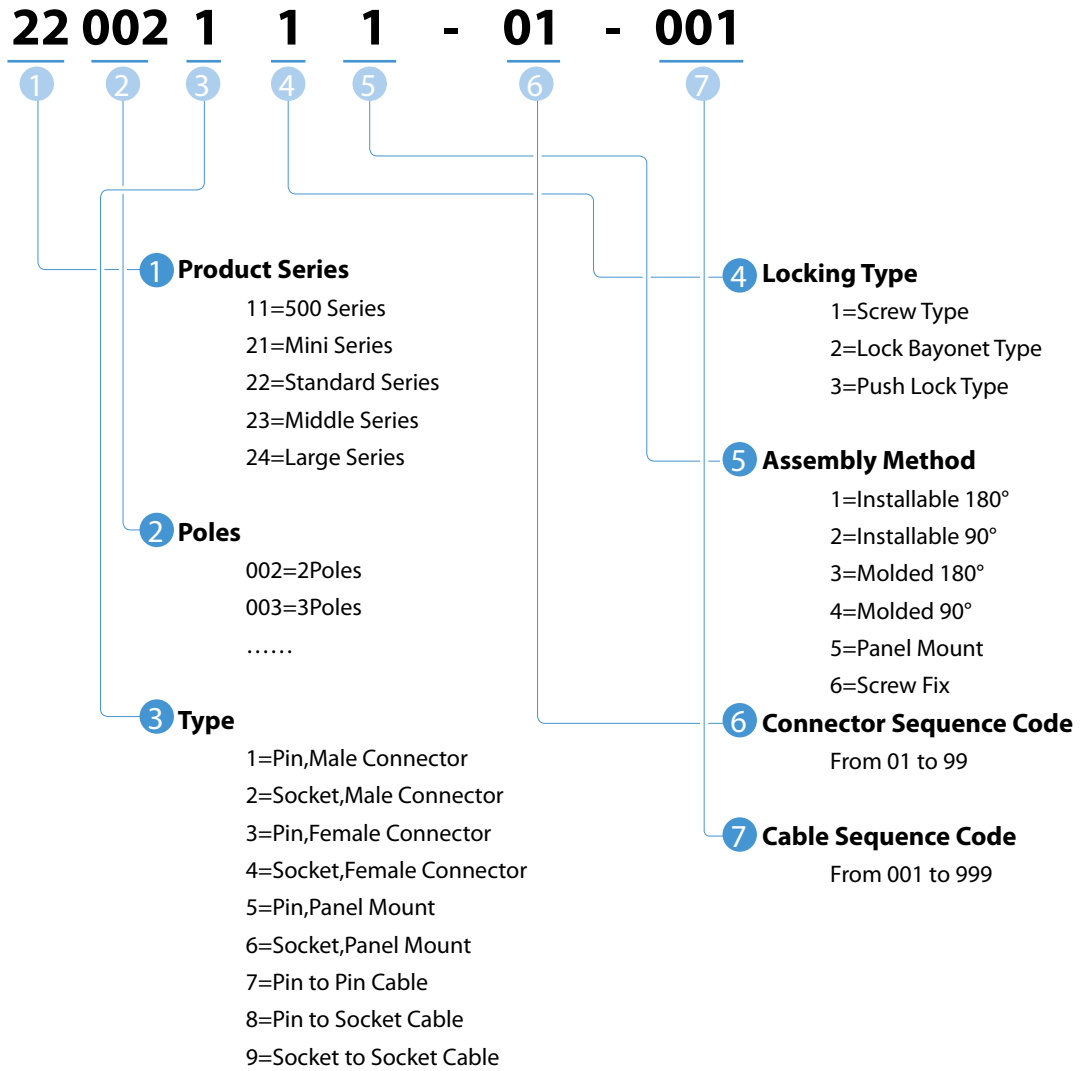


1. 500 Series, Assembly Instruction	P13 - P14
2. 500 Series, Front Panel Mount & Female Pin.....	P15
3. 500 Series, Male connector & Male Pin	P16
4. 500 Series, Female connector & Female Pin.....	P17

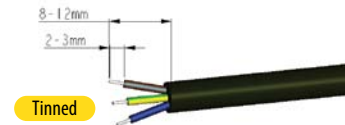




CHOGORI USA

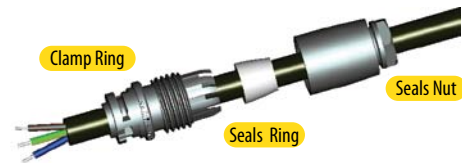
1 Strip and prepare Cable

1



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

2



3 Solder wire

3



4 Assemble the Housing into Clamp ring:

4



5 Put Seals Ring to the end of Clamp Ring.

5



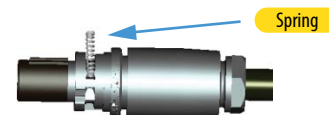
6 Assemble Seals Nut and Clamp Ring.

6



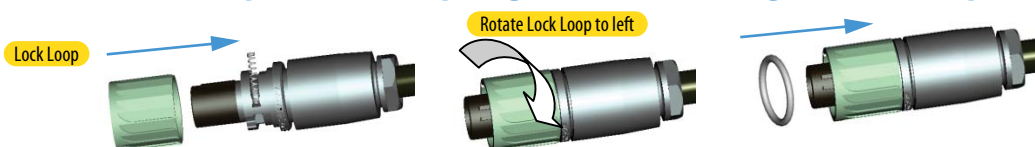
7 Assemble Spring on the Clamp ring.

7



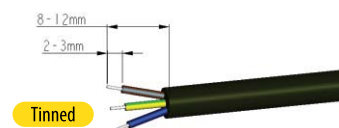
8 Assemble Lock Loop on the Clamp ring, Assemble O-Ring into lock loop

8



CHOGORI USA**1 Strip and prepare Cable**

1

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

2

**3 Solder wire**

3

**4 Fix Housing into Clamp ring.**

4

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

5

**6 Assemble Seals Nut and Clamp Ring.**

6



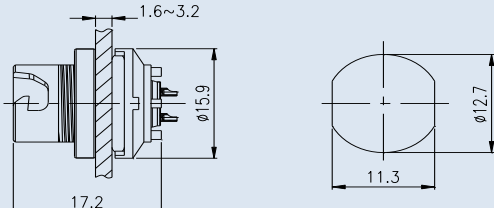
500 SERIES




CHOGORI USA

500 Series Specifications

500 Series , Front Panel Mount & Female Pin

Description	Front Panel Push Lock Type, Solder
Figure	

Drawing	 <p style="text-align: center;">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	22AWG						26AWG				
Panel Thickness	1.6mm - 3.2mm										
Environmental Protection	IP65/IP67										
Mechanical Life	500 mating cycles										
Operating Temperature	- 45°C - 105°C										
Voltage Rating	110V	110V	110V	110V	110V	60V	60V	60V	60V	30V	30V
Rated Current(40°C)	2A	2A	2A	2A	5A+2A	2A	2A	2A	2A	1A	1A

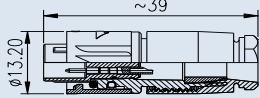
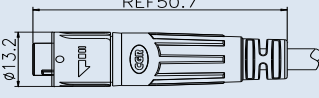
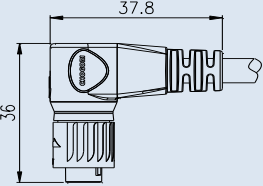
500 SERIES










CHOGORI USA

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			
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Part-No.	180° Field Installable			180° Molded			90° Molded		
	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



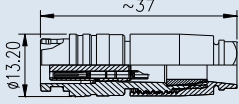
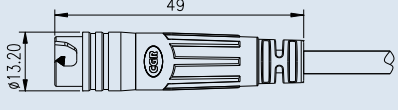
Specifications												
Number of Contacts	1	2	3	4	2+2	5	6	7	8	10	14	
Wire Gauge	22AWG						26AWG					
Cable Range	2.9mm - 6.3mm											
Environmental Protection	IP65/IP67											
Mechanical Life	500 mating cycles											
Operating Temperature	- 45°C - 105°C											
Voltage Rating	110V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







500 SERIES

CHOGORI USA

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.	Field Installable Connector			Molded Connector		
	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

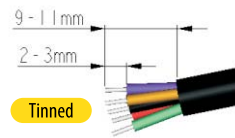
Specifications												
Number of Contacts	1	2	3	4	2+2	5	6	7	8	10	14	
Wire Gauge	22AWG						26AWG					
Cable Range	2.9mm - 6.3mm											
Environmental Protection	IP65/IP67											
Mechanical Life	500 mating cycles											
Operating Temperature	- 45°C - 105°C											
Voltage Rating	110V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

1. Mini Series, Assembly Instruction.....	P19
2. Mini Series, Front Panel Mount & Male Pin	P20 - P21
3. Mini Series, Rear Panel Mount & Male Pin.....	P22
4. Mini Series, Male connector & Female Pin	P23 - P25
5. Mini Series, Front Panel Mount & Female Pin	P26
6. Mini Series, Rear Panel Mount & Female Pin	P27
6. Mini Series, Male connector & Male Pin	P28 - P29
7. Mini Series, Female connector & Male Pin	P30 - P31
8. Mini Series, Female connector & Female Pin	P32

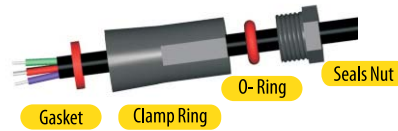


CHOGORI USA

1 Strip and prepare Cable.



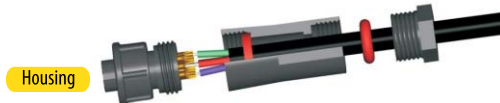
2 Thread Seals Nut, O- Ring, Clamp Ring and Gasket onto the cable.



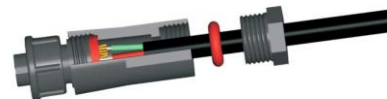
3 Solder wire



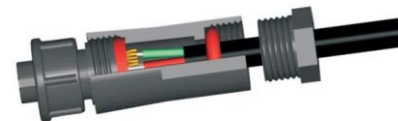
4 Assemble Gasket into Clamp ring: Gasket Direction (Flat Surface to Housing)



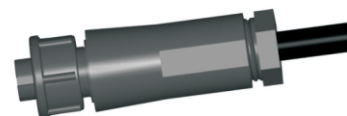
5 Assemble Clamp Ring to Housing



6 Put O-Ring to the Clamp Ring.



7 Assemble Seals Nut and Clamp Ring.



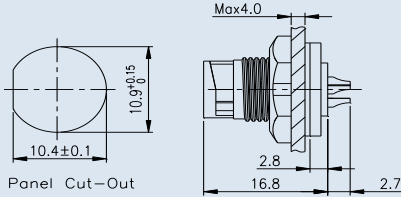
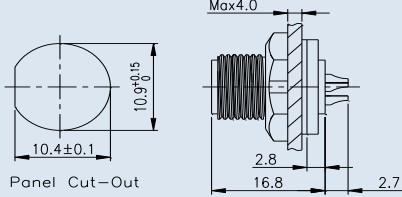






MINI SERIES

CHOGORI USA

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	20AWG				22AWG				
Panel Thickness	Max. 4.0mm								
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

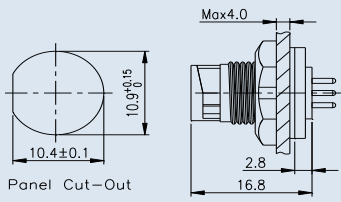
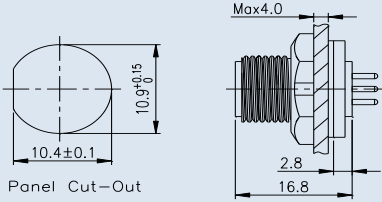
MINI SERIES

CHOGORI USA

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		
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Part-No.	Lock Bayonet Type		Screw Type	
	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	20AWG				22AWG				
Panel Thickness	Max. 4.0mm								
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

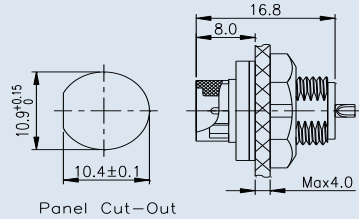
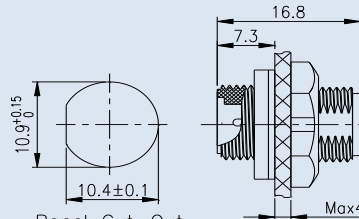
MINI SERIES





CHOGORI USA

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

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	20AWG				22AWG				
Panel Thickness	Max. 4.0mm								
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

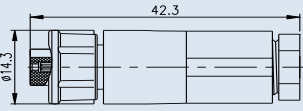
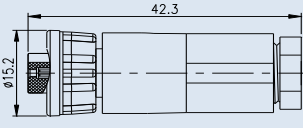
MINI SERIES





CHOGORI USA

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		
---------	---	--

Part-No.	Male Connector			Female Connector		
	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	20AWG				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

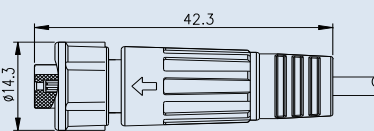
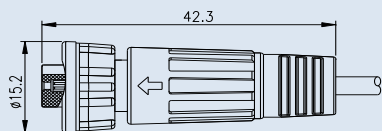
MINI SERIES





CHOGORI USA

MINI Series Specifications

Mini Series , Male connector & Female pin

Description	Molded, 180° Lock Bayonet Type, Solder	Molded, 180° Screw 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	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	20AWG				22AWG				
Cable Range	Max. 7.2mm								
Environmental Protection	IP67								
Mechanical Life	500 mating cycles								
Operating Temperature	- 40°C - 80°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

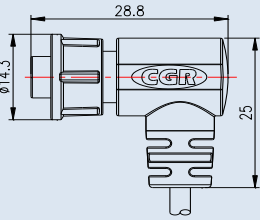
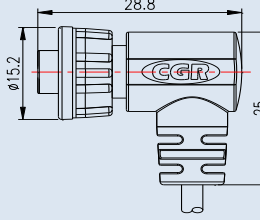
MINI SERIES





CHOGORI USA

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.	Lock Bayonet Type			Screw Type		
	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	20AWG				22AWG				
Cable Range	Max. 7.2mm								
Environmental Protection	IP67								
Mechanical Life	500 mating cycles								
Operating Temperature	- 40°C - 80°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

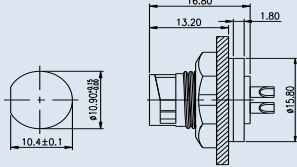
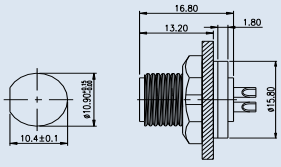
MINI SERIES

CHOGORI USA



MINI Series Specifications

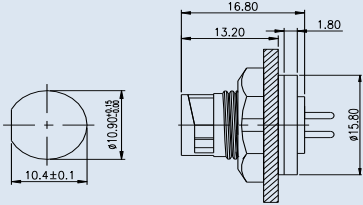
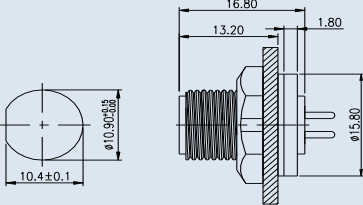
Mini Series , Front Panel Mount & Female pin

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

Drawing		
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Part-No.	Contacts	Part-Number	Contacts	Part-Number
		2	21002625-01	2
	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		

Drawing		
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Part-No.	Contacts	Part-Number	Contacts	Part-Number
		4	21004625-02	4

Specifications	
Number of Contacts	4
Wire Gauge	22AWG
Panel Thickness	Max. 4.0mm
Environmental Protection	IP67/IP68
Mechanical Life	500 mating cycles
Operating Temperature	- 45°C - 105°C
Voltage Rating	50V
Rated Current(40°C)	5A

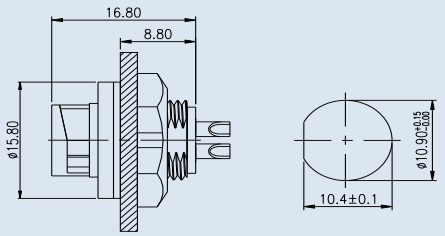
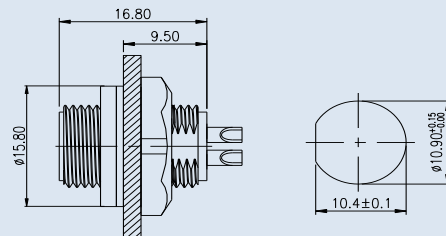
MINI SERIES

CHOGORI USA

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
	4	21004625-03	4	21004615-03

