tr><td rowspan="2">2</td><td>3.5 - 6.5</td><td>23002211-01</td></tr><tr><td>6.5 - 9.5</td><td>23002211-02</td></tr><tr><td rowspan="2">3</td><td>3.5 - 6.5</td><td>23003211-01</td></tr><tr><td>6.5 - 9.5</td><td>23003211-02</td></tr><tr><td rowspan="2">4</td><td>3.5 - 6.5</td><td>23004211-01</td></tr><tr><td>6.5 - 9.5</td><td>23004211-02</td></tr><tr><td rowspan="2">5</td><td>3.5 - 6.5</td><td>23005211-01</td></tr><tr><td>6.5 - 9.5</td><td>23005211-02</td></tr><tr><td rowspan="2">6</td><td>3.5 - 6.5</td><td>23006211-01</td></tr><tr><td>6.5 - 9.5</td><td>23006211-02</td></tr><tr><td rowspan="2">7</td><td>3.5 - 6.5</td><td>23007211-01</td></tr><tr><td>6.5 - 9.5</td><td>23007211-02</td></tr><tr><td rowspan="2">8</td><td>3.5 - 6.5</td><td>23008211-01</td></tr><tr><td>6.5 - 9.5</td><td>23008211-02</td></tr><tr><td rowspan="2">3+5</td><td>3.5 - 6.5</td><td>23305211-01</td></tr><tr><td>6.5 - 9.5</td><td>23305211-02</td></tr><tr><td rowspan="2">9</td><td>3.5 - 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6.5	23010211-01	6.5 - 9.5	23010211-02	12	3.5 - 6.5	23012211-01	6.5 - 9.5	23012211-02	14	3.5 - 6.5	23014211-01	6.5 - 9.5	23014211-02	18	3.5 - 6.5	23018211-01	6.5 - 9.5	23018211-02	<table><tr><th>Contacts</th><th>Cable Range(mm)</th><th>Part-Number</th></tr><tr><td rowspan="2">2</td><td>3.5 - 6.5</td><td>23002221-01</td></tr><tr><td>6.5 - 9.5</td><td>23002221-02</td></tr><tr><td rowspan="2">3</td><td>3.5 - 6.5</td><td>23003221-01</td></tr><tr><td>6.5 - 9.5</td><td>23003221-02</td></tr><tr><td rowspan="2">4</td><td>3.5 - 6.5</td><td>23004221-01</td></tr><tr><td>6.5 - 9.5</td><td>23004221-02</td></tr><tr><td rowspan="2">5</td><td>3.5 - 6.5</td><td>23005221-01</td></tr><tr><td>6.5 - 9.5</td><td>23005221-02</td></tr><tr><td rowspan="2">6</td><td>3.5 - 6.5</td><td>23006221-01</td></tr><tr><td>6.5 - 9.5</td><td>23006221-02</td></tr><tr><td rowspan="2">7</td><td>3.5 - 6.5</td><td>23007221-01</td></tr><tr><td>6.5 - 9.5</td><td>23007221-02</td></tr><tr><td rowspan="2">8</td><td>3.5 - 6.5</td><td>23008221-01</td></tr><tr><td>6.5 - 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Specifications														
Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18	
Wire Gauge	2.5mm <sup>2</sup> (14AWG)		1.0mm <sup>2</sup> (17AWG)	0.75mm <sup>2</sup> (18AWG)		0.34mm <sup>2</sup> (22AWG)		1.0mm <sup>2</sup> +0.25mm <sup>2</sup> 17AWG +24AWG	0.34mm <sup>2</sup> (22AWG)	0.25mm <sup>2</sup> (24AWG)				
Cable Range	3.5mm - 6.5mm, 6.5mm - 9.5mm													
Environmental Protection	IP68					IP67					IP67			
Mechanical Life	500 mating cycles													
Operating Temperature	- 45℃ - 105℃													
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V	
Rated Current(40℃)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	5A	5A	2A	




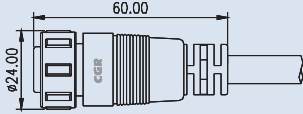
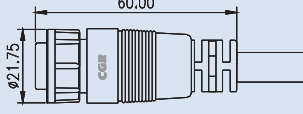
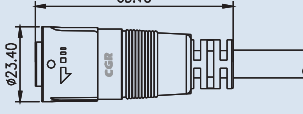






































# MIDDLE SERIES

## CHOGORI

### Middle Series Specifications

#### Middle Series, Male Connector & Female Pin

Description	Molded, 180° Screw Type, Solder	Molded, 180° Lock bayonet Type, Solder	Molded, 180° Push Lock Type, Solder																																																																																																																														
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Wire Gauge	2.5mm <sup>2</sup> (14AWG)		1.0mm <sup>2</sup> (17AWG)	0.75mm <sup>2</sup> (18AWG)		0.34mm <sup>2</sup> (22AWG)		1.0mm <sup>2</sup> +0.25mm <sup>2</sup> (17AWG +24AWG)	0.34mm <sup>2</sup> (22AWG)		0.25mm <sup>2</sup> (24AWG)		
Cable Range	Max. 10.8mm												
Environmental Protection	IP67												
Mechanical Life	500 mating cycles												
Operating Temperature	- 40℃ - 80℃												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40℃)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	5A	5A	2A

# MIDDLE SERIES

## CHOGORI

### Middle Series Specifications

#### Middle Series, Male Connector & Female Pin

Description	Molded, 90° Screw Type, Solder	Molded, 90° Lock bayonet Type, Solder	Molded, 90° Push Lock Type, Solder																																																																																																																														
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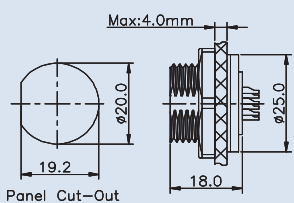
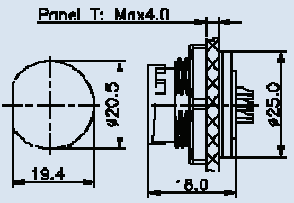
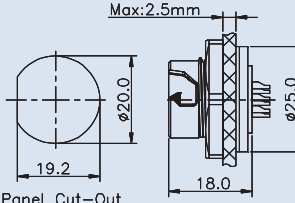
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Cable Range	Max. 10.8mm												
Environmental Protection	IP67												
Mechanical Life	500 mating cycles												
Operating Temperature	- 45℃ - 105℃												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40℃)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	5A	5A	2A

# MIDDLE SERIES

## CHOGORI

### Middle Series Specifications

#### Middle Series, Front Panel Mount & Female Pin

Description	Front Panel Mount Screw Type, Solder	Front Panel Mount Lock Bayonet Type, Solder	Front Panel Mount Push Lock Type, Solder
Figure			
Drawing			

Part-No.	Contacts	Part-Number	Contacts	Part-Number	Contacts	Part-Number
	2	23002615-01	2	23002625-01	2	23002635-01
	3	23003615-01	3	23003625-01	3	23003635-01
	4	23004615-01	4	23004625-01	4	23004635-01
	5	23005615-01	5	23005625-01	5	23005635-01
	6	23006615-01	6	23006625-01	6	23006635-01
	7	23007615-01	7	23007625-01	7	23007635-01
	8	23008615-01	8	23008625-01	8	23008635-01
	3+5	23305615-01	3+5	23305625-01	3+5	23305635-01
	9	23009615-01	9	23009625-01	9	23009635-01
	10	23010615-01	10	23010625-01	10	23010635-01
	12	23012615-01	12	23012625-01	12	23012635-01
	14	23014615-01	14	23014625-01	14	23014635-01
	18	23018615-01	18	23018625-01	18	23018635-01




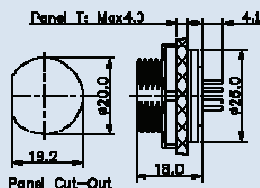
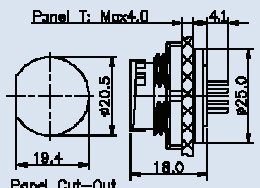
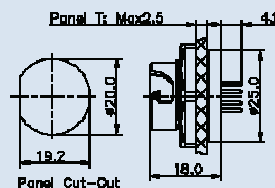
Specifications													
Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	2.5mm <sup>2</sup> (14AWG)		1.0mm <sup>2</sup> (17AWG)	0.75mm <sup>2</sup> (18AWG)		0.34mm <sup>2</sup> (22AWG)		1.0mm <sup>2</sup> +0.25mm <sup>2</sup> 17AWG +24AWG	0.34mm <sup>2</sup> (22AWG)	0.25mm <sup>2</sup> (24AWG)			
Panel Thickness	Max. 4.0mm					Max. 4.0mm				Max. 2.5mm			
Environmental Protection	IP68					IP67				IP67			
Mechanical Life	500 mating cycles												
Operating Temperature	- 45℃ - 105℃												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40℃)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	2A	2A	2A

# MIDDLE SERIES

## CHOGORI

### Middle Series Specifications

#### Middle Series, Front Panel Mount & Female Pin

Description	Front Panel Mount Screw Type, PCB	Front Panel Mount Lock Bayonet Type, PCB	Front Panel Mount Push Lock Type, PCB																																																																																				
Figure																																																																																							
Drawing																																																																																							
Part-No.	<table><tr><th>Contacts</th><th>Part-Number</th></tr><tr><td>2</td><td>23002615-02</td></tr><tr><td>3</td><td>23003615-02</td></tr><tr><td>4</td><td>23004615-02</td></tr><tr><td>5</td><td>23005615-02</td></tr><tr><td>6</td><td>23006615-02</td></tr><tr><td>7</td><td>23007615-02</td></tr><tr><td>8</td><td>23008615-02</td></tr><tr><td>3+5</td><td>23305615-02</td></tr><tr><td>9</td><td>23009615-02</td></tr><tr><td>10</td><td>23010615-02</td></tr><tr><td>12</td><td>23012615-02</td></tr><tr><td>14</td><td>23014615-02</td></tr><tr><td>18</td><td>23018615-02</td></tr></table>	Contacts	Part-Number	2	23002615-02	3	23003615-02	4	23004615-02	5	23005615-02	6	23006615-02	7	23007615-02	8	23008615-02	3+5	23305615-02	9	23009615-02	10	23010615-02	12	23012615-02	14	23014615-02	18	23018615-02	<table><tr><th>Contacts</th><th>Part-Number</th></tr><tr><td>2</td><td>23002625-02</td></tr><tr><td>3</td><td>23003625-02</td></tr><tr><td>4</td><td>23004625-02</td></tr><tr><td>5</td><td>23005625-02</td></tr><tr><td>6</td><td>23006625-02</td></tr><tr><td>7</td><td>23007625-02</td></tr><tr><td>8</td><td>23008625-02</td></tr><tr><td>3+5</td><td>23305625-02</td></tr><tr><td>9</td><td>23009625-02</td></tr><tr><td>10</td><td>23010625-02</td></tr><tr><td>12</td><td>23012625-02</td></tr><tr><td>14</td><td>23014625-02</td></tr><tr><td>18</td><td>23018625-02</td></tr></table>	Contacts	Part-Number	2	23002625-02	3	23003625-02	4	23004625-02	5	23005625-02	6	23006625-02	7	23007625-02	8	23008625-02	3+5	23305625-02	9	23009625-02	10	23010625-02	12	23012625-02	14	23014625-02	18	23018625-02	<table><tr><th>Contacts</th><th>Part-Number</th></tr><tr><td>2</td><td>23002635-02</td></tr><tr><td>3</td><td>23003635-02</td></tr><tr><td>4</td><td>23004635-02</td></tr><tr><td>5</td><td>23005635-02</td></tr><tr><td>6</td><td>23006635-02</td></tr><tr><td>7</td><td>23007635-02</td></tr><tr><td>8</td><td>23008635-02</td></tr><tr><td>3+5</td><td>23305635-02</td></tr><tr><td>9</td><td>23009635-02</td></tr><tr><td>10</td><td>23010635-02</td></tr><tr><td>12</td><td>23012635-02</td></tr><tr><td>14</td><td>23014635-02</td></tr><tr><td>18</td><td>23018635-02</td></tr></table>	Contacts	Part-Number	2	23002635-02	3	23003635-02	4	23004635-02	5	23005635-02	6	23006635-02	7	23007635-02	8	23008635-02	3+5	23305635-02	9	23009635-02	10	23010635-02	12	23012635-02	14	23014635-02	18	23018635-02
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#### Specifications




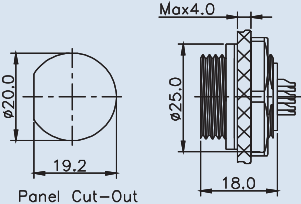
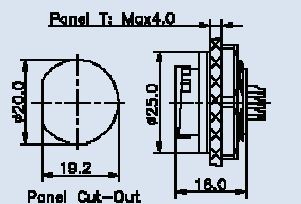
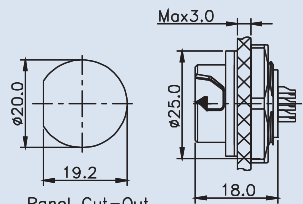






















































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Wire Gauge	2.5mm <sup>2</sup> (14AWG)		1.0mm <sup>2</sup> (17AWG)	0.75mm <sup>2</sup> (18AWG)		0.34mm <sup>2</sup> (22AWG)		1.0mm <sup>2</sup> +0.25mm <sup>2</sup> 17AWG +24AWG	0.34mm <sup>2</sup> (22AWG)	0.25mm <sup>2</sup> (24AWG)			
Panel Thickness	Max. 4.0mm					Max. 4.0mm				Max. 2.5mm			
Environmental Protection	IP68					IP67				IP67			
Mechanical Life	500 mating cycles												
OperatingTemperature	- 45℃ - 105℃												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40℃)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	2A	2A	2A

# MIDDLE SERIES

## CHOGORI

### Middle Series Specifications

#### Middle Series, Rear Panel Mount & Female Pin

Description	Rear Panel Mount Screw Type, Solder	Rear Panel Mount Lock Bayonet Type, Solder	Rear Panel Mount Push Lock Type, Solder																																																																																				
Figure																																																																																							
Drawing																																																																																							
Part-No.	<table><tr><th>Contacts</th><th>Part-Number</th></tr><tr><td>2</td><td>23002615-03 </td></tr><tr><td>3</td><td>23003615-03 </td></tr><tr><td>4</td><td>23004615-03</td></tr><tr><td>5</td><td>23005615-03 </td></tr><tr><td>6</td><td>23006615-03 </td></tr><tr><td>7</td><td>23007615-03 </td></tr><tr><td>8</td><td>23008615-03 </td></tr><tr><td>3+5</td><td>23305615-03</td></tr><tr><td>9</td><td>23009615-03</td></tr><tr><td>10</td><td>23010615-03</td></tr><tr><td>12</td><td>23012615-03</td></tr><tr><td>14</td><td>23014615-03</td></tr><tr><td>18</td><td>23018615-03</td></tr></table>	Contacts	Part-Number	2	23002615-03 	3	23003615-03 	4	23004615-03	5	23005615-03 	6	23006615-03 	7	23007615-03 	8	23008615-03 	3+5	23305615-03	9	23009615-03	10	23010615-03	12	23012615-03	14	23014615-03	18	23018615-03	<table><tr><th>Contacts</th><th>Part-Number</th></tr><tr><td>2</td><td>23002625-03 </td></tr><tr><td>3</td><td>23003625-03 </td></tr><tr><td>4</td><td>23004625-03</td></tr><tr><td>5</td><td>23005625-03 </td></tr><tr><td>6</td><td>23006625-03 </td></tr><tr><td>7</td><td>23007625-03 </td></tr><tr><td>8</td><td>23008625-03 </td></tr><tr><td>3+5</td><td>23305625-03</td></tr><tr><td>9</td><td>23009625-03</td></tr><tr><td>10</td><td>23010625-03</td></tr><tr><td>12</td><td>23012625-03</td></tr><tr><td>14</td><td>23014625-03</td></tr><tr><td>18</td><td>23018625-03</td></tr></table>	Contacts	Part-Number	2	23002625-03 	3	23003625-03 	4	23004625-03	5	23005625-03 	6	23006625-03 	7	23007625-03 	8	23008625-03 	3+5	23305625-03	9	23009625-03	10	23010625-03	12	23012625-03	14	23014625-03	18	23018625-03	<table><tr><th>Contacts</th><th>Part-Number</th></tr><tr><td>2</td><td>23002635-03 </td></tr><tr><td>3</td><td>23003635-03 </td></tr><tr><td>4</td><td>23004635-03</td></tr><tr><td>5</td><td>23005635-03 </td></tr><tr><td>6</td><td>23006635-03 </td></tr><tr><td>7</td><td>23007635-03 </td></tr><tr><td>8</td><td>23008635-03 </td></tr><tr><td>3+5</td><td>23305635-03</td></tr><tr><td>9</td><td>23009635-03</td></tr><tr><td>10</td><td>23010635-03</td></tr><tr><td>12</td><td>23012635-03</td></tr><tr><td>14</td><td>23014635-03</td></tr><tr><td>18</td><td>23018635-03</td></tr></table>	Contacts	Part-Number	2	23002635-03 	3	23003635-03 	4	23004635-03	5	23005635-03 	6	23006635-03 	7	23007635-03 	8	23008635-03 	3+5	23305635-03	9	23009635-03	10	23010635-03	12	23012635-03	14	23014635-03	18	23018635-03
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#### Specifications

Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	2.5mm <sup>2</sup> (14AWG)		1.0mm <sup>2</sup> (17AWG)	0.75mm <sup>2</sup> (18AWG)		0.34mm <sup>2</sup> (22AWG)		1.0mm <sup>2</sup> +0.25mm <sup>2</sup> 17AWG +24AWG	0.34mm <sup>2</sup> (22AWG)	0.25mm <sup>2</sup> (24AWG)			
Panel Thickness	Max. 4.0mm					Max. 4.0mm				Max. 3.0mm			
Environmental Protection	IP68					IP67				IP67			
Mechanical Life	500 mating cycles												
OperatingTemperature	- 45℃ - 105℃												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40℃)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	2A	2A	2A



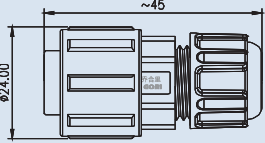
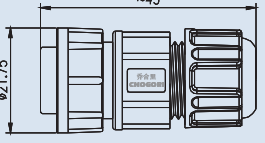
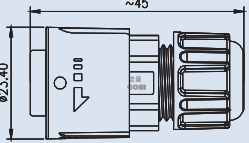
# MIDDLE SERIES

## CHOGORI

### Middle Series Specifications

#### Middle Series, Male Connector & Male Pin

Description	Field Installable, 180° Screw Type, Solder	Field Installable, 180° Lock Bayonet Type, Solder	Field Installable, 180° Push Lock Type, Solder
Figure			

Drawing			
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Part-No.	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
	2	3.5 - 6.5	23002111-01	2	3.5 - 6.5	23002121-01	2	3.5 - 6.5	23002131-01
		6.5 - 9.5	23002111-02		6.5 - 9.5	23002121-02		6.5 - 9.5	23002131-02
	3	3.5 - 6.5	23003111-01	3	3.5 - 6.5	23003121-01	3	3.5 - 6.5	23003131-01
		6.5 - 9.5	23003111-02		6.5 - 9.5	23003121-02		6.5 - 9.5	23003131-02
	4	3.5 - 6.5	23004111-01	4	3.5 - 6.5	23004121-01	4	3.5 - 6.5	23004131-01
		6.5 - 9.5	23004111-02		6.5 - 9.5	23004121-02		6.5 - 9.5	23004131-02
	5	3.5 - 6.5	23005111-01	5	3.5 - 6.5	23005121-01	5	3.5 - 6.5	23005131-01
		6.5 - 9.5	23005111-02		6.5 - 9.5	23005121-02		6.5 - 9.5	23005131-02
	6	3.5 - 6.5	23006111-01	6	3.5 - 6.5	23006121-01	6	3.5 - 6.5	23006131-01
		6.5 - 9.5	23006111-02		6.5 - 9.5	23006121-02		6.5 - 9.5	23006131-02
	7	3.5 - 6.5	23007111-01	7	3.5 - 6.5	23007121-01	7	3.5 - 6.5	23007131-01
		6.5 - 9.5	23007111-02		6.5 - 9.5	23007121-02		6.5 - 9.5	23007131-02
	8	3.5 - 6.5	23008111-01	8	3.5 - 6.5	23008121-01	8	3.5 - 6.5	23008131-01
		6.5 - 9.5	23008111-02		6.5 - 9.5	23008121-02		6.5 - 9.5	23008131-02
	3+5	3.5 - 6.5	23305111-01	3+5	3.5 - 6.5	23305121-01	3+5	3.5 - 6.5	23305131-01
		6.5 - 9.5	23305111-02		6.5 - 9.5	23305121-02		6.5 - 9.5	23305131-02
	9	3.5 - 6.5	23009111-01	9	3.5 - 6.5	23009121-01	9	3.5 - 6.5	23009131-01
		6.5 - 9.5	23009111-02		6.5 - 9.5	23009121-02		6.5 - 9.5	23009131-02
	10	3.5 - 6.5	23010111-01	10	3.5 - 6.5	23010121-01	10	3.5 - 6.5	23010131-01
		6.5 - 9.5	23010111-02		6.5 - 9.5	23010121-02		6.5 - 9.5	23010131-02
	12	3.5 - 6.5	23012111-01	12	3.5 - 6.5	23012121-01	12	3.5 - 6.5	23012131-01
		6.5 - 9.5	23012111-02		6.5 - 9.5	23012121-02		6.5 - 9.5	23012131-02
	14	3.5 - 6.5	23014111-01	14	3.5 - 6.5	23014121-01	14	3.5 - 6.5	23014131-01
		6.5 - 9.5	23014111-02		6.5 - 9.5	23014121-02		6.5 - 9.5	23014131-02
	18	3.5 - 6.5	23018111-01	18	3.5 - 6.5	23018121-01	18	3.5 - 6.5	23018131-01
		6.5 - 9.5	23018111-02		6.5 - 9.5	23018121-02		6.5 - 9.5	23018131-02




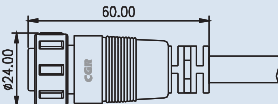
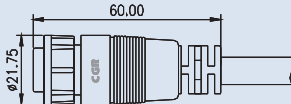
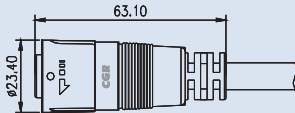




































Specifications													
Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	2.5mm <sup>2</sup> (14AWG)		1.0mm <sup>2</sup> (17AWG)	0.75mm <sup>2</sup> (18AWG)		0.34mm <sup>2</sup> (22AWG)		1.0mm <sup>2</sup> +0.25mm <sup>2</sup> 17AWG +24AWG	0.34mm <sup>2</sup> (22AWG)	0.25mm <sup>2</sup> (24AWG)			
Cable Range	3.5mm - 6.5mm, 6.5mm - 9.5mm												
Environmental Protection	IP68				IP67				IP67				
Mechanical Life	500 mating cycles												
Operating Temperature	- 45℃ - 105℃												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40℃)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	2A	2A	2A

