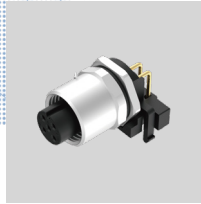
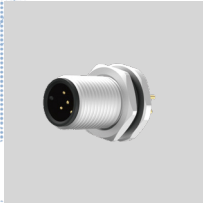


## RELIABLE CONNECTION EXPERTS

CONNODER is committed to driving the progress of industrial automation through innovative, reliable and efficient circular connector solutions.

We are unremittingly pursuing excellence and aims to become the most trustworthy partners in the global industrial automation field, helping customers to achieve higher production efficiency and sustainable development.

[WWW.NODERCONN.COM](http://WWW.NODERCONN.COM)



WEB QR

### ShunKonn Technology Electronic Co.Ltd

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Mobile phone number:+86 13798797116 +86 18128664239

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Website:www.noderconn.com www.connoder.com www.shunkonn.com

# Reliable Connection Experts

Professional research and development of circular  
connector solution manufacturers

## CONNECTOR SELECTION GUIDE



## Company Introduction

ShunKonn Technology Electronic Co., Ltd., established in 2013, is a manufacturer specialized in the research, development, and production of photovoltaic connectors, industrial connectors, cables, and related peripheral devices.

The brands of ShunKonn Technology include: ShunKonn, Noderconn, Connoder, Octopusconn.

Located at XinLe Road, WuSha Industrial zone, Changan Town, Dongguan City, Guangdong Province, we enjoy convenient access to major transportation networks. ShunKonn has an area more than 3000 m2 and around 100 staff members.

ShunKonn are making great efforts to developing Connector, Cable, Metal, Plastic/Zinc Alloy Molds, Precision High-speed Punch Molding, Plastic Injection Molding and Automatic Assembly.

ShunKonn are manufactured with advanced precision molding instruments in order to ensure high quality, such as Swiss Charmilies, Japanese Sodick Wire-Cutting machine, Precision Plastic/Zinc Alloy Injection Machines, and High-Speed Punch Machines. We have excellent testing facilities and over 100 automatic assembly machines and conduct strict quality inspections over each batch.

We have an experienced and professional team, we have exported our products to many countries and regions all over the world. ShunKonn has already attained ISO 9001, ISO14001 and other authoritative environmental certificate, all of the products are Rohs Compliant. Our products enjoy a good reputation among our customers.

Adhering to the business principle of mutual benefits, ShunKonn has built up a good relationship among our customers due to our perfect services, high-quality products and competitive prices. We warmly welcome customers from at home and abroad to cooperate for a glorious future.

## We mainly serve



Medical Equipment



Industrial Equipment



New Energy Equipment



Communication Equipment



Test Measurement



Rail Transit



New Energy Vehicle



Aerospace



Robot



Advanced Customization

## Our advantage

### 01 industry experience

10 years of experience in the connection device industry, integrating the manufacturer of connectors that integrate R & D, production, sales, and serving.

### 02 Innovative research and development capabilities

Our R & D team is composed of engineers and technical experts with rich product development experience. It is committed to applying the latest technology to products to improve performance and reliability.

### 03 Comprehensive solution

With a strong R & D team, we can quickly respond to the custom needs of customers and meet various complex application scenarios.

### 04 High-quality standard

The strict quality management system is detected from design to every aspect of production to ensure that all products meet international standards and industry specifications.

### 05 fast delivery

There is enough inventory to quickly process and ship the goods to meet the emergency needs of customers.

### 06 one-stop service

The technical support team is composed of experienced engineers, which can provide customers with technical suggestions and solve problems in time to ensure that customers get the best product experience.

## Coding Principle

### Code Principles For Finished Connectors

#### **M5 Series**

M5 Panel installation -----	02-03
M5 Precast cable -----	04

#### **M8 Series**

M8 Panel installation -----	07-09
M8 Assembly type -----	09-10
M8 Precast cable -----	11

#### **M9 Series**

M9 Panel installation -----	14-16
M9 Assembly type -----	16
M9 Precast cable -----	17

#### **M12 Series**

M12 Panel installation -----	27-37
M12 Assembly type -----	38-46
M12 Precast cable -----	47-50

#### **M16 Series**

M16 Panel installation -----	58-60
M16 Assembly type -----	61-63
M16 Precast cable -----	64-66

#### **7/8 " Series**

7/8 " Panel installation -----	68
7/8 " Assembly type -----	69
7/8 " Precast cable -----	70

## Application Field

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**Medical Device**

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**Industrial Equipment**

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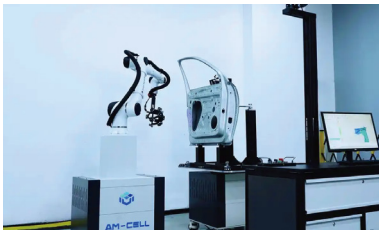
**New Energy Equipment**

---



**Communication**

---



**Test and Measurement**

---



**Rail Traffic**

---



**Aerospace**

---



**Robot**

---

## Code Principles For Finished Connectors

**M C 1 2 N M - X X R 2 L S L N S 4 0 1**

**Product model:**  
MB=M series harness  
MC=M series connectors

**Size:**  
05=M5 08=M8 09=M9  
10=M10 12=M12 14=M14  
16=M16 23=M23 78=7/8

**Code:**  
A=A code B=B code C=C code  
D=D code K=K code L=L code  
S=S code T=T code X=X code  
Y1=Y1 code Y2=Y2 code  
Y3=Y3 encoding Y4=Y4 encoding  
N= common type

**Male and Female:**  
M= male and F= female

**Needle count:**  
01=1 needle 02=2 needle 03=3 needle.... And so on

**Assembly method:**  
F= front mounting R= rear mounting L= flange U= other

**Lock mode:**  
1= prefabricated type 2= surface plate type  
3= injection molded type 4= metal assembly type  
5 ordinary coated type (line) 6= thread fast type  
7= flange type 8= snap type

**Streaming Code:**  
01 = same terminal length on the same form,  
The same number of stitches from 1-9 running code

**Installation Thread:**  
1=M12\*1.0 2=M15\*1.0 3=M16\*1.5  
4=M18\*0.75 5=M20\*1.5 6=PG7  
7=PG9 8=PG11 9=PG13.5  
10=7/8"-16UNF 11=M5\*0.5 12=M7\*0.75  
13=M8\*0.5 14=M8\*1.0 15=M10\*0.75  
16=M11\*1.0 17=M12\*0.5 19=M9\*0.5  
18=M26\*1.5

**90 Degrees, 180 Degrees and SMD:**  
S=straight R=Right angle M=SMD

**Whether with Shielding or not:**  
N=no L=long shield S=short shield

**Enclosure Type:**  
S=Stamping L=Turnings A=Aluminum die casting  
Z=Zinc alloy die casting P=Injection molding

**Needle Core Type:**  
LS=Turned piece solder SS=Stamped solder LC=Turned piece crimp  
SC=Stamping crimp LD=Turnpiece insert LM=Turnpiece sticker SMD  
LJ=Screwed shield assembly LH=Crimped shield assembly  
LP=Shielded assembly piercing type for automotive parts

## Code Principles For Prefabricated Cable

**M B 0 5 N M - 0 3 5 L S S T X X X X 0 1**

**Product model:**  
MB=M series harness  
MC=M series connectors

**Size:**  
05=M5 08=M8 09=M9  
10=M10 12=M12 14=M14  
16=M16 23=M23 78=7/8

**Code:**  
A=A code B=B code C=C code  
D=D code K=K code L=L code  
S=S code T=T code X=X code  
Y1=Y1 code Y2=Y2 code  
Y3=Y3 encoding Y4=Y4 encoding  
N= common type

**Male and Female:**  
M= male and F= female

**Needle count:**  
01=1 needle 02=2 needle 03=3 needle.... And so on

**Lock mode:**  
1= prefabricated type 2= surface plate type  
3= injection molded type 4= metal assembly type  
5 ordinary coated type (line) 6= thread fast type  
7= flange type 8= snap type