Specifications



Number of Contacts	4
Wire Gauge	22AWG
Panel Thickness	Max. 4.0mm
Environmental Protection	IP67/IP68
Mechanical Life	500 mating cycles
Operating Temperature	- 45°C - 105°C
Voltage Rating	50V
Rated Current(40°C)	5A

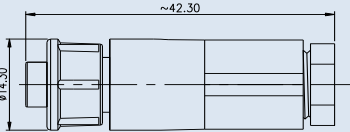
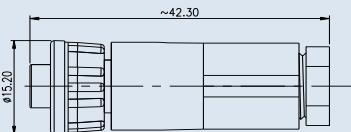
MINI SERIES

CHOGORI USA



MINI Series Specifications

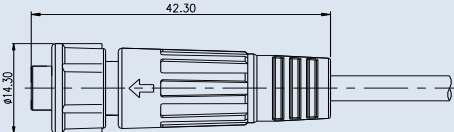
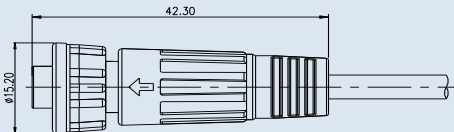
Mini Series Male connector & Male pin

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
	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		
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Part-No.	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
	4	3.5 - 6.8	21004123-01-XXX	4	3.5 - 6.8	21004113-01-XXX



Specifications	
Number of Contacts	4
Wire Gauge	22AWG
Cable Range	3.5mm - 6.8mm
Environmental Protection	IP67
Mechanical Life	500 mating cycles
Operating Temperature	- 40°C - 80°C
Voltage Rating	50V
Rated Current(40°C)	5A

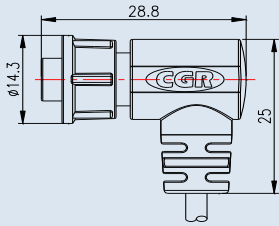
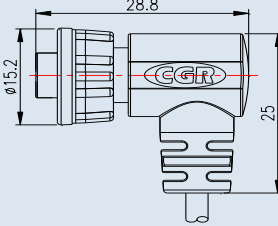
MINI SERIES

CHOGORI USA

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
	4	Max. 7.2	21004124-02-XXX	4	Max. 7.2	21004114-02-XXX

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

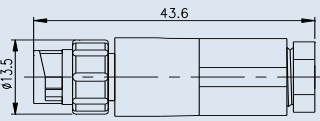
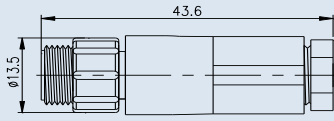
MINI SERIES





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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.	Lock Bayonet Type			Screw Type		
	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	20AWG				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

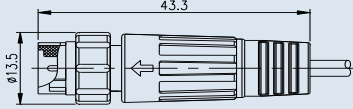
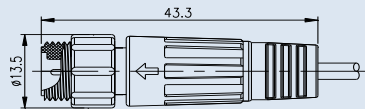
MINI SERIES





CHOGORI USA

MINI Series Specifications

Mini Series , Female connector & Male pin

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

Drawing		
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Part-No.	Female Connector			Male Connector		
	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
	2	Max. 7.2	21002323-01-XXX 	2	Max. 7.2	21002313-01-XXX 
	3	Max. 7.2	21003323-01-XXX 	3	Max. 7.2	21003313-01-XXX 
	4(5A)	Max. 7.2	21004323-01-XXX	4(5A)	Max. 7.2	21004313-01-XXX
	4(2A)	Max. 7.2	21004323-02-XXX	4(2A)	Max. 7.2	21004313-02-XXX
	5	Max. 7.2	21005323-01-XXX	5	Max. 7.2	21005313-01-XXX
	6	Max. 7.2	21006323-01-XXX	6	Max. 7.2	21006313-01-XXX
	2+4	Max. 7.2	21204323-01-XXX	2+4	Max. 7.2	21204313-01-XXX
	7	Max. 7.2	21007323-01-XXX	7	Max. 7.2	21007313-01-XXX
	8	Max. 7.2	21008323-01-XXX	8	Max. 7.2	21008313-01-XXX

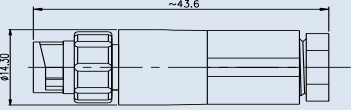
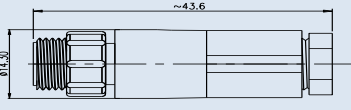
Specifications									
Number of Contacts	2	3	4	4	5	6	2+4	7	8
Wire Gauge	20AWG				22AWG				
Cable Range	Max. 7.2mm								
Environmental Protection	IP67								
Mechanical Life	500 mating cycles								
Operating Temperature	- 40°C - 80°C								
Voltage Rating	110V	110V	110V	110V	50V	50V	50V	50V	50V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

MINI SERIES



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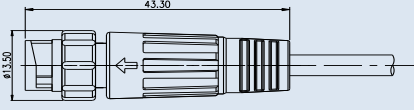
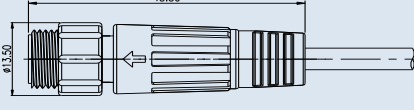
Mini Series , Female connector & Female pin

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
		4	3.5 - 6.8	21004421-01	4	3.5 - 6.8

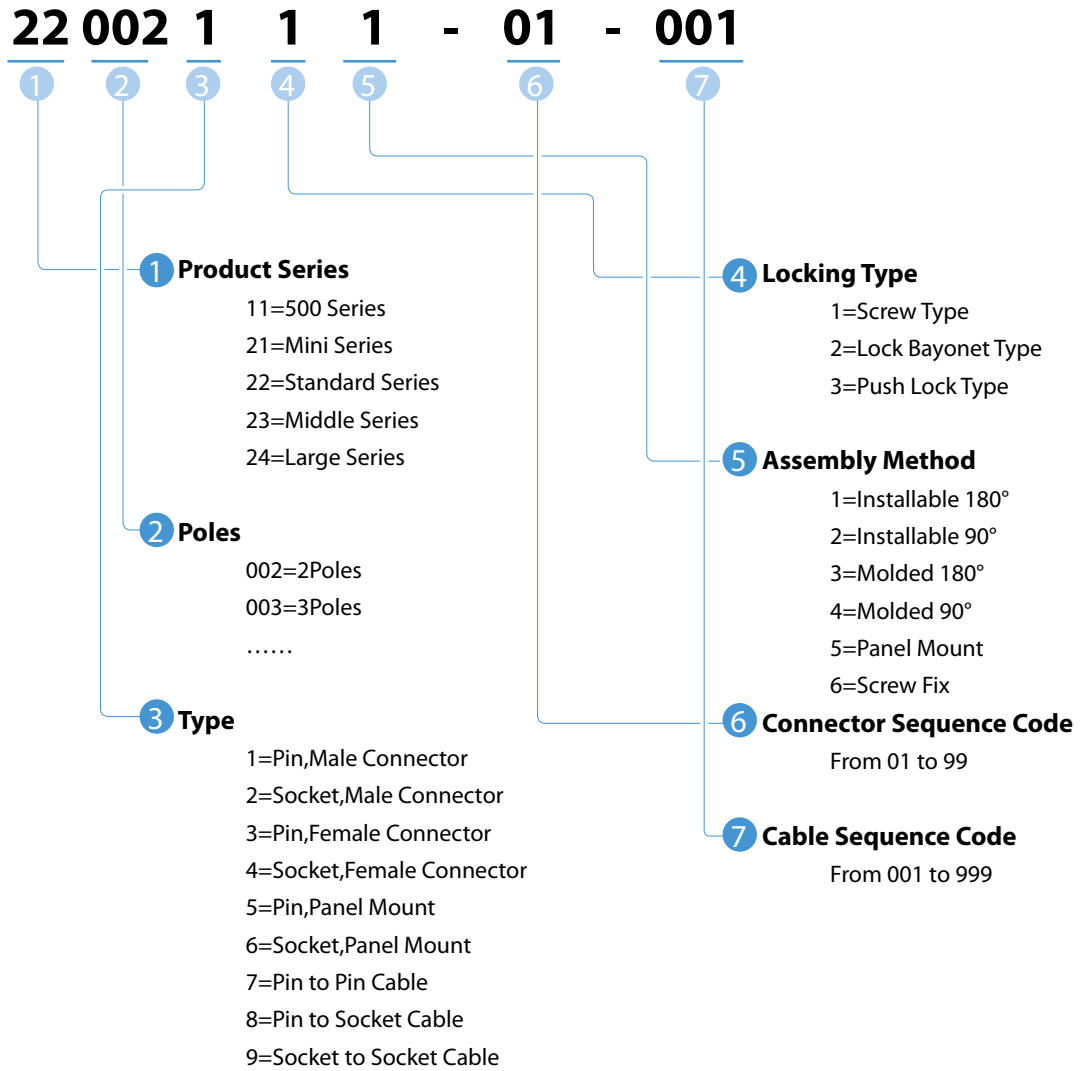
Description	Molded, 180° Lock Bayonet Type, Solder	Molded, 180° Screw Type, Solder
Figure		

Drawing		
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Part-No.	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
		4	3.5 - 6.8	21004423-01-XXX	4	3.5 - 6.8

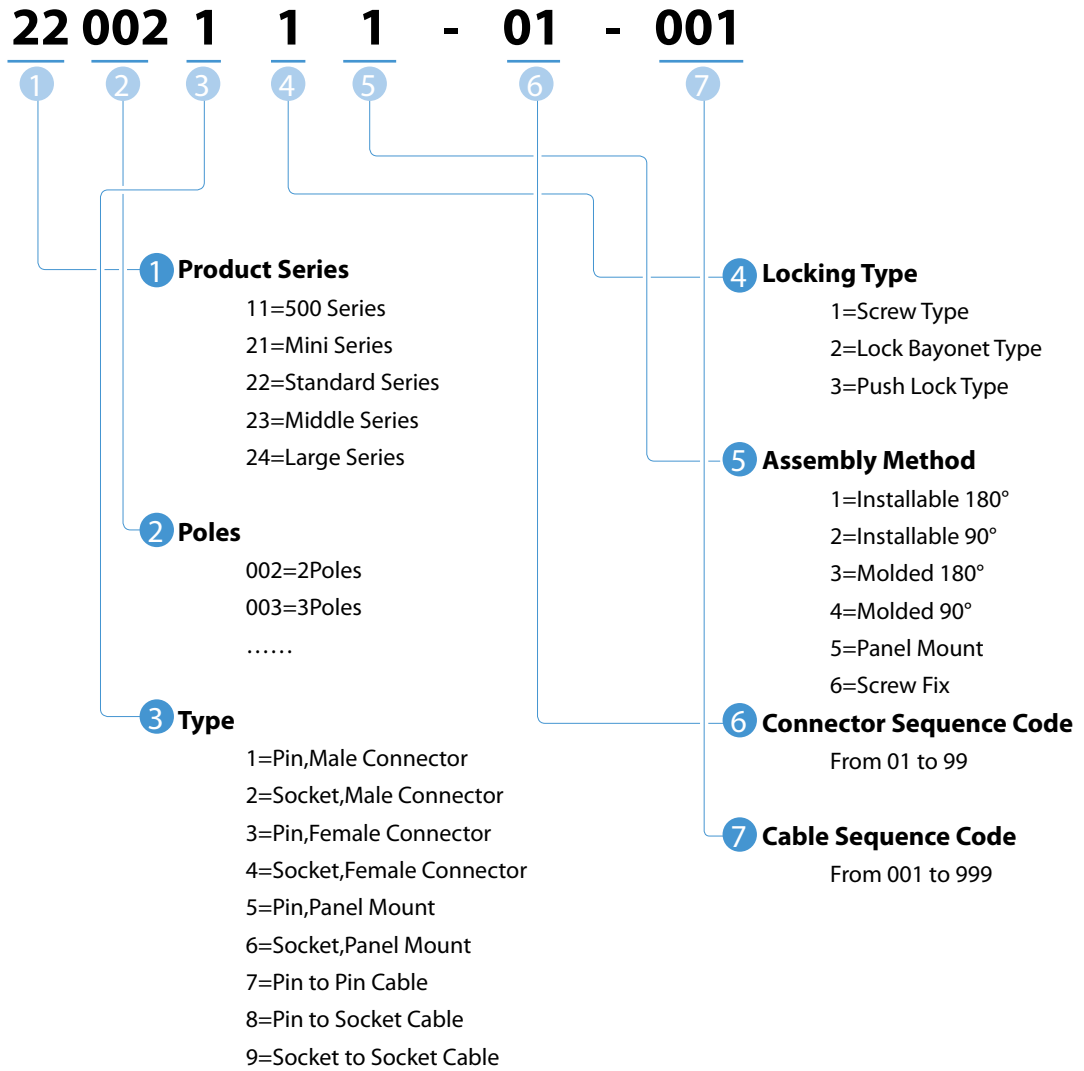
Specifications

Number of Contacts	4
Wire Gauge	22AWG
Cable Range	3.5mm - 6.8mm
Environmental Protection	IP67
Mechanical Life	500 mating cycles
Operating Temperature	- 40°C - 80°C
Voltage Rating	50V
Rated Current(40°C)	5A



1. Standard Series, Assembly Instruction.....	P34
2. Standard Series, Panel Mount & Male Pin	P35 - P37
3. Standard Series, Male Connector & Female Pin	P38 - P40
4. Standard Series, Panel Mount & Female Pin	P41 - P43
5. Standard Series, Male Connector & Male Pin.....	P44 - P46
6. Standard Series, Female Connector & Male Pin	P47 - P48
7. Standard Series, Female Connector & Female Pin	P49 - P50

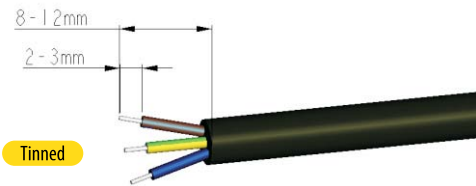




CHOGORI USA

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.






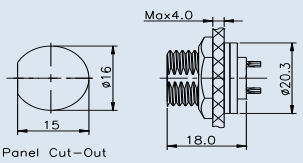
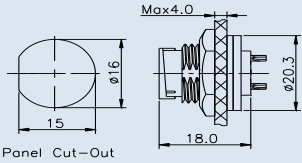
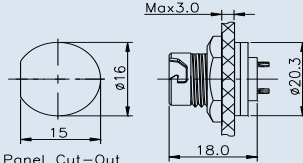
STANDARD SERIES

CHOGORI USA

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			
	Panel Cut-Out	Panel Cut-Out	Panel Cut-Out

Part Number	Screw Type		Lock Bayonet Type		Push Lock Type	
	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	18AWG			20AWG		18AWG*2C/3C 20AWG*4C		20AWG	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

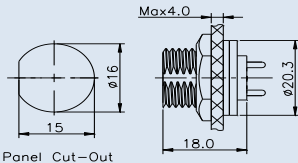
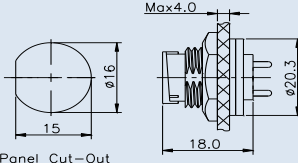
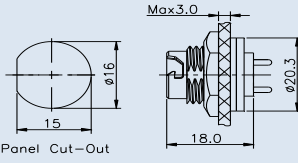
STANDARD SERIES

CHOGORI USA

Standard Series Specifications

Standard Series, Panel Mount & Male Pin

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

Drawing			
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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	18AWG			20AWG		18AWG*2C/3C 20AWG*4C		20AWG	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

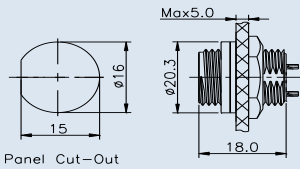
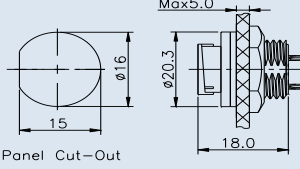
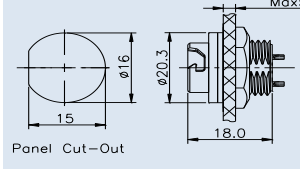
STANDARD SERIES

CHOGORI USA

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	18AWG			20AWG		18AWG*2C/3C 20AWG*4C		20AWG	22AWG	
Panel Thickness	Max. 5.0mm				Max. 5.0mm			Max. 5.5mm		
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

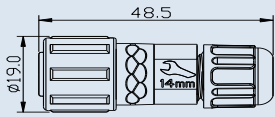
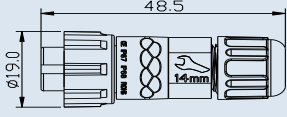
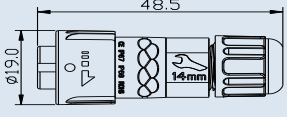
STANDARD SERIES

CHOGORI USA

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	Screw Type			Lock Bayonet Type			Push Lock Type		
	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	18AWG			20AWG		18AWG*2C/3C 20AWG*4C		20AWG	22AWG		
Cable Range	3.5mm - 6.8 mm										
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	


