

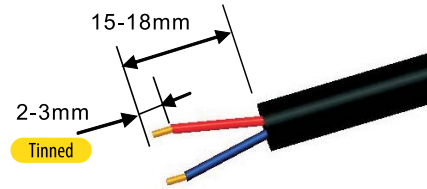
# Large Series

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
8. Large Series, Metal System Push Lock Type .....P94 - P95

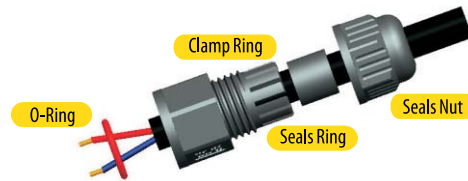


**CHOGORI**

**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.**





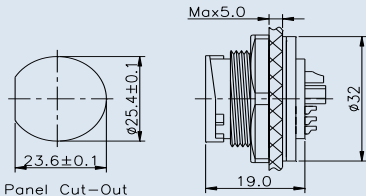
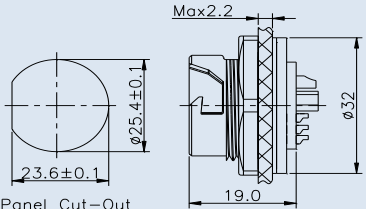
# LARGE SERIES

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

Part-No.	Lock Bayonet Type		Push Lock Type	
	Contacts	Part Number	Contacts	Part Number
	2	24002525-01 	2	24002535-01 
	3(20A)	24003525-01 	3(20A)	24003535-01 
	3(50A)	24003525-02	3(50A)	24003535-02
	9	24009525-01	9	24009535-01
	18	24018525-01	18	24018535-01
	24	24024525-01	24	24024535-01
	3+9(MF)	24309525-01 	3+9(MF)	24309535-01 
	3+11(MF)	24311525-01	3+11(MF)	24311535-01



Specifications								
Number of Contacts	2	3	3	9	18	24	3+9	3+11
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°C - 105°C							
Voltage Rating	300V	300V	300V	125V	125V	300V	300V	
Rated Current (40°C)	20A	20A	50A	5A	5A	20A+5A	20A+5A	

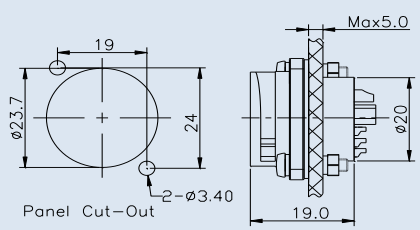
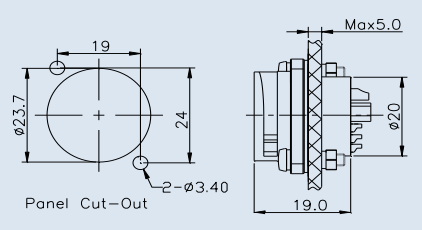
# LARGE SERIES







## 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°C - 105°C				
Voltage Rating	300V	300V	300V	125V	300V
Rated Current (40°C)	20A	20A	50A	5A	20A+5A

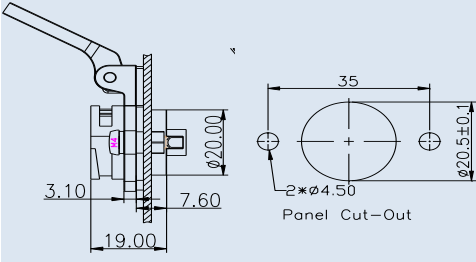
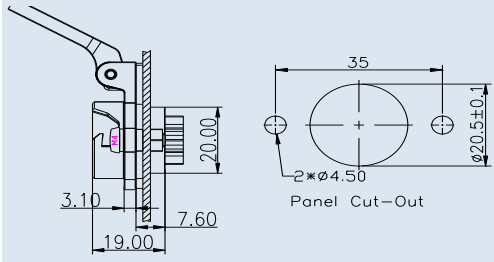
# LARGE SERIES







## CHOGORI

### Large Series Specifications

#### Large Series, Panel Mount & 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.	Lock Bayonet Type		Push Lock Type	
	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°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, Male Connector & Female Pin