**Streaming Code:**  
01 = same terminal length on the same form,  
The same number of stitches from 1-9 running code

**Wire color:**  
B=Black G=Green H=Grey L=Blue  
O=Orange R=Red W=White Y=Yellow

**Line length:**  
010=0.10M 030=0.30M  
100=1M 200=2M 150=1.5M

**Sheath material:**  
P=PUR C=PVC X=XLP

**90 Degrees, 180 Degrees:**  
ST=Straight RA=Right angle

**Needle Core Type:**  
LS=Turned piece solder SS=Stamped solder LC=Turned piece crimp  
SC=Stamping crimp LD=Turnpiece insert LM=Turnpiece sticker SMD  
LJ=Screwed shield assembly LH=Crimped shield assembly  
LP=Shielded assembly piercing type for automotive parts

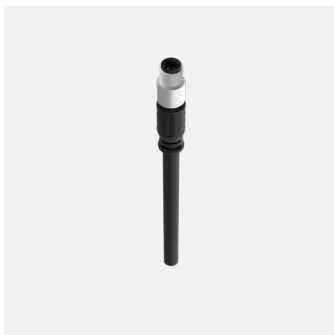
## M5 Series



- |  |   |
|--|---|
| <p>Prefabricated cables</p> <ul style="list-style-type: none"> <li>▪ Locking complies with DIN EN 61076-2-105</li> <li>▪ Pin configuration: 3-4 pins</li> <li>▪ Comply with IP67/IP68 waterproof requirements</li> <li>▪ Overmolding Type</li> <li>▪ Connector locked with M5 x 0,5 screws</li> <li>▪ Cable length can be increased as required</li> </ul> | <p>Panel installation</p> <ul style="list-style-type: none"> <li>▪ Locking complies with DIN EN 61076-2-105</li> <li>▪ Pin configuration: 3-4 pins</li> <li>▪ Comply with IP67/IP68 waterproof requirements</li> <li>▪ Quick assembly</li> <li>▪ Connector locked with M5 x 0,5 screws</li> <li>▪ Solder/dipping termination/single wire</li> </ul> |
|--|---|

The most compact connector type in the M series, our waterproof M5 sensor connectors are available in straight and tilted forms, PVC or PUR covered cable connector options and a variety of panel mounting sockets.





This M5 circular connector line has a screw connection mechanism and IP67 rating, especially suitable for automotive, process control, commercial electronics and instrumentation applications that require reliable and robust microsensors.



## Product Parameters

Housing material	Nickel-plated brass	Contact resistance	≤5mΩ
Sealing material	Epoxy resin/rubber	Durability	≥500 times
Contact material	Phosphorus copper gold plating/brass gold plating	Insulation resistor	100 mΩ
Insulation material	PA	Applicable temperature	-20°C To +80°C
Modeling materials	TPU/PVC/PUR	Waterproof grade	IP67 / IP68

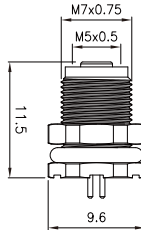
## Electrical Parameters

Code	Pins	Male	Female	Rated Voltage		Rated Current	Conductor Size	
				AC	DC		AWG	mm <sup>2</sup>
A	3			60V	60V	1A	26	0.14
	4			60V	60V	1A	26	0.14

## M5 Panel Installation

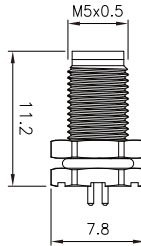
### M5 Female Plate Rear Mount PCB

Pins	Model
3	MC05NF-03R2LDLNS1201
4	MC05NF-04R2LDLNS1201



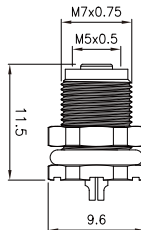
### M5 Male Plate Rear Mount PCB

Pins	Model
3	MC05NM-03R2LDLNS1101
4	MC05NM-04R2LDLNS1101



### M5 Female plate rear Mount Solder

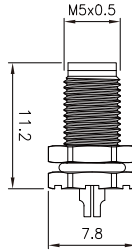
Pins	Model
3	MC05NF-03R2LSLNS1201
4	MC05NF-04R2LSLNS1201





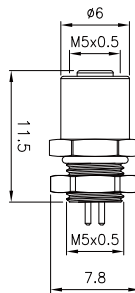
M5 Male plate rear Mount Solder

Pins	Model
3	MC05NM-03R2LSLNS1101
4	MC05NM-04R2LSLNS1101



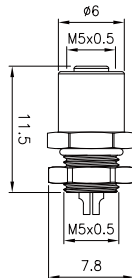
M5 Female Plate Front Mount PCB

Pins	Model
3	MC05NF-03F2LDLNS1101
4	MC05NF-04F2LDLNS1101



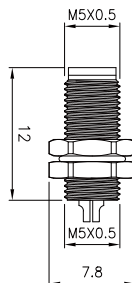
M5 Female Plate Front Mount Solder

Pins	Model
3	MC05NF-03F2LSLNS1101
4	MC05NF-04F2LSLNS1101



M5 Male Plate Front Mount Solder

Pins	Model
3	MC05NM-03F2LSLNS1101
4	MC05NM-04F2LSLNS1101



## M5 Precast cable

---

### M5 Male Straight Overmolding Type

Pins	Model
3	MB05NM-035LSSTXXXXX01
4	MB05NM-045LSSTXXXXX01



### M5 Female Straight Overmolding Type

Pins	Model
3	MB05NF-035LSSTXXXXX01
4	MB05NF-045LSSTXXXXX01



### M5 Male Right Angle Overmolding Type

Pins	Model
3	MB05NM-035LSRAXXXXXX01
4	MB05NM-045LSRAXXXXXX01



### M5 Female Right Angle Overmolding Type

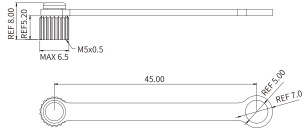
Pins	Model
3	MB05NF-035LSRAXXXXXX01
4	MB05NF-045LSRAXXXXXX01



## M5 Dust Cap

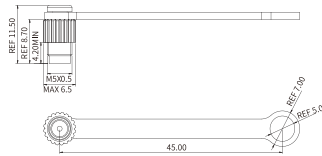
### M5 Male Dust Cap

Model
MC05NM-DCN01



### M5 Female Dust Cap

Model
MC05NF-DCN01



## M5 Cable Definition

Pins	3Pin Core Color		Pins	4Pin Core Color	
1	BN		1	BN	
2	-		2	WH	
3	BU		3	BU	
4	BK		4	BK	

## M5 PCB Pins Arrangement

Core Position	3	4	Core Position	3	4
Male			Female		

## M8 Series



- |  |   |
|--|---|
| <p>Prefabricated cables</p> <ul style="list-style-type: none"> <li>■ Locking complies with DIN EN 61076-2-104</li> <li>■ Pin configuration: 3-8 pins</li> <li>■ Comply with IP67/IP68 waterproof requirements</li> <li>■ Overmolding Type</li> <li>■ Connector locked with M8 × 1 screws</li> <li>■ Cable length can be increased as required</li> </ul> | <p>Panel installation</p> <ul style="list-style-type: none"> <li>■ Locking complies with DIN EN 61076-2-104</li> <li>■ Pin configuration: 3-8 pins</li> <li>■ Comply with IP67/IP68 waterproof requirements</li> <li>■ Quick assembly</li> <li>■ Connector locked with M8 × 1 screws</li> <li>■ Solder/dipping termination/single wire</li> </ul> |
|--|---|

Our M8 circular connectors and cables are designed to meet the growing demand for sensors, actuators and data connections in process control, industrial machinery and factory automation applications. These compact sensor and automation connectors feature quick-screw locking coupling, are mechanically and chemically robust, easy to install, minimize downtime, and help increase productivity.













Our M8 series is rated to IP67 standards to ensure safe, secure and reliable protection from liquids, dust, moisture and dirt, while also providing strong resistance to vibration to ensure uninterrupted connections. Connectors are available with 3,4,5,6 or 8 contacts. Straight and right angle configurations and metal and plastic housing options are also available.