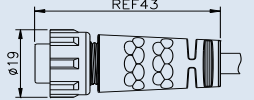
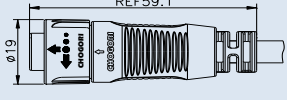
STANDARD SERIES

CHOGORI USA

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	Screw Type			Lock Bayonet Type			Push Lock Type		
	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	18AWG			20AWG		18AWG*2C/3C 20AWG*4C		20AWG	22AWG		
Cable Range	Max. 9.0 mm										
Environmental Protection	IP67				IP67				IP67		
Mechanical Life	500 mating cycles										
Operating Temperature	- 40°C - 80°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	

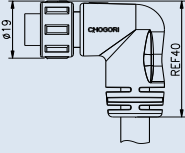
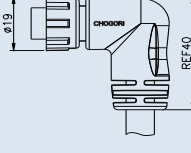
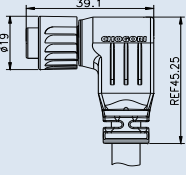
STANDARD SERIES

CHOGORI USA

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	Screw Type			Lock Bayonet Type			Push Lock Type		
	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	18AWG			20AWG		18AWG*2C/3C 20AWG*4C		20AWG	22AWG	
Cable Range	Max. 9.0 mm									
Environmental Protection	IP67					IP67			IP67	
Mechanical Life	500 mating cycles									
Operating Temperature	- 40°C - 80°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 USA

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	<table border="1"> <thead> <tr> <th>Contacts</th> <th>Part Number</th> </tr> </thead> <tbody> <tr><td>2</td><td>22002615-01</td></tr> <tr><td>3</td><td>22003615-01</td></tr> <tr><td>4</td><td>22004615-01</td></tr> <tr><td>5</td><td>22005615-01</td></tr> <tr><td>6</td><td>22006615-01</td></tr> <tr><td>2+4</td><td>22204615-01</td></tr> <tr><td>2+6</td><td>22206615-01</td></tr> </tbody> </table>	Contacts	Part Number	2	22002615-01	3	22003615-01	4	22004615-01	5	22005615-01	6	22006615-01	2+4	22204615-01	2+6	22206615-01	<table border="1"> <thead> <tr> <th>Contacts</th> <th>Part Number</th> </tr> </thead> <tbody> <tr><td>2</td><td>22002625-01</td></tr> <tr><td>3</td><td>22003625-01</td></tr> <tr><td>4</td><td>22004625-01</td></tr> <tr><td>5</td><td>22005625-01</td></tr> <tr><td>6</td><td>22006625-01</td></tr> <tr><td>2+4</td><td>22204625-01</td></tr> <tr><td>2+6</td><td>22206625-01</td></tr> </tbody> </table>	Contacts	Part Number	2	22002625-01	3	22003625-01	4	22004625-01	5	22005625-01	6	22006625-01	2+4	22204625-01	2+6	22206625-01	<table border="1"> <thead> <tr> <th>Contacts</th> <th>Part Number</th> </tr> </thead> <tbody> <tr><td>2</td><td>22002635-01</td></tr> <tr><td>3</td><td>22003635-01</td></tr> <tr><td>4</td><td>22004635-01</td></tr> <tr><td>5</td><td>22005635-01</td></tr> <tr><td>6</td><td>22006635-01</td></tr> <tr><td>2+4</td><td>22204635-01</td></tr> <tr><td>2+6</td><td>22206635-01</td></tr> </tbody> </table>	Contacts	Part Number	2	22002635-01	3	22003635-01	4	22004635-01	5	22005635-01	6	22006635-01	2+4	22204635-01	2+6	22206635-01
Contacts	Part Number																																																		
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6	22006635-01																																																		
2+4	22204635-01																																																		
2+6	22206635-01																																																		

Specifications							
Number of Contacts	2	3	4	5	6	2+4	2+6
Wire Gauge	18AWG			20AWG		18AWG*2C 22AWG*4C	20AWG*2C 22AWG*6C
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	30V
Rated Current (40°C)	10A	10A	10A	5A	5A	10A+2A	5A+2A

STANDARD SERIES

CHOGORI USA

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	18AWG			20AWG		18AWG*2C 22AWG*4C	20AWG*2C 22AWG*6C
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	30V
Rated Current (40°C)	10A	10A	10A	5A	5A	10A+2A	5A+2A

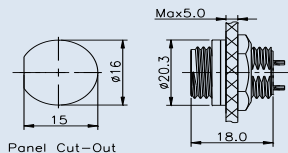
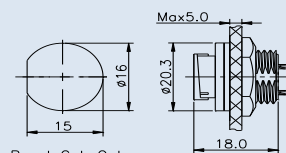
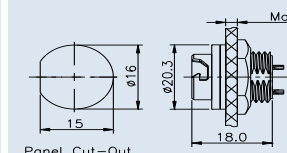
STANDARD SERIES

CHOGORI USA

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			
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Part Number	Screw Type		Lock Bayonet Type		Push Lock Type	
	Contacts	Part Number	Contacts	Part Number	Contacts	Part Number
	2	22002615-03	2	22002625-03	2	22002635-03
	3	22003615-03	3	22003625-03	3	22003635-03
	4	22004615-03	4	22004625-03	4	22004635-03
	5	22005615-03	5	22005625-03	5	22005635-03
	6	22006615-03	6	22006625-03	6	22006635-03
	2+4	22204615-03	2+4	22204625-03	2+4	22204635-03
	2+6	22206615-03	2+6	22206625-03	2+6	22206635-03

Specifications

Number of Contacts	2	3	4	5	6	2+4	2+6
Wire Gauge	18AWG		20AWG		18AWG*2C 20AWG*4C		20AWG*2C 22AWG*6C
Panel Thickness	Max. 5.0mm			Max. 5.0mm			Max. 5.5mm
Environmental Protection	IP68			IP67			IP67
Mechanical Life	500 mating cycles						
Operating Temperature	- 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

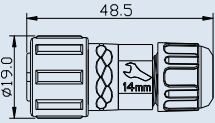
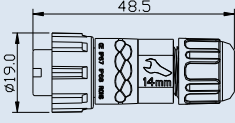
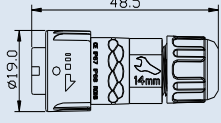
STANDARD SERIES

CHOGORI USA

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	Screw Type			Lock Bayonet Type			Push Lock Type		
	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	18AWG			20AWG		18AWG*2C 22AWG*4C	20AWG*2C 22AWG*6C		
Cable Range	3.5mm - 6.8mm								
Environmental Protection	IP68			IP67			IP67		
Mechanical Life	500 mating cycles								
Operating Temperature	- 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 USA

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	Screw Type			Lock Bayonet Type			Push Lock Type		
	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	18AWG			20AWG		18AWG*2C 22AWG*4C	20AWG*2C 22AWG*6C
Cable Range	Max. 9.0 mm						
Environmental Protection	IP67			IP67			IP67
Mechanical Life	500 mating cycles						
Operating Temperature	- 40°C - 80°C						
Voltage Rating	300V	300V	125V	60V	60V	60V	30V
Rated Current (40°C)	10A	10A	10A	5A	5A	10A+2A	5A+2A

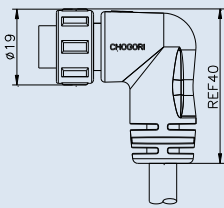
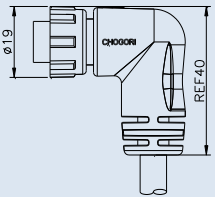
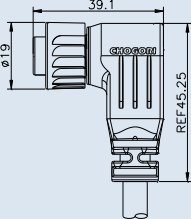
STANDARD SERIES















CHOGORI USA

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
	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	18AWG			20AWG		18AWG*2C 22AWG*4C	20AWG*2C 22AWG*6C
Cable Range	Max. 9.0 mm						
Environmental Protection	IP67			IP67			IP67
Mechanical Life	500 mating cycles						
Operating Temperature	- 40°C - 80°C						
Voltage Rating	300V	300V	125V	60V	60V	60V	30V
Rated Current (40°C)	10A	10A	10A	5A	5A	10A+2A	5A+2A

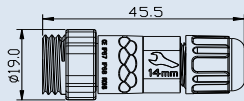
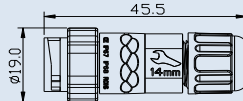
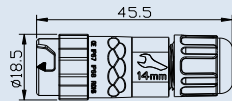
STANDARD SERIES

CHOGORI USA

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	Screw Type			Lock Bayonet Type			Push Lock Type		
	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




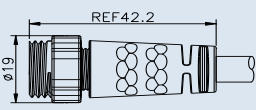
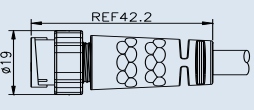
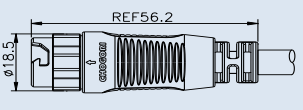
Specifications											
Number of Contacts	2	3	4	5	6	2+4	3+4	8	10	12	
Wire Gauge	18AWG			20AWG		18AWG*2C/3C 20AWG*4C		20AWG	22AWG		
Cable Range	3.5mm - 6.8mm										
Environmental Protection	IP68				IP67				IP67		
Mechanical Life	500 mating cycles										
Operating Temperature	- 45°C - 105°C										
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 USA

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			

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	18AWG			20AWG		18AWG*2C/3C 20AWG*4C		20AWG	22AWG	
Cable Range	Max. 9.0 mm									
Environmental Protection	IP67				IP67				IP67	
Mechanical Life	500 mating cycles									
Operating Temperature	- 40°C - 80°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

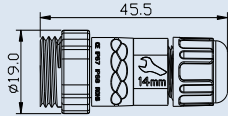
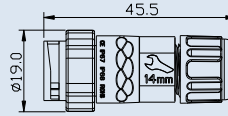
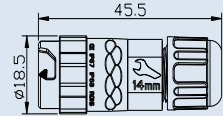
STANDARD SERIES

CHOGORI USA

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			
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Part Number	Screw Type			Lock Bayonet Type			Push Lock Type		
	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	3.5 - 6.8	22002411-01	2	3.5 - 6.8	22002421-01	2	3.5 - 6.8	22002431-01
	3	3.5 - 6.8	22003411-01	3	3.5 - 6.8	22003421-01	3	3.5 - 6.8	22003431-01
	4	3.5 - 6.8	22004411-01	4	3.5 - 6.8	22004421-01	4	3.5 - 6.8	22004431-01
	5	3.5 - 6.8	22005411-01	5	3.5 - 6.8	22005421-01	5	3.5 - 6.8	22005431-01
	6	3.5 - 6.8	22006411-01	6	3.5 - 6.8	22006421-01	6	3.5 - 6.8	22006431-01
	2+4	3.5 - 6.8	22204411-01	2+4	3.5 - 6.8	22204421-01	2+4	3.5 - 6.8	22204431-01
	2+6	3.5 - 6.8	22206411-01	2+6	3.5 - 6.8	22206421-01	2+6	3.5 - 6.8	22206431-01

Specifications




Number of Contacts	2	3	4	5	6	2+4	2+6
Wire Gauge	18AWG			20AWG		18AWG*2C 22AWG*4C	20AWG*2C 22AWG*6C
Cable Range	3.5mm - 6.8mm						
Environmental Protection	IP68			IP67			IP67
Mechanical Life	500 mating cycles						
Operating Temperature	- 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

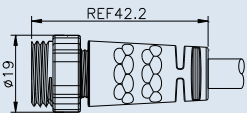
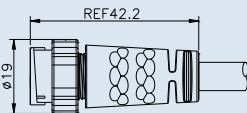
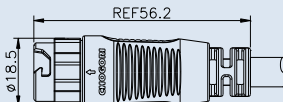
STANDARD SERIES

CHOGORI USA

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			

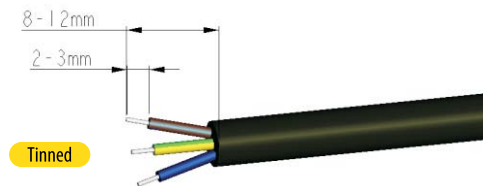
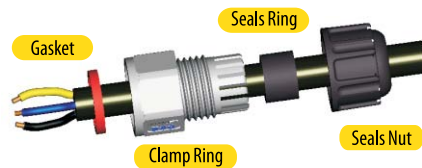
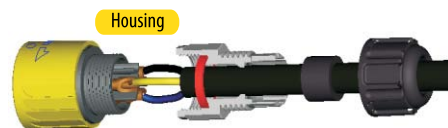
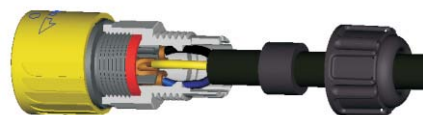
Drawing			
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Part Number	Screw Type			Lock Bayonet Type			Push Lock Type		
	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
	2	Max. 9.0	22002413-01-XXX	2	Max. 9.0	22002423-01-XXX	2	Max. 9.0	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	18AWG			20AWG		18AWG*2C 22AWG*4C	20AWG*2C 22AWG*6C
Cable Range	Max. 9.0 mm						
Environmental Protection	IP67			IP67			IP67
Mechanical Life	500 mating cycles						
Operating Temperature	- 40°C - 80°C						
Voltage Rating	300V	300V	125V	60V	60V	60V	30V
Rated Current (40°C)	10A	10A	10A	5A	5A	10A+2A	5A+2A

1. Middle Series, Assembly Instruction.....	P52
2. Middle Series, Front Panel Mount & Male Pin.....	P53 - P54
3. Middle Series, Flange Panel Mount	P55
4. Middle Series, Rear Panel Mount & Male Pin	P56
5. Middle Series, Male connector & Female Pin.....	P57 - P59
6. Middle Series, Front Panel Mount & Female Pin	P60 - P61
7. Middle Series, Rear Panel Mount & Female Pin.....	P62
8. Middle Series, Male connector & Male Pin.....	P63 - P65
9. Middle Series, Female connector & Male Pin.....	P66 - P67
10. Middle Series, Female connector & Female Pin.....	P68 - P69
11. Middle Series, Metal system	P70 - P71






CHOGORI USA**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.**

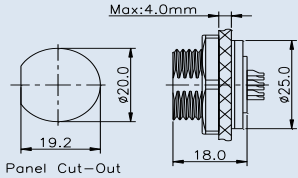
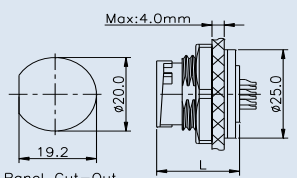
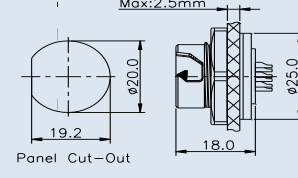
MIDDLE SERIES

CHOGORI USA

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		<p>Note: 9.10 positions, L=17.0 other positions, L=18.0</p> 	
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Part-No.	Contacts	Part-Number	Contacts	Part-Number	Contacts	Part-Number
	2	23002515-01	2	23002525-01	2	23002535-01
	3	23003515-01	3	23003525-01	3	23003535-01
	4	23004515-01	4	23004525-01	4	23004535-01
	5	23005515-01	5	23005525-01	5	23005535-01
	6	23006515-01	6	23006525-01	6	23006535-01
	7	23007515-01	7	23007525-01	7	23007535-01
	8	23008515-01	8	23008525-01	8	23008535-01
	3+5	23305515-01	3+5	23305525-01	3+5	23305535-01
	9	23009515-01	9	23009525-01	9	23009535-01
	10	23010515-01	10	23010525-01	10	23010535-01
	12	23012515-01	12	23012525-01	12	23012535-01
	14	23014515-01	14	23014525-01	14	23014535-01
	18	23018515-01	18	23018525-01	18	23018535-01




Specifications													
Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	14AWG		17AWG	18AWG		22AWG		17AWG + 24AWG	22AWG	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°C - 105°C												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40°C)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	5A	5A	2A

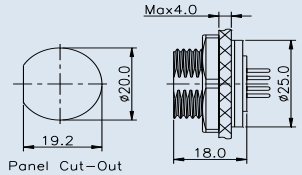
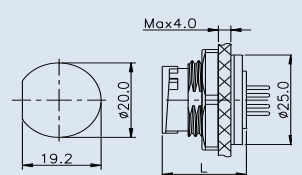
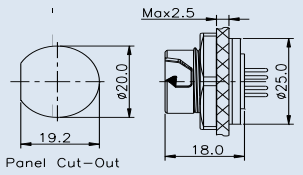
MIDDLE SERIES

CHOGORI USA

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		Note: 9,10 positions, L=17.0 other positions, L=18.0 	
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Part-No.	Screw Type		Lock bayonet Type		Push Lock Type	
	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	14AWG		17AWG	18AWG		22AWG		17AWG + 24AWG	22AWG	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°C - 105°C												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40°C)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	5A	5A	2A