# MIDDLE SERIES

## CHOGORI

### Middle Series Specifications

#### Middle Series, Male Connector & Male Pin

Description	Molded, 180° Screw Type, Solder	Molded, 180° Lock Bayonet Type, Solder	Molded, 180° Push Lock Type, Solder																																																																																																																														
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#### Specifications

Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	2.5mm <sup>2</sup> (14AWG)		1.0mm <sup>2</sup> (17AWG)	0.75mm <sup>2</sup> (18AWG)		0.34mm <sup>2</sup> (22AWG)		1.0mm <sup>2</sup> +0.25mm <sup>2</sup> 17AWG +24AWG	0.34mm <sup>2</sup> (22AWG)	0.25mm <sup>2</sup> (24AWG)			
Cable Range	Max. 10.8mm												
Environmental Protection	IP67												
Mechanical Life	500 mating cycles												
OperatingTemperature	- 40℃ - 80℃												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40℃)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	2A	2A	2A

# MIDDLE SERIES

## CHOGORI

### Middle Series Specifications

#### Middle Series, Male Connector & Male Pin

Description	Molded, 90° Screw Type, Solder	Molded, 90° Lock Bayonet Type, Solder	Molded, 90° Push Lock Type, Solder																																																																																																																														
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6	Max:10.8	23006134-01-XXX																																																																																																																															
7	Max:10.8	23007134-01-XXX																																																																																																																															
8	Max:10.8	23008134-01-XXX																																																																																																																															
3+5	Max:10.8	23305134-01-XXX																																																																																																																															
9	Max:10.8	23009134-01-XXX																																																																																																																															
10	Max:10.8	23010134-01-XXX																																																																																																																															
12	Max:10.8	23012134-01-XXX																																																																																																																															
14	Max:10.8	23014134-01-XXX																																																																																																																															
18	Max:10.8	23018134-01-XXX																																																																																																																															

Specifications													
Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	2.5mm <sup>2</sup> (14AWG)		1.0mm <sup>2</sup> (17AWG)	0.75mm <sup>2</sup> (18AWG)		0.34mm <sup>2</sup> (22AWG)		1.0mm <sup>2</sup> +0.25mm <sup>2</sup> 17AWG +24AWG	0.34mm <sup>2</sup> (22AWG)	0.25mm <sup>2</sup> (24AWG)			
Cable Range	Max. 10.8mm												
Environmental Protection	IP67												
Mechanical Life	500 mating cycles												
Operating Temperature	- 40℃ ~ 80℃												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40℃)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	2A	2A	2A

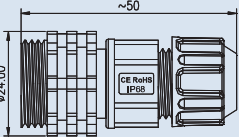
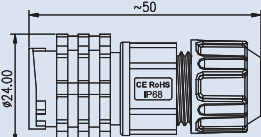
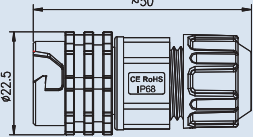
# MIDDLE SERIES

























## CHOGORI

### Middle Series Specifications

#### Middle Series, Female Connector & Male Pin

Description	Field Installable, 180° Screw Type, Solder	Field Installable, 180° Lock bayonet Type, Solder	Field Installable, 180° Push Lock Type, Solder
Figure			

Drawing			
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Part-No.	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
	2	3.5 - 6.5	23002311-01 	2	3.5 - 6.5	23002321-01 	2	3.5 - 6.5	23002331-01 
		6.5 - 9.5	23002311-02 		6.5 - 9.5	23002321-02 		6.5 - 9.5	23002331-02 
	3	3.5 - 6.5	23003311-01 	3	3.5 - 6.5	23003321-01 	3	3.5 - 6.5	23003331-01 
		6.5 - 9.5	23003311-02 		6.5 - 9.5	23003321-02 		6.5 - 9.5	23003331-02 
	4	3.5 - 6.5	23004311-01	4	3.5 - 6.5	23004321-01	4	3.5 - 6.5	23004331-01
		6.5 - 9.5	23004311-02		6.5 - 9.5	23004321-02		6.5 - 9.5	23004331-02
	5	3.5 - 6.5	23005311-01	5	3.5 - 6.5	23005321-01	5	3.5 - 6.5	23005331-01
		6.5 - 9.5	23005311-02		6.5 - 9.5	23005321-02		6.5 - 9.5	23005331-02
	6	3.5 - 6.5	23006311-01	6	3.5 - 6.5	23006321-01	6	3.5 - 6.5	23006331-01
		6.5 - 9.5	23006311-02		6.5 - 9.5	23006321-02		6.5 - 9.5	23006331-02
	7	3.5 - 6.5	23007311-01 	7	3.5 - 6.5	23007321-01 	7	3.5 - 6.5	23007331-01 
		6.5 - 9.5	23007311-02 		6.5 - 9.5	23007321-02 		6.5 - 9.5	23007331-02 
	8	3.5 - 6.5	23008311-01 	8	3.5 - 6.5	23008321-01 	8	3.5 - 6.5	23008331-01 
		6.5 - 9.5	23008311-02 		6.5 - 9.5	23008321-02 		6.5 - 9.5	23008331-02 
	3+5	3.5 - 6.5	23305311-01	3+5	3.5 - 6.5	23305321-01	3+5	3.5 - 6.5	23305331-01
		6.5 - 9.5	23305311-02		6.5 - 9.5	23305321-02		6.5 - 9.5	23305331-02
	9	3.5 - 6.5	23009311-01	9	3.5 - 6.5	23009321-01	9	3.5 - 6.5	23009331-01
		6.5 - 9.5	23009311-02		6.5 - 9.5	23009321-02		6.5 - 9.5	23009331-02
	10	3.5 - 6.5	23010311-01	10	3.5 - 6.5	23010321-01	10	3.5 - 6.5	23010331-01
		6.5 - 9.5	23010311-02		6.5 - 9.5	23010321-02		6.5 - 9.5	23010331-02
	12	3.5 - 6.5	23012311-01	12	3.5 - 6.5	23012321-01	12	3.5 - 6.5	23012331-01
		6.5 - 9.5	23012311-02		6.5 - 9.5	23012321-02		6.5 - 9.5	23012331-02
	14	3.5 - 6.5	23014311-01	14	3.5 - 6.5	23014321-01	14	3.5 - 6.5	23014331-01
		6.5 - 9.5	23014311-02		6.5 - 9.5	23014321-02		6.5 - 9.5	23014331-02
	18	3.5 - 6.5	23018311-01	18	3.5 - 6.5	23018321-01	18	3.5 - 6.5	23018331-01
		6.5 - 9.5	23018311-02		6.5 - 9.5	23018321-02		6.5 - 9.5	23018331-02

#### Specifications




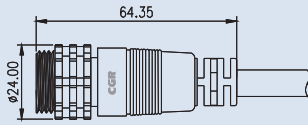
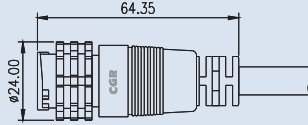
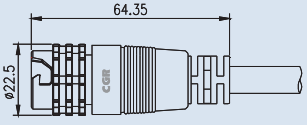




































Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	2.5mm <sup>2</sup> (14AWG)		1.0mm <sup>2</sup> (17AWG)	0.75mm <sup>2</sup> (18AWG)		0.34mm <sup>2</sup> (22AWG)		1.0mm <sup>2</sup> +0.25mm <sup>2</sup> 17AWG +24AWG	0.34mm <sup>2</sup> (22AWG)	0.25mm <sup>2</sup> (24AWG)			
Cable Range	3.5mm - 6.5mm, 6.5mm - 9.5mm												
Environmental Protection	IP68					IP67					IP67		
Mechanical Life	500 mating cycles												
Operating Temperature	- 45℃ - 105℃												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40℃)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	5A	5A	2A

# MIDDLE SERIES

## CHOGORI

### Middle Series Specifications

#### Middle Series, Female Connector & Male Pin

Description	Molded, 180° Screw Type, Solder	Molded, 180° Lock bayonet Type, Solder	Molded, 180° Push Lock Type, Solder																																																																																																																														
Figure																																																																																																																																	
Drawing																																																																																																																																	
Part-No.	<table><tr><th>Contacts</th><th>Cable Range(mm)</th><th>Part-Number</th></tr><tr><td>2</td><td>Max. 10.8</td><td>23002313-01-XXX </td></tr><tr><td>3</td><td>Max. 10.8</td><td>23003313-01-XXX </td></tr><tr><td>4</td><td>Max. 10.8</td><td>23004313-01-XXX</td></tr><tr><td>5</td><td>Max. 10.8</td><td>23005313-01-XXX</td></tr><tr><td>6</td><td>Max. 10.8</td><td>23006313-01-XXX</td></tr><tr><td>7</td><td>Max. 10.8</td><td>23007313-01-XXX </td></tr><tr><td>8</td><td>Max. 10.8</td><td>23008313-01-XXX </td></tr><tr><td>3+5</td><td>Max. 10.8</td><td>23305313-01-XXX</td></tr><tr><td>9</td><td>Max. 10.8</td><td>23009313-01-XXX</td></tr><tr><td>10</td><td>Max. 10.8</td><td>23010313-01-XXX</td></tr><tr><td>12</td><td>Max. 10.8</td><td>23012313-01-XXX</td></tr><tr><td>14</td><td>Max. 10.8</td><td>23014313-01-XXX</td></tr><tr><td>18</td><td>Max. 10.8</td><td>23018313-01-XXX</td></tr></table>	Contacts	Cable Range(mm)	Part-Number	2	Max. 10.8	23002313-01-XXX 	3	Max. 10.8	23003313-01-XXX 	4	Max. 10.8	23004313-01-XXX	5	Max. 10.8	23005313-01-XXX	6	Max. 10.8	23006313-01-XXX	7	Max. 10.8	23007313-01-XXX 	8	Max. 10.8	23008313-01-XXX 	3+5	Max. 10.8	23305313-01-XXX	9	Max. 10.8	23009313-01-XXX	10	Max. 10.8	23010313-01-XXX	12	Max. 10.8	23012313-01-XXX	14	Max. 10.8	23014313-01-XXX	18	Max. 10.8	23018313-01-XXX	<table><tr><th>Contacts</th><th>Cable Range(mm)</th><th>Part-Number</th></tr><tr><td>2</td><td>Max. 10.8</td><td>23002323-01-XXX </td></tr><tr><td>3</td><td>Max. 10.8</td><td>23003323-01-XXX </td></tr><tr><td>4</td><td>Max. 10.8</td><td>23004323-01-XXX</td></tr><tr><td>5</td><td>Max. 10.8</td><td>23005323-01-XXX</td></tr><tr><td>6</td><td>Max. 10.8</td><td>23006323-01-XXX</td></tr><tr><td>7</td><td>Max. 10.8</td><td>23007323-01-XXX </td></tr><tr><td>8</td><td>Max. 10.8</td><td>23008323-01-XXX </td></tr><tr><td>3+5</td><td>Max. 10.8</td><td>23305323-01-XXX</td></tr><tr><td>9</td><td>Max. 10.8</td><td>23009323-01-XXX</td></tr><tr><td>10</td><td>Max. 10.8</td><td>23010323-01-XXX</td></tr><tr><td>12</td><td>Max. 10.8</td><td>23012323-01-XXX</td></tr><tr><td>14</td><td>Max. 10.8</td><td>23014323-01-XXX</td></tr><tr><td>18</td><td>Max. 10.8</td><td>23018323-01-XXX</td></tr></table>	Contacts	Cable Range(mm)	Part-Number	2	Max. 10.8	23002323-01-XXX 	3	Max. 10.8	23003323-01-XXX 	4	Max. 10.8	23004323-01-XXX	5	Max. 10.8	23005323-01-XXX	6	Max. 10.8	23006323-01-XXX	7	Max. 10.8	23007323-01-XXX 	8	Max. 10.8	23008323-01-XXX 	3+5	Max. 10.8	23305323-01-XXX	9	Max. 10.8	23009323-01-XXX	10	Max. 10.8	23010323-01-XXX	12	Max. 10.8	23012323-01-XXX	14	Max. 10.8	23014323-01-XXX	18	Max. 10.8	23018323-01-XXX	<table><tr><th>Contacts</th><th>Cable Range(mm)</th><th>Part-Number</th></tr><tr><td>2</td><td>Max. 10.8</td><td>23002333-01-XXX </td></tr><tr><td>3</td><td>Max. 10.8</td><td>23003333-01-XXX </td></tr><tr><td>4</td><td>Max. 10.8</td><td>23004333-01-XXX</td></tr><tr><td>5</td><td>Max. 10.8</td><td>23005333-01-XXX</td></tr><tr><td>6</td><td>Max. 10.8</td><td>23006333-01-XXX</td></tr><tr><td>7</td><td>Max. 10.8</td><td>23007333-01-XXX </td></tr><tr><td>8</td><td>Max. 10.8</td><td>23008333-01-XXX </td></tr><tr><td>3+5</td><td>Max. 10.8</td><td>23305333-01-XXX</td></tr><tr><td>9</td><td>Max. 10.8</td><td>23009333-01-XXX</td></tr><tr><td>10</td><td>Max. 10.8</td><td>23010333-01-XXX</td></tr><tr><td>12</td><td>Max. 10.8</td><td>23012333-01-XXX</td></tr><tr><td>14</td><td>Max. 10.8</td><td>23014333-01-XXX</td></tr><tr><td>18</td><td>Max. 10.8</td><td>23018333-01-XXX</td></tr></table>	Contacts	Cable Range(mm)	Part-Number	2	Max. 10.8	23002333-01-XXX 	3	Max. 10.8	23003333-01-XXX 	4	Max. 10.8	23004333-01-XXX	5	Max. 10.8	23005333-01-XXX	6	Max. 10.8	23006333-01-XXX	7	Max. 10.8	23007333-01-XXX 	8	Max. 10.8	23008333-01-XXX 	3+5	Max. 10.8	23305333-01-XXX	9	Max. 10.8	23009333-01-XXX	10	Max. 10.8	23010333-01-XXX	12	Max. 10.8	23012333-01-XXX	14	Max. 10.8	23014333-01-XXX	18	Max. 10.8	23018333-01-XXX
Contacts	Cable Range(mm)	Part-Number																																																																																																																															
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Specifications													
Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	2.5mm <sup>2</sup> (14AWG)		1.0mm <sup>2</sup> (17AWG)	0.75mm <sup>2</sup> (18AWG)		0.34mm <sup>2</sup> (22AWG)		1.0mm <sup>2</sup> +0.25mm <sup>2</sup> (17AWG +24AWG)	0.34mm <sup>2</sup> (22AWG)	0.25mm <sup>2</sup> (24AWG)			
Cable Range	Max. 10.8mm												
Environmental Protection	IP67												
Mechanical Life	500 mating cycles												
Operating Temperature	- 40℃ - 80℃												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40℃)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	5A	5A	2A



MIDDLE SERIES

CHOGORI

Middle Series Specifications

Middle Serie , Female Connector & Female Pin

Description	Field Installable, 180° Screw Type, Solder	Field Installable, 180° Lock Bayonet Type, Solder	Field Installable, 180° Push Lock Type, Solder																																																																																																																																																																																																												
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9.5	23003431-02	4	3.5 - 6.5	23004431-01	6.5 - 9.5	23004431-02	5	3.5 - 6.5	23005431-01	6.5 - 9.5	23005431-02	6	3.5 - 6.5	23006431-01	6.5 - 9.5	23006431-02	7	3.5 - 6.5	23007431-01	6.5 - 9.5	23007431-02	8	3.5 - 6.5	23008431-01	6.5 - 9.5	23008431-02	3+5	3.5 - 6.5	23305431-01	6.5 - 9.5	23305431-02	9	3.5 - 6.5	23009431-01	6.5 - 9.5	23009431-02	10	3.5 - 6.5	23010431-01	6.5 - 9.5	23010431-02	12	3.5 - 6.5	23012431-01	6.5 - 9.5	23012431-02	14	3.5 - 6.5	23014431-01	6.5 - 9.5	23014431-02	18	3.5 - 6.5	23018431-01	6.5 - 9.5	23018431-02
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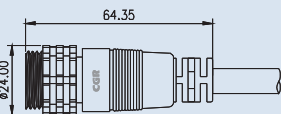
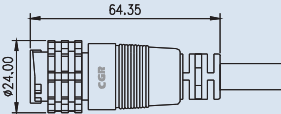
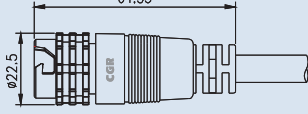




































Specifications													
Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	2.5mm <sup>2</sup> (14AWG)		1.0mm <sup>2</sup> (17AWG)	0.75mm <sup>2</sup> (18AWG)		0.34mm <sup>2</sup> (22AWG)		1.0mm <sup>2</sup> +0.25mm <sup>2</sup> 17AWG +24AWG	0.34mm <sup>2</sup> (22AWG)	0.25mm <sup>2</sup> (24AWG)			
Cable Range	3.5mm - 6.5mm, 6.5mm - 9.5mm												
Environmental Protection	IP68				IP67				IP67				
Mechanical Life	500 mating cycles												
Operating Temperature	- 45℃ - 105℃												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40℃)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	2A	2A	2A

# MIDDLE SERIES

## CHOGORI

### Middle Series Specifications

#### Middle Series, Female Connector & Female Pin

Description	Molded, 180° Screw Type, Solder	Molded, 180° Lock Bayonet Type, Solder	Molded, 180° Push Lock Type, Solder																																																																																																																														
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Specifications													
Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	2.5mm <sup>2</sup> (14AWG)		1.0mm <sup>2</sup> (17AWG)	0.75mm <sup>2</sup> (18AWG)		0.34mm <sup>2</sup> (22AWG)		1.0mm <sup>2</sup> +0.25mm <sup>2</sup> (17AWG+24AWG)	0.34mm <sup>2</sup> (22AWG)	0.25mm <sup>2</sup> (24AWG)			
Cable Range	Max. 10.8mm												
Environmental Protection	IP67												
Mechanical Life	500 mating cycles												
Operating Temperature	- 40℃ ~ 80℃												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40℃)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	2A	2A	2A

MIDDLE SERIES

CHOGORI

Middle Series Specifications

Middle Series, Male Connector

Description	Field Installable, 90° Push Lock Type, Solder	Field Installable, 90° Push Lock Type, Solder																																																																																																																																								
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9	3.5 - 6.5	23009132-01																																																																																																																																								
	6.5 - 9.5	23009132-02																																																																																																																																								
10	3.5 - 6.5	23010132-01																																																																																																																																								
	6.5 - 9.5	23010132-02																																																																																																																																								
12	3.5 - 6.5	23012132-01																																																																																																																																								
	6.5 - 9.5	23012132-02																																																																																																																																								
14	3.5 - 6.5	23014132-01																																																																																																																																								
	6.5 - 9.5	23014132-02																																																																																																																																								
18	3.5 - 6.5	23018132-01																																																																																																																																								
	6.5 - 9.5	23018132-02																																																																																																																																								




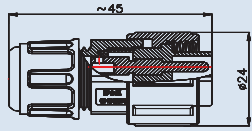
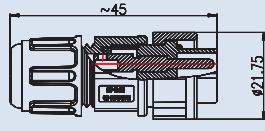
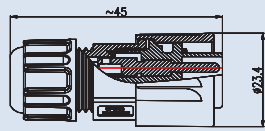
Specifications													
Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	2.5mm <sup>2</sup> (14AWG)		1.0mm <sup>2</sup> (17AWG)	0.75mm <sup>2</sup> (18AWG)		0.34mm <sup>2</sup> (22AWG)		1.0mm <sup>2</sup> +0.25mm <sup>2</sup> 17AWG +24AWG	0.34mm <sup>2</sup> (22AWG)	0.25mm <sup>2</sup> (24AWG)			
Environmental Protection	IP67												
Mechanical Life	500 mating cycles												
Operating Temperature	- 45℃ - 105℃												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40℃)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	5A	5A	2A

# MIDDLE SERIES




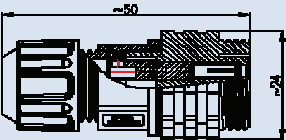
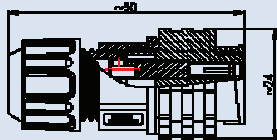
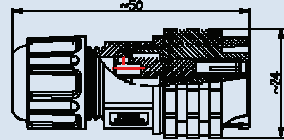
## CHOGORI

### Middle Series Specifications

#### Middle Series, Male Connector & Male Pin with Screw

Description	Field Installable, 180° Screw Type, Solder	Field Installable, 180° Lock Bayonet Type, Solder	Field Installable, 180° Push Lock Type, Solder																											
Figure																														
Drawing																														
Part-No.	<table><tr><th>Contacts</th><th>Cable Range(mm)</th><th>Part-Number</th></tr><tr><td>2</td><td>6.5 - 9.5</td><td>23002111-03</td></tr><tr><td>3</td><td>6.5 - 9.5</td><td>23003111-04</td></tr></table>	Contacts	Cable Range(mm)	Part-Number	2	6.5 - 9.5	23002111-03	3	6.5 - 9.5	23003111-04	<table><tr><th>Contacts</th><th>Cable Range(mm)</th><th>Part-Number</th></tr><tr><td>2</td><td>6.5 - 9.5</td><td>23002121-05</td></tr><tr><td>3</td><td>6.5 - 9.5</td><td>23003121-03</td></tr></table>	Contacts	Cable Range(mm)	Part-Number	2	6.5 - 9.5	23002121-05	3	6.5 - 9.5	23003121-03	<table><tr><th>Contacts</th><th>Cable Range(mm)</th><th>Part-Number</th></tr><tr><td>2</td><td>6.5 - 9.5</td><td>23002131-03</td></tr><tr><td>3</td><td>6.5 - 9.5</td><td>23003131-03</td></tr></table>	Contacts	Cable Range(mm)	Part-Number	2	6.5 - 9.5	23002131-03	3	6.5 - 9.5	23003131-03
Contacts	Cable Range(mm)	Part-Number																												
2	6.5 - 9.5	23002111-03																												
3	6.5 - 9.5	23003111-04																												
Contacts	Cable Range(mm)	Part-Number																												
2	6.5 - 9.5	23002121-05																												
3	6.5 - 9.5	23003121-03																												
Contacts	Cable Range(mm)	Part-Number																												
2	6.5 - 9.5	23002131-03																												
3	6.5 - 9.5	23003131-03																												