## Product Parameters

Housing material	Nickel-plated brass	Contact resistance	≤5mΩ
Sealing material	Epoxy resin/rubber	Durability	≥500 times
Contact material	Phosphorus copper gold plating/brass gold plating	Insulation resistor	100 mΩ
Insulation material	PA	Applicable temperature	-20°C To +80°C
Modeling materials	TPU/PVC/PUR	Waterproof grade	IP67 / IP68

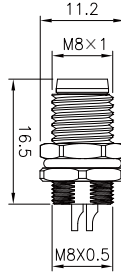
## Electrical Parameters

Code	Pins	Male	Female	Rated Voltage		Rated Current	Conductor Size	
				AC	DC		AWG	mm <sup>2</sup>
A	3			60V	60V	3A	24	0.25
	4			60V	60V	3A	24	0.25
	6			30V	30V	1.5A	26	0.14
	8			30V	30V	1.5A	26	0.25
B	5			30V	30V	3A	24	0.14
D	4			48V	60V	4A	26	0.14

## M8 Panel Installation

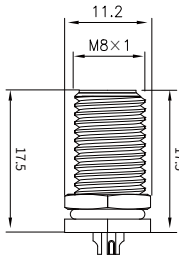
### M8 Male Plate Front Mount Solder

Core	Pins	Model
	3	MC08AM-03F2LSLNS1301
	4	MC08AM-04F2LSLNS1301
	6	MC08AM-06F2LSLNS1301
	8	MC08AM-08F2LSLNS1301
B	5	MC08BM-05F2LSLNS1301
D	4	MC08DM-04F2LSLNS1301



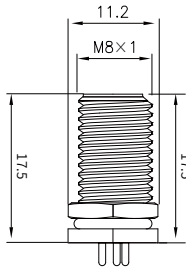
### M8 Male Plate Rear Mount Solder

Core	Pins	Model
	3	MC08AM-03R2LSLNS1401
	4	MC08AM-04R2LSLNS1401
	6	MC08AM-06R2LSLNS1401
	8	MC08AM-08R2LSLNS1401
B	5	MC08BM-05R2LSLNS1401
D	4	MC08DM-04R2LSLNS1401



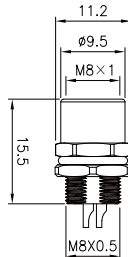
### M8 Male Plate Rear Mount PCB

Core	Pins	Model
	3	MC08AM-03R2LDLNS1401
	4	MC08AM-04R2LDLNS1401
	6	MC08AM-06R2LDLNS1401
	8	MC08AM-08R2LDLNS1401
B	5	MC08BM-05R2LDLNS1401
D	4	MC08DM-04R2LDLNS1401



### M8 Female Plate Front Mount Solder

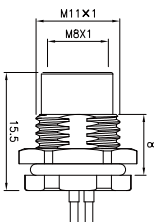
Core	Pins	Model
	3	MC08AF-03F2LSLNS1301
	4	MC08AF-04F2LSLNSN01
	6	MC08AF-06F2LSLNS1301
	8	MC08AF-08F2LSLNS1301
B	5	MC08BF-05F2LSLNS1301
D	4	MC08DF-04F2LSLNS1301



## M8 Panel Installation

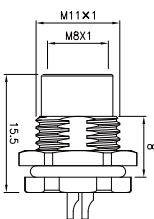
### M8 Male Plate Rear Mount PCB

Core	Pins	Model
A	3	MC08AF-03R2LDLNS1601
	4	MC08AF-04R2LDLNS1601
	6	MC08AF-06R2LDLNS1601
	8	MC08AF-08R2LDLNS1601
B	5	MC08BF-05R2LDLNS1601
D	4	MC08DF-04R2LDLNS1601



### M8 Male Plate Rear Mount Solder

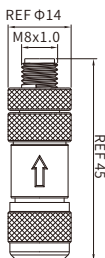
Core	Pins	Model
A	3	MC08AF-03R2LSLNS1601
	4	MC08AF-04R2LSLNS1601
	6	MC08AF-06R2LSLNS1601
	8	MC08AF-08R2LSLNS1601
B	5	MC08BF-05R2LSLNS1601
D	4	MC08DF-04R2LSLNS1601t



## M8 Assembly type

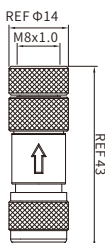
### M8 Male Straight Metal Assembly Screw

Core	Pins	Model
A	3	MC08AM-03N4LJZSS1401
	4	MC08AM-04N4LJZSS1401



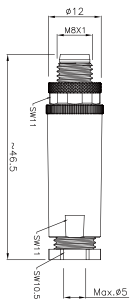
### M8 Female Straight Metal Assembly Screw

Core	Pins	Model
A	3	MC08AF-03N4LJZSS1401
	4	MC08AF-04N4LJZSS1401



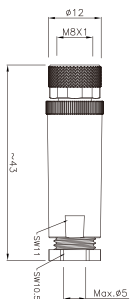
### M8 Male Straight Plastic Assembly Solder

Core	Pins	Model
A	3	MC08AM-03N1LSMNS1401
	4	MC08AM-04N1LSMNS1401
	6	MC08AM-06N1LSMNS1401
	8	MC08AM-08N1LSMNS1401
B	5	MC08BM-05N1LSMNS1401
D	4	MC08DM-04N1LSMNS1401



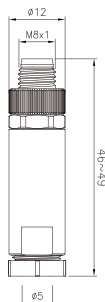
### M8 Female Straight Plastic Assembly Solder

Core	Pins	Model
A	3	MC08AF-03N1LSMNS1401
	4	MC08AF-04N1LSMNS1401
	6	MC08AF-06N1LSMNS1401
	8	MC08AF-08N1LSMNS1401
B	5	MC08AF-05N1LSMNS1401
D	4	MC08AF-04N1LSMNS1401



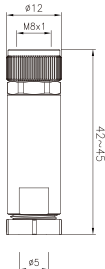
### M8 Male Straight Plastic Assembly Screw

Core	Pins	Model
A	3	MC08AM-03N4LJZSS1401
	4	MC08AM-04N4LJZSS1401



### M8 Female Straight Plastic Assembly Screw

Core	Pins	Model
A	3	MC08AF-03N4LJZSS1401
	4	MC08AF-04N4LJZSS1401





## M8 Precast cable

### M8 Male Straight Overmolding Type

Core	Pins	Model
A	3	MB08AM-035LSSTXXXXX01
	4	MB08AM-045LSSTXXXXX01
	6	MB08AM-065LSSTXXXXX01
	8	MB08AM-085LSSTXXXXX01
B	5	MB08BM-055LSSTXXXXX01
D	4	MB08DM-045LSSTXXXXX01



### M8 Female Straight Overmolding Type

Core	Pins	Model
A	3	MB08AF-035LSSTXXXXX01
	4	MB08AF-045LSSTXXXXX01
	6	MB08AF-065LSSTXXXXX01
	8	MB08AF-085LSSTXXXXX01
B	5	MB08BF-055LSSTXXXXX01
D	4	MB08DF-045LSSTXXXXX01



### M8 Male Right Angle Overmolding Type

Core	Pins	Model
A	3	MB08AM-035LSRAXXXXXX01
	4	MB08AM-045LSRAXXXXXX01
	6	MB08AM-065LSRAXXXXXX01
	8	MB08AM-085LSRAXXXXXX01
B	5	MB08BM-055LSRAXXXXXX01
D	4	MB08DM-045LSRAXXXXXX01



### M8 Female Right Angle Overmolding Type

Core	Pins	Model
A	3	MB08AF-035LSRAXXXXXX01
	4	MB08AF-045LSRAXXXXXX01
	6	MB08AF-065LSRAXXXXXX01
	8	MB08AF-085LSRAXXXXXX01
B	5	MB08BF-055LSRAXXXXXX01
D	4	MB08DF-045LSRAXXXXXX01



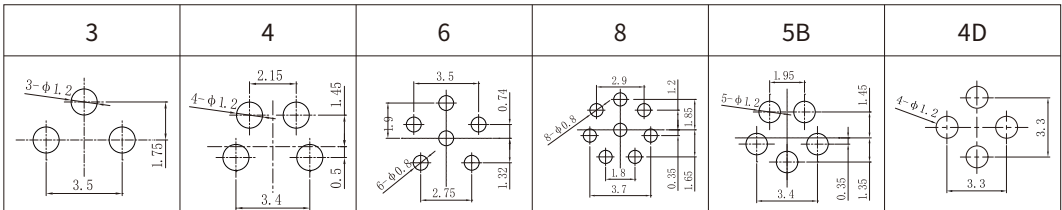
## M8 Cable Definition

Pins	3Pin Core Color	Pins	4Pin Core Color A Code	Pins	4Pin Core Color D Code
1	BN	1	BN	1	YE
2	-	2	WH	2	WH
3	BU	3	BU	3	OG
4	BK	4	BK	4	BU

