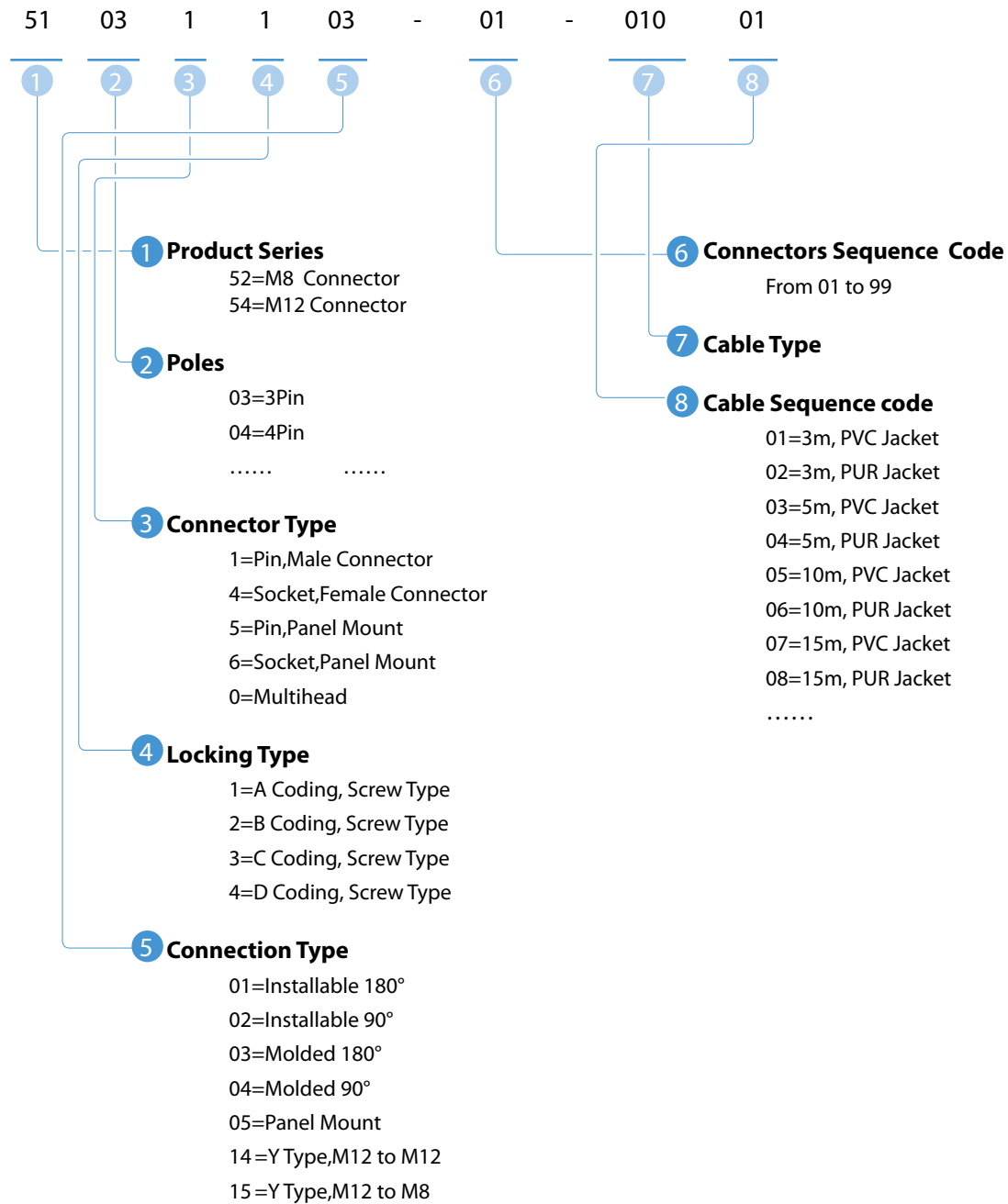


# M8&M12 CONN Series

1. M8 Series, Panel Mount ..... P109
2. M8 Series, Field Installable ..... P110 - P111
3. M8 Series, Molded with Cable ..... P112 - P113
4. Y Couple ..... P114 - P115
5. M12 Series, Panel Mount & Male Pin ..... P116
6. M12 Series, Field Installable & Female Pin ..... P117
7. M12 Series, Molded with Cable & Female Pin ..... P118
8. M12 Series, Panel Mount & Female Pin ..... P119
9. M12 Series, Field Installable & Male Pin ..... P120
10. M12 Series, Molded with Cable & Male Pin ..... P121