#### Middle Series, Female Connector & Female Pin with Screw

Description	Field Installable, 180° Screw Type, Solder	Field Installable, 180° Lock Bayonet Type, Solder	Field Installable, 180° Push Lock Type, Solder																											
Figure																														
Drawing																														
Part-No.	<table><tr><th>Contacts</th><th>Cable Range(mm)</th><th>Part-Number</th></tr><tr><td>2</td><td>6.5 - 9.5</td><td>23002411-03</td></tr><tr><td>3</td><td>6.5 - 9.5</td><td>23003411-04</td></tr></table>	Contacts	Cable Range(mm)	Part-Number	2	6.5 - 9.5	23002411-03	3	6.5 - 9.5	23003411-04	<table><tr><th>Contacts</th><th>Cable Range(mm)</th><th>Part-Number</th></tr><tr><td>2</td><td>6.5 - 9.5</td><td>23002421-05</td></tr><tr><td>3</td><td>6.5 - 9.5</td><td>23003421-03</td></tr></table>	Contacts	Cable Range(mm)	Part-Number	2	6.5 - 9.5	23002421-05	3	6.5 - 9.5	23003421-03	<table><tr><th>Contacts</th><th>Cable Range(mm)</th><th>Part-Number</th></tr><tr><td>2</td><td>6.5 - 9.5</td><td>23002431-03</td></tr><tr><td>3</td><td>6.5 - 9.5</td><td>23003431-03</td></tr></table>	Contacts	Cable Range(mm)	Part-Number	2	6.5 - 9.5	23002431-03	3	6.5 - 9.5	23003431-03
Contacts	Cable Range(mm)	Part-Number																												
2	6.5 - 9.5	23002411-03																												
3	6.5 - 9.5	23003411-04																												
Contacts	Cable Range(mm)	Part-Number																												
2	6.5 - 9.5	23002421-05																												
3	6.5 - 9.5	23003421-03																												
Contacts	Cable Range(mm)	Part-Number																												
2	6.5 - 9.5	23002431-03																												
3	6.5 - 9.5	23003431-03																												




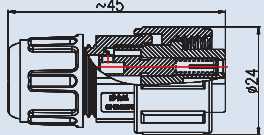
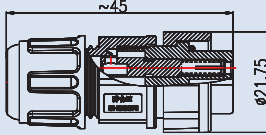
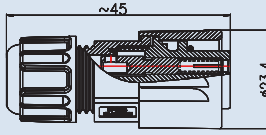
Specifications		
Number of Contacts	2	3
Wire Gauge	2.5mm <sup>2</sup> (14AWG)	
Cable Range	6.5mm - 9.5mm	
Environmental Protection	IP68	
Mechanical Life	500 mating cycles	
Operating Temperature	- 45℃ - 105℃	
Voltage Rating	300V	
Rated Current(40℃)	20A	

# MIDDLE SERIES




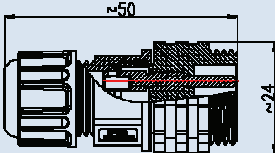
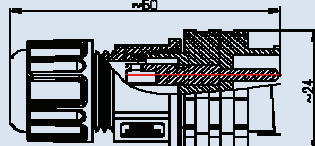
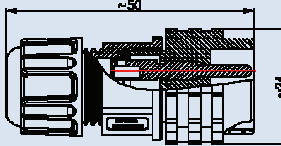
## CHOGORI

### Middle Series Specifications

#### Middle Series, Male Connector & Female Pin with Screw

Description	Field Installable, 180° Screw Type, Solder			Field Installable, 180° Lock bayonet Type, Solder			Field Installable, 180° Push Lock Type, Solder		
Figure									
Drawing									
Part-No.	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
	2	6.5 - 9.5	23002211-03	2	6.5 - 9.5	23002221-05	2	6.5 - 9.5	23002231-04
	3	6.5 - 9.5	23003211-06	3	6.5 - 9.5	23003221-03	3	6.5 - 9.5	23003231-05

#### Middle Series, Female Connector & Male Pin with Screw

Description	Molded, 180° Screw Type, Solder								
Figure									
Drawing									
Part-No.	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
	2	6.5 - 9.5	23002311-03	2	6.5 - 9.5	23002321-03	2	6.5 - 9.5	23002331-03
	3	6.5 - 9.5	23003311-03	3	6.5 - 9.5	23003321-03	3	6.5 - 9.5	23003331-03

#### Specifications

Number of Contacts	2	3
Wire Gauge	2.5mm <sup>2</sup> (14AWG)	
Cable Range	6.5mm - 9.5mm	
Environmental Protection	IP68	
Mechanical Life	500 mating cycles	
Operating Temperature	- 40℃ - 105℃	
Voltage Rating	300V	
Rated Current(40℃)	20A	




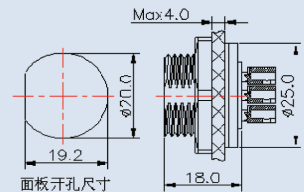
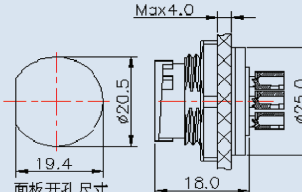
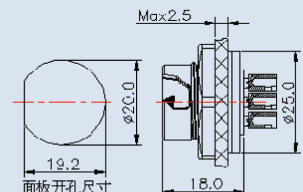


# MIDDLE SERIES




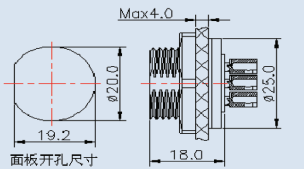
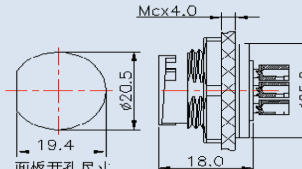
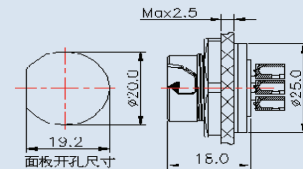
## CHOGORI

### Middle Series Specifications

#### Middle Series, Front Panel Mount & Male Pin with Screw

Description	Front Panel Mount Screw Type, Solder	Front Panel Mount Lock bayonet Type, Solder	Front Panel Mount Push Lock Type, Solder																		
Figure																					
Drawing																					
Part-No.	<table><tr><th>Contacts</th><th>Part-Number</th></tr><tr><td>2</td><td>23002515-02</td></tr><tr><td>3</td><td>23003515-05</td></tr></table>	Contacts	Part-Number	2	23002515-02	3	23003515-05	<table><tr><th>Contacts</th><th>Part-Number</th></tr><tr><td>2</td><td>23002525-05</td></tr><tr><td>3</td><td>23003525-02</td></tr></table>	Contacts	Part-Number	2	23002525-05	3	23003525-02	<table><tr><th>Contacts</th><th>Part-Number</th></tr><tr><td>2</td><td>23002535-04</td></tr><tr><td>3</td><td>23003535-07</td></tr></table>	Contacts	Part-Number	2	23002535-04	3	23003535-07
Contacts	Part-Number																				
2	23002515-02																				
3	23003515-05																				
Contacts	Part-Number																				
2	23002525-05																				
3	23003525-02																				
Contacts	Part-Number																				
2	23002535-04																				
3	23003535-07																				

#### Middle Series, Front Panel Mount & Female Pin with Screw

Description	Front Panel Mount Screw Type	Front Panel Mount Lock bayonet Type	Front Panel Mount Push Lock Type			
Figure						
Drawing						
Part-No.	Contacts	Part-Number	Contacts	Part-Number	Contacts	Part-Number
	2	23002615-04	2	23002625-05	2	23002635-05
	3	23003615-05	3	23003625-05	3	23003635-07

#### Specifications

Number of Contacts	2	3+5
Wire Gauge	2.5mm <sup>2</sup> (14AWG)	
Environmental Protection	IP68	
Mechanical Life	500 mating cycles	
Operating Temperature	- 45℃ - 105℃	
Voltage Rating	300V	
Rated Current(40℃)	20A	

# Large Series

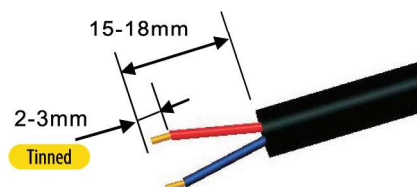
1. Large Series, Assembly Instrucion..... P79
2. Large Series, Panel Mount & Male Pin.....P80 - P82
3. Large Series, Male Connector & Female Pin.....P83 - P84
4. Large Series, Panel Mount & Female Pin .....P85- P87
5. Large Series, Male Connector & Male Pin .....P88 - P89
6. Large Series, Female Connector & Male Pin .....P90 - P91
7. Large Series, Female Connector & Female Pin .....P92 - P93



## CHOGORI

1

**Strip and prepare Cable.**



2

**Thread Seals Nut, Seals Ring, Clamp Ring and O-Ring onto the cable.**



3

**Solder wire.**



4

**Assemble O-Ring into Clamp ring.**



5

**Assemble Clamp Ring to Housing.**



6

**Put Seals Ring to the Clamp Ring.**



7

**Assemble Seals Nut and Clamp Ring.**



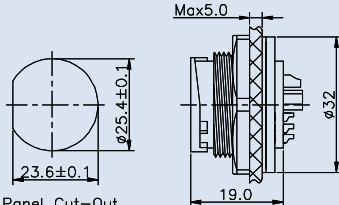
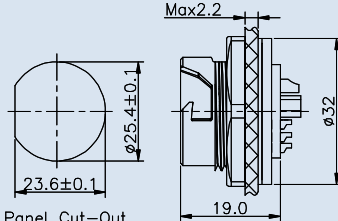


# LARGE SERIES

## CHOGORI

### Large Series Specifications

#### Large Series, Panel Mount & Male Pin

Description	Front Panel Mount Lock Bayonet Type, Solder	Front Panel Mount Push Lock Type, Solder																																								
Figure																																										
Drawing																																										
Part-No.	<table><tr><th>Contacts</th><th>Part Number</th></tr><tr><td>2</td><td>24002525-01</td></tr><tr><td>3(20A)</td><td>24003525-01</td></tr><tr><td>3(50A)</td><td>24003525-02</td></tr><tr><td>9</td><td>24009525-01</td></tr><tr><td>18</td><td>24018525-01</td></tr><tr><td>24</td><td>24024525-01</td></tr><tr><td>3+9(MF)</td><td>24309525-01</td></tr><tr><td>3+11(MF)</td><td>24311525-01</td></tr><tr><td>2+18(MF)</td><td>24218525-01</td></tr></table>	Contacts	Part Number	2	24002525-01	3(20A)	24003525-01	3(50A)	24003525-02	9	24009525-01	18	24018525-01	24	24024525-01	3+9(MF)	24309525-01	3+11(MF)	24311525-01	2+18(MF)	24218525-01	<table><tr><th>Contacts</th><th>Part Number</th></tr><tr><td>2</td><td>24002535-01</td></tr><tr><td>3(20A)</td><td>24003535-01</td></tr><tr><td>3(50A)</td><td>24003535-02</td></tr><tr><td>9</td><td>24009535-01</td></tr><tr><td>18</td><td>24018535-01</td></tr><tr><td>24</td><td>24024535-01</td></tr><tr><td>3+9(MF)</td><td>24309535-01</td></tr><tr><td>3+11(MF)</td><td>24311535-01</td></tr><tr><td>2+18(MF)</td><td>24218535-01</td></tr></table>	Contacts	Part Number	2	24002535-01	3(20A)	24003535-01	3(50A)	24003535-02	9	24009535-01	18	24018535-01	24	24024535-01	3+9(MF)	24309535-01	3+11(MF)	24311535-01	2+18(MF)	24218535-01
Contacts	Part Number																																									
2	24002525-01																																									
3(20A)	24003525-01																																									
3(50A)	24003525-02																																									
9	24009525-01																																									
18	24018525-01																																									
24	24024525-01																																									
3+9(MF)	24309525-01																																									
3+11(MF)	24311525-01																																									
2+18(MF)	24218525-01																																									
Contacts	Part Number																																									
2	24002535-01																																									
3(20A)	24003535-01																																									
3(50A)	24003535-02																																									
9	24009535-01																																									
18	24018535-01																																									
24	24024535-01																																									
3+9(MF)	24309535-01																																									
3+11(MF)	24311535-01																																									
2+18(MF)	24218535-01																																									

#### Specifications

Number of Contacts	2	3	3	9	18	24	3+9	3+11	2+18
Wire Gauge	4.0mm <sup>2</sup> (12AWG)		8.4mm <sup>2</sup> (8AWG)	0.75mm <sup>2</sup> (18AWG)	0.3mm <sup>2</sup> (22AWG)		2.5mm <sup>2</sup> +0.2mm <sup>2</sup> (12AWG+24AWG)		
Panel Thickness	Max. 5.0mm				Max. 2.2mm				
Environmental Protection	IP67								
Mechanical Life	500 mating cycles								
Operating Temperature	- 45℃ - 105℃								
Voltage Rating	300V	300V	300V	125V	125V	300V	300V		
Rated Current (40℃)	20A	20A	50A	5A	5A	20A+5A	20A+5A		

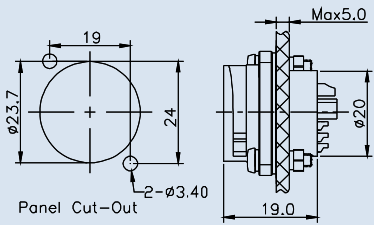
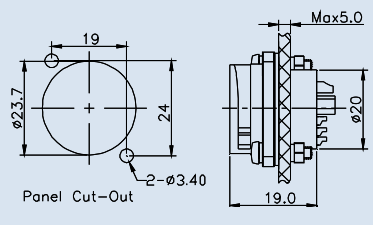
# LARGE SERIES







## CHOGORI

### Large Series Specifications

#### Large Series, Panel Mount & Male Pin

Description	Square Panel Mount Lock Bayonet Type, Solder	Square Panel Mount Push Lock Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Part Number	Contacts	Part Number
	2	24002526-01 	2	24002536-01 
	3(20A)	24003526-01 	3(20A)	24003536-01 
	3(50A)	24003526-02	3(50A)	24003536-02
	9	24009526-01	9	24009536-01
	3+9(MF)	24309526-01 	3+9(MF)	24309536-01 

Specifications					
Number of Contacts	2	3	3	9	3+9
Wire Gauge	4.0mm <sup>2</sup> (12AWG)		8.4mm <sup>2</sup> (8AWG)	0.75mm <sup>2</sup> (18AWG)	2.5mm <sup>2</sup> + 0.2mm <sup>2</sup> (12AWG+24AWG)
Panel Thickness	Max. 5.0mm				Max. 5.0mm
Environmental Protection	IP67				
Mechanical Life	500 mating cycles				
Operating Temperature	- 45℃ - 105℃				
Voltage Rating	300V	300V	300V	125V	300V
Rated Current (40℃)	20A	20A	50A	5A	20A+5A



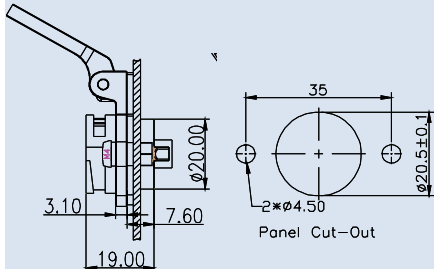
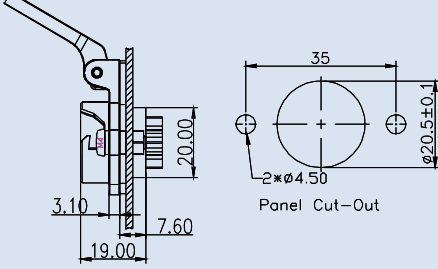
# LARGE SERIES







## CHOGORI

### Large Series Specifications

#### Large Series, Panel Mount & Male Pin

Description	Rhombus Panel Mount Lock Bayonet Type, Solder	Rhombus Panel Mount Push Lock Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Part Number	Contacts	Part Number
	2	24002526-02 	2	24002536-02 
	3(20A)	24003526-03 	3(20A)	24003536-03 
	3(50A)	24003526-04	3(50A)	24003536-04
	9	24009526-02	9	24009536-02
	3+9(MF)	24309526-02 	3+9(MF)	24309536-02 

Specifications					
Number of Contacts	2	3	3	9	3+9
Wire Gauge	4.0mm <sup>2</sup> (12AWG)		8.4mm <sup>2</sup> (8AWG)	0.75mm <sup>2</sup> (18AWG)	2.5mm <sup>2</sup> + 0.2mm <sup>2</sup> (12AWG+24AWG)
Panel Thickness	Max. 5.0mm				Max. 5.0mm
Environmental Protection	IP67				
Mechanical Life	500 mating cycles				
Operating Temperature	- 45℃ - 105℃				
Voltage Rating	300V	300V	300V	125V	300V
Rated Current (40℃)	20A	20A	50A	5A	20A+5A

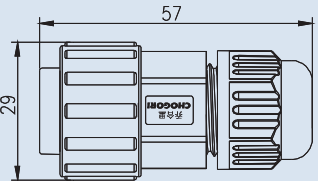
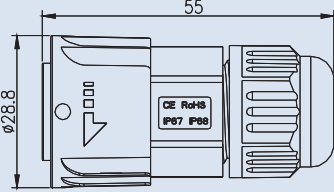
# LARGE SERIES













## CHOGORI

### Large Series Specifications

#### Large Series, Male Connector & Female Pin

Description	Field Installable, 180° Lock Bayonet Type, Solder	Field Installable, 180° Push Lock Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	4.5 - 6.5	24002221-01 	2	4.5 - 6.5	24002231-01 
		6.5 - 10.5	24002221-02 		6.5 - 10.5	24002231-02 
	3(20A)	4.5 - 6.5	24003221-01 	3(20A)	4.5 - 6.5	24003231-01 
		6.5 - 10.5	24003221-02 		6.5 - 10.5	24003231-02 
	3(50A)	4.5 - 6.5	24003221-03	3(50A)	4.5 - 6.5	24003231-03
		6.5 - 10.5	24003221-04		6.5 - 10.5	24003231-04
	9	4.5 - 6.5	24009221-01	9	4.5 - 6.5	24009231-01
		6.5 - 10.5	24009221-02		6.5 - 10.5	24009231-02
	18	4.5 - 6.5	24018221-01	18	4.5 - 6.5	24018231-01
		6.5 - 10.5	24018221-02		6.5 - 10.5	24018231-02
	24	4.5 - 6.5	24024221-01	24	4.5 - 6.5	24024231-01
		6.5 - 10.5	24024221-02		6.5 - 10.5	24024231-02
	3+9(FM)	4.5 - 6.5	24309221-01 	3+9(FM)	4.5 - 6.5	24309231-01 
		6.5 - 10.5	24309221-02 		6.5 - 10.5	24309231-02 
	3+11(FM)	4.5 - 6.5	24311221-01	3+11(FM)	4.5 - 6.5	24311231-01
		6.5 - 10.5	24311221-02		6.5 - 10.5	24311231-02



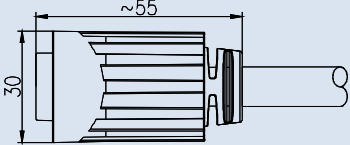
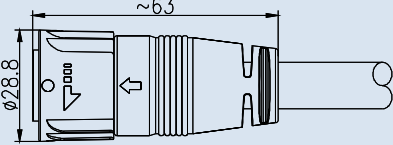
Specifications								
Number of Contacts	2	3	3	9	18	24	3+9	3+11
Wire Gauge	2.5mm <sup>2</sup> (14AWG)		2.5mm <sup>2</sup> (14AWG)	0.75mm <sup>2</sup> (18AWG)	0.3mm <sup>2</sup> (22AWG)		1.5mm <sup>2</sup> +0.2mm <sup>2</sup> (16AWG+24AWG)	
Cable Range	4.5mm - 6.5mm, 6.5mm - 10.5mm							
Environmental Protection	IP67							
Mechanical Life	500 mating cycles							
Operating Temperature	- 45°C - 105°C							
Voltage Rating	300V	300V	300V	125V	125V	125V	300V	300V
Rated Current (40°C)	20A	20A	50A	5A	5A	5A	20A+5A	20A+5A







# LARGE SERIES

## CHOGORI

### Large Series Specifications

#### Large Series, Male Connector & Female Pin

Description	Molded with Cable, 180° Lock Bayonet Type, Solder	Molded with Cable, 180° Push Lock Type, Solder
Figure		
Drawing		

Part-No.	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	Max. 13.0mm	24002223-01-XXX 	2	Max. 13.0mm	24002233-01-XXX 
	3(20A)	Max. 13.0mm	24003223-01-XXX 	3(20A)	Max. 13.0mm	24003233-01-XXX 
	3(50A)	Max. 13.0mm	24003223-02-XXX	3(50A)	Max. 13.0mm	24003233-02-XXX
	9	Max. 13.0mm	24009223-01-XXX	9	Max. 13.0mm	24009233-01-XXX
	18	Max. 13.0mm	24018223-01-XXX	18	Max. 13.0mm	24018233-01-XXX
	24	Max. 13.0mm	24024223-01-XXX	24	Max. 13.0mm	24024233-01-XXX
	3+9(FM)	Max. 13.0mm	24309223-01-XXX 	3+9(FM)	Max. 13.0mm	24309233-01-XXX 
	3+11(FM)	Max. 13.0mm	24311223-01-XXX	3+11(FM)	Max. 13.0mm	24311233-01-XXX
	2+18(FM)	Max. 13.0mm	24218223-01-XXX	2+18(FM)	Max. 13.0mm	24218233-01-XXX

Specifications									
Number of Contacts	2	3	3	9	18	24	3+9	3+11	2+18
Wire Gauge	4.0mm <sup>2</sup> (12AWG)		8.4mm <sup>2</sup> (8AWG)	0.75mm <sup>2</sup> (18AWG)	0.3mm <sup>2</sup> (22AWG)		2.5mm <sup>2</sup> +0.2mm <sup>2</sup> (12AWG+24AWG)		
Cable Range	4.5mm - 13.0mm								
Environmental Protection	IP67								
Mechanical Life	500 mating cycles								
OperatingTemperature	- 40℃ - 80℃								
Voltage Rating	300V	300V	300V	125V	125V	125V	300V	300V	300V
Rated Current (40℃)	20A	20A	50A	5A	5A	5A	20A+5A	20A+5A	20A+5A

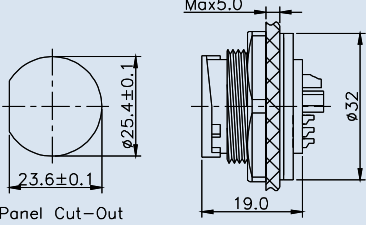
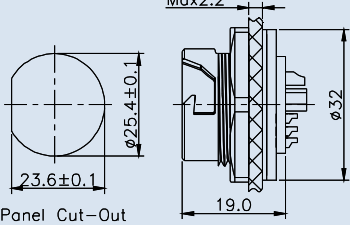
# LARGE SERIES







## CHOGORI

### Large Series Specifications

#### Large Series, Panel Mount & Female Pin

Description	Front Panel Mount Lock Bayonet Type, Solder	Front Panel Mount Push Lock Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Part Number	Contacts	Part Number
	2	24002625-01 	2	24002635-01 
	3(20A)	24003625-01 	3(20A)	24003635-01 
	3(50A)	24003625-02	3(50A)	24003635-02
	9	24009625-01	9	24009635-01
	18	24018625-01	18	24018635-01
	3+9(FM)	24309625-01 	3+9(FM)	24309635-01 
	3+11(FM)	24311625-01	3+11(FM)	24311635-01
	2+13(FM)	24213625-01	2+13(FM)	24213635-01
	2+4(F)	24204625-01	2+4(F)	24204635-01