Pins	5Pin Core Color	Pins	6Pin Core Color	Pins	8Pin Core Color
1	BN	1	BN	1	WH
2	WH	2	WH	2	BN
3	BU	3	BU	3	GN
4	BK	4	BK	4	YE
5	GY	5	GY	5	GY
		6	PK	6	PK
				7	BU
				8	RD

## M8 PCB Pins Arrangement



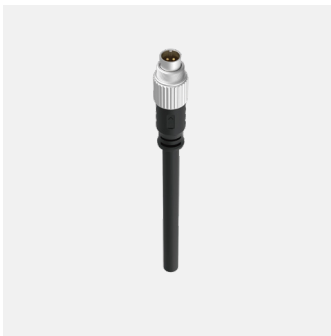
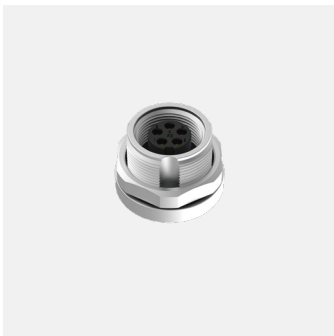
## M9 Series



- |  |   |
|--|---|
| <p>Prefabricated cables</p> <ul style="list-style-type: none"> <li>■ Locking complies with DIN EN 61076-2-104</li> <li>■ Pin configuration: 3-8 pins</li> <li>■ Comply with IP67/IP68 waterproof requirements</li> <li>■ Overmolding Type</li> <li>■ Connector locked with M9 × 0.5 screws</li> <li>■ Cable length can be increased as required</li> </ul> | <p>Panel installation</p> <ul style="list-style-type: none"> <li>■ Locking complies with DIN EN 61076-2-104</li> <li>■ Pin configuration: 3-8 pins</li> <li>■ Comply with IP67/IP68 waterproof requirements</li> <li>■ Quick assembly</li> <li>■ Connector locked with M9 × 0.5 screws</li> <li>■ Solder/dipping termination/single wire</li> </ul> |
|--|---|

Our M9 circular connectors and mating cables are designed to meet the high standards required in modern industrial automation, sensor technology and data transmission. These precision-engineered connectors feature a fast and reliable thread locking mechanism that ensures a secure connection even in high-vibration environments. Their compact size, excellent mechanical strength and chemical resistance make installation quick and easy, helping to reduce maintenance time and increase overall efficiency.















The M9 series is IP67 rated, providing excellent safety and reliability protection against liquids, dust, moisture, and other contaminants inside the connector. Ideal for applications in outdoor or harsh environments. Different contact configurations from 2-pin to 8-pin are available, including straight and right-angle designs, to meet the needs of diverse application scenarios.



## Product Parameters

Housing material	Nickel-plated brass	Contact resistance	≤5mΩ
Sealing material	Epoxy resin/rubber	Durability	≥500 times
Contact material	Phosphorus copper gold plating/brass gold plating	Insulation resistor	100 mΩ
Insulation material	PA	Applicable temperature	-20°C To +80°C
Modeling materials	TPU/PVC/PUR	Waterproof grade	IP67 / IP68

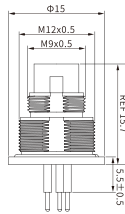
## Electrical Parameters

Pins	Male	Female	Rated Voltage		Rated Current	Conductor Size	
			AC	DC		AWG	mm <sup>2</sup>
2			125V	125V	4A	24	0.25
3			125V	125V	4A	24	0.25
4			125V	125V	3A	24	0.25
5			125V	125V	3A	24	0.25
6			125V	125V	1A	26	0.14
7			125V	125V	1A	26	0.14
8			125V	125V	1A	26	0.14

## M9 Panel Installation

### M9 Male Plate Rear Mount PCB

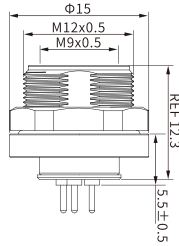
Core	Pins	Model
Common type	2	MC09NM-02R2LDLNS1701
	3	MC09NM-03R2LDLNS1701
	4	MC09NM-04R2LDLNS1701
	5	MC09NM-05R2LDLNS1701
	6	MC09NM-06R2LDLNS1701
	7	MC09NM-07R2LDLNS1701
	8	MC09NM-08R2LDLNS1701



## M9 Panel Installation

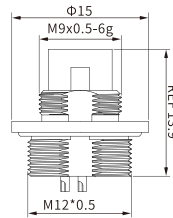
### M9 Female Plate Rear Mount PCB

Core	Pins	Model
Common type	2	MC09NF-02R2LDLNS1701
	3	MC09NF-03R2LDLNS1701
	4	MC09NF-04R2LDLNS1701
	5	MC09NF-05R2LDLNS1701
	6	MC09NF-06R2LDLNS1701
	7	MC09NF-07R2LDLNS1701
	8	MC09NF-08R2LDLNS1701



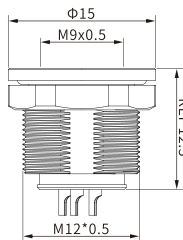
### M9 Male Plate Rear Mount Solder

Core	Pins	Model
Common type	2	MC09NM-02F2LSLNS1701
	3	MC09NM-03F2LSLNS1701
	4	MC09NM-04F2LSLNS1701
	5	MC09NM-05F2LSLNS1701
	6	MC09NM-06F2LSLNS1701
	7	MC09NM-07F2LSLNS1701
	8	MC09NM-08F2LSLNS1701



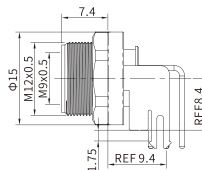
### M9 Female Plate Rear Mount Solder

Core	Pins	Model
Common type	2	MC09NF-02F2LSLNS1701
	3	MC09NF-03F2LSLNS1701
	4	MC09NF-04F2LSLNS1701
	5	MC09NF-05F2LSLNS1701
	6	MC09NF-06F2LSLNS1701
	7	MC09NF-07F2LSLNS1701
	8	MC09NF-08F2LSLNS1701



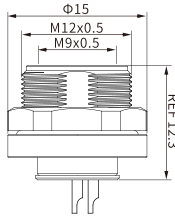
### M9 Female Plate Rear Mount Right Angle PCB

Core	Pins	Model
Common type	2	MC09NF-02R2LDLSR1701
	3	MC09NF-03R2LDLSR1701
	4	MC09NF-04R2LDLSR1701
	5	MC09NF-05R2LDLSR1701
	6	MC09NF-06R2LDLSR1701
	7	MC09NF-07R2LDLSR1701
	8	MC09NF-08R2LDLSR1701



## M9 Female Plate Rear Mount Solder

Core	Pins	Model
Common type	2	MC09NF-02R2LSLNS1701
	3	MC09NF-03R2LSLNS1701
	4	MC09NF-04R2LSLNS1701
	5	MC09NF-05R2LSLNS1701
	6	MC09NF-06R2LSLNS1701
	7	MC09NF-07R2LSLNS1701
	8	MC09NF-08R2LSLNS1701



## M9 Assembly type

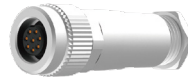
### M9 Male Straight Metal Assembly Screw

Core	Pins	Model
Common type	2	MC09NM-02N4LSZSS1901
	3	MC09NM-03N4LSZSS1901
	4	MC09NM-04N4LSZSS1901
	5	MC09NM-05N4LSZSS1901
	6	MC09NM-06N4LSZSS1901
	7	MC09NM-07N4LSZSS1901
	8	MC09NM-08N4LSZSS1901



### M9 Female Straight Metal Assembly Screw

Core	Pins	Model
Common type	2	MC09NF-02N4LSZSS1901
	3	MC09NF-03N4LSZSS1901
	4	MC09NF-04N4LSZSS1901
	5	MC09NF-05N4LSZSS1901
	6	MC09NF-06N4LSZSS1901
	7	MC09NF-07N4LSZSS1901
	8	MC09NF-08N4LSZSS1901