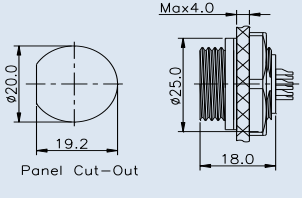
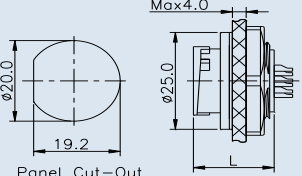
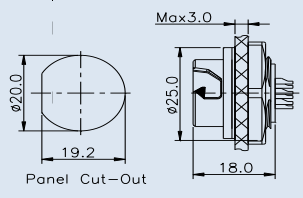
MIDDLE SERIES

CHOGORI USA

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		<p>Note: 9.10 positions, L=17.0 other positions, L=18.0</p> 	
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Part-No.	Screw Type		Lock bayonet Type		Push Lock Type	
	Contacts	Part-Number	Contacts	Part-Number	Contacts	Part-Number
	2	23002515-03	2	23002525-03	2	23002535-03
	3	23003515-03	3	23003525-03	3	23003535-03
	4	23004515-03	4	23004525-03	4	23004535-03
	5	23005515-03	5	23005525-03	5	23005535-03
	6	23006515-03	6	23006525-03	6	23006535-03
	7	23007515-03	7	23007525-03	7	23007535-03
	8	23008515-03	8	23008525-03	8	23008535-03
	3+5	23305515-03	3+5	23305525-03	3+5	23305535-03
	9	23009515-03	9	23009525-03	9	23009535-03
	10	23010515-03	10	23010525-03	10	23010535-03
	12	23012515-03	12	23012525-03	12	23012535-03
	14	23014515-03	14	23014525-03	14	23014535-03
	18	23018515-03	18	23018525-03	18	23018535-03

Specifications													
Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	14AWG		17AWG	18AWG			22AWG	17AWG + 24AWG	22AWG	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°C - 105°C												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40°C)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	5A	5A	2A

MIDDLE SERIES

CHOGORI USA

Middle Series Specifications

Middle Series, Flange Panel Mount

Description

Flange Panel Mount With Male Pin
Push Lock Type, Solder

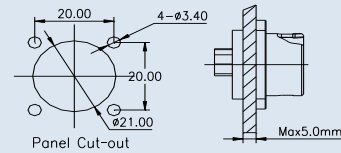
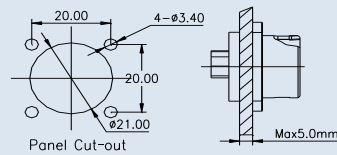
Figure



Flange Panel Mount With Female Pin
Push Lock Type, Solder



Drawing



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

Specifications

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

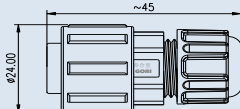
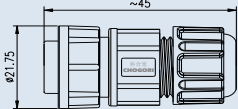
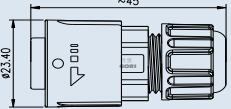
MIDDLE SERIES

CHOGORI USA

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
Figure			

Drawing			
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Part-No.	Screw Type			Lock Bayonet Type			Push Lock Type		
	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
2	2	3.5 - 6.5	23002211-01	2	3.5 - 6.5	23002221-01	2	3.5 - 6.5	23002231-01
		6.5 - 9.5	23002211-02		6.5 - 9.5	23002221-02		6.5 - 9.5	23002231-02
3	3	3.5 - 6.5	23003211-01	3	3.5 - 6.5	23003221-01	3	3.5 - 6.5	23003231-01
		6.5 - 9.5	23003211-02		6.5 - 9.5	23003221-02		6.5 - 9.5	23003231-02
4	4	3.5 - 6.5	23004211-01	4	3.5 - 6.5	23004221-01	4	3.5 - 6.5	23004231-01
		6.5 - 9.5	23004211-02		6.5 - 9.5	23004221-02		6.5 - 9.5	23004231-02
5	5	3.5 - 6.5	23005211-01	5	3.5 - 6.5	23005221-01	5	3.5 - 6.5	23005231-01
		6.5 - 9.5	23005211-02		6.5 - 9.5	23005221-02		6.5 - 9.5	23005231-02
6	6	3.5 - 6.5	23006211-01	6	3.5 - 6.5	23006221-01	6	3.5 - 6.5	23006231-01
		6.5 - 9.5	23006211-02		6.5 - 9.5	23006221-02		6.5 - 9.5	23006231-02
7	7	3.5 - 6.5	23007211-01	7	3.5 - 6.5	23007221-01	7	3.5 - 6.5	23007231-01
		6.5 - 9.5	23007211-02		6.5 - 9.5	23007221-02		6.5 - 9.5	23007231-02
8	8	3.5 - 6.5	23008211-01	8	3.5 - 6.5	23008221-01	8	3.5 - 6.5	23008231-01
		6.5 - 9.5	23008211-02		6.5 - 9.5	23008221-02		6.5 - 9.5	23008231-02
3+5	3+5	3.5 - 6.5	23305211-01	3+5	3.5 - 6.5	23305221-01	3+5	3.5 - 6.5	23305231-01
		6.5 - 9.5	23305211-02		6.5 - 9.5	23305221-02		6.5 - 9.5	23305231-02
9	9	3.5 - 6.5	23009211-01	9	3.5 - 6.5	23009221-01	9	3.5 - 6.5	23009231-01
		6.5 - 9.5	23009211-02		6.5 - 9.5	23009221-02		6.5 - 9.5	23009231-02
10	10	3.5 - 6.5	23010211-01	10	3.5 - 6.5	23010221-01	10	3.5 - 6.5	23010231-01
		6.5 - 9.5	23010211-02		6.5 - 9.5	23010221-02		6.5 - 9.5	23010231-02
12	12	3.5 - 6.5	23012211-01	12	3.5 - 6.5	23012221-01	12	3.5 - 6.5	23012231-01
		6.5 - 9.5	23012211-02		6.5 - 9.5	23012221-02		6.5 - 9.5	23012231-02
14	14	3.5 - 6.5	23014211-01	14	3.5 - 6.5	23014221-01	14	3.5 - 6.5	23014231-01
		6.5 - 9.5	23014211-02		6.5 - 9.5	23014221-02		6.5 - 9.5	23014231-02
18	18	3.5 - 6.5	23018211-01	18	3.5 - 6.5	23018221-01	18	3.5 - 6.5	23018231-01
		6.5 - 9.5	23018211-02		6.5 - 9.5	23018221-02		6.5 - 9.5	23018231-02

Specifications




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

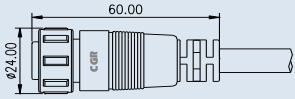
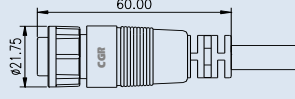
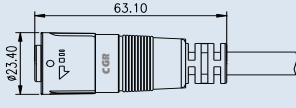
MIDDLE SERIES

CHOGORI USA

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
Figure			

Drawing			
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Part-No.	Screw Type			Lock bayonet Type			Push Lock Type		
	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
	2	Max. 10.8	23002213-01-XXX	2	Max. 10.8	23002223-01-XXX	2	Max. 10.8	23002233-01-XXX
	3	Max. 10.8	23003213-01-XXX	3	Max. 10.8	23003223-01-XXX	3	Max. 10.8	23003233-01-XXX
	4	Max. 10.8	23004213-01-XXX	4	Max. 10.8	23004223-01-XXX	4	Max. 10.8	23004233-01-XXX
	5	Max. 10.8	23005213-01-XXX	5	Max. 10.8	23005223-01-XXX	5	Max. 10.8	23005233-01-XXX
	6	Max. 10.8	23006213-01-XXX	6	Max. 10.8	23006223-01-XXX	6	Max. 10.8	23006233-01-XXX
	7	Max. 10.8	23007213-01-XXX	7	Max. 10.8	23007223-01-XXX	7	Max. 10.8	23007233-01-XXX
	8	Max. 10.8	23008213-01-XXX	8	Max. 10.8	23008223-01-XXX	8	Max. 10.8	23008233-01-XXX
	3+5	Max. 10.8	23305213-01-XXX	3+5	Max. 10.8	23305223-01-XXX	3+5	Max. 10.8	23305233-01-XXX
	9	Max. 10.8	23009213-01-XXX	9	Max. 10.8	23009223-01-XXX	9	Max. 10.8	23009233-01-XXX
	10	Max. 10.8	23010213-01-XXX	10	Max. 10.8	23010223-01-XXX	10	Max. 10.8	23010233-01-XXX
	12	Max. 10.8	23012213-01-XXX	12	Max. 10.8	23012223-01-XXX	12	Max. 10.8	23012233-01-XXX
	14	Max. 10.8	23014213-01-XXX	14	Max. 10.8	23014223-01-XXX	14	Max. 10.8	23014233-01-XXX
	18	Max. 10.8	23018213-01-XXX	18	Max. 10.8	23018223-01-XXX	18	Max. 10.8	23018233-01-XXX




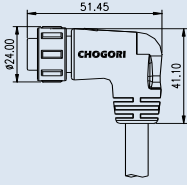
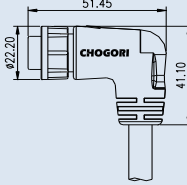
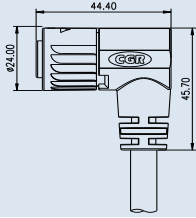
Specifications													
Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	14AWG		17AWG	18AWG		22AWG		17AWG+ 24AWG	22AWG	24AWG			
Cable Range	Max. 10.8mm												
Environmental Protection	IP67												
Mechanical Life	500 mating cycles												
Operating Temperature	- 40°C - 80°C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

MIDDLE SERIES

CHOGORI USA

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																																																																																																																														
Figure																																																																																																																																	
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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. 10.8</td><td>23002214-01-XXX</td></tr> <tr><td>3</td><td>Max. 10.8</td><td>23003214-01-XXX</td></tr> <tr><td>4</td><td>Max. 10.8</td><td>23004214-01-XXX</td></tr> <tr><td>5</td><td>Max. 10.8</td><td>23005214-01-XXX</td></tr> <tr><td>6</td><td>Max. 10.8</td><td>23006214-01-XXX</td></tr> <tr><td>7</td><td>Max. 10.8</td><td>23007214-01-XXX</td></tr> <tr><td>8</td><td>Max. 10.8</td><td>23008214-01-XXX</td></tr> <tr><td>3+5</td><td>Max. 10.8</td><td>23305214-01-XXX</td></tr> <tr><td>9</td><td>Max. 10.8</td><td>23009214-01-XXX</td></tr> <tr><td>10</td><td>Max. 10.8</td><td>23010214-01-XXX</td></tr> <tr><td>12</td><td>Max. 10.8</td><td>23012214-01-XXX</td></tr> <tr><td>14</td><td>Max. 10.8</td><td>23014214-01-XXX</td></tr> <tr><td>18</td><td>Max. 10.8</td><td>23018214-01-XXX</td></tr> </tbody> </table>	Contacts	Cable Range(mm)	Part-Number	2	Max. 10.8	23002214-01-XXX	3	Max. 10.8	23003214-01-XXX	4	Max. 10.8	23004214-01-XXX	5	Max. 10.8	23005214-01-XXX	6	Max. 10.8	23006214-01-XXX	7	Max. 10.8	23007214-01-XXX	8	Max. 10.8	23008214-01-XXX	3+5	Max. 10.8	23305214-01-XXX	9	Max. 10.8	23009214-01-XXX	10	Max. 10.8	23010214-01-XXX	12	Max. 10.8	23012214-01-XXX	14	Max. 10.8	23014214-01-XXX	18	Max. 10.8	23018214-01-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. 10.8</td><td>23002224-01-XXX</td></tr> <tr><td>3</td><td>Max. 10.8</td><td>23003224-01-XXX</td></tr> <tr><td>4</td><td>Max. 10.8</td><td>23004224-01-XXX</td></tr> <tr><td>5</td><td>Max. 10.8</td><td>23005224-01-XXX</td></tr> <tr><td>6</td><td>Max. 10.8</td><td>23006224-01-XXX</td></tr> <tr><td>7</td><td>Max. 10.8</td><td>23007224-01-XXX</td></tr> <tr><td>8</td><td>Max. 10.8</td><td>23008224-01-XXX</td></tr> <tr><td>3+5</td><td>Max. 10.8</td><td>23305224-01-XXX</td></tr> <tr><td>9</td><td>Max. 10.8</td><td>23009224-01-XXX</td></tr> <tr><td>10</td><td>Max. 10.8</td><td>23010224-01-XXX</td></tr> <tr><td>12</td><td>Max. 10.8</td><td>23012224-01-XXX</td></tr> <tr><td>14</td><td>Max. 10.8</td><td>23014224-01-XXX</td></tr> <tr><td>18</td><td>Max. 10.8</td><td>23018224-01-XXX</td></tr> </tbody> </table>	Contacts	Cable Range(mm)	Part-Number	2	Max. 10.8	23002224-01-XXX	3	Max. 10.8	23003224-01-XXX	4	Max. 10.8	23004224-01-XXX	5	Max. 10.8	23005224-01-XXX	6	Max. 10.8	23006224-01-XXX	7	Max. 10.8	23007224-01-XXX	8	Max. 10.8	23008224-01-XXX	3+5	Max. 10.8	23305224-01-XXX	9	Max. 10.8	23009224-01-XXX	10	Max. 10.8	23010224-01-XXX	12	Max. 10.8	23012224-01-XXX	14	Max. 10.8	23014224-01-XXX	18	Max. 10.8	23018224-01-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. 10.8</td><td>23002234-01-XXX</td></tr> <tr><td>3</td><td>Max. 10.8</td><td>23003234-01-XXX</td></tr> <tr><td>4</td><td>Max. 10.8</td><td>23004234-01-XXX</td></tr> <tr><td>5</td><td>Max. 10.8</td><td>23005234-01-XXX</td></tr> <tr><td>6</td><td>Max. 10.8</td><td>23006234-01-XXX</td></tr> <tr><td>7</td><td>Max. 10.8</td><td>23007234-01-XXX</td></tr> <tr><td>8</td><td>Max. 10.8</td><td>23008234-01-XXX</td></tr> <tr><td>3+5</td><td>Max. 10.8</td><td>23305234-01-XXX</td></tr> <tr><td>9</td><td>Max. 10.8</td><td>23009234-01-XXX</td></tr> <tr><td>10</td><td>Max. 10.8</td><td>23010234-01-XXX</td></tr> <tr><td>12</td><td>Max. 10.8</td><td>23012234-01-XXX</td></tr> <tr><td>14</td><td>Max. 10.8</td><td>23014234-01-XXX</td></tr> <tr><td>18</td><td>Max. 10.8</td><td>23018234-01-XXX</td></tr> </tbody> </table>	Contacts	Cable Range(mm)	Part-Number	2	Max. 10.8	23002234-01-XXX	3	Max. 10.8	23003234-01-XXX	4	Max. 10.8	23004234-01-XXX	5	Max. 10.8	23005234-01-XXX	6	Max. 10.8	23006234-01-XXX	7	Max. 10.8	23007234-01-XXX	8	Max. 10.8	23008234-01-XXX	3+5	Max. 10.8	23305234-01-XXX	9	Max. 10.8	23009234-01-XXX	10	Max. 10.8	23010234-01-XXX	12	Max. 10.8	23012234-01-XXX	14	Max. 10.8	23014234-01-XXX	18	Max. 10.8	23018234-01-XXX
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9	Max. 10.8	23009224-01-XXX																																																																																																																															
10	Max. 10.8	23010224-01-XXX																																																																																																																															
12	Max. 10.8	23012224-01-XXX																																																																																																																															
14	Max. 10.8	23014224-01-XXX																																																																																																																															
18	Max. 10.8	23018224-01-XXX																																																																																																																															
Contacts	Cable Range(mm)	Part-Number																																																																																																																															
2	Max. 10.8	23002234-01-XXX																																																																																																																															
3	Max. 10.8	23003234-01-XXX																																																																																																																															
4	Max. 10.8	23004234-01-XXX																																																																																																																															
5	Max. 10.8	23005234-01-XXX																																																																																																																															
6	Max. 10.8	23006234-01-XXX																																																																																																																															
7	Max. 10.8	23007234-01-XXX																																																																																																																															
8	Max. 10.8	23008234-01-XXX																																																																																																																															
3+5	Max. 10.8	23305234-01-XXX																																																																																																																															
9	Max. 10.8	23009234-01-XXX																																																																																																																															
10	Max. 10.8	23010234-01-XXX																																																																																																																															
12	Max. 10.8	23012234-01-XXX																																																																																																																															
14	Max. 10.8	23014234-01-XXX																																																																																																																															
18	Max. 10.8	23018234-01-XXX																																																																																																																															