**Description** Field Installable, 180°  
Lock Bayonet Type, Solder

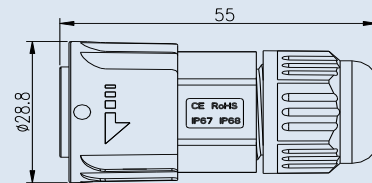
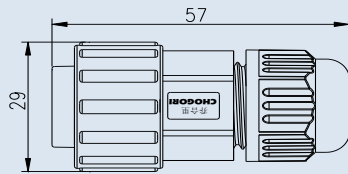
**Figure**



**Description** Field Installable, 180°  
Push Lock Type, Solder



**Drawing**



**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	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 - 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

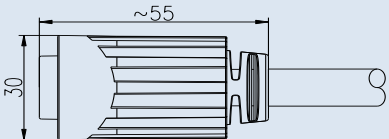
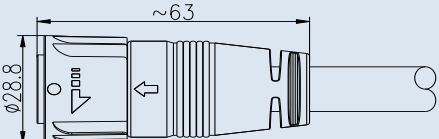
# LARGE SERIES







## 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		
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Part-No.	Male Connector			Female Connector		
	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

Specifications								
Number of Contacts	2	3	3	9	18	24	3+9	3+11
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°C - 80°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



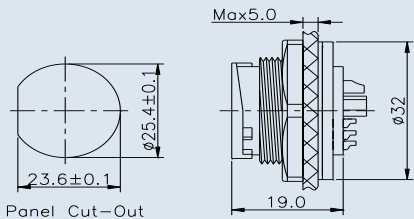
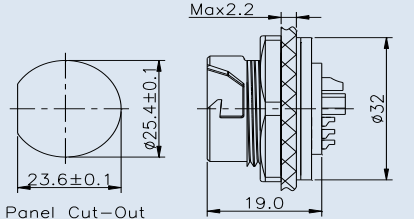
# LARGE SERIES

## CHOGORI

### Large Series Specifications

#### Large Series, 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.	Lock Bayonet Type		Push Lock Type	
	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

Specifications							
Number of Contacts	2	3	3	9	18	3+9	3+11
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°C - 105°C						
Voltage Rating	300V	300V	300V	125V	125V	300V	300V
Rated Current (40°C)	20A	20A	50A	5A	5A	20A+5A	20A+5A



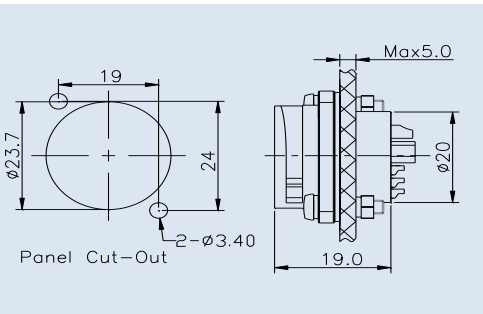
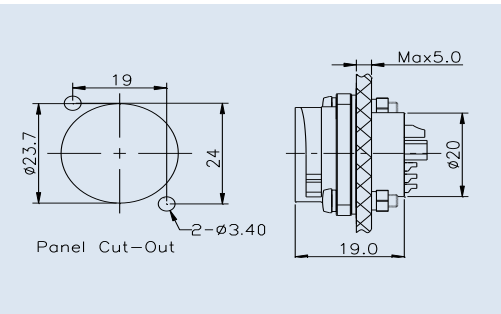
# LARGE SERIES







## 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.	Bayonet Lock Type		Push Lock Type	
	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

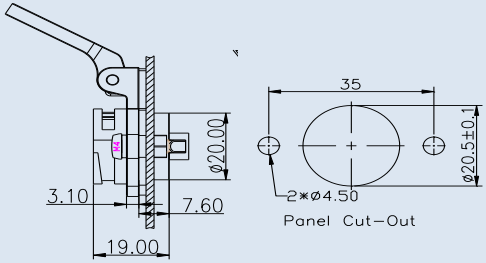
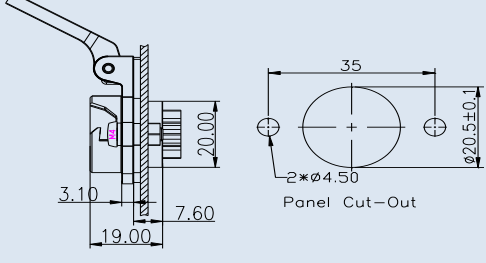
# LARGE SERIES