## M9 Precast Cable

### M9 Male Straight Overmolding Type

Core	Pins	Model
Common type	2	MB09NM-025LSSTXXXXX01
	3	MB09NM-035LSSTXXXXX01
	4	MB09NM-045LSSTXXXXX01
	5	MB09NM-055LSSTXXXXX01
	6	MB09NM-065LSSTXXXXX01
	7	MB09NM-075LSSTXXXXX01
	8	MB09NM-085LSSTXXXXX01



### M9 Female Straight Overmolding Type

Core	Pins	Model
Common type	2	MB09NF-025LSSTXXXXX01
	3	MB09NF-035LSSTXXXXX01
	4	MB09NF-045LSSTXXXXX01
	5	MB09NF-055LSSTXXXXX01
	6	MB09NF-065LSSTXXXXX01
	7	MB09NF-075LSSTXXXXX01
	8	MB09NF-08F2LSLNSN01



### M9 Male Right Angle Overmolding Type

Core	Pins	Model
Common type	2	MB09NM-025LSRAXXXXXX01
	3	MB09NM-035LSRAXXXXXX01
	4	MB09NM-045LSRAXXXXXX01
	5	MB09NM-055LSRAXXXXXX01
	6	MB09NM-065LSRAXXXXXX01
	7	MB09NM-075LSRAXXXXXX01
	8	MB09NM-085LSRAXXXXXX01



### M9 Female Right Angle Overmolding Type

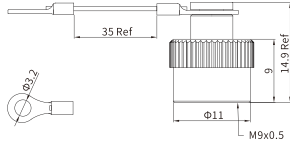
Core	Pins	Model
Common type	2	MB09NF-025LSRAXXXXXX01
	3	MB09NF-035LSRAXXXXXX01
	4	MB09NF-045LSRAXXXXXX01
	5	MB09NF-055LSRAXXXXXX01
	6	MB09NF-065LSRAXXXXXX01
	7	MB09NF-075LSRAXXXXXX01
	8	MB09NF-085LSRAXXXXXX01



## M9 Dust Cap

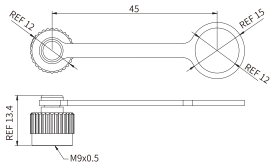
### M9 Male Dust Cap

Model
MC09NM-DCN02



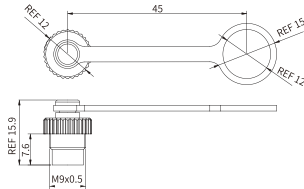
### M9 Male Dust Cap

Model
MC09NM-DCN01












### M9 Female Dust Cap













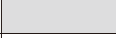






Model
MC09NM-DCN01













## M9 Cable Definition

Pins	2Pin Core Color		Pins	3Pin Core Color		Pins	4Pin Core Color	
1	BN		1	BN		1	BN	
2	BU		2	WH		2	WH	
			3	BK		3	BU	
						4	BK	

Pins	5Pin Core Color		Pins	6Pin Core Color		Pins	7Pin Core Color	
1	BN		1	BN		1	WH	
2	WH		2	WH		2	BN	
3	BU		3	BU		3	GN	
4	BK		4	BK		4	YE	
5	GY		5	GY		5	GY	
			6	PK		6	PK	
						7	BU	
						8	RD	

Pins	8Pin Core Color	
1	WH	
2	BN	
3	GN	
4	YE	
5	GY	
6	PK	
7	BU	
8	RD	

# M9 PCB Pins Arrangement

Core Position	2	3	4	5
Male				
	6	7	8	
Core Position	2	3	4	5
Female				
	6	7	8	

## M12 Series



- Prewired Cables
- M12 connector pinout: 2-17 pins
  - Meets IP67/IP68 waterproof requirements
  - -40°C~ +85°C temperature range
  - Shielded and unshielded
  - Prefabricated M12 cable
  - Additional cable lengths available upon request

- Panel installation
- M12 connector pinout: 2-17 pins
  - Meets IP67/IP68 waterproof requirements
  - -40°C~ +85°C temperature range
  - Shielded and Unshielded
  - Connector locked with M12 x 1 screws
  - Solder/dipping termination/single wire

















Our M12 connectors are IEC 61076-2-101 compliant and feature high bandwidth (up to 10gb /s) and high power carrying capacity. The connectors are available in 2, 3, 4, 5, 6, 8, 12, and 17 models, and the connectors can be shielded or unshielded, helping to minimize Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI.) The M12 connectors are also available in high protection ratings, such as IP67 and IP68, which ensures that they are watertight, dusttight, and chemically resistant in harsh environments.







## Product Parameters



Housing material	Nickel-plated brass	Contact resistance	≤5mΩ
Sealing material	Epoxy resin/rubber	Durability	≥500 times
Contact material	Phosphorus copper gold plating/brass gold plating	Insulation resistor	100 mΩ
Insulation material	PA	Applicable temperature	-20°C To +80°C
Modeling materials	TPU/PVC/PUR	Waterproof grade	IP67 / IP68

## M12 A Core Electrical Parameters









Pins	Male	Female	Rated Voltage		Rated Current	Conductor Size	
			AC	DC		AWG	mm <sup>2</sup>
2			250V	250V	4A	22	0.34
3			250V	250V	4A	22	0.34
4			250V	250V	4A	22	0.34
5			60V	60V	4A	22	0.34
6			30V	30V	2A	24	0.25
8			30V	30V	2A	24	0.25
12			30V	30V	1.5A	26	0.14
17			30V	30V	1.5A	26	0.14

## M12 B Core Electrical Parameters



Pins	Male	Female	Rated Voltage		Rated Current	Conductor Size	
			AC	DC		AWG	mm <sup>2</sup>
3			250V	250V	4A	22	0.34
4			250V	250V	4A	22	0.34

Pins	Male	Female	Rated Voltage		Rated Current	Conductor Size	
			AC	DC		AWG	mm <sup>2</sup>
5			60V	60V	4A	22	0.34









## M12 C Core Electrical Parameters

Pins	Male	Female	Rated Voltage		Rated Current	Conductor Size	
			AC	DC		AWG	mm <sup>2</sup>
3			250V	250V	4A	22	0.34
4			250V	250V	4A	22	0.34
5			60V	60V	2A	22	0.34
6			30V	30V	2A	24	0.25













## M12 D Core Electrical Parameters

Pins	Male	Female	Rated Voltage		Rated Current	Conductor Size	
			AC	DC		AWG	mm <sup>2</sup>
3			250V	250V	4A	22	0.34





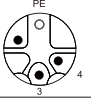
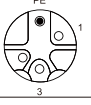
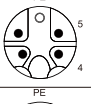
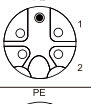


## M12 K Core Electrical Parameters

Pins	Male	Female	Rated Voltage		Rated Current	Conductor Size	
			AC	DC		AWG	mm <sup>2</sup>
2			800V	800V	16A	16	2.5
2+PE			800V	800V	16A	16	2.5
3+PE			800V	800V	16A	16	2.5
4+PE			800V	800V	16A	16	2.5







## M12 L Core Electrical Parameters

Pins	Male	Female	Rated Voltage		Rated Current	Conductor Size	
			AC	DC		AWG	mm <sup>2</sup>
2			63V	63V	16A	16	2.5
2+FE			63V	63V	16A	16	2.5
3			63V	63V	16A	16	2.5
3+FE			63V	63V	16A	16	2.5
4			63V	63V	16A	16	2.5
4+FE			63V	63V	16A	16	2.5







## M12 M Core Electrical Parameters

Pins	Male	Female	Rated Voltage		Rated Current	Conductor Size	
			AC	DC		AWG	mm <sup>2</sup>
2			630V	630V	8A	16	1.5
2+PE			630V	630V	8A	16	1.5
3+PE			630V	630V	8A	16	1.5
4+PE			630V	630V	8A	16	1.5
5+PE			630V	630V	8A	16	1.5



## M12 S Core Electrical Parameters

Pins	Male	Female	Rated Voltage		Rated Current	Conductor Size	
			AC	DC		AWG	mm <sup>2</sup>
2			630V	630V	12A	16	1.5
2+PE			630V	630V	12A	16	1.5
3+PE			630V	630V	12A	16	1.5