Specifications									
Number of Contacts	2	3	3	9	18	3+9	3+11	2+13	2+4
Wire Gauge	4.0mm <sup>2</sup> (12AWG)		8.4mm <sup>2</sup> (8AWG)	0.75mm <sup>2</sup> (18AWG)	0.3mm <sup>2</sup> (22AWG)	2.5mm <sup>2</sup> + 0.2mm <sup>2</sup> (12AWG+24AWG)			2mm <sup>2</sup> +0.2mm <sup>2</sup> (14AWG+24AWG)
Panel Thickness	Max. 5.0mm				Max. 2.2mm				
Environmental Protection	IP67								
Mechanical Life	500 mating cycles								
Operating Temperature	- 45℃ - 105℃								
Voltage Rating	300V	300V	300V	125V	125V	300V	300V	300V	300V
Rated Current (40℃)	20A	20A	50A	5A	5A	20A+5A	20A+5A	20A+5A	50A+5A

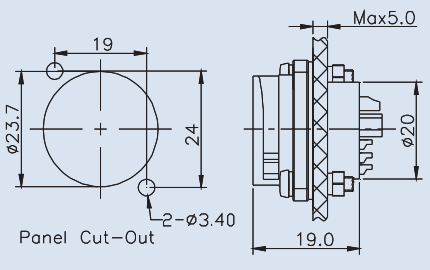
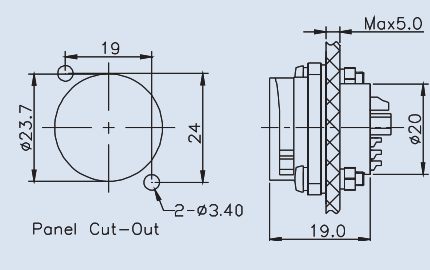
# LARGE SERIES







## CHOGORI

### Large Series Specifications

#### Large Series, Panel Mount & Female Pin

Description	Square Panel Mount Lock Bayonet Type, Solder	Square Panel Mount Push Lock Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Part Number	Contacts	Part Number
	2	24002626-01 	2	24002636-01 
	3(20A)	24003626-01 	3(20A)	24003636-01 
	3(50A)	24003626-02	3(50A)	24003636-02
	9	24009626-01	9	24009636-01
	3+9(FM)	24309626-01 	3+9(FM)	24309636-01 

Specifications					
Number of Contacts	2	3	3	9	3+9
Wire Gauge	4.0mm <sup>2</sup> (12AWG)		8.4mm <sup>2</sup> (8AWG)	0.75mm <sup>2</sup> (18AWG)	2.5mm <sup>2</sup> + 0.2mm <sup>2</sup> (12AWG+24AWG)
Panel Thickness	Max. 5.0mm				Max. 5.0mm
Environmental Protection	IP67				
Mechanical Life	500 mating cycles				
Operating Temperature	- 45°C - 105°C				
Voltage Rating	300V	300V	300V	125V	300V
Rated Current (40°C)	20A	20A	50A	5A	20A+5A



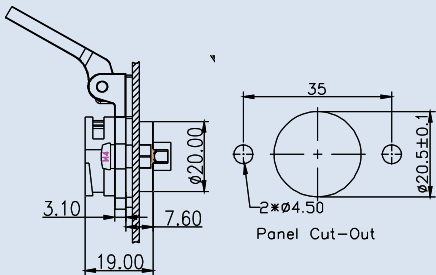
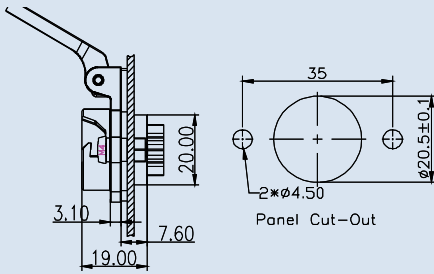
LARGE SERIES







CHOGORI

Large Series Specifications

Large Series, Panel Mount & Female Pin

Description	Rhombus Panel Mount Lock Bayonet Type,Solder	Rhombus Panel Mount Push Lock Type,Solder
Figure		

Drawing		
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Part-No.	Contacts	Part Number	Contacts	Part Number
	2	24002626-05 	2	24002636-05 
	3(20A)	24003626-03 	3(20A)	24003636-03 
	3(50A)	24003626-04	3(50A)	24003636-04
	9	24009626-05	9	24009636-05
	3+9(FM)	24309626-05 	3+9(FM)	24309636-05 

Specifications					
Number of Contacts	2	3	3	9	3+9
Wire Gauge	4.0mm <sup>2</sup> (12AWG)		8.4mm <sup>2</sup> (8AWG)	0.75mm <sup>2</sup> (18AWG)	2.5mm <sup>2</sup> + 0.2mm <sup>2</sup> (12AWG+24AWG)
Panel Thickness	Max. 5.0mm				Max. 5.0mm
Environmental Protection	IP67				
Mechanical Life	500 mating cycles				
Operating Temperature	- 45℃ - 105℃				
Voltage Rating	300V	300V	300V	125V	300V
Rated Current (40℃)	20A	20A	50A	5A	20A+5A

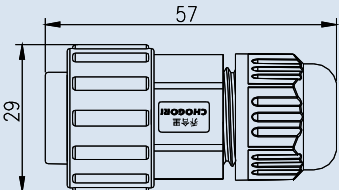
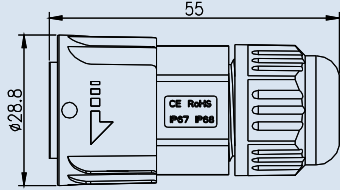
# LARGE SERIES













## CHOGORI

### Large Series Specifications

#### Large Series, Male connector & Male Pin

Description	Field Installable, 180° Lock Bayonet Type, Solder	Field Installable, 180° Push Lock Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	4.5 - 6.5	24002121-01 	2	4.5 - 6.5	24002131-01 
		6.5 - 10.5	24002121-02 		6.5 - 10.5	24002131-02 
	3(20A)	4.5 - 6.5	24003121-01 	3(20A)	4.5 - 6.5	24003131-01 
		6.5 - 10.5	24003121-02 		6.5 - 10.5	24003131-02 
	3(50A)	4.5 - 6.5	24003121-03	3(50A)	4.5 - 6.5	24003131-03
		6.5 - 10.5	24003121-04		6.5 - 10.5	24003131-04
	9	4.5 - 6.5	24009121-01	9	4.5 - 6.5	24009131-01
		6.5 - 10.5	24009121-02		6.5 - 10.5	24009131-02
	18	4.5 - 6.5	24018121-01	18	4.5 - 6.5	24018131-01
		6.5 - 10.5	24018121-02		6.5 - 10.5	24018131-02
	3+9(MF)	4.5 - 6.5	24309121-01 	3+9(MF)	4.5 - 6.5	24309131-01 
		6.5 - 10.5	24309121-02 		6.5 - 10.5	24309131-02 
	3+11(MF)	4.5 - 6.5	24311121-01	3+11(MF)	4.5 - 6.5	24311131-01
		6.5 - 10.5	24311121-02		6.5 - 10.5	24311131-02
	2+13(MF)	6.5 - 10.5	24213121-01	2+13(MF)	6.5 - 10.5	24213131-01
	2+4(M)	6.5 - 10.5	24204121-01	2+4(M)	6.5 - 10.5	24204131-01

Specifications									
Number of Contacts	2	3	3	9	18	3+9	3+11	2+13	2+4
Wire Gauge	2.5mm <sup>2</sup> (14AWG)		2.5mm <sup>2</sup> (14AWG)	0.75mm <sup>2</sup> (18AWG)	0.3mm <sup>2</sup> (22AWG)	1.5mm <sup>2</sup> +0.2mm <sup>2</sup> (16AWG+24AWG)			2mm <sup>2</sup> +0.2mm <sup>2</sup> (14AWG+24AWG)
Cable Range	4.5mm - 6.5mm, 6.5mm - 10.5mm								
Environmental Protection	IP67								
Mechanical Life	500 mating cycles								
Operating Temperature	- 45℃ - 105℃								
Voltage Rating	300V	300V	300V	125V	125V	300V	300V		300V
Rated Current (40℃)	20A	20A	50A	5A	5A	20A+5A		20A+5A	50A+5A

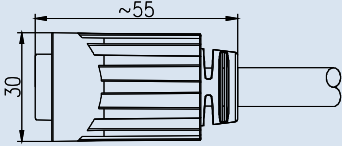
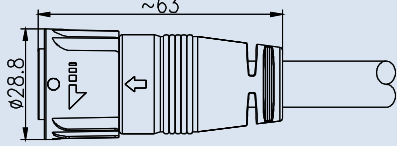
# LARGE SERIES







## CHOGORI

### Large Series Specifications

#### Large Series, Male connector & Male Pin

Description	Molded with Cable, 180° Lock Bayonet Type, Solder	Molded with Cable, 180° Push Lock Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	Max. 13.0mm	24002123-01-XXX 	2	Max. 13.0mm	24002133-01-XXX 
	3(20A)	Max. 13.0mm	24003123-01-XXX 	3(20A)	Max. 13.0mm	24003133-01-XXX 
	3(50A)	Max. 13.0mm	24003123-02-XXX	3(50A)	Max. 13.0mm	24003133-02-XXX
	9	Max. 13.0mm	24009123-01-XXX	9	Max. 13.0mm	24009133-01-XXX
	18	Max. 13.0mm	24018123-01-XXX	18	Max. 13.0mm	24018133-01-XXX
	3+9(MF)	Max. 13.0mm	24309123-01-XXX 	3+9(MF)	Max. 13.0mm	24309133-01-XXX 
	3+11(MF)	Max. 13.0mm	24311123-01-XXX	3+11(MF)	Max. 13.0mm	24311133-01-XXX
	2+13(MF)	Max. 13.0mm	24213123-01-XXX	2+13(MF)	Max. 13.0mm	24213133-01-XXX

Specifications									
Number of Contacts	2	3	3	9	18	3+9	3+11	2+13	2+4
Wire Gauge	4.0mm <sup>2</sup> (12AWG)		8.4mm <sup>2</sup> (8AWG)	0.75mm <sup>2</sup> (18AWG)	0.3mm <sup>2</sup> (22AWG)	2.5mm <sup>2</sup> + 0.2mm <sup>2</sup> (12AWG+24AWG)			2mm <sup>2</sup> +0.2mm <sup>2</sup> (14AWG+24AWG)
Cable Range	4.5mm - 13.0mm								
Environmental Protection	IP67								
Mechanical Life	500 mating cycles								
Operating Temperature	- 40℃ - 80℃								
Voltage Rating	300V	300V	300V	125V	125V	300V	300V		300V
Rated Current (40℃)	20A	20A	50A	5A	5A	20A+5A	20A+5A		50A+5A

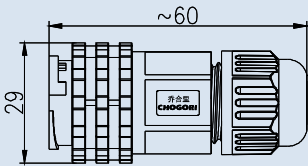
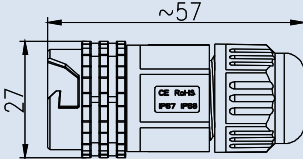
# LARGE SERIES













## CHOGORI

### Large Series Specifications

#### Large Series, Female Connector & Male Pin

Description	Field Installable, 180° Lock Bayonet Type, Solder	Field Installable, 180° Push Lock Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
2		4.5 - 6.5	24002321-01 	2		24002331-01 
		6.5 - 10.5	24002321-02 			24002331-02 
3(20A)		4.5 - 6.5	24003321-01 	3(20A)		24003331-01 
		6.5 - 10.5	24003321-02 			24003331-02 
3(50A)		4.5 - 6.5	24003321-03	3(50A)		24003331-03
		6.5 - 10.5	24003321-04			24003331-04
9		4.5 - 6.5	24009321-01	9		24009331-01
		6.5 - 10.5	24009321-02			24009331-02
18		4.5 - 6.5	24018321-01	18		24018331-01
		6.5 - 10.5	24018321-02			24018331-02
3+9(MF)		4.5 - 6.5	24309321-01 	3+9(MF)		24309331-01 
		6.5 - 10.5	24309321-02 			24309331-02 
3+11(MF)		4.5 - 6.5	24311321-01	3+11(MF)		24311331-01
		6.5 - 10.5	24311321-02			24311331-02
24		6.5 - 10.5	24024321-02	24	6.5 - 10.5	24024331-02

Specifications								
Number of Contacts	2	3	3	9	18	24	3+9	3+11
Wire Gauge	2.5mm <sup>2</sup> (14AWG)		2.5mm <sup>2</sup> (14AWG)	0.75mm <sup>2</sup> (18AWG)	0.3mm <sup>2</sup> (22AWG)		1.5mm <sup>2</sup> +0.2mm <sup>2</sup> (16AWG+24AWG)	
Cable Range	4.5mm - 6.5mm, 6.5mm - 10.5mm							
Environmental Protection	IP67							
Mechanical Life	500 mating cycles							
Operating Temperature	- 45℃ - 105℃							
Voltage Rating	300V	300V	300V	125V	125V	125V	300V	
Rated Current (40℃)	20A	20A	50A	5A	5A	5A	20A+5A	

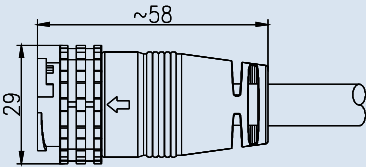
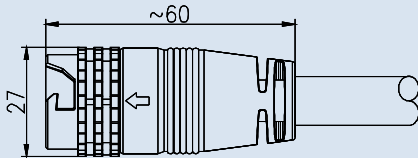
# LARGE SERIES






## CHOGORI

### Large Series Specifications

#### Large Series, Female Connector & Male Pin

Description	Molded with Cable, 180° Lock Bayonet Type, Solder	Molded with Cable, 180° Push Lock Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	Max. 13.0mm	24002323-01-XXX 	2	Max. 13.0mm	24002333-01-XXX 
	3(20A)	Max. 13.0mm	24003323-01-XXX 	3(20A)	Max. 13.0mm	24003333-01-XXX 
	3(50A)	Max. 13.0mm	24003323-02-XXX	3(50A)	Max. 13.0mm	24003333-02-XXX
	9	Max. 13.0mm	24009323-01-XXX	9	Max. 13.0mm	24009333-01-XXX
	18	Max. 13.0mm	24018323-01-XXX	18	Max. 13.0mm	24018333-01-XXX
	3+9(MF)	Max. 13.0mm	24309323-01-XXX 	3+9(MF)	Max. 13.0mm	24309333-01-XXX 
	3+11(MF)	Max. 13.0mm	24311323-01-XXX	3+11(MF)	Max. 13.0mm	24311333-01-XXX
	24	Max. 13.0mm	24024323-01-XXX	24	Max. 13.0mm	24024333-01-XXX
	2+18(MF)	Max. 13.0mm	24218323-01-XXX	2+18(MF)	Max. 13.0mm	24218333-01-XXX

Specifications									
Number of Contacts	2	3	3	9	18	24	3+9	3+11	2+18
Wire Gauge	4.0mm <sup>2</sup> (12AWG)		8.4mm <sup>2</sup> (8AWG)	0.75mm <sup>2</sup> (18AWG)	0.3mm <sup>2</sup> (22AWG)		2.5mm <sup>2</sup> + 0.2mm <sup>2</sup> (12AWG+24AWG)		
Cable Range	4.5mm - 13.0mm								
Environmental Protection	IP67								
Mechanical Life	500 mating cycles								
Operating Temperature	- 40℃ - 80℃								
Voltage Rating	300V	300V	300V	125V	125V	125V	300V		
Rated Current (40℃)	20A	20A	50A	5A	5A	5A	20A+5A		



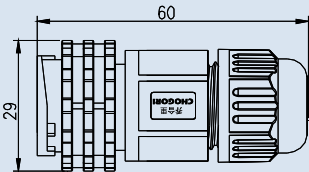
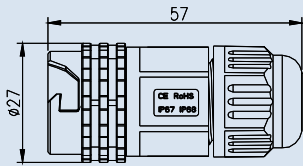
# LARGE SERIES













## CHOGORI

### Large Series Specifications

#### Large Series, Female connector & Female Pin

Description	Field Installable, 180° Lock Bayonet Type, Solder	Field Installable, 180° Push Lock Type, Solder
Figure		

Drawing		
---------	---	--

Part-No.	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
2		4.5 - 6.5	24002421-01 	2		24002431-01 
		6.5 - 10.5	24002421-02 			24002431-02 
3(20A)		4.5 - 6.5	24003421-01 	3(20A)		24003431-01 
		6.5 - 10.5	24003421-02 			24003431-02 
3(50A)		4.5 - 6.5	24003421-03	3(50A)		24003431-03
		6.5 - 10.5	24003421-04			24003431-04
9		4.5 - 6.5	24009421-01	9		24009431-01
		6.5 - 10.5	24009421-02			24009431-02
18		4.5 - 6.5	24018421-01	18		24018431-01
		6.5 - 10.5	24018421-02			24018431-02
3+9(FM)		4.5 - 6.5	24309421-01 	3+9(FM)		24309431-01 
		6.5 - 10.5	24309421-02 			24309431-02 
3+11(FM)		4.5 - 6.5	24311421-01	3+11(FM)		24311431-01
		6.5 - 10.5	24311421-02			24311431-02
2+13(FM)		6.5 - 10.5	24213421-01	2+13(FM)	6.5 - 10.5	24213431-01

Specifications									
Number of Contacts	2	3	3	9		18	3+9	3+11	2+13
Wire Gauge	2.5mm <sup>2</sup> (14AWG)		2.5mm <sup>2</sup> (14AWG)	0.75mm <sup>2</sup> (18AWG)		0.3mm <sup>2</sup> (22AWG)	1.5mm <sup>2</sup> +0.2mm <sup>2</sup> (16AWG+24AWG)		
Cable Range	4.5mm - 6.5mm, 6.5mm - 10.5mm								
Environmental Protection	IP67								
Mechanical Life	500 mating cycles								
Operating Temperature	- 45℃ - 105℃								
Voltage Rating	300V	300V	300V	125V		125V	300V	300V	
Rated Current (40℃)	20A	20A	50A	5A		5A	20A+5A	20A+5A	

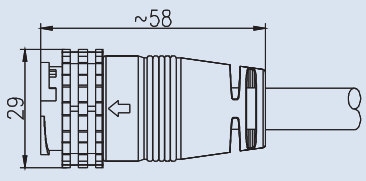
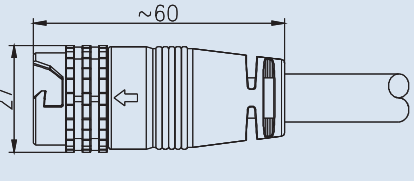
# LARGE SERIES

## CHOGORI

### Large Series Specifications

#### Large Series, Female connector & Female Pin

Description	Molded with Cable, 180° Lock Bayonet Type, Solder	Molded with Cable, 180° Push Lock Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	Max. 13.0mm	24002423-01-XXX 	2	Max. 13.0mm	24002433-01-XXX 
	3(20A)	Max. 13.0mm	24003423-01-XXX 	3(20A)	Max. 13.0mm	24003433-01-XXX 
	3(50A)	Max. 13.0mm	24003423-02-XXX	3(50A)	Max. 13.0mm	24003433-02-XXX
	9	Max. 13.0mm	24009423-01-XXX	9	Max. 13.0mm	24009433-01-XXX
	18	Max. 13.0mm	24018423-01-XXX	18	Max. 13.0mm	24018433-01-XXX
	3+9(FM)	Max. 13.0mm	24309423-01-XXX 	3+9(FM)	Max. 13.0mm	24309433-01-XXX 
	3+11(FM)	Max. 13.0mm	24311423-01-XXX	3+11(FM)	Max. 13.0mm	24311433-01-XXX
	2+13(FM)	Max. 13.0mm	24213423-01-XXX	2+13(FM)	Max. 13.0mm	24213433-01-XXX

#### Specifications

Number of Contacts	2	3	3	9	18	3+9	3+11	2+13
Wire Gauge	4.0mm <sup>2</sup> (12AWG)		8.4mm <sup>2</sup> (8AWG)	0.75mm <sup>2</sup> (18AWG)	0.3mm <sup>2</sup> (22AWG)	2.5mm <sup>2</sup> + 0.2mm <sup>2</sup> (12AWG+24AWG)		
Cable Range	4.5mm - 13.0mm							
Environmental Protection	IP67							
Mechanical Life	500 mating cycles							
Operating Temperature	- 40℃ - 80℃							
Voltage Rating	300V	300V	300V	125V	125V	300V	300V	
Rated Current (40℃)	20A	20A	50A	5A	5A	20A+5A	20A+5A	

# Distributor Series

- 1.Distributor Series, Standard Push Lock.....P95
- 2.Distributor Series, Stamping Contact Screw.....P96



# Distributor SERIES

## CHOGORI

### Distribution Systems Specifications

#### Distributor Series

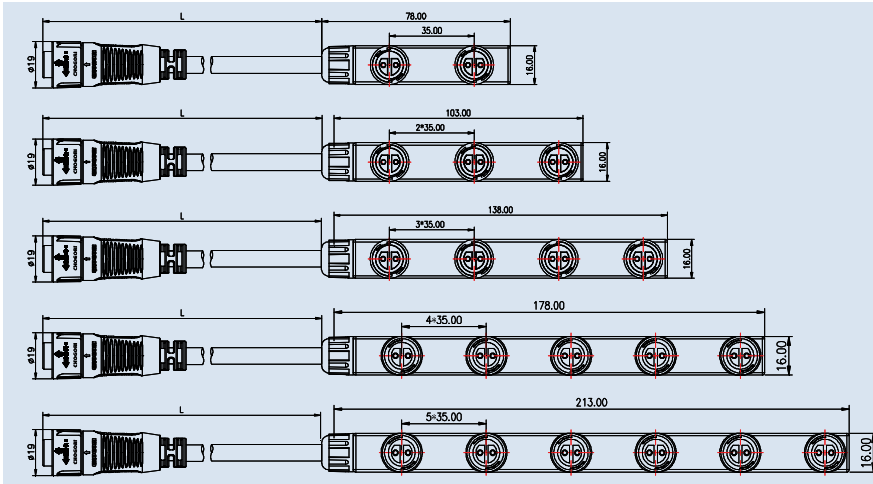
##### Description

##### Figure

Push Lock Type, Standard



##### Drawing



##### Part Number

Contacts	Ways	Connection Type	Part Number	Contacts	Ways	Connection Type	Part Number
2	2	In Series	44002030-01-XXX	2	2	In Parallel	44002030-11-XXX
	3		44002030-02-XXX		3		44002030-12-XXX
	4		44002030-03-XXX		4		44002030-13-XXX
	5		44002030-04-XXX		5		44002030-14-XXX
	6		44002030-05-XXX		6		44002030-15-XXX
3	2		44003030-01-XXX	3	2		44003030-11-XXX
	3		44003030-02-XXX		3		44003030-12-XXX
	4		44003030-03-XXX		4		44003030-13-XXX
	5		44003030-04-XXX		5		44003030-14-XXX
	6		44003030-05-XXX		6		44003030-15-XXX

Wire Gauge	1.0mm <sup>2</sup>
Cable Range	3.5mm - 8.5 mm
Environmental Protection	IP67
Mechanical Life	500 mating cycles
Operating Temperature	- 45°C - 105°C
Voltage Rating	300V
Rated Current (40°C)	10A
Contact	Brass, Ni Plated
Material of Housing	PA