## 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.	Lock Bayonet Type		Push Lock Type	
	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°C - 105°C				
Voltage Rating	300V	300V	300V	125V	300V
Rated Current (40°C)	20A	20A	50A	5A	20A+5A

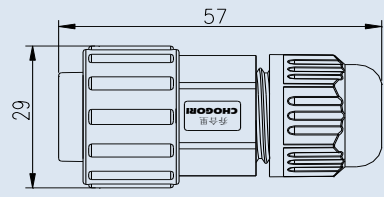
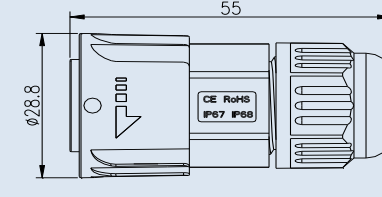
# LARGE SERIES













## CHOGORI

### Large Series Specifications

#### Large Series, 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.	Black Connector			Blue Connector		
	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

Specifications							
Number of Contacts	2	3	3	9	18	3+9	3+11
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 - 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, Male connector & Male Pin

Description

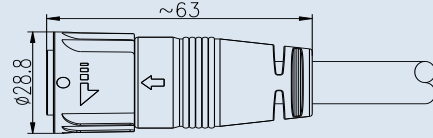
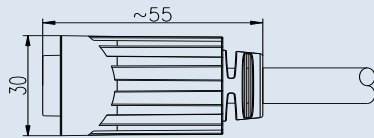
Molded with Cable, 180°  
Lock Bayonet Type, Solder

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	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

#### Specifications

	2	3	3	9	18	3+9	3+11
Number of Contacts	2	3	3	9	18	3+9	3+11
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°C - 80°C						
Voltage Rating	300V	300V	300V	125V	125V	300V	300V
Rated Current (40°C)	20A	20A	50A	5A	5A	20A+5A	20A+5A

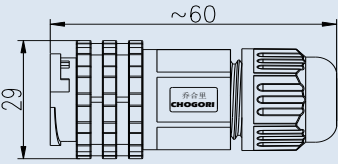
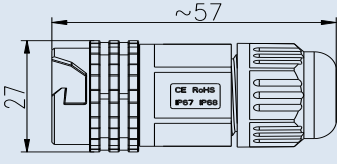
# LARGE SERIES













## 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.	Female Connector			Male Pin		
	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	4.5 - 6.5	24002321-01 	2	4.5 - 6.5	24002331-01 
		6.5 - 10.5	24002321-02 		6.5 - 10.5	24002331-02 
	3(20A)	4.5 - 6.5	24003321-01 	3(20A)	4.5 - 6.5	24003331-01 
		6.5 - 10.5	24003321-02 		6.5 - 10.5	24003331-02 
	3(50A)	4.5 - 6.5	24003321-03	3(50A)	4.5 - 6.5	24003331-03
		6.5 - 10.5	24003321-04		6.5 - 10.5	24003331-04
	9	4.5 - 6.5	24009321-01	9	4.5 - 6.5	24009331-01
		6.5 - 10.5	24009321-02		6.5 - 10.5	24009331-02
	18	4.5 - 6.5	24018321-01	18	4.5 - 6.5	24018331-01
		6.5 - 10.5	24018321-02		6.5 - 10.5	24018331-02
	3+9(MF)	4.5 - 6.5	24309321-01 	3+9(MF)	4.5 - 6.5	24309331-01 
		6.5 - 10.5	24309321-02 		6.5 - 10.5	24309331-02 
	3+11(MF)	4.5 - 6.5	24311321-01	3+11(MF)	4.5 - 6.5	24311331-01
		6.5 - 10.5	24311321-02		6.5 - 10.5	24311331-02