## M12 T Core Electrical Parameters

Pins	Male	Female	Rated Voltage		Rated Current	Conductor Size	
			AC	DC		AWG	mm <sup>2</sup>
2			60V	60V	16A	16	1.5
2+PE			60V	60V	16A	16	1.5
3+PE			60V	60V	16A	16	1.5

## M12 X Core Electrical Parameters

Pins	Male	Female	Rated Voltage		Rated Current	Conductor Size	
			AC	DC		AWG	mm <sup>2</sup>
8			50V	60V	0.5A	26-24	0.14-0.25

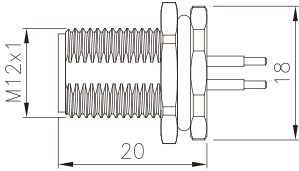
## M12 Y Core Electrical Parameters

Pins	Male	Female	Rated Voltage		Rated Current	Conductor Size	
			AC	DC		AWG	mm <sup>2</sup>
6			30V	30V	0.5A/12A	2*26AWG 4*20AWG	0.14-0.25
8			30V	30V	0.5A/6A	2*26AWG 4*20AWG	0.14-0.25



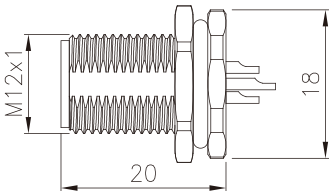
## M12 Panel Installation

### M12 Male Plate Rear Mount PCB M12\*1



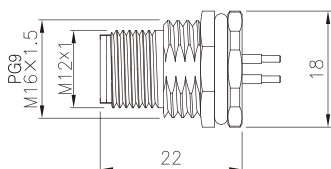
Core	Pins	Model	Core	Pins	Model
A	2	MC12AM-02R2LDLNS101	B	3	MC12BM-03R2LDLNS101
	3	MC12AM-03R2LDLNS101		4	MC12BM-04R2LDLNS101
	4	MC12AM-04R2LDLNS101		5	MC12BM-05R2LDLNS101
	5	MC12AM-05R2LDLNS101	C	3	MC12CM-03R2LDLNS101
	6	MC12AM-06R2LDLNS101		4	MC12CM-04R2LDLNS101
	8	MC12AM-08R2LDLNS101		5	MC12CM-05R2LDLNS101
	12	MC12AM-12R2LDLNS101		6	MC12CM-06R2LDLNS101
17	MC12AM-17R2LDLNS101	D	4	MC12DM-04R2LDLNS101	

### M12 Male Plate Rear Mount Solder M12\*1



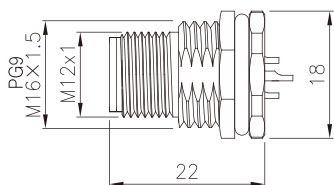
Core	Pins	Model	Core	Pins	Model
A	2	MC12AM-02R2LSLNS101	B	3	MC12BM-03R2LSLNS101
	3	MC12AM-03R2LSLNS101		4	MC12BM-04R2LSLNS101
	4	MC12AM-04R2LSLNS101		5	MC12BM-05R2LSLNS101
	5	MC12AM-05R2LSLNS101	C	3	MC12CM-03R2LSLNS101
	6	MC12AM-06R2LSLNS101		4	MC12CM-04R2LSLNS101
	8	MC12AM-08R2LSLNS101		5	MC12CM-05R2LSLNS101
	12	MC12AM-12R2LSLNS101		6	MC12CM-06R2LSLNS101
17	MC12AM-17R2LSLNS101	D	4	MC12DM-04R2LSLNS101	

## M12 Male Plate Rear Mount PCB M16\*1.5/PG9



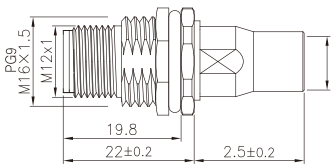
Core	Pins	Model	Core	Pins	Model
A	2	MC12AM-02R2LDLNS301	B	3	MC12BM-03R2LDLNS301
	3	MC12AM-03R2LDLNS301		4	MC12BM-04R2LDLNS301
	4	MC12AM-04R2LDLNS301		5	MC12BM-05R2LDLNS301
	5	MC12AM-05R2LDLNS301	C	3	MC12CM-03R2LDLNS301
	6	MC12AM-06R2LDLNS301		4	MC12CM-04R2LDLNS301
	8	MC12AM-08R2LDLNS301		5	MC12CM-05R2LDLNS301
	12	MC12AM-12R2LDLNS301	D	6	MC12CM-06R2LDLNS301
	17	MC12AM-17R2LDLNS301		4	MC12DM-04R2LDLNS301
K	2	MC12KM-02R2LDLNS301	M	2	MC12MM-02R2LDLNS301
	2+PE	MC12KM-03R2LDLNS301		2+PE	MC12MM-03R2LDLNS301
	3+PE	MC12KM-04R2LDLNS301		3+PE	MC12MM-04R2LDLNS301
	4+PE	MC12KM-05R2LDLNS301		4+PE	MC12MM-05R2LDLNS301
2	MC12LM-02R2LDLNS301	5+PE		MC12MM-06R2LDLNS301	
L	2+FE	MC12LM-03FR2LDLNS301	S	2	MC12SM-02R2LDLNS301
	3	MC12LM-03R2LDLNS301		2+PE	MC12SM-03R2LDLNS301
	3+FE	MC12LM-04FR2LDLNS301		3+PE	MC12SM-04R2LDLNS301
	4	MC12LM-04R2LDLNS301	T	2	MC12TM-02R2LDLNS301
	4+FE	MC12LM-05FR2LDLNS301		2+PE	MC12TM-03R2LDLNS301
			3+PE	MC12TM-04R2LDLNS301	

## M12 Male Plate Rear Mount Solder M16\*1.5/PG9



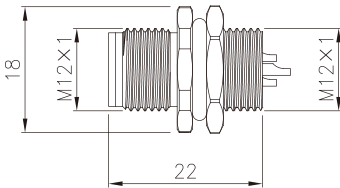
Core	Pins	Model	Core	Pins	Model
A	2	MC12AM-02R2LSLNS301	B	3	MC12BM-03R2LSLNS301
	3	MC12AM-03R2LSLNS301		4	MC12BM-04R2LSLNS301
	4	MC12AM-04R2LSLNS301		5	MC12BM-05R2LSLNS301
	5	MC12AM-05R2LSLNS301	C	3	MC12CM-03R2LSLNS301
	6	MC12AM-06R2LSLNS301		4	MC12CM-04R2LSLNS301
	8	MC12AM-08R2LSLNS301		5	MC12CM-05R2LSLNS301
	12	MC12AM-12R2LSLNS301	6	MC12CM-06R2LSLNS301	
17	MC12AM-17R2LSLNS301	D	4	MC12DM-04R2LSLNS301	
K	2	MC12KM-02R2LSLNS301	M	2	MC12MM-02R2LSLNS301
	2+PE	MC12KM-03R2LSLNS301		2+PE	MC12MM-03R2LSLNS301
	3+PE	MC12KM-04R2LSLNS301		3+PE	MC12MM-04R2LSLNS301
	4+PE	MC12KM-05R2LSLNS301		4+PE	MC12MM-05R2LSLNS301
		5+PE		MC12MM-06R2LSLNS301	
L	2	MC12LM-02R2LSLNS301	S	2	MC12SM-02R2LSLNS301
	2+FE	MC12LM-03FR2LSLNS301		2+PE	MC12SM-03R2LSLNS301
	3	MC12LM-03R2LSLNS301		3+PE	MC12SM-04R2LSLNS301
	3+FE	MC12LM-04FR2LSLNS301	T	2	MC12TM-02R2LSLNS301
	4	MC12LM-04R2LSLNS301		2+PE	MC12TM-03R2LSLNS301
			3+PE	MC12TM-04R2LSLNS301	

### M12 Male Plate Rear Mount Solder M16\*1.5/PG9 (shielded)



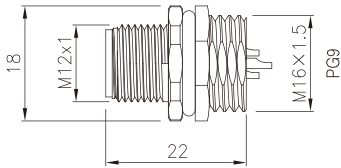
Core	Pins	Model	Core	Pins	Model
A	2	MC12AM-02R2LSLLS301	B	3	MC12BM-03R2LSLLS301
	3	MC12AM-03R2LSLLS301		4	MC12BM-04R2LSLLS301
	4	MC12AM-04R2LSLLS301		5	MC12BM-05R2LSLLS301
	5	MC12AM-05R2LSLLS301	C	3	MC12CM-03R2LSLLS301
	6	MC12AM-06R2LSLLS301		4	MC12CM-04R2LSLLS301
	8	MC12AM-08R2LSLLS301		5	MC12CM-05R2LSLLS301
	12	MC12AM-12R2LSLLS301		6	MC12CM-06R2LSLLS301
17	MC12AM-17R2LSLLS301	D	4	MC12DM-04R2LSLLS301	