# Distributor SERIES

## CHOGORI

### Distribution Systems Specifications

#### Distributor Series

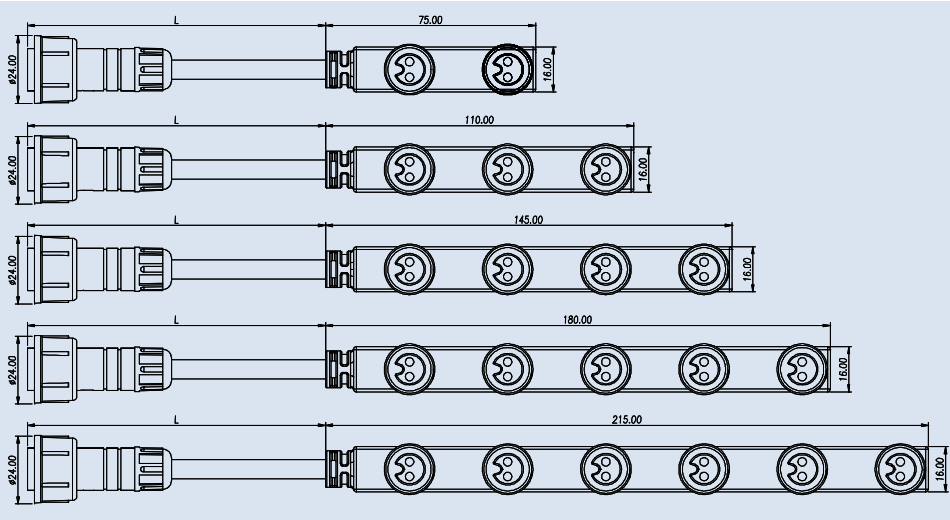
Description

Screw Type, Stamping Contact

Figure



Drawing



Part Number

Contacts	Ways	Connection Type	Part Number	Contacts	Ways	Connection Type	Part Number
2	2	In Series	45002010-01-XXX	2	2	In Parallel	45002010-11-XXX
	3		45002010-02-XXX		3		45002010-12-XXX
	4		45002010-03-XXX		4		45002010-13-XXX
	5		45002010-04-XXX		5		45002010-14-XXX
	6		45002010-05-XXX		6		45002010-15-XXX
	2		45003010-01-XXX	3	2		45003010-11-XXX
3	3	In Parallel	45003010-02-XXX		3		45003010-12-XXX
	4		45003010-03-XXX		4		45003010-13-XXX
	5		45003010-04-XXX		5		45003010-14-XXX
	6		45003010-05-XXX		6		45003010-15-XXX

Wire Gauge	1.0mm <sup>2</sup>
Cable Range	3.5mm - 8.5 mm
Environmental Protection	IP67
Mechanical Life	100mating cycles
Operating Temperature	- 45℃ - 105℃
Voltage Rating	300V
Rated Current (40℃)	9A
Contact	Brass, Ni Plated
Material of Housing	PA



# Distributor SERIES

## CHOGORI

### Distribution Systems Specifications

#### Distributor Series

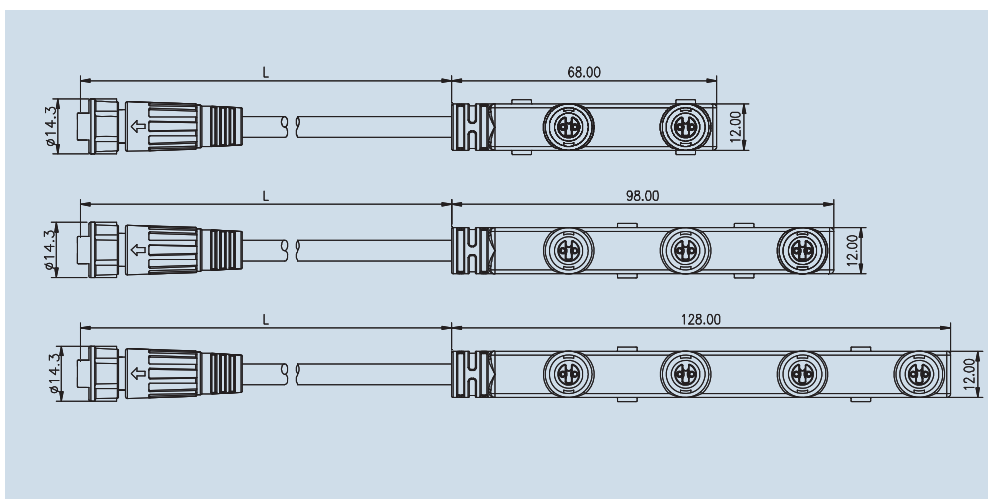
##### Description

Lock Bayonet Type Mini

##### Figure



##### Drawing



##### Part Number

Contacts	Ways	Connection Type	Part Number	Contacts	Ways	Connection Type	Part Number
2	2	In Series	46002020-01-XXX	2	2	In Parallel	46002020-11-XXX
	3		46002020-02-XXX		3		46002020-12-XXX
	4		46002020-03-XXX		4		46002020-13-XXX
3	2		46003020-01-XXX	3	2		46003020-11-XXX
	3		46003020-02-XXX		3		46003020-12-XXX
	4		46003020-03-XXX		4		46003020-13-XXX

Cable Range	Max 7.2mm
Environmental Protection	IP67
Mechanical Life	500 mating cycles
Operating Temperature	- 40℃ - 105℃
Voltage Rating	110V
Rated Current (40℃)	5A
Contact	Brass, Ni Plated
Material of Housing	PA

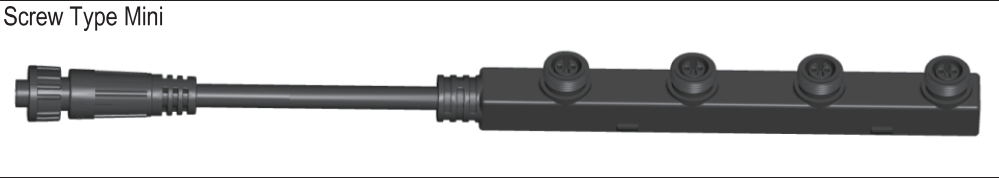
# Distributor SERIES

## CHOGORI

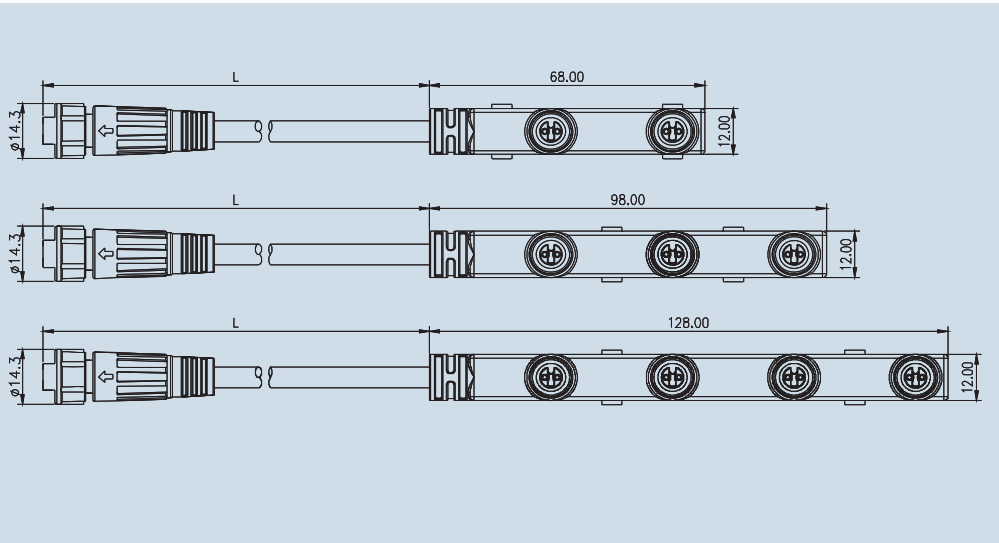
### Distribution Systems Specifications

#### Distributor Series

Description  
Figure



#### Drawing



#### Part Number

Contacts	Ways	Connection Type	Part Number	Contacts	Ways	Connection Type	Part Number
2	2	In Series	46002010-01-XXX	2	2	In Parallel	46002020-11-XXX
	3		46002010-02-XXX		3		46002020-12-XXX
	4		46002010-03-XXX		4		46002020-13-XXX
3	2		46003010-01-XXX	3	2		46003020-11-XXX
	3		46003010-02-XXX		3		46003020-12-XXX
	4		46003010-03-XXX		4		46003020-13-XXX

Cable Range	Max 7.2mm
Environmental Protection	IP67
Mechanical Life	500 mating cycles
Operating Temperature	- 40℃ - 105℃
Voltage Rating	110V
Rated Current (40℃)	5A
Contact	Brass, Ni Plated
Material of Housing	PA

Distributor SERIES

CHOGORI


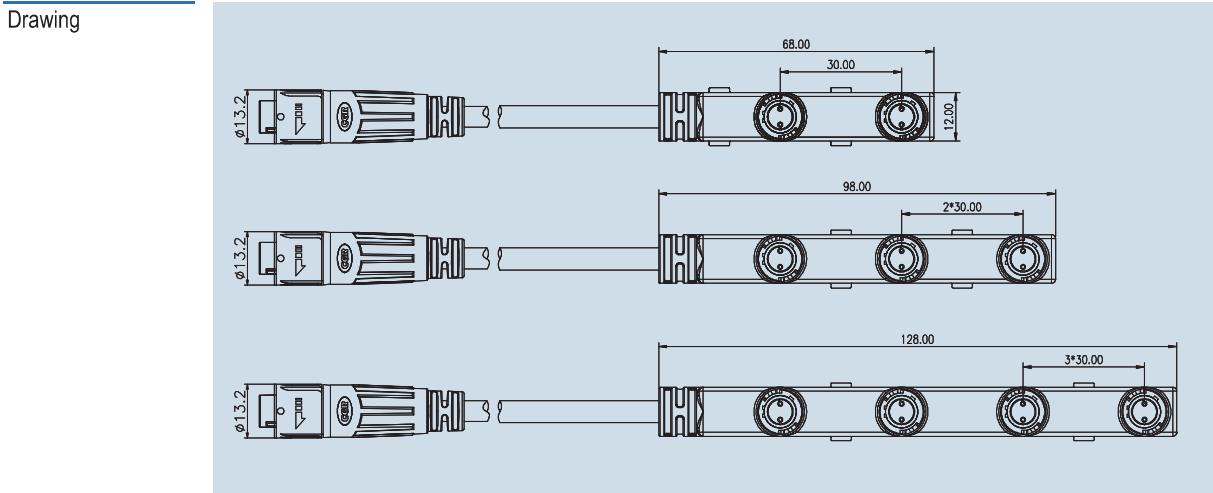
Distribution Systems Specifications

Distributor Series

Description

Figure

Push Lock Type 500

Part Number	Contacts	Ways	Connection Type	Part Number	Contacts	Ways	Connection Type	Part Number
	2	2	In Series	47002030-01-XXX	2	2	In Parallel	47002030-11-XXX
		3		47002030-02-XXX		3		47002030-12-XXX
		4		47002030-03-XXX		4		47002030-13-XXX
	3	2		47003030-01-XXX	3	2		47003030-11-XXX
		3		47003030-02-XXX		3		47003030-12-XXX
		4		47003030-03-XXX		4		47003030-13-XXX

Cable Range	2.9mm - 6.3mm
Environmental Protection	IP65
Mechanical Life	500 mating cycles
OperatingTemperature	- 40℃ - 85℃
Voltage Rating	110V
Rated Current (40℃)	5A
Contact	Brass, Ni Plated
Material of Housing	PA



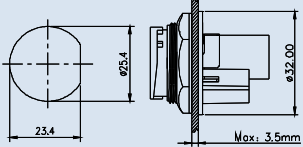
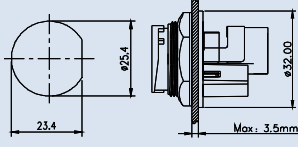
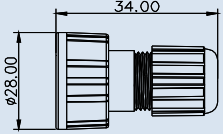
# RJ45 SERIES

## CHOGORI

### RJ45 Series Specifications

#### RJ45 Series,Panel Front Mount

Description	Panel Front Mount,180° Lock Bayonet Type, Jack	Panel Front Mount,90° Lock Bayonet Type, Jack	Lock Bayonet Type, Field Installable
Figure			

Drawing			
	Panel Cut-Out	Panel Cut-Out	

Part Number	Contacts	Part Number	Contacts	Part Number	Contacts	Part Number
	8	33000000-04	8	33000000-05	0	33000000-06

Specifications			
Number of Contacts	8		0
Wire Gauge	24AWG		
Panel Thickness	Max. 3.5mm	Max. 3.5mm	Cable Range: 4.0mm - 7.0mm
Environmental Protection	IP67	IP67	
Mechanical Life	500 mating cycles		
Operating Temperature	- 40℃ - 85℃		






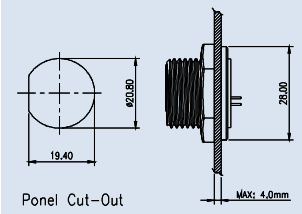
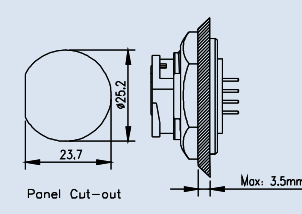
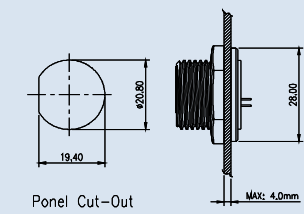
# RJ45 SERIES

## CHOGORI

### RJ45 Series Specifications

#### RJ45 Series,Panel Front Mount

Description	Panel Front Mount, Screw Type, PCB	Panel Front Mount, Lock Bayonet Type, PCB	Panel Front Mount, Screw(Metal) Type, PCB
Figure			

Drawing			
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Part Number	Contacts	Part Number	Contacts	Part Number	Contacts	Part Number
	8	33000000-07	8	33000000-08	8	33000000-09

#### Specifications


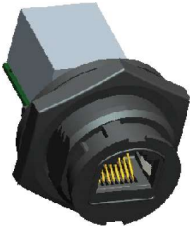
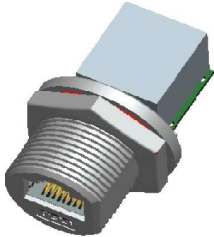
Number of Contacts	8		
Wire Gauge	24AWG		
Panel Thickness	Max. 4.0mm	Max. 3.5mm	Max. 4.0mm
Environmental Protection	IP67	IP67	IP67
Mechanical Life	500 mating cycles		
Operating Temperature	- 40℃ - 85℃		

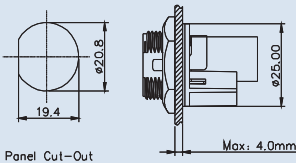
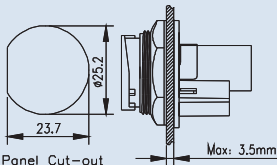
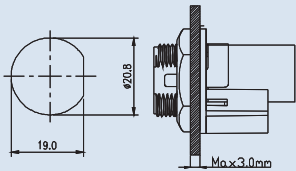
# RJ45 SERIES

## CHOGORI

### RJ45 Series Specifications

#### RJ45 Series,Panel Front Mount

Description	Panel Front Mount,180° Screw Type, Jack	Panel Front Mount,180° Lock Bayonet Type, Jack	Panel Front Mount,180° Screw(Metal) Type, Jack
Figure			

Drawing			
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Part Number	Contacts	Part Number	Contacts	Part Number	Contacts	Part Number
	8	33000000-10	8	33000000-11	8	33000000-12

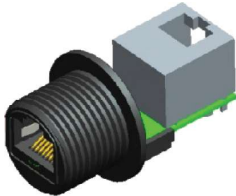


Specifications			
Number of Contacts	8		
Wire Gauge	24AWG		
Panel Thickness	Max. 4.0mm	Max. 3.5mm	Max. 4.0mm
Environmental Protection	IP67	IP67	IP67
Mechanical Life	500 mating cycles		
OperatingTemperature	- 40℃ - 85℃		

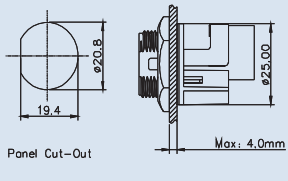
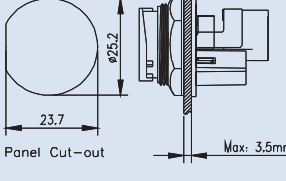
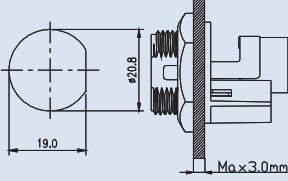
# RJ45 SERIES

## CHOGORI

### RJ45 Series Specifications

#### RJ45 Series, Panel Front Mount

Description	Panel Front Mount, 90° Screw Type, Jack	Panel Front Mount, 90° Lock Bayonet Type, Jack	Panel Front Mount, 90° Screw(Metal) Type, Jack
Figure			

Drawing			
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Part Number	Contacts	Part Number	Contacts	Part Number	Contacts	Part Number
	8	33000000-13	8	33000000-14	8	33000000-15

#### Specifications

Number of Contacts	8		
Wire Gauge	24AWG		
Panel Thickness	Max. 4.0mm	Max. 3.5mm	Max. 4.0mm
Environmental Protection	IP67	IP67	IP67
Mechanical Life	500 mating cycles		
Operating Temperature	- 40℃ - 85℃		



# USB SERIES

## CHOGORI

### USB Series Specifications

#### USB Series, Male Connector

##### Description

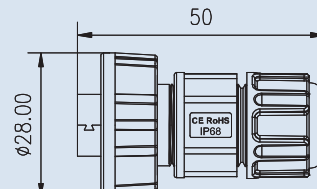
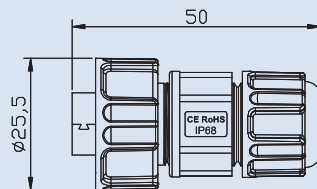
Field Installable, 180°  
Screw Type, Solder

Field Installable, 180°  
Lock Bayonet Type, Solder

##### Figure



##### Drawing



##### Part Number

Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
4	3.5 - 6.8	34000000-01	4	3.5 - 6.8	34000000-02

##### Specifications



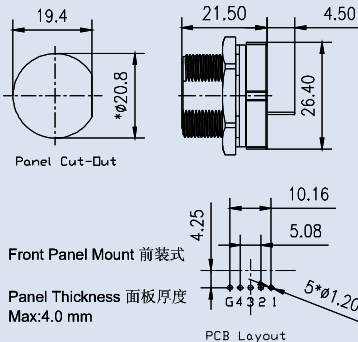
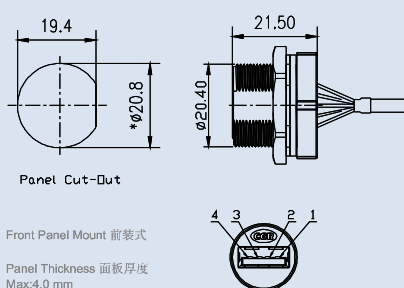
Number of Contacts	4	
Wire Gauge	0.204mm <sup>2</sup> (24AWG)	
Cable Range	3.5mm - 6.8mm	
Environmental Protection	IP68	IP67
Mechanical Life	1500 mating cycles	
Operating Temperature	- 45°C - +85°C	
Breakdown Voltage	≥ AC 500V / 1Minute	
Speed	480 Mbps	
Contact Resistance	≤ 30mΩ Max	
Insulation Resistance	≥ 1000MΩ Min	
Rated Current (40°C)	1.5 A	

USB SERIES

CHOGORI

USB Series Specifications

USB Series, Panel Mount

<div>Description</div>	<div>Panel Front Mount, Screw Type, PCB</div>	<div>Panel Front Mount, Push Lock Type, Solder</div>								
<div>Figure</div>										
<div>Drawing</div>	<div><p>Panel Cut-Out</p><p>Front Panel Mount 前装式</p><p>Panel Thickness 面板厚度 Max:4.0 mm</p><p>PCB Layout</p></div>	<div><p>Panel Cut-Out</p><p>Front Panel Mount 前装式</p><p>Panel Thickness 面板厚度 Max:4.0 mm</p></div>								
<div>Part Number</div>	<table><tr><th>Contacts</th><th>Part Number</th></tr><tr><td>4</td><td>34000000-03</td></tr></table>	Contacts	Part Number	4	34000000-03	<table><tr><th>Contacts</th><th>Part Number</th></tr><tr><td>4</td><td>34000000-09-XXX</td></tr></table>	Contacts	Part Number	4	34000000-09-XXX
Contacts	Part Number									
4	34000000-03									
Contacts	Part Number									
4	34000000-09-XXX									

Specifications		
Number of Contacts	4	
Environmental Protection	IP68	IP68
Mechanical Life	1500 mating cycles	
Operating Temperature	- 45℃ - 85℃	
Breakdown Voltage	≥ AC 500V / 1Minute	
Speed	480 Mbps	
Contact Resistance	≤ 30mΩ Max	
Insulation Resistance	≥ 1000MΩ Min	
Rated Current (40℃)	1.5 A	



# USB SERIES

## CHOGORI

### USB Series Specifications

#### USB Series, Panel Mount

##### Description

##### Figure

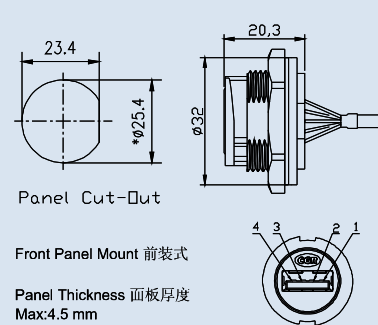
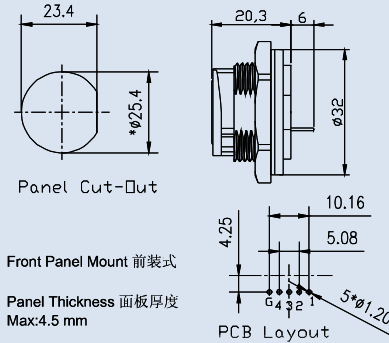
Panel Front Mount,  
Push Lock Type, PCB



Panel Front Mount,  
Push Lock Type, Solder



##### Drawing



##### Part Number

Contacts	Part Number	Contacts	Part Number
4	34000000-04	4	34000000-12-XXX

##### Specifications

Number of Contacts	4	
Environmental Protection	IP67	IP67
Mechanical Life	1500 mating cycles	
Operating Temperature	- 45℃ - 85℃	
Breakdown Voltage	≥ AC 500V / 1Minute	
Speed	480 Mbps	
Contact Resistance	≤30mΩ Max	
Insulation Resistance	≥1000MΩ Min	
Rated Current (40℃)	1.5 A	