Specifications

Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	14AWG		17AWG	18AWG		22AWG		17AWG + 24AWG	22AWG	24AWG			
Cable Range	Max. 10.8mm												
Environmental Protection	IP67												
Mechanical Life	500 mating cycles												
Operating Temperature	- 45°C - 105°C												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40°C)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	5A	5A	2A

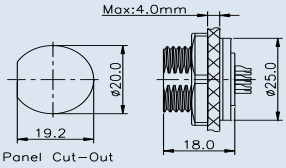
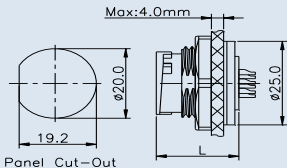
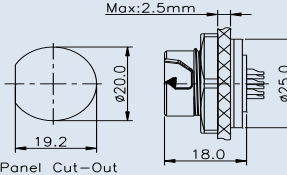
MIDDLE SERIES

CHOGORI USA

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	Front Panel Mount Screw Type, Solder	Front Panel Mount Lock Bayonet Type, Solder	Front Panel Mount Push Lock Type, Solder
		Note: 9.10 positions, L=17.0 other positions, L=18.0 	

Part-No.	Screw Type, Solder		Lock Bayonet Type, Solder		Push Lock Type, Solder	
	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

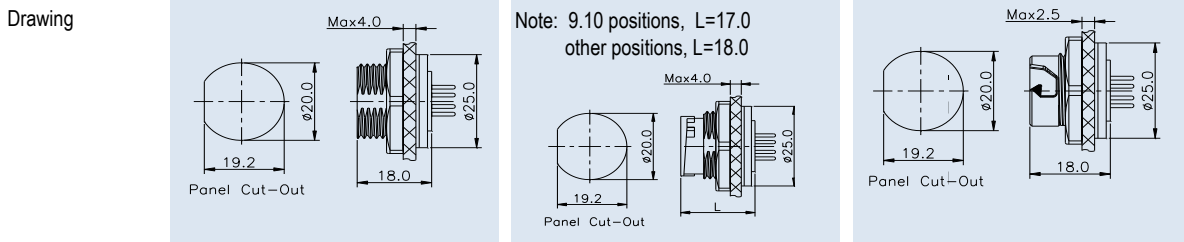
Specifications													
Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	14AWG		17AWG	18AWG		22AWG		17AWG + 24AWG	22AWG	24AWG			
Panel Thickness	Max. 4.0mm					Max. 4.0mm			Max. 2.5mm				
Environmental Protection	IP68					IP67			IP67				
Mechanical Life	500 mating cycles												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

MIDDLE SERIES

CHOGORI USA

Middle Series Specifications

Middle Series, Front Panel Mount & Female Pin



Part-No.	Contacts		Part-Number		Contacts		Part-Number		Contacts		Part-Number	
		2		23002615-02	2		23002625-02	2		23002635-02	2	
	3		23003615-02	3		23003625-02	3		23003635-02	3		23003645-02
	4		23004615-02	4		23004625-02	4		23004635-02	4		23004645-02
	5		23005615-02	5		23005625-02	5		23005635-02	5		23005645-02
	6		23006615-02	6		23006625-02	6		23006635-02	6		23006645-02
	7		23007615-02	7		23007625-02	7		23007635-02	7		23007645-02
	8		23008615-02	8		23008625-02	8		23008635-02	8		23008645-02
	3+5		23305615-02	3+5		23305625-02	3+5		23305635-02	3+5		23305645-02
	9		23009615-02	9		23009625-02	9		23009635-02	9		23009645-02
	10		23010615-02	10		23010625-02	10		23010635-02	10		23010645-02
	12		23012615-02	12		23012625-02	12		23012635-02	12		23012645-02
	14		23014615-02	14		23014625-02	14		23014635-02	14		23014645-02
	18		23018615-02	18		23018625-02	18		23018635-02	18		23018645-02

Specifications

Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	14AWG		17AWG	18AWG		22AWG		17AWG + 24AWG	22AWG	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°C - 105°C												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40°C)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	2A	2A	2A

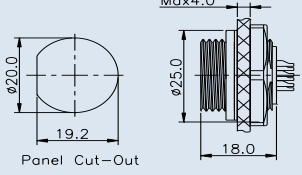
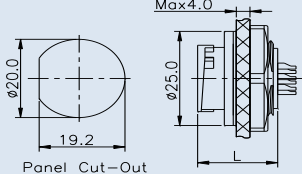
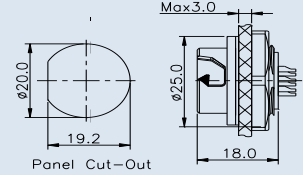
MIDDLE SERIES













CHOGORI USA

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		Note: 9,10 positions, L=17.0 other positions, L=18.0 	
	Panel Cut-Out	Panel Cut-Out	Panel Cut-Out

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

Specifications

Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	14AWG		17AWG	18AWG		22AWG		17AWG + 24AWG	22AWG	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°C - 105°C												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40°C)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	2A	2A	2A

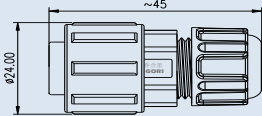
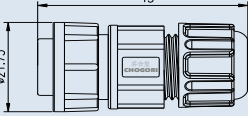
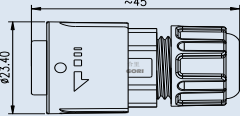
MIDDLE SERIES

CHOGORI USA

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.	Screw Type			Lock Bayonet Type			Push Lock Type		
	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
2	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	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	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	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	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	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	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	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	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	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	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	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	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	14AWG		17AWG	18AWG		22AWG		17AWG + 24AWG	22AWG	24AWG			
Cable Range	3.5mm - 6.5mm, 6.5mm - 9.5mm												
Environmental Protection	IP68				IP67				IP67				
Mechanical Life	500 mating cycles												
Operating Temperature	- 45°C - 105°C												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40°C)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	2A	2A	2A

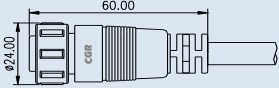
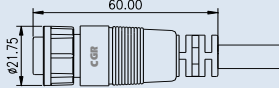
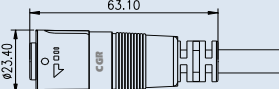
MIDDLE SERIES

CHOGORI USA

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
Figure			

Drawing			
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Part-No.	Screw Type			Lock Bayonet Type			Push Lock Type		
	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
	2	Max. 10.8	23002113-01-XXX	2	Max. 10.8	23002123-01-XXX	2	Max:10.8	23002133-01-XXX
	3	Max. 10.8	23003113-01-XXX	3	Max. 10.8	23003123-01-XXX	3	Max:10.8	23003133-01-XXX
	4	Max. 10.8	23004113-01-XXX	4	Max. 10.8	23004123-01-XXX	4	Max:10.8	23004133-01-XXX
	5	Max. 10.8	23005113-01-XXX	5	Max. 10.8	23005123-01-XXX	5	Max:10.8	23005133-01-XXX
	6	Max. 10.8	23006113-01-XXX	6	Max. 10.8	23006123-01-XXX	6	Max:10.8	23006133-01-XXX
	7	Max. 10.8	23007113-01-XXX	7	Max. 10.8	23007123-01-XXX	7	Max:10.8	23007133-01-XXX
	8	Max. 10.8	23008113-01-XXX	8	Max. 10.8	23008123-01-XXX	8	Max:10.8	23008133-01-XXX
	3+5	Max. 10.8	23305113-01-XXX	3+5	Max. 10.8	23305123-01-XXX	3+5	Max:10.8	23305133-01-XXX
	9	Max. 10.8	23009113-01-XXX	9	Max. 10.8	23009123-01-XXX	9	Max:10.8	23009133-01-XXX
	10	Max. 10.8	23010113-01-XXX	10	Max. 10.8	23010123-01-XXX	10	Max:10.8	23010133-01-XXX
	12	Max. 10.8	23012113-01-XXX	12	Max. 10.8	23012123-01-XXX	12	Max:10.8	23012133-01-XXX
	14	Max. 10.8	23014113-01-XXX	14	Max. 10.8	23014123-01-XXX	14	Max:10.8	23014133-01-XXX
	18	Max. 10.8	23018113-02-XXX	18	Max. 10.8	23018123-02-XXX	18	Max:10.8	23018133-02-XXX

Specifications

Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	14AWG		17AWG	18AWG		22AWG		17AWG + 24AWG	22AWG	24AWG			
Cable Range	Max. 10.8mm												
Environmental Protection	IP67												
Mechanical Life	500 mating cycles												
Operating Temperature	- 40°C - 80°C												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40°C)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	2A	2A	2A

MIDDLE SERIES

CHOGORI USA

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																																																																																																																														
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	14AWG		17AWG	18AWG		22AWG		17AWG + 24AWG	22AWG	24AWG			
Cable Range	Max. 10.8mm												
Environmental Protection	IP67												
Mechanical Life	500 mating cycles												
Operating Temperature	- 40°C - 80°C												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40°C)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	2A	2A	2A

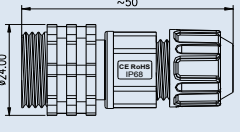
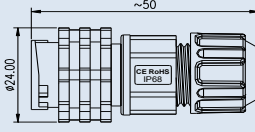
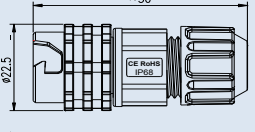
MIDDLE SERIES

CHOGORI USA

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.	Screw Type			Lock bayonet Type			Push Lock Type		
	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
2	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	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	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	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	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	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	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	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	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	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	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	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	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	14AWG		17AWG	18AWG		22AWG		17AWG + 24AWG	22AWG	24AWG			
Cable Range	3.5mm - 6.5mm, 6.5mm - 9.5mm												
Environmental Protection	IP68					IP67				IP67			
Mechanical Life	500 mating cycles												
Operating Temperature	- 45°C - 105°C												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40°C)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	5A	5A	2A

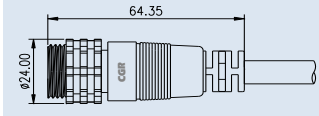
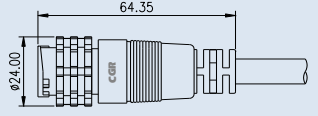
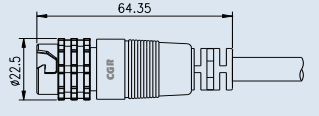
MIDDLE SERIES













CHOGORI USA

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			
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Part-No.	Screw Type			Lock bayonet Type			Push Lock Type		
	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
	2	Max. 10.8	23002313-01-XXX 	2	Max. 10.8	23002323-01-XXX 	2	Max. 10.8	23002333-01-XXX 
	3	Max. 10.8	23003313-01-XXX 	3	Max. 10.8	23003323-01-XXX 	3	Max. 10.8	23003333-01-XXX 
	4	Max. 10.8	23004313-01-XXX	4	Max. 10.8	23004323-01-XXX	4	Max. 10.8	23004333-01-XXX
	5	Max. 10.8	23005313-01-XXX	5	Max. 10.8	23005323-01-XXX	5	Max. 10.8	23005333-01-XXX
	6	Max. 10.8	23006313-01-XXX	6	Max. 10.8	23006323-01-XXX	6	Max. 10.8	23006333-01-XXX
	7	Max. 10.8	23007313-01-XXX 	7	Max. 10.8	23007323-01-XXX 	7	Max. 10.8	23007333-01-XXX 
	8	Max. 10.8	23008313-01-XXX 	8	Max. 10.8	23008323-01-XXX 	8	Max. 10.8	23008333-01-XXX 
	3+5	Max. 10.8	23305313-01-XXX	3+5	Max. 10.8	23305323-01-XXX	3+5	Max. 10.8	23305333-01-XXX
	9	Max. 10.8	23009313-01-XXX	9	Max. 10.8	23009323-01-XXX	9	Max. 10.8	23009333-01-XXX
	10	Max. 10.8	23010313-01-XXX	10	Max. 10.8	23010323-01-XXX	10	Max. 10.8	23010333-01-XXX
	12	Max. 10.8	23012313-01-XXX	12	Max. 10.8	23012323-01-XXX	12	Max. 10.8	23012333-01-XXX
	14	Max. 10.8	23014313-01-XXX	14	Max. 10.8	23014323-01-XXX	14	Max. 10.8	23014333-01-XXX
	18	Max. 10.8	23018313-01-XXX	18	Max. 10.8	23018323-01-XXX	18	Max. 10.8	23018333-01-XXX

Specifications

Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	14AWG		17AWG	18AWG		22AWG		17AWG + 24AWG	22AWG	24AWG			
Cable Range	Max. 10.8mm												
Environmental Protection	IP67												
Mechanical Life	500 mating cycles												
Operating Temperature	- 40°C - 80°C												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40°C)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	5A	5A	2A

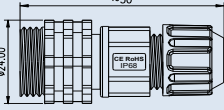
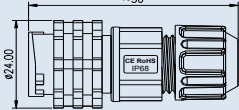
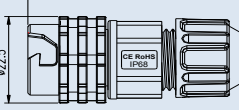
MIDDLE SERIES

CHOGORI USA

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
Figure			

Drawing			
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Part-No.	Screw Type			Lock Bayonet Type			Push Lock Type		
	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
2	2	3.5 - 6.5	23002411-01	2	3.5 - 6.5	23002421-01	2	3.5 - 6.5	23002431-01
		6.5 - 9.5	23002411-02		6.5 - 9.5	23002421-02		6.5 - 9.5	23002431-02
3	3	3.5 - 6.5	23003411-01	3	3.5 - 6.5	23003421-01	3	3.5 - 6.5	23003431-01
		6.5 - 9.5	23003411-02		6.5 - 9.5	23003421-02		6.5 - 9.5	23003431-02
4	4	3.5 - 6.5	23004411-01	4	3.5 - 6.5	23004421-01	4	3.5 - 6.5	23004431-01
		6.5 - 9.5	23004411-02		6.5 - 9.5	23004421-02		6.5 - 9.5	23004431-02
5	5	3.5 - 6.5	23005411-01	5	3.5 - 6.5	23005421-01	5	3.5 - 6.5	23005431-01
		6.5 - 9.5	23005411-02		6.5 - 9.5	23005421-02		6.5 - 9.5	23005431-02
6	6	3.5 - 6.5	23006411-01	6	3.5 - 6.5	23006421-01	6	3.5 - 6.5	23006431-01
		6.5 - 9.5	23006411-02		6.5 - 9.5	23006421-02		6.5 - 9.5	23006431-02
7	7	3.5 - 6.5	23007411-01	7	3.5 - 6.5	23007421-01	7	3.5 - 6.5	23007431-01
		6.5 - 9.5	23007411-02		6.5 - 9.5	23007421-02		6.5 - 9.5	23007431-02
8	8	3.5 - 6.5	23008411-01	8	3.5 - 6.5	23008421-01	8	3.5 - 6.5	23008431-01
		6.5 - 9.5	23008411-02		6.5 - 9.5	23008421-02		6.5 - 9.5	23008431-02
3+5	3+5	3.5 - 6.5	23305411-01	3+5	3.5 - 6.5	23305421-01	3+5	3.5 - 6.5	23305431-01
		6.5 - 9.5	23305411-02		6.5 - 9.5	23305421-02		6.5 - 9.5	23305431-02
9	9	3.5 - 6.5	23009411-01	9	3.5 - 6.5	23009421-01	9	3.5 - 6.5	23009431-01
		6.5 - 9.5	23009411-02		6.5 - 9.5	23009421-02		6.5 - 9.5	23009431-02
10	10	3.5 - 6.5	23010411-01	10	3.5 - 6.5	23010421-01	10	3.5 - 6.5	23010431-01
		6.5 - 9.5	23010411-02		6.5 - 9.5	23010421-02		6.5 - 9.5	23010431-02
12	12	3.5 - 6.5	23012411-01	12	3.5 - 6.5	23012421-01	12	3.5 - 6.5	23012431-01
		6.5 - 9.5	23012411-02		6.5 - 9.5	23012421-02		6.5 - 9.5	23012431-02
14	14	3.5 - 6.5	23014411-01	14	3.5 - 6.5	23014421-01	14	3.5 - 6.5	23014431-01
		6.5 - 9.5	23014411-02		6.5 - 9.5	23014421-02		6.5 - 9.5	23014431-02
18	18	3.5 - 6.5	23018411-01	18	3.5 - 6.5	23018421-01	18	3.5 - 6.5	23018431-01
		6.5 - 9.5	23018411-02		6.5 - 9.5	23018421-02		6.5 - 9.5	23018431-02

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

MIDDLE SERIES

CHOGORI USA

Middle Series Specifications

Middle Series, Female Connector & Female Pin

Description

Molded, 180°
Screw Type, Solder

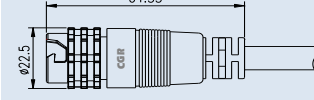
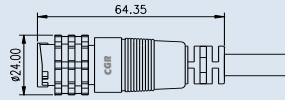
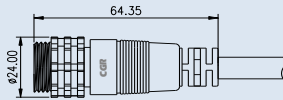
Molded, 180°
Lock Bayonet Type, Solder

Molded, 180°
Push Lock Type, Solder

Figure



Drawing



Part-No.

Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
2	Max. 10.8	23002413-01-XXX	2	Max. 10.8	23002423-01-XXX	2	Max. 10.8	23002433-01-XXX
3	Max. 10.8	23003413-01-XXX	3	Max. 10.8	23003423-01-XXX	3	Max. 10.8	23003433-01-XXX
4	Max. 10.8	23004413-01-XXX	4	Max. 10.8	23004423-01-XXX	4	Max. 10.8	23004433-01-XXX
5	Max. 10.8	23005413-01-XXX	5	Max. 10.8	23005423-01-XXX	5	Max. 10.8	23005433-01-XXX
6	Max. 10.8	23006413-01-XXX	6	Max. 10.8	23006423-01-XXX	6	Max. 10.8	23006433-01-XXX
7	Max. 10.8	23007413-01-XXX	7	Max. 10.8	23007423-01-XXX	7	Max. 10.8	23007433-01-XXX
8	Max. 10.8	23008413-01-XXX	8	Max. 10.8	23008423-01-XXX	8	Max. 10.8	23008433-01-XXX
3+5	Max. 10.8	23305413-01-XXX	3+5	Max. 10.8	23305423-01-XXX	3+5	Max. 10.8	23305433-01-XXX
9	Max. 10.8	23009413-01-XXX	9	Max. 10.8	23009423-01-XXX	9	Max. 10.8	23009433-01-XXX
10	Max. 10.8	23010413-01-XXX	10	Max. 10.8	23010423-01-XXX	10	Max. 10.8	23010433-01-XXX
12	Max. 10.8	23012413-01-XXX	12	Max. 10.8	23012423-01-XXX	12	Max. 10.8	23012433-01-XXX
14	Max. 10.8	23014413-01-XXX	14	Max. 10.8	23014423-01-XXX	14	Max. 10.8	23014433-01-XXX
18	Max. 10.8	23018413-01-XXX	18	Max. 10.8	23018423-01-XXX	18	Max. 10.8	23018433-01-XXX

Specifications

Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	14AWG		17AWG	18AWG		22AWG		17AWG+ 24AWG	22AWG	24AWG			
Cable Range	Max. 10.8mm												
Environmental Protection	IP67												
Mechanical Life	500 mating cycles												
Operating Temperature	- 40°C - 80°C												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40°C)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	2A	2A	2A

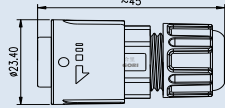
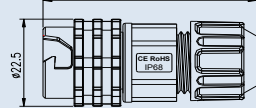
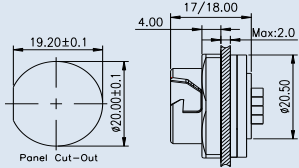
MIDDLE SERIES

CHOGORI USA

Middle Series Specifications

Middle Series , Metal system

Description	Field Installable, 180° Push Lock Type,Solder	Field Installable, 180° Push Lock Type,Solder	Front Panel Mount Push Lock Type,Solder
Figure			

Drawing			
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Part-No.	Contacts			Contacts			Contacts	
	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number	Contacts	Part-Number
	2	3.5 - 6.5	23002231-81	2	3.5 - 6.5	23002331-81	2	23002535-81
		6.5 - 9.5	23002231-82		6.5 - 9.5	23002331-82		
	3	3.5 - 6.5	23003231-81	3	3.5 - 6.5	23003331-81	3	23003535-81
		6.5 - 9.5	23003231-82		6.5 - 9.5	23003331-82		
	4	3.5 - 6.5	23004231-81	4	3.5 - 6.5	23004331-81	4	23004535-81
		6.5 - 9.5	23004231-82		6.5 - 9.5	23004331-82		
	5	3.5 - 6.5	23005231-81	5	3.5 - 6.5	23005331-81	5	23005535-81
		6.5 - 9.5	23005231-82		6.5 - 9.5	23005331-82		
	6	3.5 - 6.5	23006231-81	6	3.5 - 6.5	23006331-81	6	23006535-81
		6.5 - 9.5	23006231-82		6.5 - 9.5	23006331-82		
	7	3.5 - 6.5	23007231-81	7	3.5 - 6.5	23007331-81	7	23007535-81
		6.5 - 9.5	23007231-82		6.5 - 9.5	23007331-82		
	8	3.5 - 6.5	23008231-81	8	3.5 - 6.5	23008331-81	8	23008535-81
		6.5 - 9.5	23008231-82		6.5 - 9.5	23008331-82		
	3+5	3.5 - 6.5	23305231-81	3+5	3.5 - 6.5	23305331-81	3+5	23305535-81
		6.5 - 9.5	23305231-82		6.5 - 9.5	23305331-82		
	9	3.5 - 6.5	23009231-81	9	3.5 - 6.5	23009331-81	9	23009535-81
		6.5 - 9.5	23009231-82		6.5 - 9.5	23009331-82		
	10	3.5 - 6.5	23010231-81	10	3.5 - 6.5	23010331-81	10	23010535-81
		6.5 - 9.5	23010231-82		6.5 - 9.5	23010331-82		
	12	3.5 - 6.5	23012231-81	12	3.5 - 6.5	23012331-81	12	23012535-81
		6.5 - 9.5	23012231-82		6.5 - 9.5	23012331-82		
	14	3.5 - 6.5	23014231-81	14	3.5 - 6.5	23014331-81	14	23014535-81
		6.5 - 9.5	23014231-82		6.5 - 9.5	23014331-82		
	18	3.5 - 6.5	23018231-81	18	3.5 - 6.5	23018331-81	18	23018535-81
		6.5 - 9.5	23018231-82		6.5 - 9.5	23018331-82		

Specifications													
Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	14AWG		17AWG	18AWG		22AWG		17AWG + 24AWG	22AWG	24AWG			
Cable Range / Panel Thickness	3.5mm - 6.5mm, 6.5mm - 9.5mm									Panel Thickness Max. 2.0mm			
Environmental Protection	IP67					IP67				IP67			
Mechanical Life	500 mating cycles												
Operating Temperature	- 45°C - 105°C												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40°C)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	5A	5A	2A

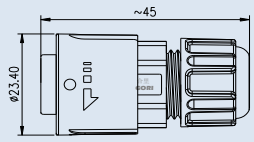
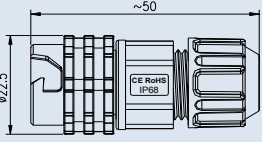
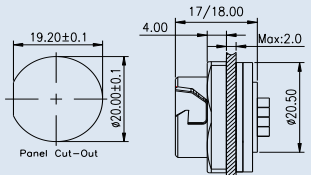
MIDDLE SERIES

CHOGORI USA

Middle Series Specifications

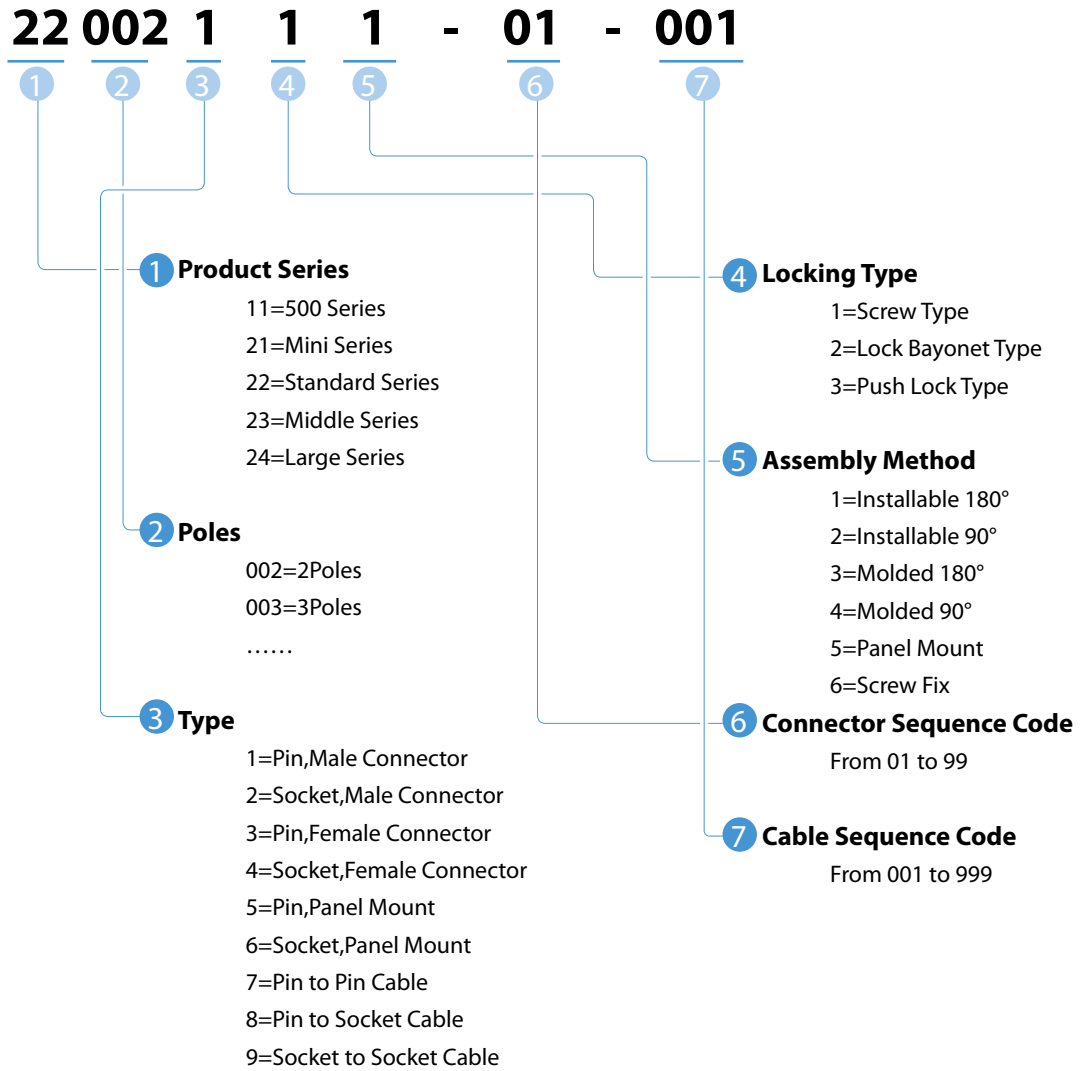
Middle Series, Metal system

Description	Field Installable, 180° Push Lock Type, Solder	Field Installable, 180° Push Lock Type, Solder	Front Panel Mount Push Lock Type, Solder
Figure			

Drawing			
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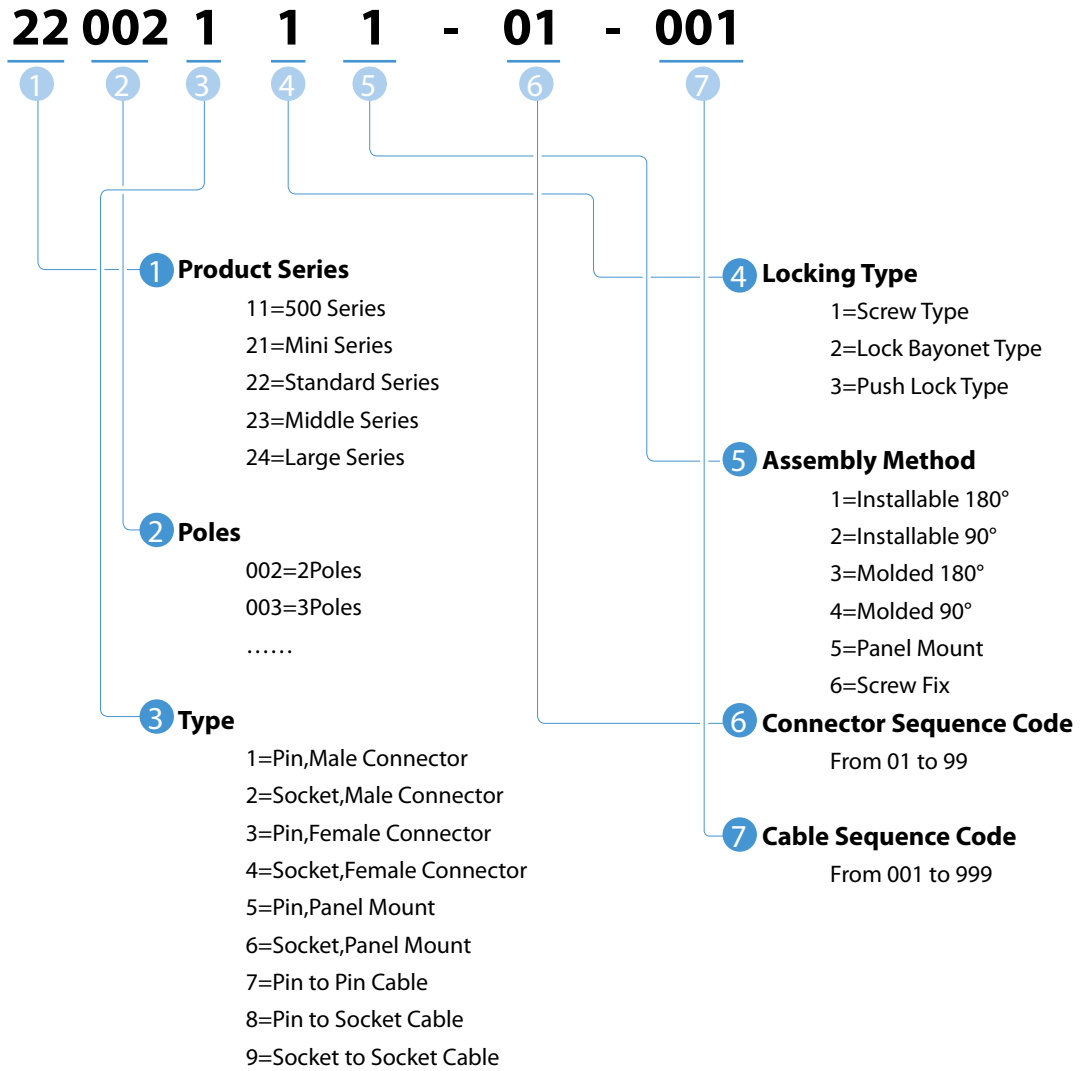
Part-No.	Contacts			Cable Range(mm)			Part-Number		
		2	3	4	3.5 - 6.5	6.5 - 9.5	23002131-81	23002131-82	
	3	4	5	3.5 - 6.5	6.5 - 9.5	23003131-81	23003131-82		
	4	5	6	3.5 - 6.5	6.5 - 9.5	23004131-81	23004131-82		
	5	6	7	3.5 - 6.5	6.5 - 9.5	23005131-81	23005131-82		
	6	7	8	3.5 - 6.5	6.5 - 9.5	23006131-81	23006131-82		
	7	8	9	3.5 - 6.5	6.5 - 9.5	23007131-81	23007131-82		
	8	9	10	3.5 - 6.5	6.5 - 9.5	23008131-81	23008131-82		
	9	10	12	3.5 - 6.5	6.5 - 9.5	23009131-81	23009131-82		
	10	12	14	3.5 - 6.5	6.5 - 9.5	23010131-81	23010131-82		
	12	14	18	3.5 - 6.5	6.5 - 9.5	23012131-81	23012131-82		
	3+5	4	5	3.5 - 6.5	6.5 - 9.5	23305131-81	23305131-82		
	4	5	6	3.5 - 6.5	6.5 - 9.5	23009431-81	23009431-82		
	5	6	7	3.5 - 6.5	6.5 - 9.5	23009431-81	23009431-82		
	6	7	8	3.5 - 6.5	6.5 - 9.5	23010431-81	23010431-82		
	7	8	9	3.5 - 6.5	6.5 - 9.5	23010431-81	23010431-82		
	8	9	10	3.5 - 6.5	6.5 - 9.5	23012431-81	23012431-82		
	9	10	12	3.5 - 6.5	6.5 - 9.5	23012431-81	23012431-82		
	10	12	14	3.5 - 6.5	6.5 - 9.5	23014431-81	23014431-82		
	12	14	18	3.5 - 6.5	6.5 - 9.5	23014431-81	23014431-82		
	14	18	18	3.5 - 6.5	6.5 - 9.5	23018431-81	23018431-82		
	18	18	18	3.5 - 6.5	6.5 - 9.5	23018431-81	23018431-82		

Specifications													
Number of Contacts	2	3	4	5	6	7	8	3+5	9	10	12	14	18
Wire Gauge	14AWG		17AWG	18AWG		22AWG		17AWG + 24AWG	22AWG	24AWG			
Cable Range / Panel Thickness	3.5mm - 6.5mm, 6.5mm - 9.5mm								Panel Thickness Max. 2.0mm				
Environmental Protection	IP67				IP67				IP67				
Mechanical Life	500 mating cycles												
Operating Temperature	- 45°C - 105°C												
Voltage Rating	300V	300V	300V	125V	125V	60V	60V	125+30V	60V	30V	30V	30V	30V
Rated Current(40°C)	20A	20A	15A	10A	10A	5A	5A	15A+2A	5A	5A	2A	2A	2A



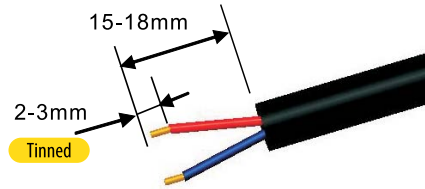
1. Large Series, Assembly InstrucionP73
2. Large Series, Panel Mount & Male PinP74 - P76
3. Large Series, Male Connector & Female PinP77 - P78
4. Large Series, Panel Mount & Female PinP79 - P81
5. Large Series, Male Connector & Male PinP82 - P83
6. Large Series, Female Connector & Male PinP84 - P85
7. Large Series, Female Connector & Female PinP86 - P87
8. Large Series, Metal System Push Lock TypeP88 - P89



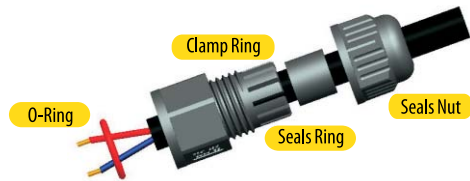


CHOGORI USA

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.