### M12 Male Plate Front Mount Solder M12\*1



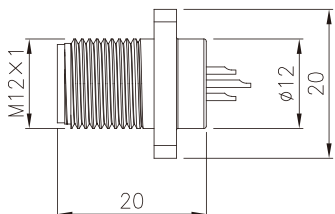
Core	Pins	Model	Core	Pins	Model
A	2	MC12AM-02F2LSLNS101	B	3	MC12BM-03F2LSLNS101
	3	MC12AM-03F2LSLNS101		4	MC12BM-04F2LSLNS101
	4	MC12AM-04F2LSLNS101		5	MC12BM-05F2LSLNS101
	5	MC12AM-05F2LSLNS101	C	3	MC12CM-03F2LSLNS101
	6	MC12AM-06F2LSLNS101		4	MC12CM-04F2LSLNS101
	8	MC12AM-08F2LSLNS101		5	MC12CM-05F2LSLNS101
	12	MC12AM-12F2LSLNS101		6	MC12CM-06F2LSLNS101
17	MC12AM-17F2LSLNS101	D	4	MC12DM-04F2LSLNS101	

M12 Male Plate Front Mount Solder M16\*1.5/PG9



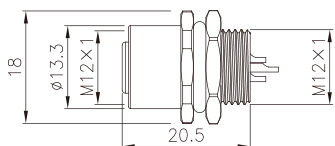
Core	Pins	Model	Core	Pins	Model
A	2	MC12AM-02F2LSLNS301	B	3	MC12BM-03F2LSLNS301
	3	MC12AM-03F2LSLNS301		4	MC12BM-04F2LSLNS301
	4	MC12AM-04F2LSLNS301		5	MC12BM-05F2LSLNS301
	5	MC12AM-05F2LSLNS301	C	3	MC12CM-03F2LSLNS301
	6	MC12AM-06F2LSLNS301		4	MC12CM-04F2LSLNS301
	8	MC12AM-08F2LSLNS301		5	MC12CM-05F2LSLNS301
	12	MC12AM-12F2LSLNS301	6	MC12CM-06F2LSLNS301	
17	MC12AM-17F2LSLNS301	D	4	MC12DM-04F2LSLNS301	
K	2	MC12KM-02F2LSLNS301	M	2	MC12MM-02F2LSLNS301
	2+PE	MC12KM-03F2LSLNS301		2+PE	MC12MM-03F2LSLNS301
	3+PE	MC12KM-04F2LSLNS301		3+PE	MC12MM-04F2LSLNS301
	4+PE	MC12KM-05F2LSLNS301		4+PE	MC12MM-05F2LSLNS301
L	2	MC12LM-02F2LSLNS301	S	5+PE	MC12MM-06F2LSLNS301
	2+FE	MC12LM-03FF2LSLNS301		2	MC12SM-02F2LSLNS301
	3	MC12LM-03RF2LSLNS301		2+PE	MC12SM-03F2LSLNS301
	3+FE	MC12LM-04FF2LSLNS301	3+PE	MC12SM-04F2LSLNS301	
	4	MC12LM-04RF2LSLNS301	T	2	MC12TM-02F2LSLNS301
4+FE	MC12LM-05FF2LSLNS301	2+PE		MC12TM-03F2LSLNS301	
				3+PE	MC12TM-04F2LSLNS301

## M12 MaleSquare FlangeS older



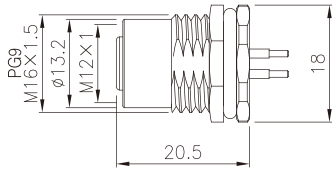
Core	Pins	Model	Core	Pins	Model
A	2	MC12AM-02F7LSLNS101	B	3	MC12BM-03F7LSLNS101
	3	MC12AM-03F7LSLNS101		4	MC12BM-04F7LSLNS101
	4	MC12AM-04F7LSLNS101		5	MC12BM-05F7LSLNS101
	5	MC12AM-05F7LSLNS101	C	3	MC12CM-03F7LSLNS101
	6	MC12AM-06F7LSLNS101		4	MC12CM-04F7LSLNS101
	8	MC12AM-08F7LSLNS101		5	MC12CM-05F7LSLNS101
	12	MC12AM-12F7LSLNS101		6	MC12CM-06F7LSLNS101
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## M12 Female Plate Front Mount Solder M12\*1



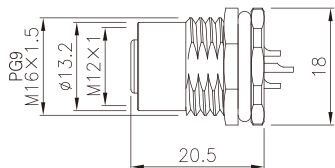
Core	Pins	Model	Core	Pins	Model
A	2	MC12AF-02F2LSLNS101	B	3	MC12BF-03F2LSLNS101
	3	MC12AF-03F2LSLNS101		4	MC12BF-04F2LSLNS101
	4	MC12AF-04F2LSLNS101		5	MC12BF-05F2LSLNS101
	5	MC12AF-05F2LSLNS101	C	3	MC12BF-03F2LSLNS101
	6	MC12AF-06F2LSLNS101		4	MC12BF-04F2LSLNS101
	8	MC12AF-08F2LSLNS101		5	MC12BF-05F2LSLNS101
	12	MC12AF-12F2LSLNS101		6	MC12BF-06F2LSLNS101
17	MC12AF-17F2LSLNS101	D	4	MC12BF-04F2LSLNS101	

## M12 Female Plate Rear Mount PCB M16\*1.5/PG9



Core	Pins	Model	Core	Pins	Model
A	2	MC12AF-02R2LDLNS301	B	3	MC12BF-03R2LDLNS301
	3	MC12AF-03R2LSLNS301		4	MC12BF-04R2LDLNS301
	4	MC12AF-04R2LDLNS301		5	MC12BF-05R2LDLNS301
	5	MC12AF-05R2LDLNS301	C	3	MC12CF-03R2LDLNS301
	6	MC12AF-06R2LDLNS301		4	MC12CF-04R2LDLNS301
	8	MC12AF-08R2LDLNS301		5	MC12CF-05R2LDLNS301
	12	MC12AF-12R2LDLNS301	6	MC12CF-06R2LDLNS301	
17	MC12AF-17R2LDLNS301	D	4	MC12DF-04R2LDLNS301	
K	2	MC12KF-02R2LDLNS301	M	2	MC12MF-02R2LDLNS301
	2+PE	MC12KF-03R2LDLNS301		2+PE	MC12MF-03R2LDLNS301
	3+PE	MC12KF-04R2LDLNS301		3+PE	MC12MF-04R2LDLNS301
	4+PE	MC12KF-05R2LDLNS301		4+PE	MC12MF-05R2LDLNS301
2	MC12LF-02R2LDLNS301	5+PE		MC12MF-06R2LDLNS301	
L	2+FE	MC12LF-03FR2LDLNS301	S	2	MC12SF-02R2LDLNS301
	3	MC12LF-03R2LDLNS301		2+PE	MC12SF-03R2LDLNS301
	3+FE	MC12LF-04FR2LDLNS301		3+PE	MC12SF-04R2LDLNS301
	4	MC12LF-04R2LDLNS301	T	2	MC12TF-02R2LDLNS301
	4+FE	MC12LF-05FR2LDLNS301		2+PE	MC12TF-03R2LDLNS301
			3+PE	MC12TF-04R2LDLNS301	

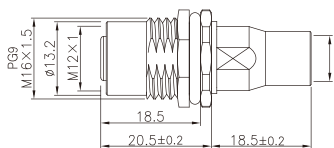
## M12 Female Plate Rear Mount Solder M16\*1.5/PG9