COMPANY PROFILE

500 Series

Mini Series

Standard Series

Middle Series

Large Series

Distributor Series

RJ45 Series

USB Series

D-Sub series

T Adapter Series

Splitter Series

M15 Series

CAC3 Series

Stamping Contact Series

IDC Large Series



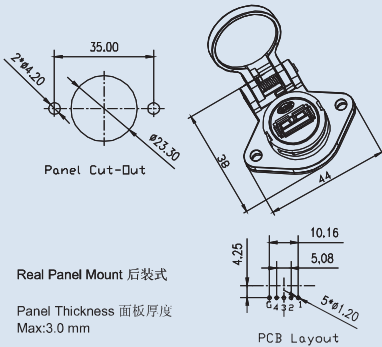
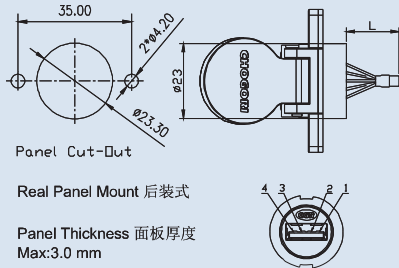
Protective Cap

USB SERIES

CHOGORI

USB Series Specifications

USB Series, Panel Mount

Description	Panel Mount, Lock Type, PCB		Panel Mount, Lock Type, Solder	
				
Figure				
	Panel Cut-Out Real Panel Mount 后装式 Panel Thickness 面板厚度 Max:3.0 mm PCB Layout		Panel Cut-Out Real Panel Mount 后装式 Panel Thickness 面板厚度 Max:3.0 mm	
Drawing				
Part Number	Contacts	Part Number	Contacts	Part Number
	4	34000000-05	4	34000000-08-XXX

Specifications		
Number of Contacts	4	
Environmental Protection	IP67	IP67
Mechanical Life	1500 mating cycles	
Operating Temperature	- 45℃ - 85℃	
Breakdown Voltage	≥ AC 500V / 1Minute	
Speed	480 Mbps	
Contact Resistance	≤30mΩ Max	
Insulation Resistance	≥1000MΩ Min	
Rated Current (40℃)	1.5 A	

# USB SERIES

## CHOGORI

### USB Series Specifications

#### USB Series, Panel Mount

##### Description

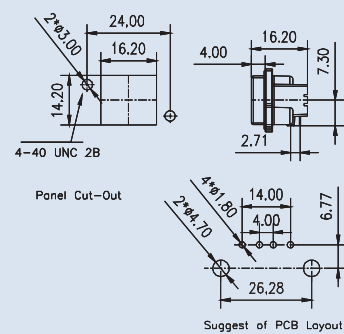
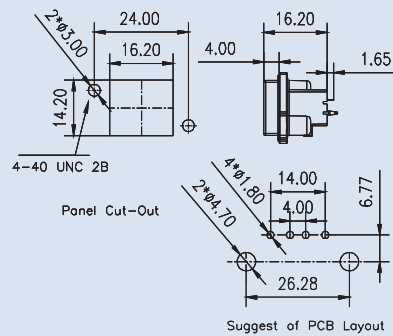
Panel Mount, 180  
kirsite, PCB

Panel Mount, 90  
kirsite, PCB

##### Figure



##### Drawing



##### Part Number

Contacts	Part Number	Contacts	Part Number
4	34000000-06	4	34000000-14

##### Specifications

Number of Contacts	4	
Environmental Protection	IP67	IP67
Mechanical Life	1500 mating cycles	
Operating Temperature	- 45°C - 85°C	
Breakdown Voltage	≥ AC 500V / 1Minute	
Speed	480 Mbps	
Contact Resistance	≤30mΩ Max	
Insulation Resistance	≥1000MΩ Min	
Rated Current (40°C)	1.5 A	

# USB SERIES

## CHOGORI

### USB Series Specifications

#### Mini USB Series(B-Type)

##### Description

##### Figure

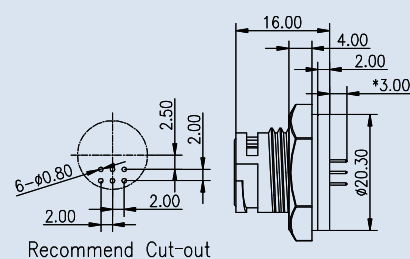
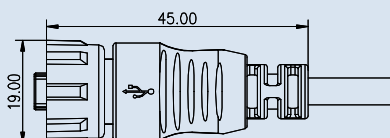
Molded with Cable, 180°  
Lock Bayonet Type, Male Connector(B-Type)



Front Panel Mount  
Female Connector(B-Type)



##### Drawing



##### Part Number

Contacts	Cable Range(mm)	Part Number	Contacts	Panel thickness	Part Number
4	3.5 - 6.8	36005123-01-001	4	Max 4.00mm	36005625-01

##### Specifications




Number of Contacts	4
Wire Gauge	USB2.0
Cable Range	3.5mm - 6.8mm
Environmental Protection	IP67
Mechanical Life	1500 mating cycles
Operating Temperature	- 25°C - +85°C
Breakdown Voltage	≥ AC 500V / 1Minute
Speed	480 Mbps
Contact Resistance	≤ 30mΩ Max
Insulation Resistance	≥ 10MΩ Min
Rated Current (40°C)	0.8A

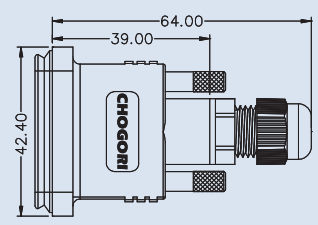
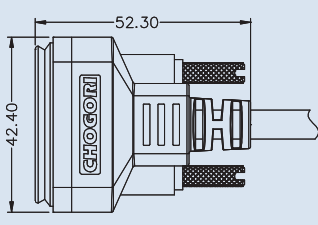
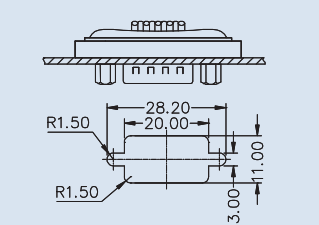
# D-SUB SERIES

## CHOGORI

### D-sub Series Specifications

#### D-sub Series

Description	Field Installable, 180° Male Connector with male Pin	Molded with Cable, 180° Male Connector with male Pin	Front Panel Mount with Female Pin
Figure			

Drawing			
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Part-No.	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Part Number
	9(5A)	4.5-6.5	31009111-01	9(5A)	4.5-8.0	31009113-01-XXX	9(5A)	31009616-01
	15(2A)	4.5-6.5	31015111-01	15(2A)	4.5-8.0	31015113-01-XXX	15(2A)	31015616-01




Specifications			
Number of Contacts	9		15
Wire Gauge	22AWG/0.3mm <sup>2</sup>		24AWG/0.2mm <sup>2</sup>
Cable Range/Panel Thickness	4.5~6.5mm	4.5~8mm	Panel Thickness Max:2.0mm
Degree of Protection	IP67		
Mechanical Operation	>500 mating cycles		
Lower-Upper Temperature	- 25℃~+85℃		
Rate Voltage	90V		90V
Rated Current (40℃)	5A		2A

# D-SUB SERIES

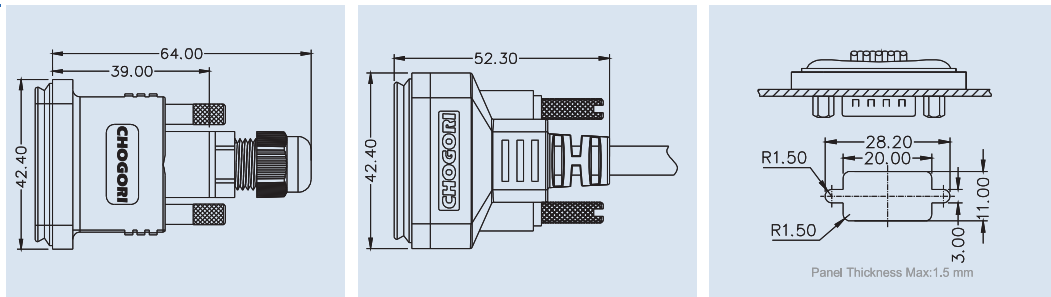
## CHOGORI

### D-sub Series Specifications

#### D-sub Series

Description	Field Installable, 180° Male Connector with Female Pin	Molded with Cable, 180° Male Connector with Female Pin	Front Panel Mount with male Pin
Figure			

#### Drawing



Part-No.	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Part Number
	9(5A)	4.5-6.5	31009211-01	9(5A)	4.5-8.0	31009213-01-XXX	9(5A)	31009516-01
	15(2A)	4.5-6.5	31015211-01	15(2A)	4.5-8.0	31015213-01-XXX	15(2A)	31015516-01

#### Specifications

Number of Contacts	9		15	
Wire Gauge	22AWG/0.3mm²		24AWG/0.2mm²	
Cable Range/Panel Thickness	4.5~6.5mm		4.5~8mm	Panel Thickness Max:2.0mm
Degree of Protection	IP67			
Mechanical Operation	>500 mating cycles			
Lower-Upper Temperature	- 25℃~+85℃			
Rate Voltage	90V		90V	
Rated Current (40℃)	5A		2A	



# D-SUB SERIES

## CHOGORI

### D-sub Series Specifications

#### D-sub Series

##### Description

##### Figure

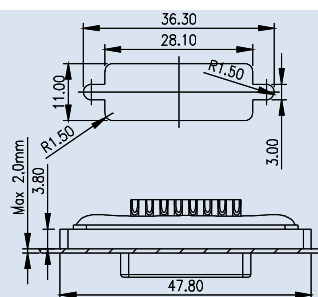
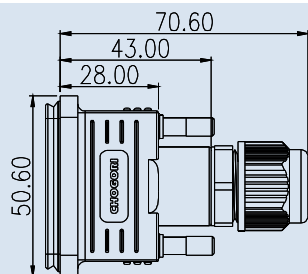
Field Installable, 180°  
Male Connector with Male Pin



Front Panel Mount  
with Female Pin



##### Drawing



##### Part-No.

Contacts	Cable Range(mm)	Part Number
15(5A)	4.5-6.5	31015111-11
	6.5-10	31015111-12
26(2A)	4.5-6.5	31026111-01
	6.5-10	31026111-02

Contacts	Part Number	Panel thickness
15(5A)	31015616-11	Max 2.0mm
26(2A)	31026616-01	Max 2.0mm

#### Specifications

Number of Contacts	15	26
Wire Gauge	22AWG/0.3mm <sup>2</sup>	24AWG/0.2mm <sup>2</sup>
Degree of Protection	IP67 (Mated)	
Mating Torque	2.5~3.0 kgf·cm	
Mechanical Operation	>500 mating cycles	
Lower-Upper Temperature	- 25℃~+85℃	
Rate Voltage	90V	90V
Rated Current (40℃)	5A	2A

# D-SUB SERIES

## CHOGORI

### D-sub Series Specifications

#### D-sub Series

##### Description

##### Figure

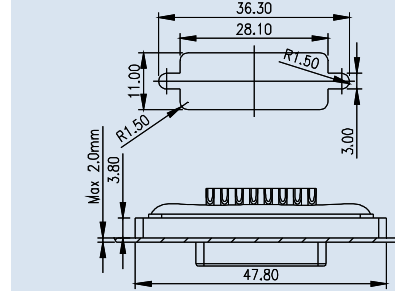
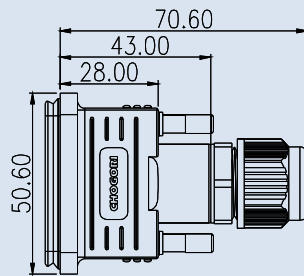
Field Installable, 180°  
Male Connector with Female Pin



Front Panel Mount  
with Male Pin



##### Drawing



##### Part-No.

Contacts	Cable Range(mm)	Part Number
15(5A)	4.5-6.5	31015211-11
	6.5-10	31015211-12
26(2A)	4.5-6.5	31026211-01
	6.5-10	31026211-02

Contacts	Part Number	Panel thickness
15(5A)	31015516-11	Max 2.0mm
26(2A)	31026516-01	Max 2.0mm

#### Specifications

Number of Contacts	15	26
Wire Gauge	22AWG/0.3mm <sup>2</sup>	24AWG/0.2mm <sup>2</sup>
Degree of Protection	IP67 (Mated)	
Mating Torque	2.5~3.0 kgf·cm	
Machanical Operation	>500 mating cycles	
Lower-Upper Temperature	- 25℃~+85℃	
Rate Voltage	90V	90V
Rated Current (40℃)	5A	2A

# D-SUB SERIES

## CHOGORI

### D-sub Series Specifications

#### D-sub Series

##### Description

##### Figure

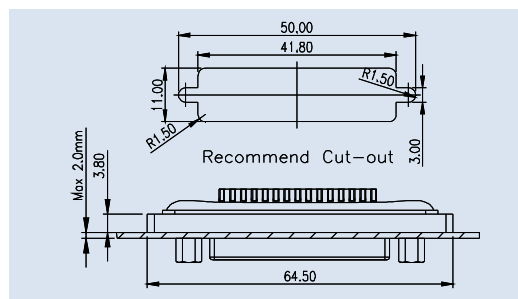
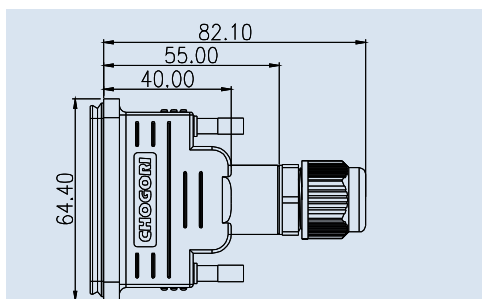
Field Installable, 180°  
Male Connector with Male Pin



Front Panel Mount  
with Female Pin



##### Drawing



##### Part-No.

Contacts	Cable Range(mm)	Part Number
25(5A)	4.5-6.5	31025111-01
	6.5-10	31025111-02
44(2A)	4.5-6.5	31044111-01
	6.5-10	31044111-02

Contacts	Part Number	Panel thickness
25(5A)	31025616-01	Max 2.0mm
44(2A)	31044616-02	Max 2.0mm

#### Specifications

Number of Contacts	25	44
Wire Gauge	22AWG/0.3mm <sup>2</sup>	24AWG/0.2mm <sup>2</sup>
Degree of Protection	IP67 (Mated)	
Mating Torque	2.5~3.0 kgf·cm	
Machanical Operation	>500 mating cycles	
Lower-Upper Temperature	- 25℃ ~ +85℃	
Rate Voltage	90V	90V
Rated Current (40℃)	5A	2A

# D-SUB SERIES

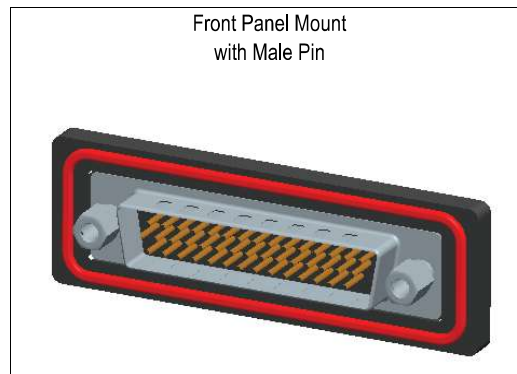
## CHOGORI

### D-sub Series Specifications

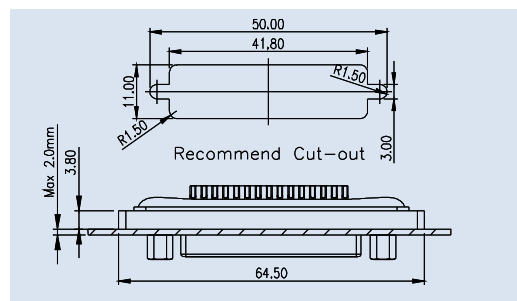
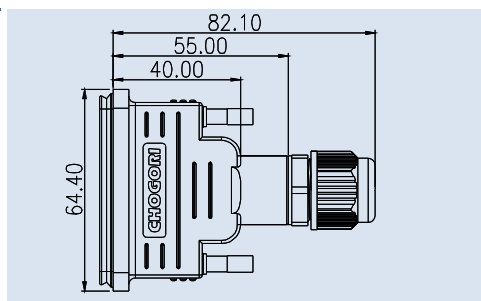
#### D-sub Series

##### Description

##### Figure



##### Drawing



Part-No.	Contacts	Cable Range(mm)	Part Number
	25(5A)	4.5-6.5	31025211-01
		6.5-10	31025211-02
	44(2A)	4.5-6.5	31044211-01
		6.5-10	31044211-02

Contacts	Part Number	Panel thickness
25(5A)	31025516-01	Max 2.0mm
44(2A)	31044516-02	Max 2.0mm


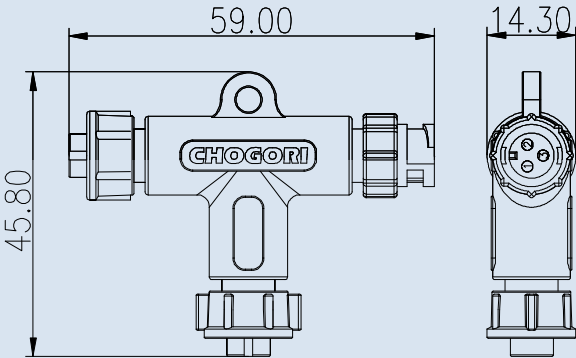
#### Specifications

Number of Contacts	25	44
Wire Gauge	22AWG/0.3mm <sup>2</sup>	24AWG/0.2mm <sup>2</sup>
Degree of Protection	IP67 (Mated)	
Mating Torque	2.5~3.0 kgf·cm	
Machanical Operation	>500 mating cycles	
Lower-Upper Temperature	- 25℃~+85℃	
Rate Voltage	90V	90V
Rated Current (40℃)	5A	2A

T ADAPTER SERIES

CHOGORI

T Adaptor Series Specifications

Mini Series		
Description	Lock Type/Screw Type T Adaptor	
Figure		
Drawing		
Part-No.	Part Number	
	42000000-01	
Specifications		
Wire Gauge	0.5mm <sup>2</sup> (20AWG)	
Environmental Protection	IP67	
Mechanical Life	500 mating cycles	
Operating Temperature	- 45℃ - 105℃	

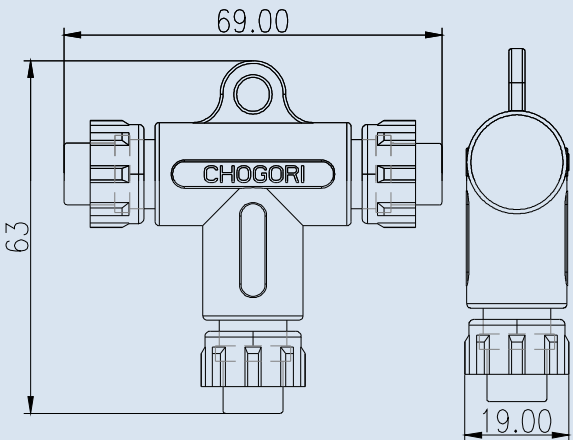
T ADAPTER SERIES

CHOGORI

T Adaptor Series Specifications

Standard Series

Description	Lock Type/Screw Type T Adaptor
Figure	

Drawing	
---------	--

Part-No.	Part Number
	42000000-02
Specifications	
Wire Gauge	0.75mm <sup>2</sup> (18AWG)
Environmental Protection	IP67
Mechanical Life	500 mating cycles
Operating Temperature	- 45℃ - 105℃



# T ADAPTER SERIES

## CHOGORI

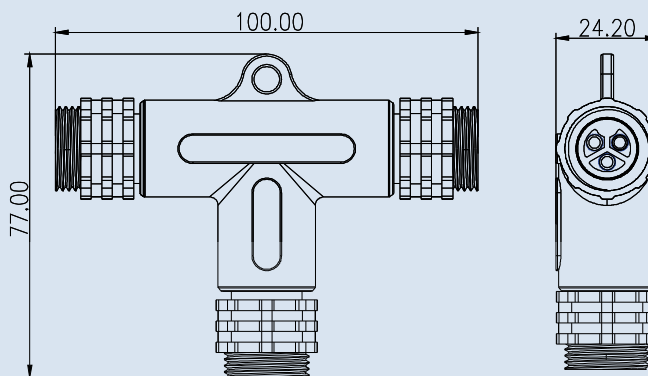
### Middle Series

Description Lock Type/Screw Type T Adaptor

Figure



Drawing



Part-No.