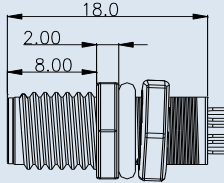
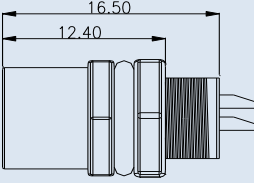


# M8/M12 CONN SERIES

## CHOGORI USA

### M8 Series Specification

#### M8 Series, Panel Mount

Description	Panel Rear Mount, Male Pin, Screw Type, Solder	Panel Rear Mount, Female Pin, Screw Type, Solder												
														
Drawing														
Part No.	<table><tr><th>Contacts</th><th>Part -Number</th></tr><tr><td>3</td><td>52035105-03</td></tr><tr><td>4</td><td>52045105-03</td></tr></table>	Contacts	Part -Number	3	52035105-03	4	52045105-03	<table><tr><th>Contacts</th><th>Part -Number</th></tr><tr><td>3</td><td>52036105-03</td></tr><tr><td>4</td><td>52046105-03</td></tr></table>	Contacts	Part -Number	3	52036105-03	4	52046105-03
Contacts	Part -Number													
3	52035105-03													
4	52045105-03													
Contacts	Part -Number													
3	52036105-03													
4	52046105-03													

#### Specifications



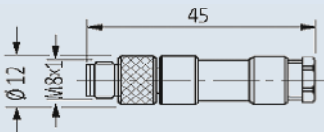
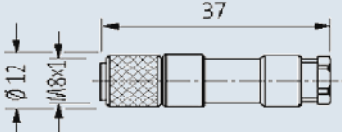
Number of Contacts	3	4
Wire Gauge	3X24AWG / 3x22AWG	4x24AWG / 4x22AWG
Voltage Rating	60V DC	30 V DC
Rated Current(40°C)	3 A	
Signal Per Port	1	2
Environmental Protection	IP65 and IP67 when plugged and screwed down (EN 60529)	
Mechanical Life	100 mating cycles	
Operating Temperature	-20°C - 85°C, depending on cable quality	

# M8/M12 CONN SERIES

## CHOGORI USA

### M8 Series Specification

#### M8 Series, Field Installable

Description	Field Installable, 180° Male Pin Screw Type,Solder	Field Installable, 180° Male Pin Screw Type,Solder												
														
Drawing														
Part No.	<table><tr><th>Contacts</th><th>Part -Number</th></tr><tr><td>3</td><td>52031101-01</td></tr><tr><td>4</td><td>52041101-01</td></tr></table>	Contacts	Part -Number	3	52031101-01	4	52041101-01	<table><tr><th>Contacts</th><th>Part -Number</th></tr><tr><td>3</td><td>52034101-01</td></tr><tr><td>4</td><td>52044101-01</td></tr></table>	Contacts	Part -Number	3	52034101-01	4	52044101-01
Contacts	Part -Number													
3	52031101-01													
4	52041101-01													
Contacts	Part -Number													
3	52034101-01													
4	52044101-01													



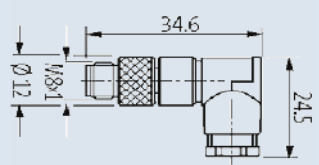
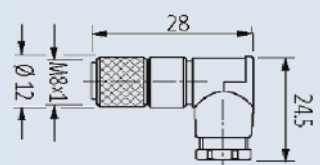
Specifications		
Number of Contacts	3	4
Wire Gauge	3X24AWG / 3x22AWG	4x24AWG / 4x22AWG
Voltage Rating	60V DC	30 V DC
Rated Current(40°C)	3 A	
Signal Per Port	1	2
Environmental Protection	IP65 and IP67 when plugged and screwed down (EN 60529)	
Mechanical Life	100 mating cycles	
OperatingTemperature	-20°C - 85°C, depending on cable quality	