Specifications							
Number of Contacts	2	3	3	9	18	3+9	3+11
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 - 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	300V	300V
Rated Current (40°C)	20A	20A	50A	5A	5A	20A+5A	20A+5A

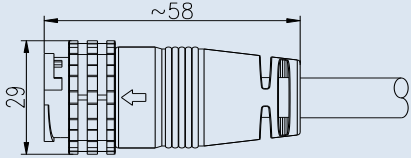
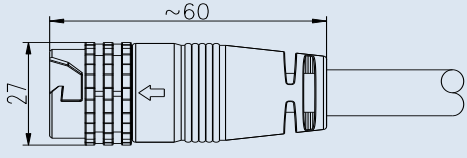
# LARGE SERIES







## 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.	Female Connector (Bayonet Lock)			Female Connector (Push Lock)		
	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

Specifications							
Number of Contacts	2	3	3	9	18	3+9	3+11
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

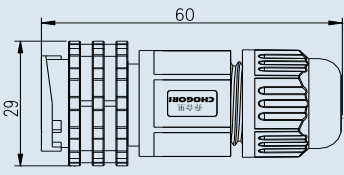
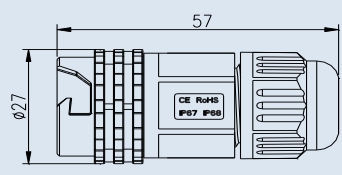
# LARGE SERIES













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

Specifications							
Number of Contacts	2	3	3	9	18	3+9	3+11
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 - 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	300V	300V
Rated Current (40°C)	20A	20A	50A	5A	5A	20A+5A	20A+5A





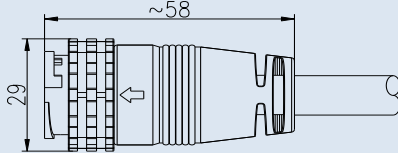
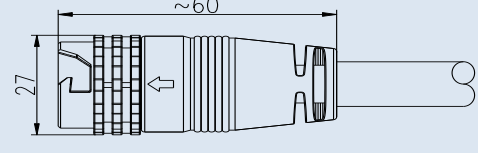
# LARGE SERIES







## 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.	Bayonet Lock Type			Push Lock Type		
	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




Specifications							
Number of Contacts	2	3	3	9	18	3+9	3+11
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°C - 80°C						
Voltage Rating	300V	300V	300V	125V	125V	300V	300V
Rated Current (40°C)	20A	20A	50A	5A	5A	20A+5A	20A+5A

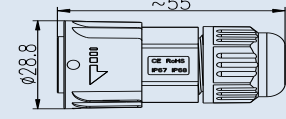
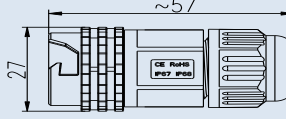
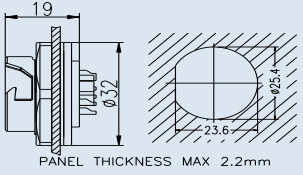
# LARGE SERIES

## CHOGORI

### Large Series Specifications

#### Large Series, Metal System Push Lock Type

Description	Field Installable, 180° Male connector with female pin	Field Installable, 180° Female connector with male pin	Front Panel Mount with Male Pin
Figure			

Drawing			
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Part-No.	Male Connector			Female Connector			Front Panel Mount	
	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Part Number
	2	4.5 - 6.5	24002231-81	2	4.5 - 6.5	24002331-81	2	24002535-81
		6.5 - 10.5	24002231-82		6.5 - 10.5	24002331-82		
	3(20A)	4.5 - 6.5	24003231-81	3(20A)	4.5 - 6.5	24003331-81	3(20A)	24003535-81
		6.5 - 10.5	24003231-82		6.5 - 10.5	24003331-82		
	3(50A)	4.5 - 6.5	24003231-83	3(50A)	4.5 - 6.5	24003331-83	3(50A)	24003535-82
		6.5 - 10.5	24003231-84		6.5 - 10.5	24003331-84		
	9	4.5 - 6.5	24009231-81	9	4.5 - 6.5	24009331-81	9	24009535-81
		6.5 - 10.5	24009231-82		6.5 - 10.5	24009331-82		
	18	4.5 - 6.5	24018231-81	18	4.5 - 6.5	24018331-81	18	24018535-81
		6.5 - 10.5	24018231-82		6.5 - 10.5	24018331-82		
	3+9(FM)	4.5 - 6.5	24309231-81	3+9(MF)	4.5 - 6.5	24309331-81	3+9(MF)	24309535-81
		6.5 - 10.5	24309231-82		6.5 - 10.5	24309331-82		
	3+11(FM)	4.5 - 6.5	24311231-81	3+11(MF)	4.5 - 6.5	24311331-81	3+11(MF)	24311535-81
		6.5 - 10.5	24311231-82		6.5 - 10.5	24311331-82		