Part Number

42000000-03

### Specifications

Wire Gauge	1.5mm <sup>2</sup> (16AWG)
Environmental Protection	IP67
Mechanical Life	500 mating cycles
Operating Temperature	- 45℃ - 105℃

SPLITTER SERIES

CHOGORI

Series Specifications

Splitter Series

Description	Molded with Cable
Figure	

Drawing		
---------	--	--

Part-No.	Part Number	Part Number	Part Number
	43000000-01	43000000-02	43000000-03

Specifications			
Wire Gauge	1.0mm <sup>2</sup> (18AWG)	1.0mm <sup>2</sup> (18AWG)	1.0mm <sup>2</sup> (16AWG)
Cable A Range	4.5mm - 9.0mm	6.0mm - 13.0mm	4.5mm - 8.0mm
Cable B Range	4.5mm - 8.0mm	4.5mm - 7.5mm	4.5mm - 8.0mm
Environmental Protection	IP65		
Operating Temperature	- 45℃ - 105℃		

# M15 Series

## 1. M15 Distributor Series, Screw Lock.....P124–P126



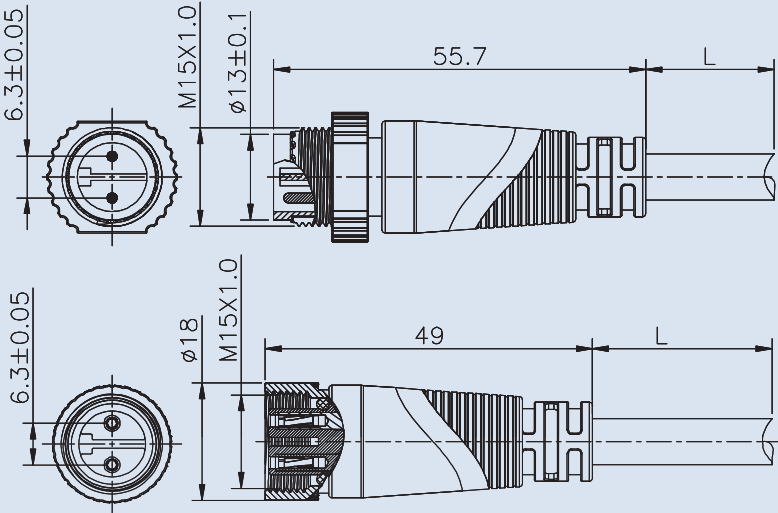
# M15 Series

## CHOGORI

### Distributor Systems Specifications

#### M15 Distributor Series

Description	Screw Lock, M15
Figure	

Drawing	
---------	---

Part Number	Contacts	Connector Type	Part Number
	2	Male Connector	48002113-01-XXX
		Female Connector	48002413-01-XXX

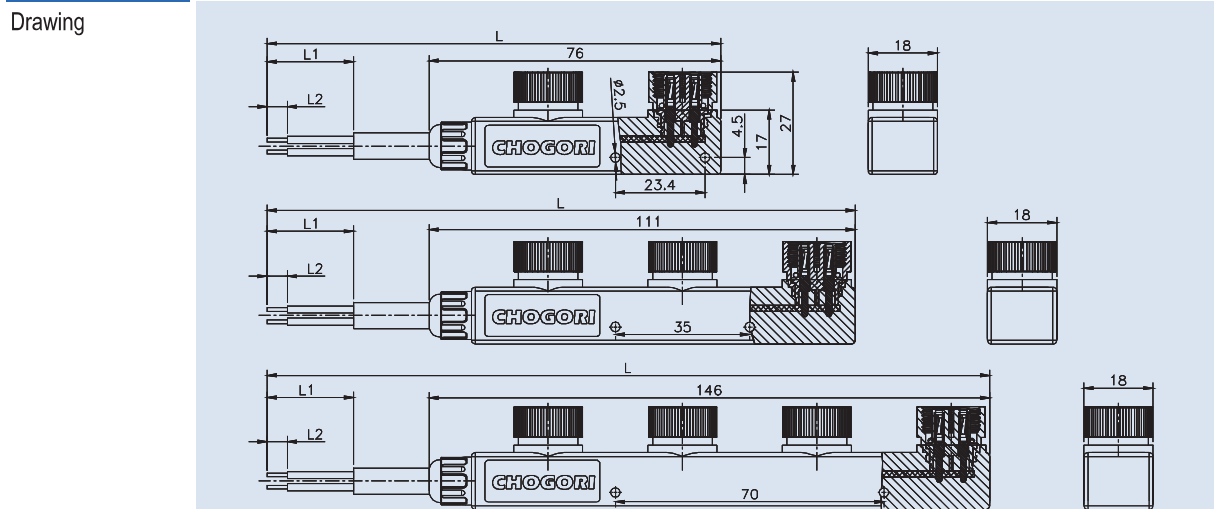
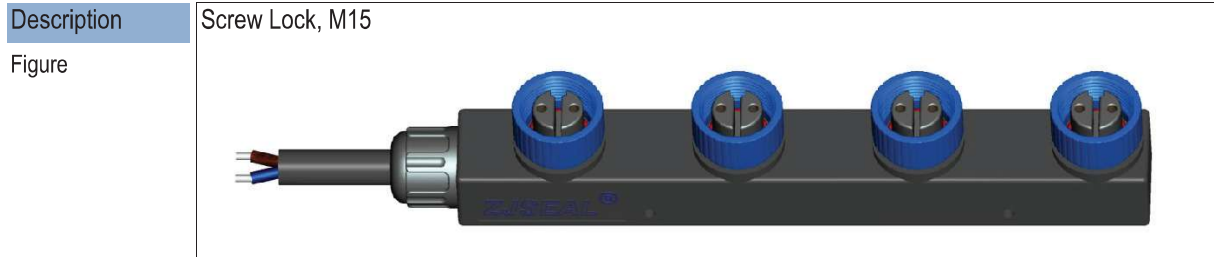
Specifications	
Number of Contacts	2
Wire Gauge	1.0mm <sup>2</sup> /17AWG
Cable Range	3.5-8.5 mm
Degree of Protection	IP68
Mechanical Operation	>500 mating cycles
Lower-Upper Temperature	- 45℃~+105℃
Rate Voltage	500V
Rated Current (40℃)	10A
Contact	Brass, Gold Plating
Material of Housing	PA

# M15 Series

## CHOGORI

### Distributor Systems Specifications

#### M15 Distributor Series



Part Number	Contacts	Ways	Connection Type	Part Number	Contacts	Ways	Connection Type	Part Number
	2	2	Series	48012010-01-XXX	2	2	Parallel	48012010-11-XXX
	3	3		48012010-02-XXX	3	3		48012010-12-XXX
	4	4		48012010-03-XXX	4	4		48012010-13-XXX

Specifications	
Number of Contacts	2
Wire Gauge	1.0mm <sup>2</sup> /17AWG
Cable Range	3.5-8.5 mm
Degree of Protection	IP68
Mechanical Operation	>500 mating cycles
Lower-Upper Temperature	- 45℃~+105℃
Rate Voltage	500V
Rated Current (40℃)	10A
Contact	Brass, Gold Plating
Material of Housing	PA

# M15 Series

## CHOGORI

### Distributor Systems Specifications

#### M15 Distributor Series

Description	Screw Lock, M15
Figure	

Drawing	
---------	--

Part Number	Contacts	Ways	Connection Type	Part Number	Contacts	Ways	Connection Type	Part Number
	2	2	Series	48012011-01	2	2	Parallel	48012011-11
		3		48012011-02		3		48012011-12

Specifications	
Number of Contacts	2
Wire Gauge	1.0mm <sup>2</sup> /17AWG
Cable Range	3.5-8.5 mm
Degree of Protection	IP68
Machanical Operation	>500 mating cycles
Lower-Upper Temperature	- 45°C ~ +105°C
Rate Voltage	500V
Rated Current (40°C)	10A
Contact	Brass, Gold Plating
Material of Housing	PA



# CAC3 Series

## 1. CAC3 Series, Rotary latch-Type.....P128–P130



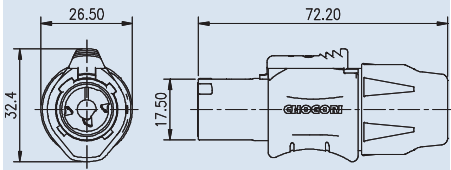
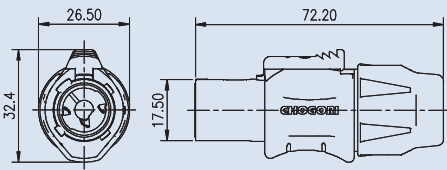


# CAC3 Series

CHOGORI

## CAC3 Series Specifications

### CAC3 Series(Rotary latch-Type)

Description	3 PIN Power CON Ass'y Type plug Power-in (blue)			3 PIN Power CON Ass'y Type plug Power-out (grey)		
Figure						
Drawing						
Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	3	7.0 - 14.0	16003131-01	3	7.0 - 14.0	16003131-02

### Specifications

Number of Contacts	3
Wire Gauge	14-12AWG
Cable Range	7mm - 14mm
Environmental Protection	IP67
Mechanical Life	≥ 1000 mating cycles
Operating Temperature	- 40℃ - +80℃
Withstand Voltage	≥ AC 2500V / 1Minute
Rated voltage	250 V AC
Contact Resistance	≤ 3mΩ
Insulation Resistance	≥ 100MΩ
Rated Current (40℃)	20 A

# CAC3 Series

## CHOGORI

### CAC3 Series Specifications

#### CAC3 Series(Rotary latch-Type)

##### Description

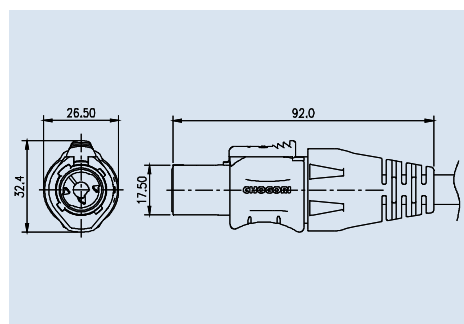
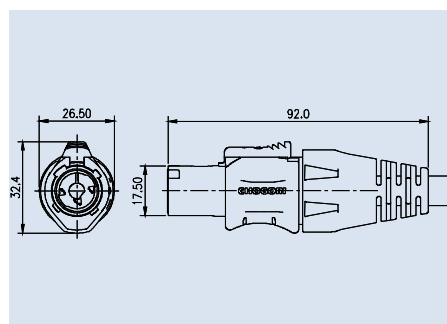
3 PIN Power CON Insert Molding Type plug  
Power-in (blue)

3 PIN Power CON Insert Molding Type plug  
Power-out (grey)

##### Figure



##### Drawing



##### Part Number

Contacts	Cable Range(mm)	Part Number	Contacts	Panel thickness	Part Number
4	7.0 - 14.0	16003133-01	4	7.0 - 14.0	16003133-02

##### Specifications

Number of Contacts	3
Wire Gauge	14-12AWG
Cable Range	7mm - 14mm
Environmental Protection	IP67
Mechanical Life	≥ 1000 mating cycles
Operating Temperature	- 40℃ - +80℃
Withstand Voltage	≥ AC 2500V / 1Minute
Rated voltage	250 V AC
Contact Resistance	≤ 3mΩ
Insulation Resistance	≥ 100MΩ
Rated Current (40℃)	20 A

# CAC3 Series

**CHOGORI**

## CAC3 Series Specifications

### CAC3 Series(Rotary latch-Type)

Description

Figure

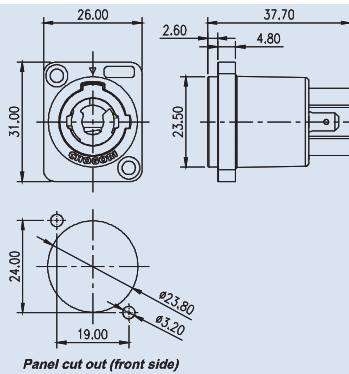
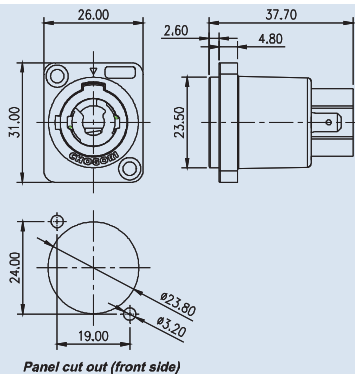
3 PIN Power CON Jack  
Power-in (blue)



3 PIN Power CON Jack  
Power-out (grey)



Drawing



Part Number

Contacts	Panel thickness	Part Number	Contacts	Panel thickness	Part Number
4	≥2mm	16003631-01	4	≥2mm	16003631-02

Specifications



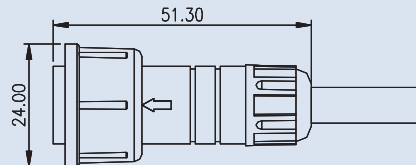
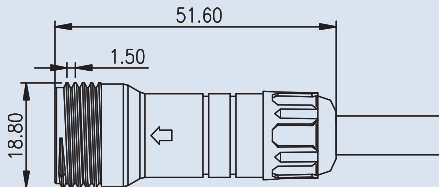
Number of Contacts	3
Wire Gauge	14-12AWG
Panel thickness	≥2mm
Environmental Protection	IP67
Mechanical Life	≥ 1000 mating cycles
Operating Temperature	- 40℃ - +80℃
Withstand Voltage	≥ AC 2500V / 1Minute
Rated voltage	250 V AC
Contact Resistance	≤3mΩ
Insulation Resistance	≥100MΩ
Rated Current (40℃)	20 A

# Stamping Contact Series

## CHOGORI

### Stamping Contact Series Specifications

#### Stamping Contact Series (M18.8系列)



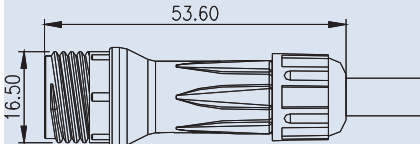
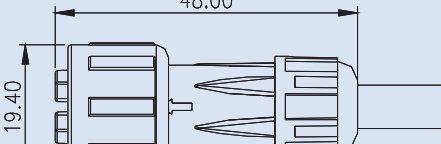
Description	Molded with Cable, 180° ScrewType,Male Connector	Molded with Cable, 180° ScrewType,Female Connector				
Figure						
Drawing						
Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	5.0 - 7.8	12002113-04-001	2	5.0-7.8	12002413-04-001
	3	5.0 - 7.8	12003113-04-001	3	5.0-7.8	12003413-04-001
Specifications						
Number of Contacts	2		3			
Wire Gauge	1.0mm²					
Cable Range	5.0mm - 7.8mm					
Environmental Protection	IP67					
Molding Material	Nylon					
Mechanical Life	100 mating cycles					
OperatingTemperature	- 45℃ - +105℃					
Breakdown Voltage	≥ AC 1000V / 1Minute					
Contact Resistance	≤30mΩ Max					
Insulation Resistance	≥10MΩ Min					
Rated Current	≤9A					

# Stamping Contact Series

## CHOGORI

### Stamping Contact Series Specifications

#### Stamping Contact Series (M16.5系列)

Description	Molded with Cable, 180° ScrewType, Male Connector		Molded with Cable, 180° ScrewType, Female Connector			
Figure						
Drawing						
Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	5.0 - 7.8	12002313-01-001	2	5.0-7.8	12002213-01-001
	3	5.0 - 7.8	12003313-01-001	3	5.0-7.8	12003213-01-001
Specifications						
Number of Contacts	2		3			
Wire Gauge	1.0mm²					
Cable Range	5.0mm - 7.8mm					
Environmental Protection	IP67					
Molding Material	Nylon					
Mechanical Life	100 mating cycles					
OperatingTemperature	- 45℃ - +105℃					
Breakdown Voltage	≥ AC 1000V / 1Minute					
Contact Resistance	≤30mΩ Max					
Insulation Resistance	≥10MΩ Min					
Rated Current	≤9A					



# Stamping Contact Series

## CHOGORI

### Stamping Contact Series Specifications

#### Stamping Contact Series (M20.3 尼龙系列)

##### Description

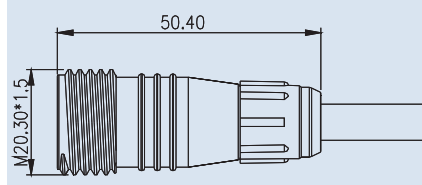
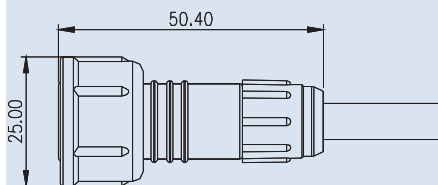
Molded with Cable, 180°  
ScrewType, Male Connector

Molded with Cable, 180°  
ScrewType, Female Connector

##### Figure



##### Drawing



##### Part Number

Contacts	Cable Range(mm)	Part Number
2	5.0 - 7.8	12002113-05-001
3	5.0 - 7.8	12003113-05-001

Contacts	Cable Range(mm)	Part Number
2	5.0-7.8	12002413-05-001
3	5.0-7.8	12003413-05-001

##### Specifications



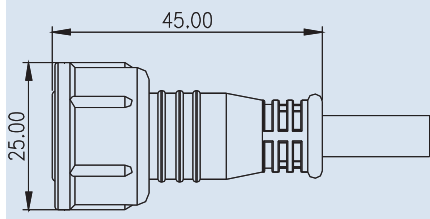
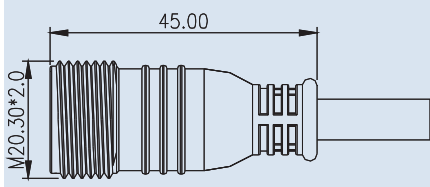
Number of Contacts	2	3
Wire Gauge	1.0mm <sup>2</sup>	
Cable Range	5.0mm - 7.8mm	
Environmental Protection	IP67	
Molding Material	Nylon	
Mechanical Life	100 mating cycles	
Operating Temperature	- 45℃ - +105℃	
Breakdown Voltage	≥ AC 1000V / 1Minute	
Contact Resistance	≤30mΩ Max	
Insulation Resistance	≥ 10MΩ Min	
Rated Current	≤9A	

# Stamping Contact Series

## CHOGORI

### Stamping Contact Series Specifications

#### Stamping Contact Series (M20.3 PVC系列)

Description	Molded with Cable, 180° ScrewType,Male Connector	Molded with Cable, 180° ScrewType,Female Connector																		
Figure																				
Drawing																				
Part Number	<table><tr><th>Contacts</th><th>Cable Range(mm)</th><th>Part Number</th></tr><tr><td>2</td><td>5.0 - 7.8</td><td>12002113-09-001</td></tr><tr><td>3</td><td>5.0 - 7.8</td><td>12003113-09-001</td></tr></table>	Contacts	Cable Range(mm)	Part Number	2	5.0 - 7.8	12002113-09-001	3	5.0 - 7.8	12003113-09-001	<table><tr><th>Contacts</th><th>Cable Range(mm)</th><th>Part Number</th></tr><tr><td>2</td><td>5.0-7.8</td><td>12002413-09-001</td></tr><tr><td>3</td><td>5.0-7.8</td><td>12003413-09-001</td></tr></table>	Contacts	Cable Range(mm)	Part Number	2	5.0-7.8	12002413-09-001	3	5.0-7.8	12003413-09-001
	Contacts	Cable Range(mm)	Part Number																	
	2	5.0 - 7.8	12002113-09-001																	
3	5.0 - 7.8	12003113-09-001																		
Contacts	Cable Range(mm)	Part Number																		
2	5.0-7.8	12002413-09-001																		
3	5.0-7.8	12003413-09-001																		
Specifications																				
Number of Contacts	2	3																		
Wire Gauge	1.0mm²																			
Cable Range	5.0mm - 7.8mm																			
Environmental Protection	IP67																			
Molding Material	PVC																			
Mechanical Life	100 mating cycles																			
OperatingTemperature	- 25℃ - +85℃																			
Breakdown Voltage	≥ AC 1000V / 1Minute																			
Contact Resistance	≤30mΩ Max																			
Insulation Resistance	≥10MΩ Min																			
Rated Current	≤9A																			

# IDC - Large Series

## CHOGORI

### IDC - Large Series Specifications

#### IDC - Large Series(Rotary latch-Type)

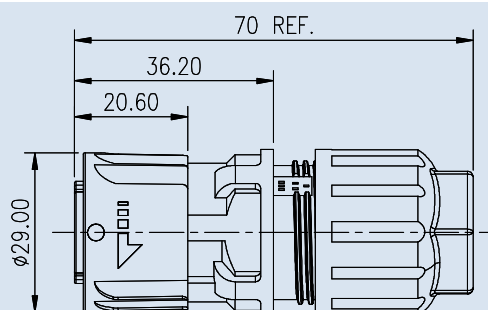
##### Description

Field Installable, 180° Push Lock Type, IDC

##### Figure



##### Drawing



##### Part-No.

Contacts	Cable Range(mm)	Part Number
2	9mm - 14mm	24002231-61
3	9mm - 14mm	24003231-61
4	9mm - 14mm	24004231-61

##### Specifications



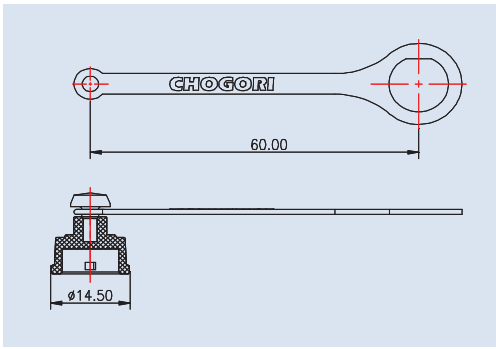
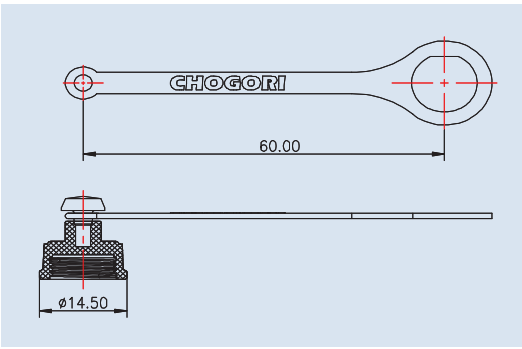
Number of Contacts	2	3	4
Wire Gauge	14-16AWG		
Cable Range	9mm - 14mm		
Environmental Protection	IP67		
Mechanical Life	≥ 500 mating cycles		
Operating Temperature	- 40℃ - +80℃		
Voltage Rating	300 V		
Rated Current (40℃)	20 A		

# Waterproof cap for Middle Series

**CHOGORI**

waterproof cap

## Waterproof cap for Mini Series

Description	Panel mount Lock Type	Panel mount Screw Type
		
Figure		
Drawing		
Part-No.	Part Number	Part Number
	806-00055-00	806-00028-00



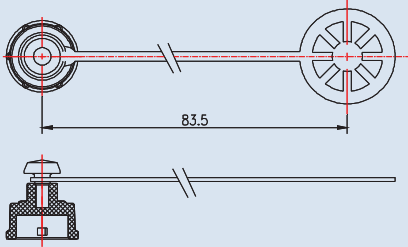
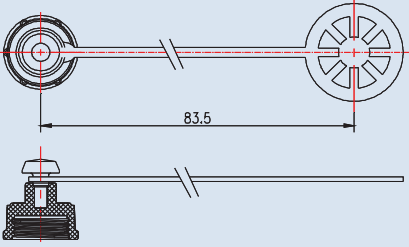
Specifications		
Cable Outlet(mm)		
Degree of Protection	IP67	IP67
Lower-Upper Temperature	- 25℃ ~+85℃	- 45℃ ~+85℃
Mating Part No	21xxx525-01	21xxx515-01
	21xxx525-02	21xxx515-02
	21xxx525-03	21xxx515-03
	21xxx525-06	

# Waterproof cap for Middle Series

## CHOGORI

waterproof cap

### Waterproof cap for Mini Series

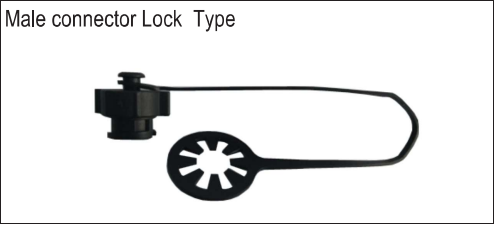
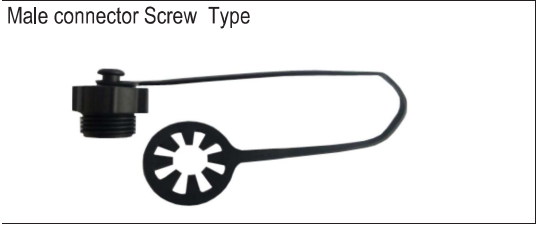
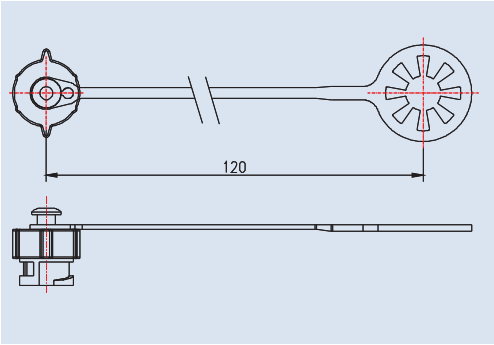
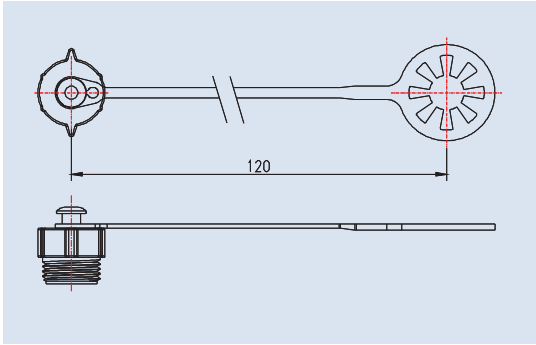
Description	Female connector Lock Type	Female connector Screw Type
		