# M8/M12 CONN SERIES

## CHOGORI USA

### M8 Series Specification

#### M8 Series, Field Installable

Description	Field Installable, 90° Male Pin Screw Type,Solder	Field Installable, 90° Male Pin Screw Type,Solder												
														
Drawing														
Part No.	<table><tr><th>Contacts</th><th>Part -Number</th></tr><tr><td>3</td><td>52031102-01</td></tr><tr><td>4</td><td>52041102-01</td></tr></table>	Contacts	Part -Number	3	52031102-01	4	52041102-01	<table><tr><th>Contacts</th><th>Part -Number</th></tr><tr><td>3</td><td>52034102-01</td></tr><tr><td>4</td><td>52044102-01</td></tr></table>	Contacts	Part -Number	3	52034102-01	4	52044102-01
Contacts	Part -Number													
3	52031102-01													
4	52041102-01													
Contacts	Part -Number													
3	52034102-01													
4	52044102-01													

#### Specifications



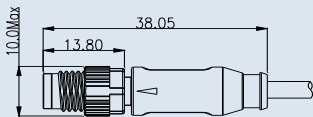
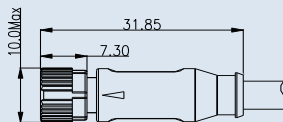
Number of Contacts	3	4
Wire Gauge	3X24AWG / 3x22AWG	4x24AWG / 4x22AWG
Voltage Rating	60V DC	30 V DC
Rated Current(40°C)	3 A	
Signal Per Port	1	2
Environmental Protection	IP65 and IP67 when plugged and screwed down (EN 60529)	
Mechanical Life	100 mating cycles	
OperatingTemperature	-20°C - 85°C, depending on cable quality	

# M8/M12 CONN SERIES

## CHOGORI USA

### M8 Series Specification

#### M8 Series, Molded with Cable

Description	Molded with Cable, 180° Male Pin Screw Type,Solder	Molded with Cable, 180° Female Pin Screw Type,Solder												
														
Drawing														
Part NO.	<table><tr><th>Contacts</th><th>Part -Number</th></tr><tr><td>3</td><td>52031103-01-XXXXX</td></tr><tr><td>4</td><td>52041103-01-XXXXX</td></tr></table>	Contacts	Part -Number	3	52031103-01-XXXXX	4	52041103-01-XXXXX	<table><tr><th>Contacts</th><th>Part -Number</th></tr><tr><td>3</td><td>52034103-01-XXXXX</td></tr><tr><td>4</td><td>52044103-01-XXXXX</td></tr></table>	Contacts	Part -Number	3	52034103-01-XXXXX	4	52044103-01-XXXXX
Contacts	Part -Number													
3	52031103-01-XXXXX													
4	52041103-01-XXXXX													
Contacts	Part -Number													
3	52034103-01-XXXXX													
4	52044103-01-XXXXX													



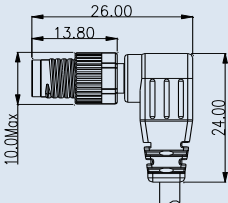
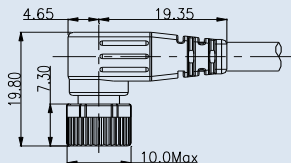
Specifications		
Number of Contacts	3	4
Wire Gauge	3X24AWG / 3x22AWG	4x24AWG / 4x22AWG
Voltage Rating	60V DC	30 V DC
Rated Current(40°C)	3 A	
Signal Per Port	1	2
Environmental Protection	IP65 and IP67 when plugged and screwed down (EN 60529)	
Mechanical Life	100 mating cycles	
Operating Temperature	-20°C - 85°C, depending on cable quality	

# M8/M12 CONN SERIES

## CHOGORI USA

### M8 Series Specification

#### M8 Series, Molded with Cable

Description	Molded with Cable, 90° Male Pin Screw Type,Solder	Molded with Cable, 90° Female Pin Screw Type,Solder												
														