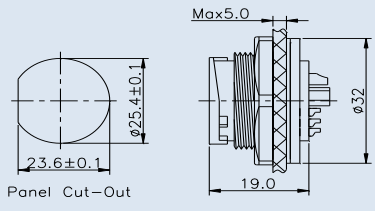
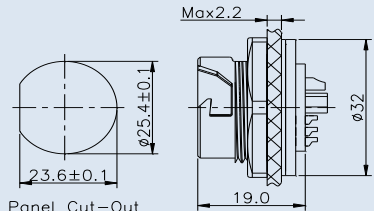
LARGE SERIES


CHOGORI USA

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>
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Part-No.	Black Connector		Yellow Connector	
	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	12AWG		8AWG	18AWG	22AWG		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	

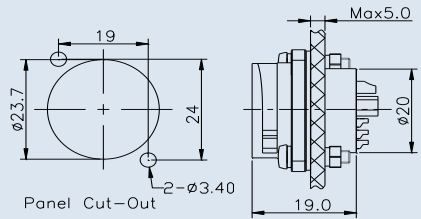
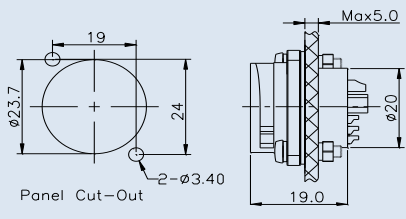
LARGE SERIES







CHOGORI USA

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	12AWG		8AWG	18AWG	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

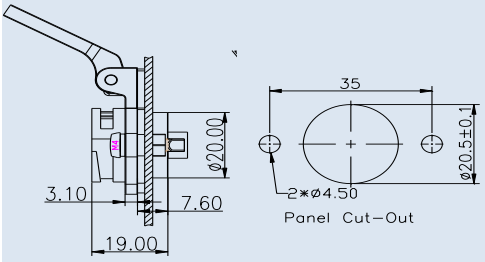
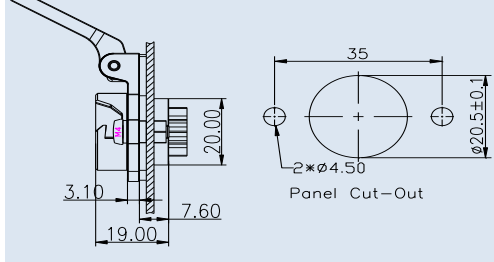
LARGE SERIES







CHOGORI USA

Large Series Specifications

Large Series, Panel Mount & Male Pin

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

Drawing		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	12AWG		8AWG	18AWG	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

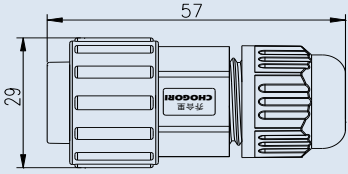
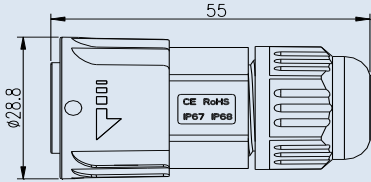
LARGE SERIES













CHOGORI USA

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.	Male Connector			Female Connector		
	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	12AWG		8AWG	18AWG	22AWG		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

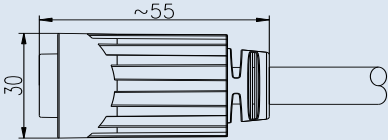
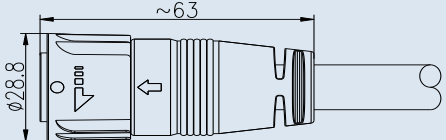
LARGE SERIES







CHOGORI USA

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 (Bayonet Lock)			Female Pin (Push Lock)		
	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	12AWG		8AWG	18AWG	22AWG		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

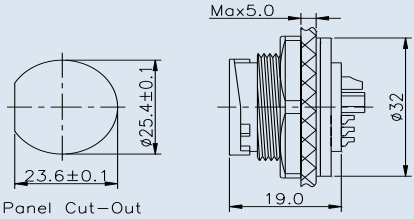
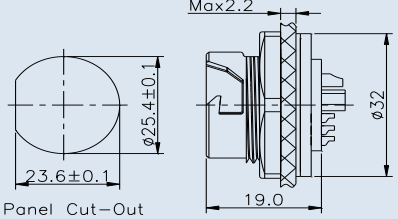
LARGE SERIES



CHOGORI USA

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	 <p>Panel Cut-Out</p>	 <p>Panel Cut-Out</p>
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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	12AWG		8AWG	18AWG	22AWG	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 USA

Large Series Specifications

Large Series, Panel Mount & Female Pin

Description

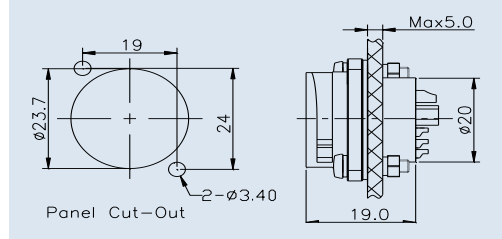
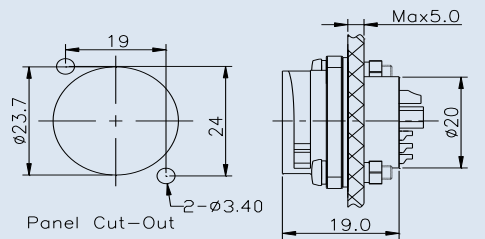
Square Panel Mount
Lock Bayonet Type, Solder

Square Panel Mount
Push Lock Type, Solder

Figure



Drawing



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

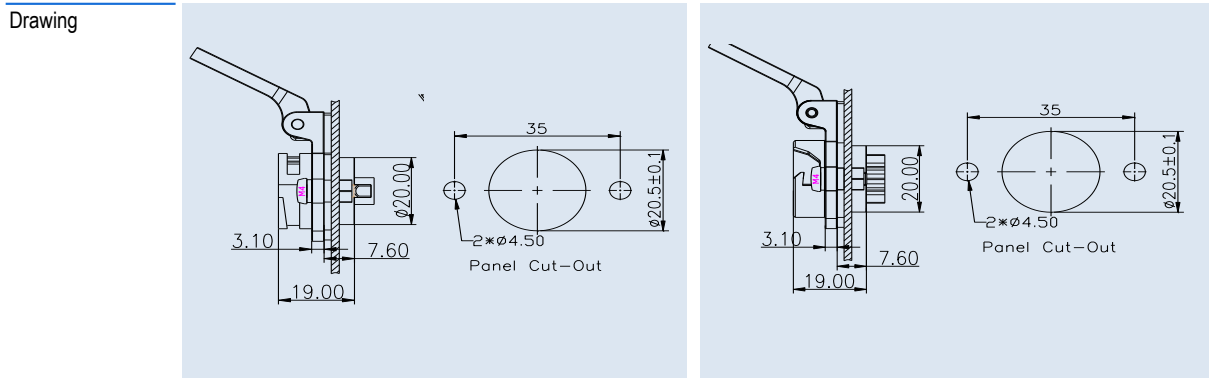
Number of Contacts	2	3	3	9	3+9
Wire Gauge	12AWG		8AWG	18AWG	12AWG+24AWG
Panel Thickness	Max. 5.0mm				Max. 5.0mm
Environmental Protection	IP67				
Mechanical Life	500 mating cycles				
Operating Temperature	- 45°C - 105°C				
Voltage Rating	300V	300V	300V	125V	300V
Rated Current (40°C)	20A	20A	50A	5A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







LARGE SERIES

CHOGORI USA

Large Series Specifications

Large Series, Panel Mount & Female Pin



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	12AWG		8AWG	18AWG	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

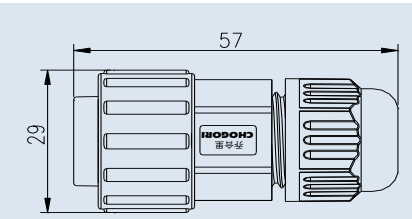
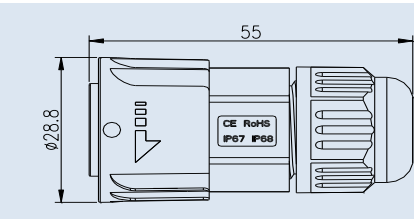
LARGE SERIES













CHOGORI USA

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	12AWG		8AWG	18AWG	22AWG	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 USA

Large Series Specifications

Large Series, Male connector & Male Pin

Description

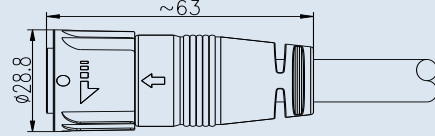
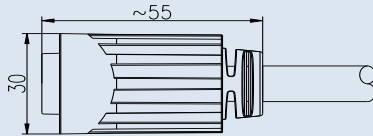
Molded with Cable, 180°
Lock Bayonet Type, Solder

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

Number of Contacts	2	3	3	9	18	3+9	3+11
Wire Gauge	12AWG		8AWG	18AWG	22AWG	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

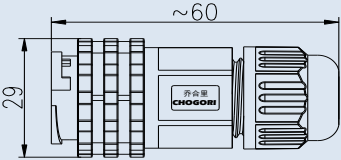
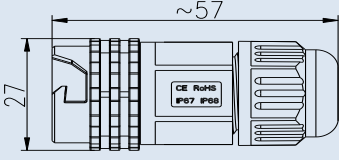
LARGE SERIES













CHOGORI USA

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	12AWG		8AWG	18AWG	22AWG	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

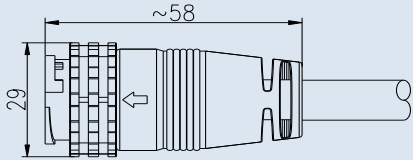
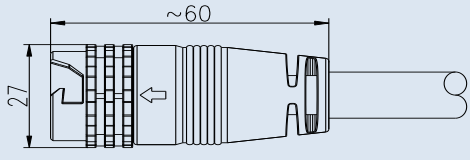
LARGE SERIES

CHOGORI USA

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	12AWG		8AWG	18AWG	22AWG	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

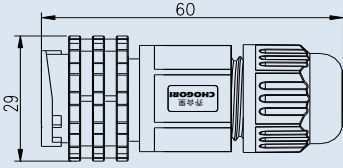
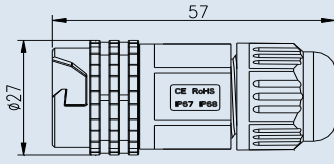
LARGE SERIES













CHOGORI USA

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 Type			Push Lock Type		
	Contacts	Cable Range(mm)	Part Number	Contacts	Cable Range(mm)	Part Number
2	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)	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)	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	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	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)	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)	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

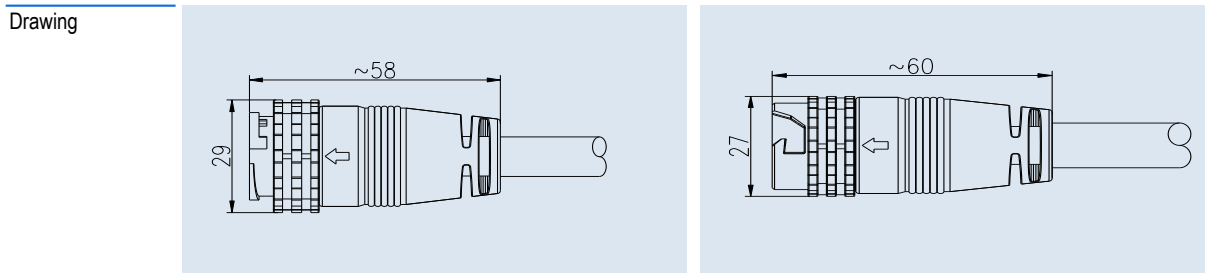
Number of Contacts	2	3	3	9	18	3+9	3+11
Wire Gauge	12AWG		8AWG	18AWG	22AWG	12AWG+24AWG	
Cable Range	4.5mm - 6.5mm, 6.5mm - 10.5mm						
Environmental Protection	IP67						
Mechanical Life	500 mating cycles						
Operating Temperature	- 45°C - 105°C						
Voltage Rating	300V	300V	300V	125V	125V	300V	300V
Rated Current (40°C)	20A	20A	50A	5A	5A	20A+5A	20A+5A







LARGE SERIES

CHOGORI USA

Large Series Specifications

Large Series, Female connector & Female Pin



Part-No.	Bayonet Lock Connector			Push Lock Connector		
	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	12AWG		8AWG	18AWG	22AWG	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 USA

Large Series Specifications

Large Series, Metal System Push Lock Type

Description

Field Installable, 180°
Male connector with female pin

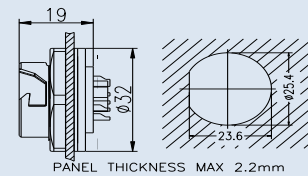
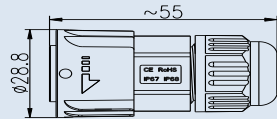
Field Installable, 180°
Female connector with male pin

Front Panel Mount
with Male Pin

Figure



Drawing



Part-No.