Drawing		
Part-No.	Part Number 806-00063-00	Part Number 806-00075-00

Specifications		
Cable Outlet(mm)		
Degree of Protection	IP67	IP67
Lower-Upper Temperature	- 25℃~+85℃	- 45℃~+85℃
Mating Part No	21xxx321-01	21xxx311-01
	21xxx323-01	21xxx313-01
	21xxx421-01	21xxx411-01
	21xxx423-01	21xxx413-01

# Waterproof cap for Middle Series

## CHOGORI

### Waterproof cap for Mini Series

Description	Male connector Lock Type	Male connector Screw Type
		
Drawing		
Part-No.	Part Number	Part Number
	806-00051-00	806-00057-00

Specifications		
Cable Outlet(mm)		
Degree of Protection	IP67	IP67
Lower-Upper Temperature	- 25℃ ~+85℃	- 45℃ ~+85℃
Mating Part No	21xxx121-01	21xxx111-01
	21xxx123-01	21xxx113-01
	21xxx124-01	21xxx114-01




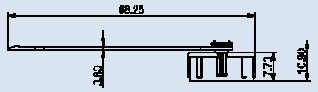




# Waterproof cap for Standard Series

**CHOGORI**




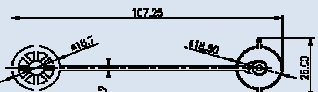
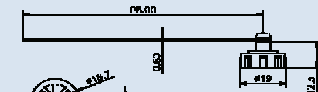
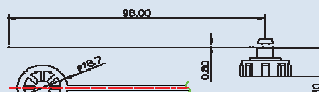
waterproof cap

## Waterproof cap for Standard Series

Description	Standard Plug with Push Lock type	Standard Plug with Lock type	Standard Plug with Screw type
Figure			
Drawing			
Part-No.	Part-Number 806-00053-00	Part-Number 806-00031-00	Part-Number 806-00030-00

## Specifications

Degree of Protection	IP67		IP67		IP67	
Lower-Upper Temperature	- 45°C ~ +85°C		- 45°C ~ +85°C		- 45°C ~ +85°C	
Mating Part No	22XXX535-XX	22XXX635-XX	22XXX525-XX	22XXX625-XX	22XXX515-XX	22XXX615-XX

Description	Female Connector with Push Lock type	Female Connector with Lock type	Female Connector with Screw type
Figure			
Drawing			
Part-No.	Part-Number 806-00062-00	Part-Number 806-00061-00	Part-Number 806-00060-01

## Specifications

Degree of Protection	IP67		IP67		IP67	
Lower-Upper Temperature	- 45°C ~ +85°C		- 45°C ~ +85°C		- 45°C ~ +85°C	
Mating Part No	22XXX331-XX	22XXX431-XX	22XXX321-XX	22XXX421-XX	22XXX311-XX	22XXX411-XX
	22XXX333-XX-XXX	22XXX433-XX-XXX	22XXX323-XX-XXX	22XXX423-XX-XXX	22XXX313-XX-XXX	22XXX413-XX-XXX
	22XXX334-XX-XXX	22XXX434-XX-XXX	22XXX324-XX-XXX	22XXX424-XX-XXX	22XXX314-XX-XXX	22XXX414-XX-XXX

# Waterproof cap for Standard Series

CHOGORI

waterproof cap

## Waterproof cap for Standard Series

Description

Figure

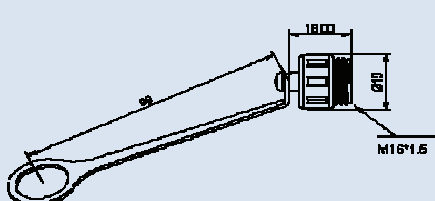
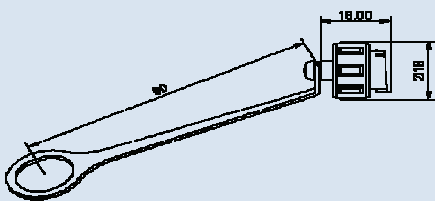
Male Connector with Lock type



Male Connector with Screw type



Drawing



Part-No.

Part-Number

806-00033-00

Part-Number

806-00032-00

## Specifications




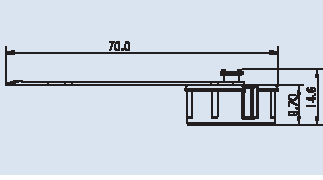
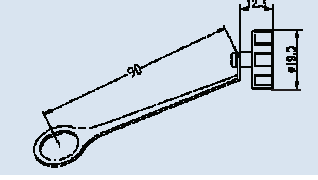
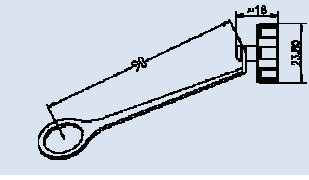
Degree of Protection	IP67		IP67	
Lower-Upper Temperature	- 45℃~+85℃		- 45℃~+85℃	
Mating Part No	22XXX131-XX	22XXX231-XX	22XXX321-XX	22XXX421-XX
	22XXX133-XX-XXX	22XXX233-XX-XXX	22XXX323-XX-XXX	22XXX423-XX-XXX
	22XXX134-XX-XXX	22XXX234-XX-XXX	22XXX324-XX-XXX	22XXX424-XX-XXX

# Waterproof cap for Middle Series

**CHOGORI**




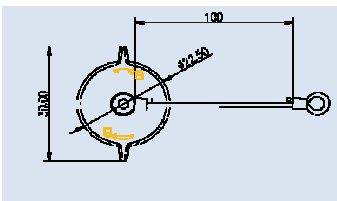
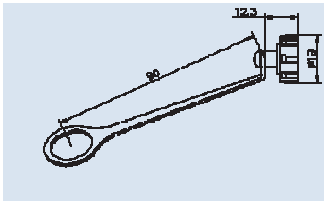
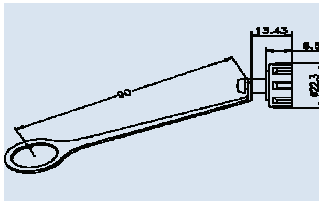
waterproof cap

## Waterproof cap for Middle Series

Description	Middle Plug with Push Lock type	Middle Plug with Lock type	Middle Plug with Screw type						
Figure									
Drawing									
Part-No.	<table><tr><th>Part-Number</th></tr><tr><td>806-00047-00</td></tr></table>	Part-Number	806-00047-00	<table><tr><th>Part-Number</th></tr><tr><td>806-00020-00</td></tr></table>	Part-Number	806-00020-00	<table><tr><th>Part-Number</th></tr><tr><td>806-00021-00</td></tr></table>	Part-Number	806-00021-00
Part-Number									
806-00047-00									
Part-Number									
806-00020-00									
Part-Number									
806-00021-00									

## Specifications

Degree of Protection	IP67		IP67		IP67	
Lower-Upper Temperature	- 45℃~+85℃		- 45℃~+85℃		- 45℃~+85℃	
Mating Part No	23XXX535-XX	23XXX635-XX	23XXX525-XX 23XXX321-XX 23XXX323-XX-XXX 23XXX324-XX-XXX	23XXX625-XX 23XXX421-XX 23XXX423-XX-XXX 23XXX424-XX-XXX	23XXX515-XX 23XXX311-XX 23XXX313-XX-XXX 23XXX314-XX-XXX	23XXX615-XX 23XXX411-XX 23XXX413-XX-XXX 23XXX414-XX-XXX

Description	Female Connector with Push Lock type	Female Connector with Lock type	Female Connector with Screw type						
Figure									
Drawing									
Part-No.	<table><tr><th>Part-Number</th></tr><tr><td>806-00071-00</td></tr></table>	Part-Number	806-00071-00	<table><tr><th>Part-Number</th></tr><tr><td>806-00020-00</td></tr></table>	Part-Number	806-00020-00	<table><tr><th>Part-Number</th></tr><tr><td>806-00021-00</td></tr></table>	Part-Number	806-00021-00
Part-Number									
806-00071-00									
Part-Number									
806-00020-00									
Part-Number									
806-00021-00									

## Specifications

Degree of Protection	IP67		IP67		IP67	
Lower-Upper Temperature	- 45℃~+85℃		- 45℃~+85℃		- 45℃~+85℃	
Mating Part No	23XXX331-XX 23XXX333-XX-XXX 23XXX334-XX-XXX	23XXX431-XX 23XXX433-XX-XXX 23XXX434-XX-XXX	23XXX321-XX 23XXX323-XX-XXX 23XXX324-XX-XXX	23XXX421-XX 23XXX423-XX-XXX 23XXX424-XX-XXX	23XXX311-XX 23XXX313-XX-XXX 23XXX314-XX-XXX	23XXX411-XX 23XXX413-XX-XXX 23XXX414-XX-XXX

# Waterproof cap for Middle Series

## CHOGORI

waterproof cap

### Waterproof cap for Middle Series

#### Description

#### Figure

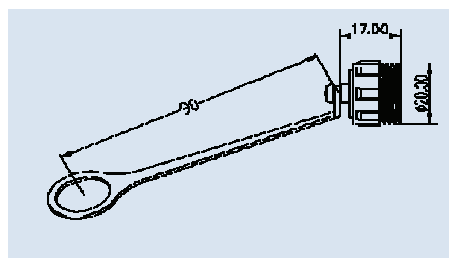
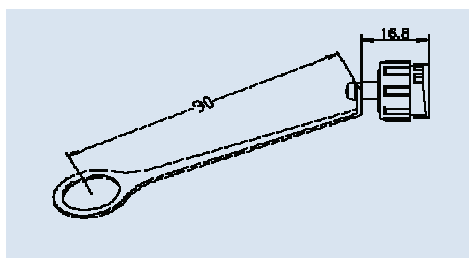
#### Male Connector with Lock type



#### Male Connector with Screw type



#### Drawing



#### Part-No.

#### Part-Number

806-00024-00

#### Part-Number

806-00022-00

#### Specifications

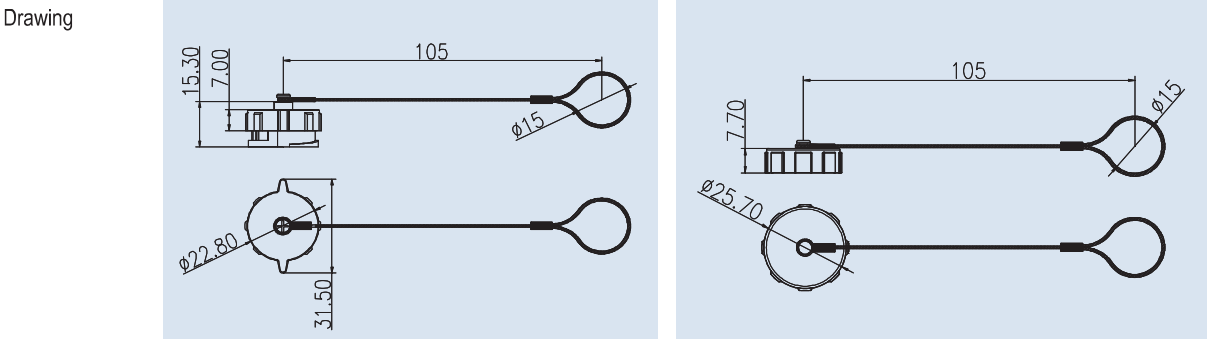
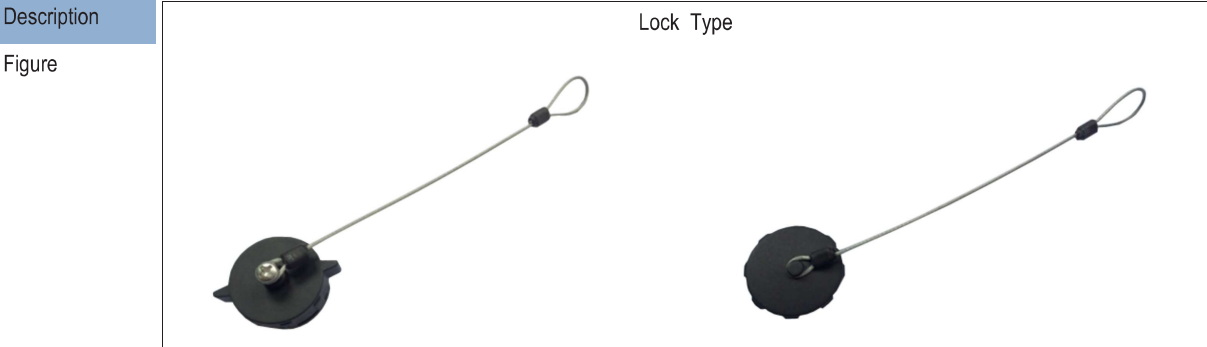
Degree of Protection	IP67		IP67	
Lower-Upper Temperature	- 45°C ~ +85°C		- 45°C ~ +85°C	
Mating Part No	23XXX131-XX	23XXX231-XX	23XXX321-XX	23XXX421-XX
	23XXX133-XX-XXX	23XXX233-XX-XXX	23XXX323-XX-XXX	23XXX423-XX-XXX
	23XXX134-XX-XXX	23XXX234-XX-XXX	23XXX324-XX-XXX	23XXX424-XX-XXX

Waterproof cap for Large Series

CHOGORI

waterproof cap

Waterproof cap for Large Series



Part-No.	Part Number	Part Number
	806-00018-00	806-00019-00

Specifications			
Cable Outlet(mm)	Max 14mm		
Degree of Protection	IP67		
Lower-Upper Temperature	- 45℃~+85℃		
Mating Part No	24XXX12X-XX	24XXX22X-XX	24XXX32X-XX 24XXX42X-XX

# Waterproof cap for Large Series

## CHOGORI

waterproof cap

### Waterproof cap for Large Series

Description

Figure

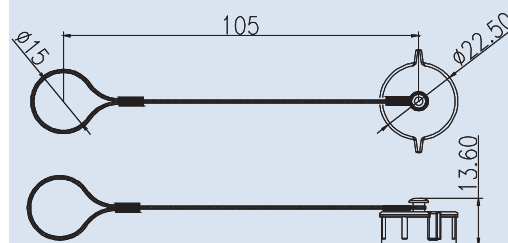
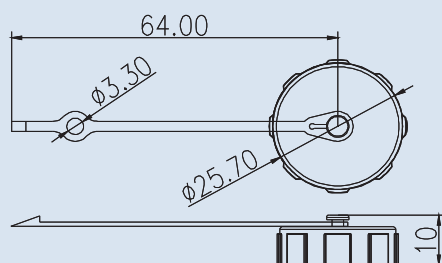
Lock Type



Push lock



Drawing



Part-No.

Part Number

806-00017-00

Part Number

806-00059-00

### Specifications



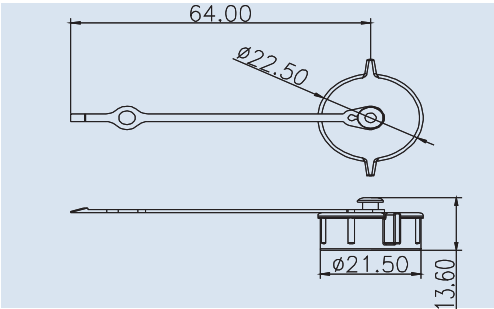
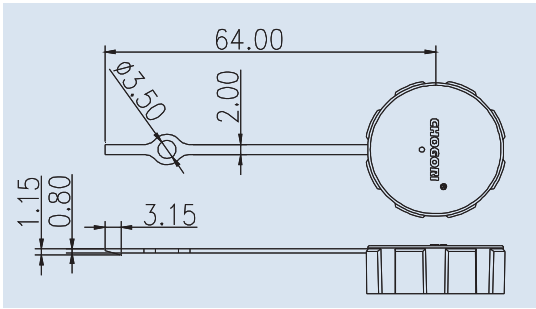
Degree of Protection	IP67	IP67
Lower-Upper Temperature	- 25℃~+85℃	- 45℃~+85℃
Mating Part No	24XXX52X-XX 24XXX62X-XX 34000000-05 /34000000-08-XXX 34000000-04 /34000000-12-XXX 33000000-04/33000000-05	24XXX33X-XX 24XXX43X-XX



Waterproof cap for Large Series

CHOGORI

Waterproof cap for Large Series

Description Figure	Push Lock Type	Lock Type
		
Drawing		
Part-No.	Part Number 806-00058-00	Part Number 804-00002-00
Specifications		
Degree of Protection	IP67	IP4X
Lower-Upper Temperature	- 25℃ ~ +85℃	- 25℃ ~ +85℃
Mating Part No	24XXX53X-XX 24XXX63X-XX	24XXX53X-XX 24XXX63X-XX

# Waterproof cap for Large Series

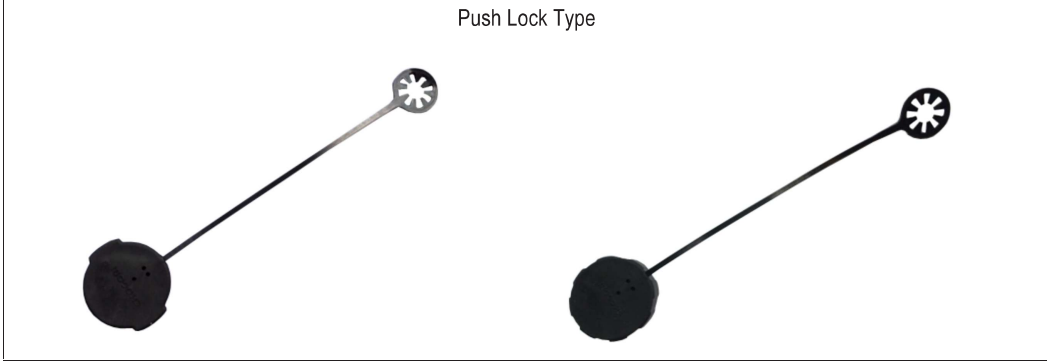
## CHOGORI

### Waterproof cap for Large Series

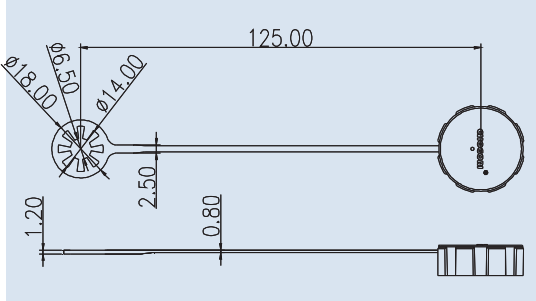
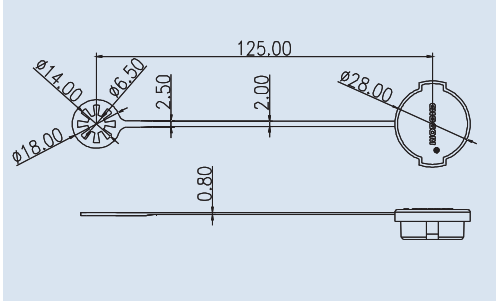
Description

Figure

Push Lock Type



Drawing



Part-No.

Part Number

804-00008-00

Part Number

804-00005-00

### Specifications

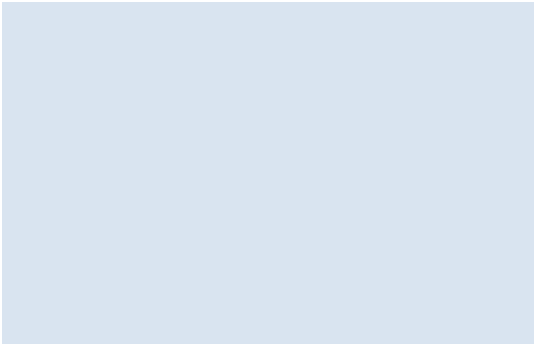
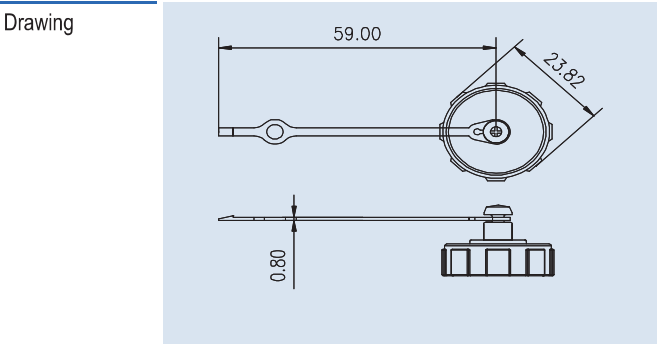
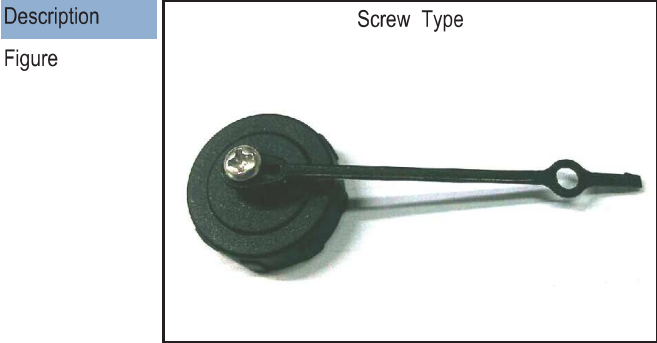
Cable Outlet(mm)	Max 10.5mm	
Degree of Protection	IP4X	
Lower-Upper Temperature	- 25℃~+85℃	
Mating Part No	24XXX13X-XX 24XXX23X-XX	24XXX33X-XX 24XXX43X-XX

Waterproof cap for USB Series

CHOGORI

waterproof cap

Waterproof cap for USB Series



Part-No.	Part Number	
	806-00001-00	

Specifications		
Cable Outlet(mm)		
Degree of Protection	IP67	
Lower-Upper Temperature	- 45℃ ~+85℃	
Mating Part No		
	34000000-03 /34000000-09-XXX	

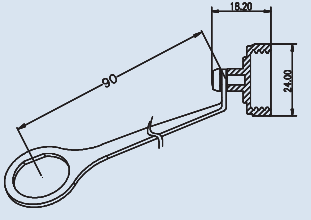
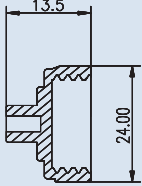
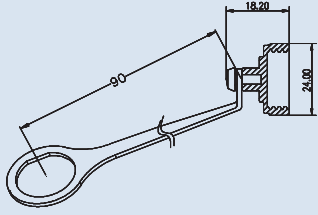
# Waterproof cap for RJ45 Series

CHOGORI

waterproof cap

## Waterproof cap for RJ45 Series

Description	RJ45 Waterproof cap (Plastic Screw )	RJ45 Waterproof cap(Plastic Screw )	RJ45 Waterproof cap (Metal Screw )
Figure			

Drawing			
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Part Number	Part Number	Part Number	Part Number
	806-00003-00	806-00003-01	806-00049-00

Specifications			
Environmental Protection	IP67	IP67	IP67
Mechanical Life	500 mating cycles		
OperatingTemperature	- 40℃ - 85℃		
Mating Part No	33000615-03 33000000 07	33000615-03 33000000 07	33000615-04 33000615 06

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