Drawing														
Part NO.	<table><tr><th>Contacts</th><th>Part -Number</th></tr><tr><td>3</td><td>52031104-01-XXXXX</td></tr><tr><td>4</td><td>52041104-01-XXXXX</td></tr></table>	Contacts	Part -Number	3	52031104-01-XXXXX	4	52041104-01-XXXXX	<table><tr><th>Contacts</th><th>Part -Number</th></tr><tr><td>3</td><td>52034104-01-XXXXX</td></tr><tr><td>4</td><td>52044104-01-XXXXX</td></tr></table>	Contacts	Part -Number	3	52034104-01-XXXXX	4	52044104-01-XXXXX
Contacts	Part -Number													
3	52031104-01-XXXXX													
4	52041104-01-XXXXX													
Contacts	Part -Number													
3	52034104-01-XXXXX													
4	52044104-01-XXXXX													

#### Specifications

Number of Contacts	3	4
Wire Gauge	3X24AWG / 3x22AWG	4x24AWG / 4x22AWG
Voltage Rating	60V DC	30 V DC
Rated Current(40°C)	3 A	
Signal Per Port	1	2
Environmental Protection	IP65 and IP67 when plugged and screwed down (EN 60529)	
Mechanical Life	100 mating cycles	
Operating Temperature	-20°C - 85°C, depending on cable quality	

# M8/M12 CONN SERIES

## CHOGORI USA

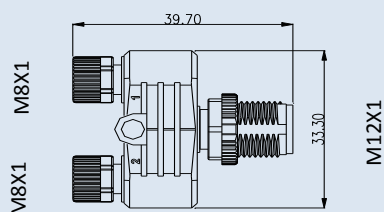
Y-coupler M12-male to M8-female Replaced

Male straight to Female straight

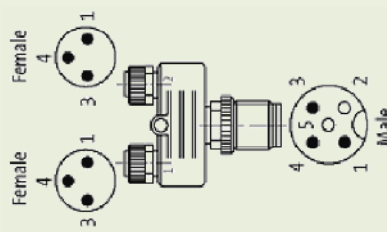
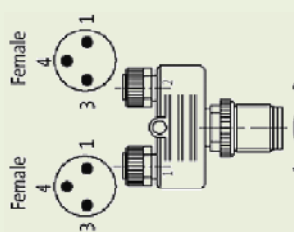
Description M12-Male to 2xM8-Female



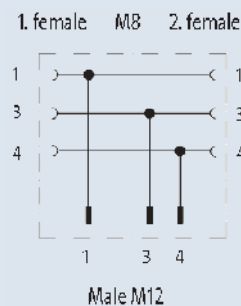
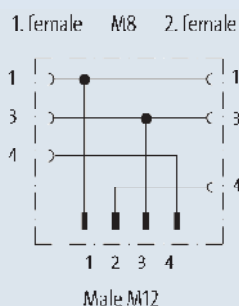
Drawing



Contact layout



Circuit diagram



Part No.

54050115-01

54050115-02

Specifications

Voltage Rating	60 V DC
Rated Current(40°C)	4 A
Locking of Ports	Screw thread M8 / M12 × 1 mm (recommended torque 0.4/0.6 Nm), self-securing
Environmental Protection	IP65 and IP67 when plugged and screwed down (EN 60529)
Mechanical Life	100 mating cycles
Operating Temperature	-20°C - 85°C, depending on cable quality

# M8/M12 CONN SERIES

## CHOGORI USA

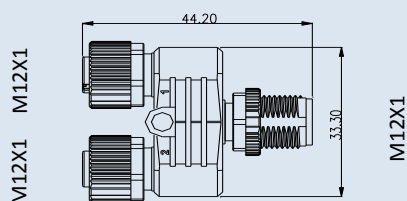
Y-coupler M12-male to M12-female Replaced