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	12AWG)		8AWG	18AWG	22AWG	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

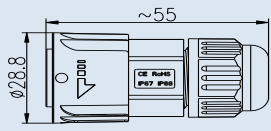
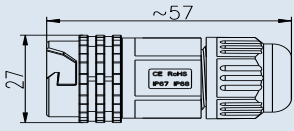
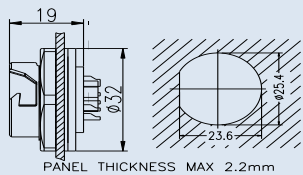
LARGE SERIES

CHOGORI USA

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			
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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	12AWG)		8AWG	18AWG	22AWG	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

CHOGORI®

Waterproof Connectors




I/O SERIES

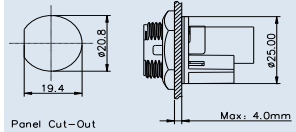
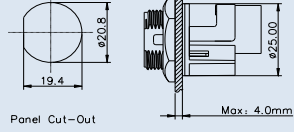
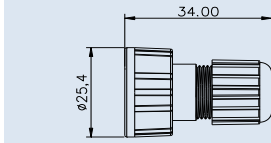


RJ45 SERIES

CHOGORI USA

RJ45 Series Specifications

Description	Panel Front Mount, 180° Screw Type, Jack	Panel Front Mount, 90° Screw Type, Jack	RJ45 Plug Screw Type, Field Installable
Figure			

Drawing			
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Part Number	Contacts	Part Number	Contacts	Part Number	Contacts	Part Number
		8	33000000-01	8	33000000-02	0




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

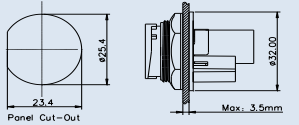
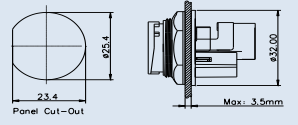
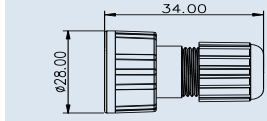
RJ45 SERIES

CHOGORI USA

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



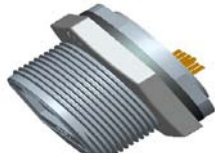
Specifications						
Number of Contacts	8			0		
Wire Gauge	24AWG					
Panel Thickness	Max. 4.0mm	Max. 4.0mm	Cable Range: 4.0mm - 7.0mm			
Environmental Protection	IP67		IP67			
Mechanical Life	500 mating cycles					
Operating Temperature	- 40°C - 85°C					

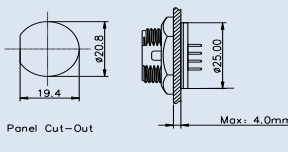
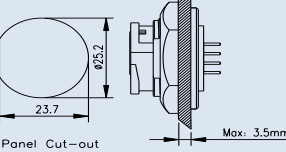
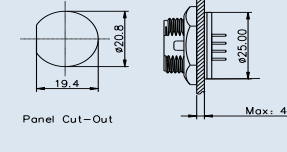
RJ45 SERIES

CHOGORI USA

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	0	33000000-09

Specifications




Number of Contacts	8		0
Wire Gauge	24AWG		
Panel Thickness	Max. 4.0mm	Max. 4.0mm	Max. 4.0mm
Environmental Protection	IP67	IP67	IP67
Mechanical Life	500 mating cycles		
Operating Temperature	- 40°C - 85°C		

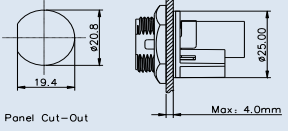
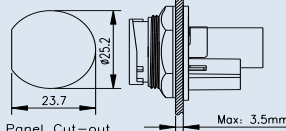
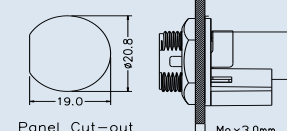
RJ45 SERIES

CHOGORI USA

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	<table border="1"> <thead> <tr> <th>Contacts</th> <th>Part Number</th> </tr> </thead> <tbody> <tr> <td>8</td> <td>33000000-10</td> </tr> </tbody> </table>	Contacts	Part Number	8	33000000-10	<table border="1"> <thead> <tr> <th>Contacts</th> <th>Part Number</th> </tr> </thead> <tbody> <tr> <td>8</td> <td>33000000-11</td> </tr> </tbody> </table>	Contacts	Part Number	8	33000000-11	<table border="1"> <thead> <tr> <th>Contacts</th> <th>Part Number</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>33000000-12</td> </tr> </tbody> </table>	Contacts	Part Number	0	33000000-12
Contacts	Part Number														
8	33000000-10														
Contacts	Part Number														
8	33000000-11														
Contacts	Part Number														
0	33000000-12														

Specifications




Number of Contacts	8		0
Wire Gauge	24AWG		
Panel Thickness	Max. 4.0mm	Max. 4.0mm	Max. 4.0mm
Environmental Protection	IP67	IP67	IP67
Mechanical Life	500 mating cycles		
Operating Temperature	- 40°C - 85°C		

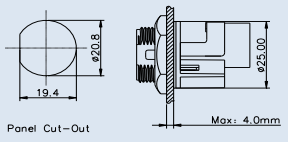
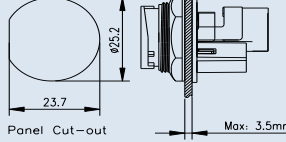
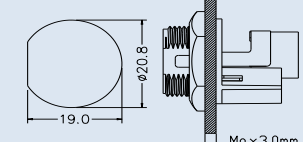
RJ45 SERIES

CHOGORI USA

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	 <p>Panel Cut-Out Max: 4.0mm</p>	 <p>Panel Cut-out Max: 3.5mm</p>	 <p>Panel Cut-out Max: 3.0mm</p>
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Part Number	<table border="1"> <tr> <th>Contacts</th> <th>Part Number</th> </tr> <tr> <td>8</td> <td>33000000-13</td> </tr> </table>	Contacts	Part Number	8	33000000-13	<table border="1"> <tr> <th>Contacts</th> <th>Part Number</th> </tr> <tr> <td>8</td> <td>33000000-14</td> </tr> </table>	Contacts	Part Number	8	33000000-14	<table border="1"> <tr> <th>Contacts</th> <th>Part Number</th> </tr> <tr> <td>0</td> <td>33000000-15</td> </tr> </table>	Contacts	Part Number	0	33000000-15
	Contacts	Part Number													
8	33000000-13														
Contacts	Part Number														
8	33000000-14														
Contacts	Part Number														
0	33000000-15														

Specifications

Number of Contacts	8		0
Wire Gauge	24AWG		
Panel Thickness	Max. 4.0mm	Max. 4.0mm	Max. 4.0mm
Environmental Protection	IP67	IP67	IP67
Mechanical Life	500 mating cycles		
Operating Temperature	- 40°C - 85°C		

USB SERIES

CHOGORI USA

USB Series Specifications

USB Series, Male Connector

Description

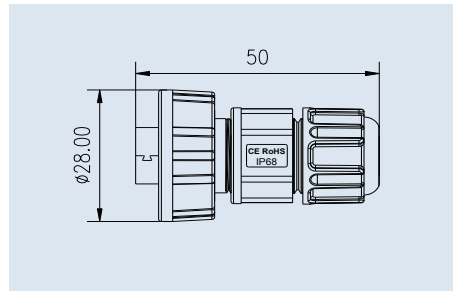
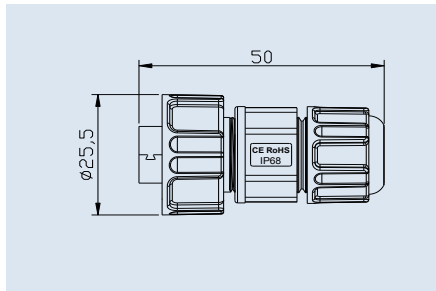
Field Installable, 180°
Screw Type, Solder

Field Installable, 180°
Lock Bayonet Type, Solder

Figure



Drawing





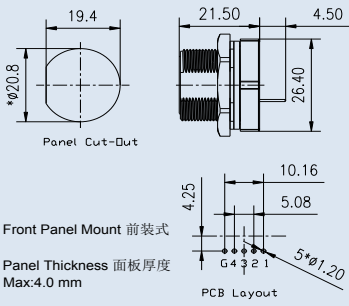
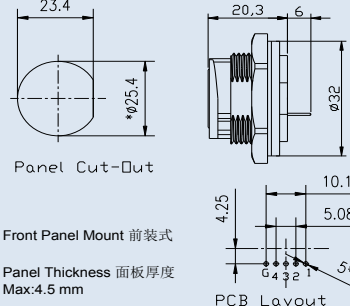
Part Number

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	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, Panel Mount

Description	Panel Front Mount, Screw Type, PCB		Panel Front Mount, Push Lock Type, PCB	
Figure				
Drawing				
Part Number	Contacts	Part Number	Contacts	Part Number
	4	34000000-03	4	34000000-04

Specifications

Number of Contacts	4	
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	

USB SERIES

CHOGORI USA

USB Series Specifications

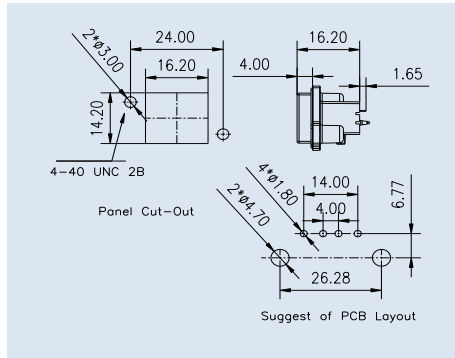
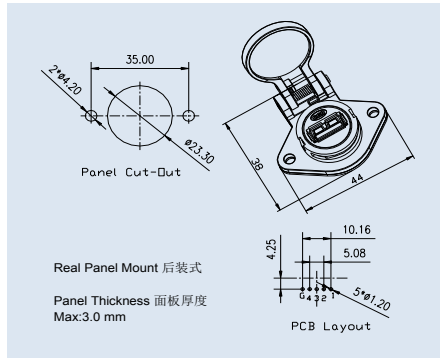
USB Series, Panel Mount

Description

Figure



Drawing



Part Number

Contacts	Part Number	Contacts	Part Number
4	34000000-05	4	34000000-06

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	

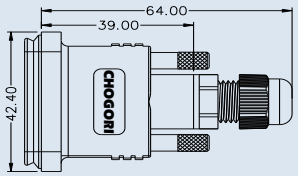
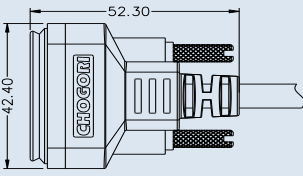
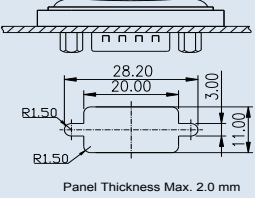
D-SUB SERIES

CHOGORI USA

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			
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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)
	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		24AWG
Cable Range/Panel Thickness	4.5mm - 6.5mm	4.5mm - 8.0mm	Max. 2.0mm
Environmental Protection	IP67		
Mechanical Life	500 mating cycles		
Operating Temperature	- 45°C - 105°C		
Voltage Rating	90V		90V
Rated Current (40°C)	5A		2A

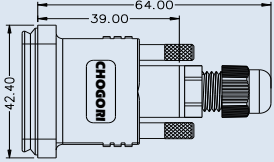
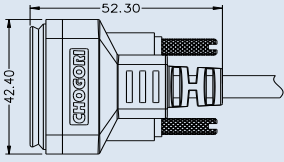
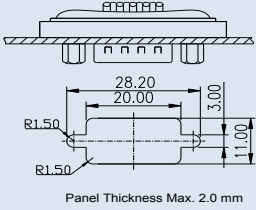
D-SUB SERIES

CHOGORI USA

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	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		24AWG
Cable Range/Panel Thickness	4.5mm - 6.5mm	4.5mm - 8.0mm	Max. 2.0mm
Environmental Protection	IP67		
Mechanical Life	500 mating cycles		
Operating Temperature	- 45°C - 105°C		
Voltage Rating	90V		90V
Rated Current (40°C)	5A		2A

T ADAPTER SERIES

CHOGORI USA

T Adaptor Series Specifications

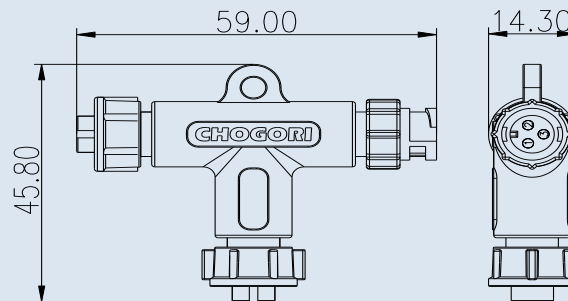
Mini Series

Description Lock Type/Screw Type T Adaptor

Figure



Drawing



Part-No.

Part Number

42000000-01

Specifications

Wire Gauge	20AWG
Environmental Protection	IP67
Mechanical Life	500 mating cycles
Operating Temperature	- 45°C - 105°C

T ADAPTER SERIES

CHOGORI USA

T Adaptor Series Specifications

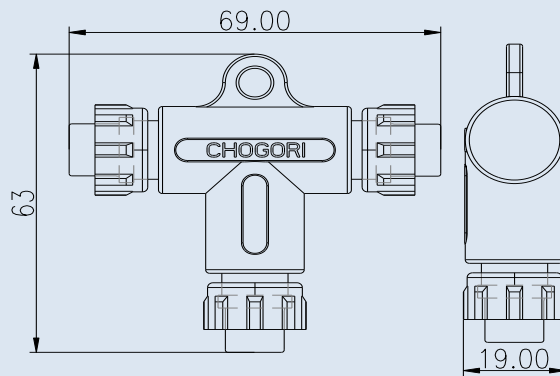
Standard Series

Description Lock Type/Screw Type T Adaptor

Figure



Drawing



Part-No.

Part Number

42000000-02

Specifications

Wire Gauge	18AWG
Environmental Protection	IP67
Mechanical Life	500 mating cycles
Operating Temperature	- 45°C - 105°C

T ADAPTER SERIES

CHOGORI USA

T Adaptor Series Specifications

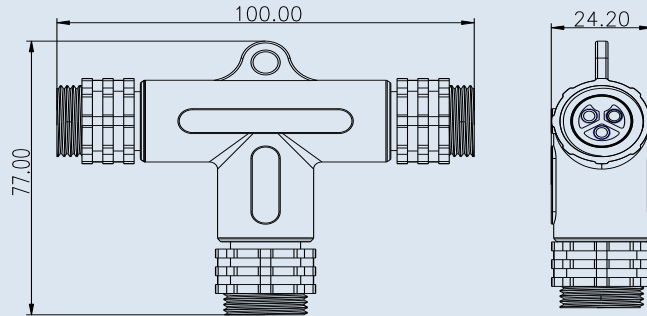
Middle Series

Description Lock Type/Screw Type T Adaptor

Figure



Drawing



Part-No.

Part Number

42000000-03

Specifications

Wire Gauge	16AWG
Environmental Protection	IP67
Mechanical Life	500 mating cycles
Operating Temperature	- 45°C - 105°C

SPLITTER SERIES

CHOGORI USA

Series Specifications

Splitter Series

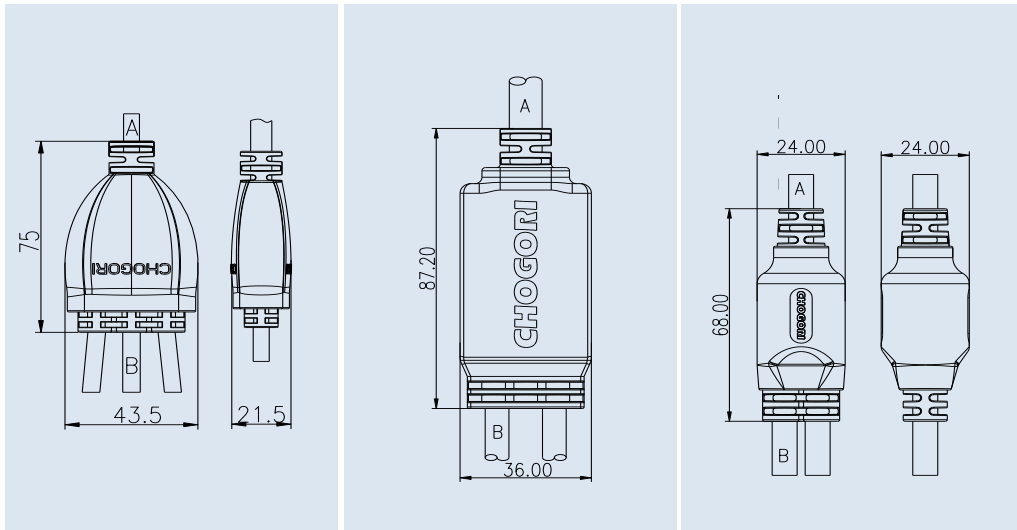
Description

Molded with Cable

Figure



Drawing



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

Specifications			
Wire Gauge	18AWG	18AWG	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°C - 105°C		

HDMI SERIES

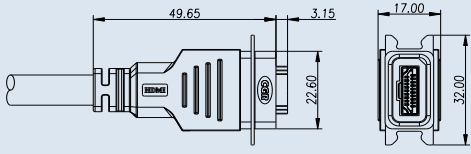
CHOGORI USA

HDMI Series Specifications

HDMI Series , Male Connector & Male Pin

Description Field Installable, 180° Lock Type, Solder

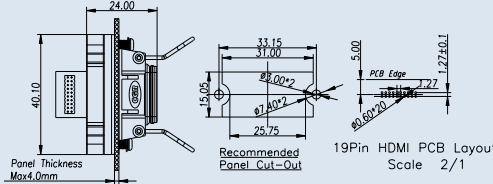
Figure 

Drawing 

HDMI Series , Front Panel Mount & Female Pin

Front Panel Lock Type, Solder



Drawing 

Part-No.	Contacts	Part-Number	Contacts	Part-Number
		19	32000000-01	19

Specifications

Number of Contacts	19
Wire Gauge	26AWG - 32AWG
Cable Range	5.5mm - 9.5mm
Environmental Protection	IP67
Mechanical Life	10000 mating cycles
Operating Temperature	- 40°C - 85°C
Contact Resistance	30mΩ
Voltage Rating	40V
Rated Current(40°C)	0.5A