Specifications							
Number of Contacts	2	3	3	9	18	3+9	3+11
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/Panel Thickness	3.5mm - 6.5mm, 6.5mm - 10.5mm					Max. 2.2mm	
Environmental Protection	IP67						
Mechanical Life	500 mating cycles						
Operating Temperature	- 45°C - 105°C						
Voltage Rating	300V	300V	300V	125V	125V	300V	300V
Rated Current (40°C)	20A	20A	50A	5A	5A	20A+5A	20A+5A

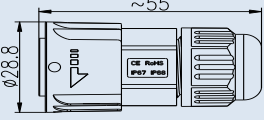
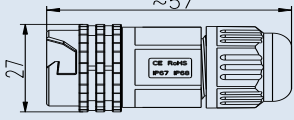
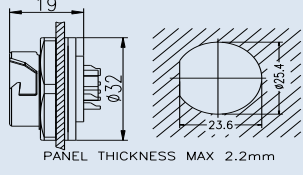
# LARGE SERIES

## CHOGORI

### Large Series Specifications

#### Large Series, Metal System Push Lock Type

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

Drawing			 PANEL THICKNESS MAX 2.2mm
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Part-No.	Male Connector			Female Connector			Front Panel Mount	
	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Part Number
	2	4.5 - 6.5	24002131-81	2	4.5 - 6.5	24002431-81	2	24002635-81
		6.5 - 10.5	24002131-82		6.5 - 10.5	24002431-82		
	3(20A)	4.5 - 6.5	24003131-81	3(20A)	4.5 - 6.5	24003431-81	3(20A)	24003635-81
		6.5 - 10.5	24003131-82		6.5 - 10.5	24003431-82		
	3(50A)	4.5 - 6.5	24003131-83	3(50A)	4.5 - 6.5	24003431-83	3(50A)	24003635-82
		6.5 - 10.5	24003131-84		6.5 - 10.5	24003431-84		
	9	4.5 - 6.5	24009131-81	9	4.5 - 6.5	24009431-81	9	24009635-81
		6.5 - 10.5	24009131-82		6.5 - 10.5	24009431-82		
	18	4.5 - 6.5	24018131-81	18	4.5 - 6.5	24018431-81	18	24018635-81
		6.5 - 10.5	24018131-82		6.5 - 10.5	24018431-82		
	3+9(MF)	4.5 - 6.5	24309131-81	3+9(FM)	4.5 - 6.5	24309431-81	3+9(FM)	24309635-81
		6.5 - 10.5	24309131-82		6.5 - 10.5	24309431-82		
	3+11(MF)	4.5 - 6.5	24311131-81	3+11(FM)	4.5 - 6.5	24311431-81	3+11(FM)	24311635-81
		6.5 - 10.5	24311131-82		6.5 - 10.5	24311431-82		

Specifications							
Number of Contacts	2	3	3	9	18	3+9	3+11
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/Panel Thickness	3.5mm - 6.5mm, 6.5mm - 10.5mm					Max. 2.2mm	
Environmental Protection	IP67						
Mechanical Life	500 mating cycles						
Operating Temperature	- 45°C - 105°C						
Voltage Rating	300V	300V	300V	125V	125V	300V	300V
Rated Current (40°C)	20A	20A	50A	5A	5A	20A+5A	20A+5A