Male straight to Female straight

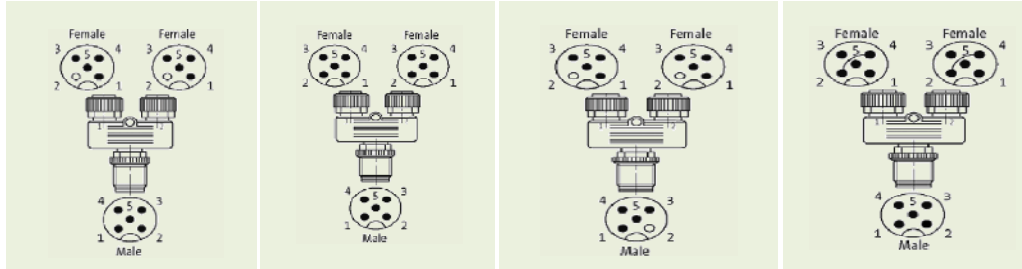
Description M12-Male to 2x M12-Female



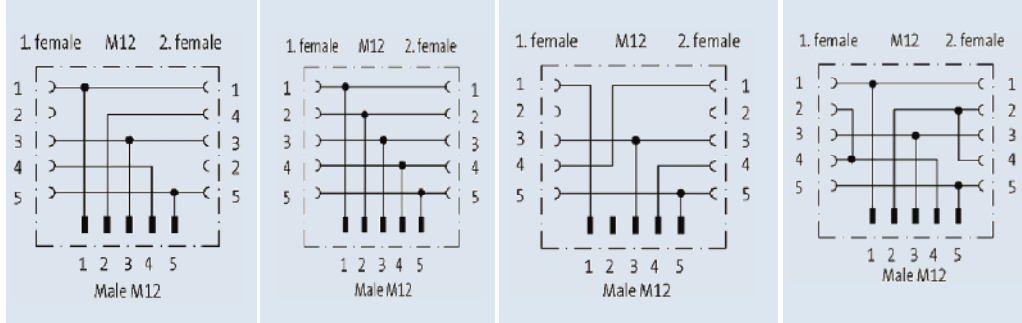
Drawing



Contact layout



Circuit diagram



Part No.	54040114-01	54040114-02	54040114-03	54040114-04
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Specifications




Voltage Rating	60 V DC
Rated Current(40°C)	4 A
Locking of Ports	Screw thread M12 × 1 mm (recommended torque 0.4/0.6 Nm), self-securing
Environmental Protection	IP65 and IP67 when plugged and screwed down (EN 60529)
Mechanical Life	100 mating cycles
OperatingTemperature	-20°C - 85°C, depending on cable quality

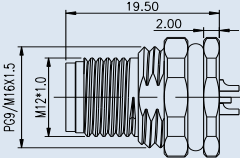
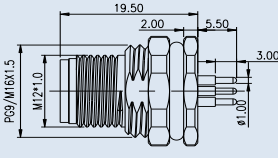
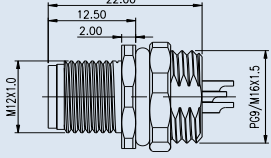
# M8/M12 CONN SERIES

CHOGORI USA

## M12 Series Specifications

### M12 Series, Panel Mount & Male Pin

Description	Front Panel Mount, Screw Type, Solder	Front Panel Mount, Screw Type, PCB	Rear Panel Mount, Screw Type,Solder
Figure			

Drawing			
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Part Number	Contacts	FixingThread	Part Number	Contacts	FixingThread	Part Number	Contacts	FixingThread	Part Number
	3	M16X1.5	54035105-01	3	M16X1.5	54035105-02	3	M16X1.5	54125105-03
		PG9	54035105-11		PG9	54035105-12		PG9	54125105-13
	4	M16X1.5	54045105-01	4	M16X1.5	54045105-02	4	M16X1.5	54125105-03
		PG9	54045105-11		PG9	54045105-12		PG9	54125105-13
	5	M16X1.5	54055105-01	5	M16X1.5	54055105-02	5	M16X1.5	54125105-03
		PG9	54055105-11		PG9	54055105-12		PG9	54125105-13
	8	M16X1.5	54085105-01	8	M16X1.5	54085105-02	8	M16X1.5	54125105-03
		PG9	54085105-11		PG9	54085105-12		PG9	54125105-13
	12	M16X1.5	54125105-01	12	M16X1.5	54125105-02	12	M16X1.5	54125105-03
		PG9	54125105-11		PG9	54125105-12		PG9	54125105-13

### Specifications

Number of Contacts	3	4	5	8	12
Wire Gauge	22AWG			24AWG	26AWG
Cable Range	Max. 6.0mm				
Environmental Protection	IP67				
Mechanical Life	100 mating cycles				
Operating Temperature	- 25℃ - 85℃				
Voltage Rating	250V	250V	125V	60V	30V
Rated Current(40℃)	4A	4A	4A	2A	1A

# M8/M12 CONN SERIES

## CHOGORI USA

### M12 Series Specifications

#### M12 Series, Field Installable& Female Pin

Description

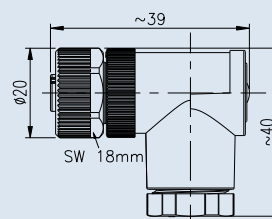
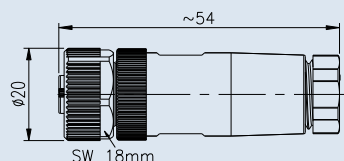
Screw Type

Field Installable, 90°  
Screw Type

Figure



Drawing



Part-No.

Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
3	4 - 6	54034101-01	3	4 - 6	54034102-01
	6 - 8	54034101-02		6 - 8	54034102-02
4	4 - 6	54044101-01	4	4 - 6	54044102-01
	6 - 8	54044101-02		6 - 8	54044102-02
5	4 - 6	54054101-01	5	4 - 6	54054102-01
	6 - 8	54054101-02		6 - 8	54054102-02

#### Specifications

Number of Contacts	3	4	5
Wire Gauge	18AWG		
Cable Range	4mm - 6mm , 6mm - 8mm		
Environmental Protection	IP67		
Mechanical Life	100 mating cycles		
Operating Temperature	- 25℃ - 85℃		
Voltage Rating	250V	250V	125V
Rated Current(40℃)	4A		

# M8/M12 CONN SERIES

## CHOGORI USA

### M12 Series Specifications

#### M12 Series, Molded with Cable & Female Pin

##### Description

Molded with Cable, 100°  
Screw Type

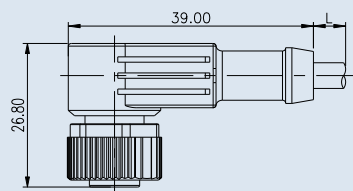
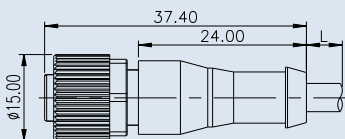
##### Figure



Molded with Cable, 90°  
Screw Type



##### Drawing



##### Part-No.

Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
3	Max. 6.0	54034103-01-XXXXX	3	Max. 6.0	54034104-01-XXXXX
4	Max. 6.0	54044103-01-XXXXX	4	Max. 6.0	54044104-01-XXXXX
5	Max. 6.0	54054103-01-XXXXX	5	Max. 6.0	54054104-01-XXXXX
8	Max. 6.0	54084103-01-XXXXX	8	Max. 6.0	54084104-01-XXXXX
12	Max. 6.0	54124103-01-XXXXX	12	Max. 6.0	54124104-01-XXXXX

##### Specifications




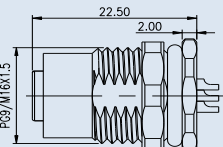
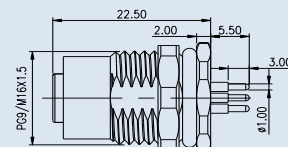
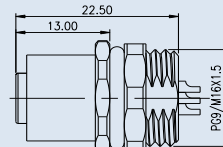
Number of Contacts	3	4	5	8	12
Wire Gauge	22AWG			24AWG	.26AWG
Cable Range	Max. 6.0mm				
Environmental Protection	IP67				
Mechanical Life	100 mating cycles				
Operating Temperature	- 25°C - 85°C				
Voltage Rating	250V	250V	125V	60V	30V
Rated Current(40°C)	4A	4A	4A	2A	1A

# M8/M12 CONN SERIES

CHOGORI USA

## M12 Series Specifications

### M12 Series, Panel Mount & Female Pin

Description	Front Panel Mount, Screw Type, Solder	Front Panel Mount, Screw Type, PCB	Rear Panel Mount, Screw Type, Solder																																																																																				
Figure																																																																																							
Drawing																																																																																							
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### Specifications

Number of Contacts	3	4	5	8	12
Wire Gauge	22AWG			24AWG	26AWG
Cable Range	Max. 6.0mm				
Environmental Protection	IP67				
Mechanical Life	100 mating cycles				
Operating Temperature	- 25°C - 85°C				
Voltage Rating	250V	250V	125V	60V	30V
Rated Current(40°C)	4A	4A	4A	2A	1A

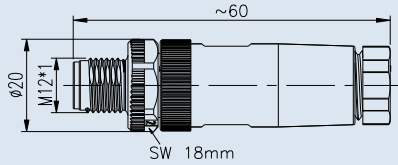
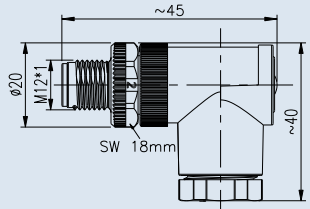
# M8/M12 CONN SERIES

## CHOGORI USA

### M12 Series Specifications

#### M12 Series, Field Installable & Male Pin

Description	Screw Type	Field Installable, 90° Screw Type
Figure		

Drawing		
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Part-No.	Contacts	Cable Range(mm)	Part-Number	Contacts	Cable Range(mm)	Part-Number
	3	4 - 6 6 - 8	54031101-01 54031101-02	3	4 - 6 6 - 8	54031102-01 54031102-02
	4	4 - 6 6 - 8	54041101-01 54041101-02	4	4 - 6 6 - 8	54041102-01 54041102-02
	5	4 - 6 6 - 8	54051101-01 54051101-02	5	4 - 6 6 - 8	54051102-01 54051102-02



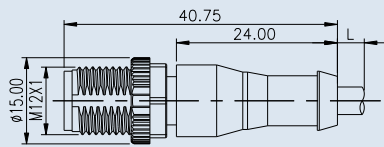
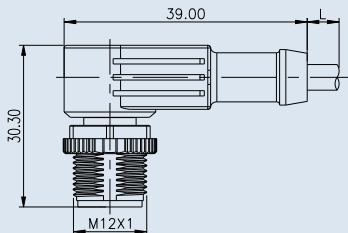
Specifications			
Number of Contacts	3	4	5
Wire Gauge	18AWG		
Cable Range	4mm - 6mm , 6mm - 8mm		
Environmental Protection	IP67		
Mechanical Life	100 mating cycles		
Operating Temperature	- 25℃ - 85℃		
Voltage Rating	250V	250V	125V
Rated Current(40℃)	4A		

# M8/M12 CONN SERIES

## CHOGORI USA

### M12 Series Specifications

#### M12 Series, Molded with Cable & Male Pin

Description	Molded with Cable, 180° Screw Type	Molded with Cable, 90° Screw Type																																				
Figure																																						
Drawing																																						
Part-No.	<table><tr><th>Contacts</th><th>Cable Range(mm)</th><th>Part-Number</th></tr><tr><td>3</td><td>Max. 6.0</td><td>54031103-01-XXXXX</td></tr><tr><td>4</td><td>Max. 6.0</td><td>54041103-01-XXXXX</td></tr><tr><td>5</td><td>Max. 6.0</td><td>54051103-01-XXXXX</td></tr><tr><td>8</td><td>Max. 6.0</td><td>54081103-01-XXXXX</td></tr><tr><td>12</td><td>Max. 6.0</td><td>54121103-01-XXXXX</td></tr></table>	Contacts	Cable Range(mm)	Part-Number	3	Max. 6.0	54031103-01-XXXXX	4	Max. 6.0	54041103-01-XXXXX	5	Max. 6.0	54051103-01-XXXXX	8	Max. 6.0	54081103-01-XXXXX	12	Max. 6.0	54121103-01-XXXXX	<table><tr><th>Contacts</th><th>Cable Range(mm)</th><th>Part-Number</th></tr><tr><td>3</td><td>Max. 6.0</td><td>54031104-01-XXXXX</td></tr><tr><td>4</td><td>Max. 6.0</td><td>54041104-01-XXXXX</td></tr><tr><td>5</td><td>Max. 6.0</td><td>54051104-01-XXXXX</td></tr><tr><td>8</td><td>Max. 6.0</td><td>54081104-01-XXXXX</td></tr><tr><td>12</td><td>Max. 6.0</td><td>54121104-01-XXXXX</td></tr></table>	Contacts	Cable Range(mm)	Part-Number	3	Max. 6.0	54031104-01-XXXXX	4	Max. 6.0	54041104-01-XXXXX	5	Max. 6.0	54051104-01-XXXXX	8	Max. 6.0	54081104-01-XXXXX	12	Max. 6.0	54121104-01-XXXXX
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