Core	Pins	Model	Core	Pins	Model
A	2	MC12AF-02R2LSLNS301	B	3	MC12BF-03R2LSLNS301
	3	MC12AF-03R2LSLNS301		4	MC12BF-04R2LSLNS301
	4	MC12AF-04R2LSLNS301		5	MC12BF-05R2LSLNS301
	5	MC12AF-05R2LSLNS301	C	3	MC12CF-03R2LSLNS301
	6	MC12AF-06R2LSLNS301		4	MC12CF-04R2LSLNS301
	8	MC12AF-08R2LSLNS301		5	MC12CF-05R2LSLNS301
	12	MC12AF-12R2LSLNS301	D	6	MC12CF-06R2LSLNS301
	17	MC12AF-17R2LSLNS301		4	MC12DF-04R2LSLNS301
K	2	MC12KF-02R2LSLNS301	M	2	MC12MF-02R2LSLNS301
	2+PE	MC12KF-03R2LSLNS301		2+PE	MC12MF-03R2LSLNS301
	3+PE	MC12KF-04R2LSLNS301		3+PE	MC12MF-04R2LSLNS301
	4+PE	MC12KF-05R2LSLNS301		4+PE	MC12MF-05R2LSLNS301
2	MC12LF-02R2LSLNS301	5+PE		MC12MF-06R2LSLNS301	
L	2+FE	MC12LF-03FR2LSLNS301	S	2	MC12SF-02R2LSLNS301
	3	MC12LF-03R2LSLNS301		2+PE	MC12SF-03R2LSLNS301
	3+FE	MC12LF-04FR2LSLNS301		3+PE	MC12SF-04R2LSLNS301
	4	MC12LF-04R2LSLNS301	T	2	MC12TF-02R2LSLNS301
	4+FE	MC12LF-05FR2LSLNS301		2+PE	MC12TF-03R2LSLNS301
			3+PE	MC12TF-04R2LSLNS301	

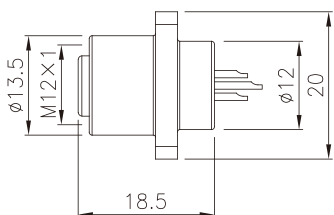


## M12 Female Plate Rear Mount Solder M16\*1.5/PG9 (shielded)



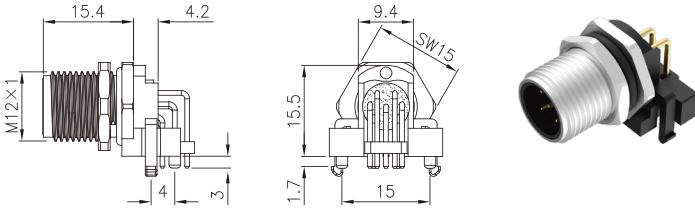
Core	Pins	Model	Core	Pins	Model
A	2	MC12AF-02R2LSLLS301	B	3	MC12BF-03R2LSLLS301
	3	MC12AF-03R2LSLLS301		4	MC12BF-04R2LSLLS301
	4	MC12AF-04R2LSLLS301		5	MC12BF-05R2LSLLS301
	5	MC12AF-05R2LSLLS301	C	3	MC12CF-03R2LSLLS301
	6	MC12AF-06R2LSLLS301		4	MC12CF-04R2LSLLS301
	8	MC12AF-08R2LSLLS301		5	MC12CF-05R2LSLLS301
	12	MC12AF-12R2LSLLS301		6	MC12CF-06R2LSLLS301
17	MC12AF-17R2LSLLS301	D	4	MC12DF-04R2LSLLS301	

## M12 Female Square Flange Solder



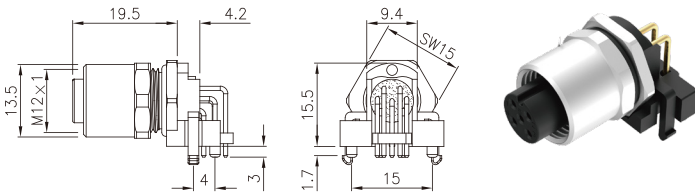
Core	Pins	Model	Core	Pins	Model
A	2	MC12AF-02F7LSLNS101	B	3	MC12BF-03F7LSLNS101
	3	MC12AF-03F7LSLNS101		4	MC12BF-04F7LSLNS101
	4	MC12AF-04F7LSLNS101		5	MC12BF-05F7LSLNS101
	5	MC12AF-05F7LSLNS101	C	3	MC12CF-03F7LSLNS101
	6	MC12AF-06F7LSLNS101		4	MC12CF-04F7LSLNS101
	8	MC12AF-08F7LSLNS101		5	MC12CF-05F7LSLNS101
	12	MC12AF-12F7LSLNS101		6	MC12CF-06F7LSLNS101
17	MC12AF-17F7LSLNS101	D	4	MC12DF-04F7LSLNS101	

### M12 Male Right Angle PCB M12\*1



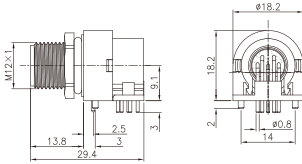
Core	Pins	Model	Core	Pins	Model
A	2	MC12AM-02R2LDLSR101	B	3	MC12BM-03R2LDLSR101
	3	MC12AM-03R2LDLSR101		4	MC12BM-04R2LDLSR101
	4	MC12AM-04R2LDLSR101		5	MC12BM-05R2LDLSR101
	5	MC12AM-05R2LDLSR101		D	4
	6	MC12AM-06R2LDLSR101			
	8	MC12AM-08R2LDLSR101			
	12	MC12AM-12R2LDLSR101			
	17	MC12AM-17R2LDLSR101			

### M12 Female Right Angle PCB M12\*1



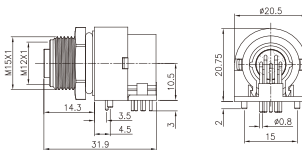
Core	Pins	Model	Core	Pins	Model
A	2	MC12AF-02R2LDLSR101	B	3	MC12BF-03R2LDLSR101
	3	MC12AF-03R2LDLSR101		4	MC12BF-04R2LDLSR101
	4	MC12AF-04R2LDLSR101		5	MC12BF-05R2LDLSR101
	5	MC12AF-05R2LDLSR101		D	4
	6	MC12AF-06R2LDLSR101			
	8	MC12AF-08R2LDLSR101			
	12	MC12AF-12R2LDLSR101			
	17	MC12AF-17R2LDLSR101			

## M12 Male Right Angle PCB M12\*1 wide-body



Core	Pins	Model	Core	Pins	Model
A	2	MC12AM-02R2LDLSR201	B	3	MC12BM-03R2LDLSR201
	3	MC12AM-03R2LDLSR201		4	MC12BM-04R2LDLSR201
	4	MC12AM-04R2LDLSR201		5	MC12BM-05R2LDLSR201
	5	MC12AM-05R2LDLSR201	D	4	MC12DM-04R2LDLSR201
	6	MC12AM-06R2LDLSR201			
	8	MC12AM-08R2LDLSR201			
	12	MC12AM-12R2LDLSR201			
17	MC12AM-17R2LDLSR201				

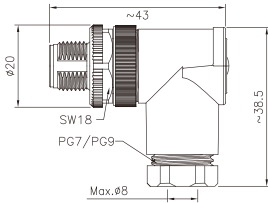
## M12 Female Right Angle PCB M12\*1 wide-body



Core	Pins	Model	Core	Pins	Model
A	2	MC12AF-02R2LDLSR201	B	3	MC12BF-03R2LDLSR201
	3	MC12AF-03R2LDLSR201		4	MC12BF-04R2LDLSR201
	4	MC12AF-04R2LDLSR201		5	MC12BF-05R2LDLSR201
	5	MC12AF-05R2LDLSR201	D	4	MC12DF-04R2LDLSR201
	6	MC12AF-06R2LDLSR201			
	8	MC12AF-08R2LDLSR201			
	12	MC12AF-12R2LDLSR201			
17	MC12AF-17R2LDLSR201				

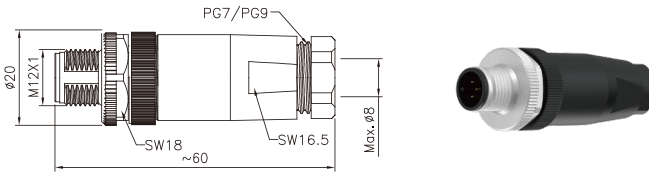
## M12 Assembly type

### M12 Male Right Angle Assembly Screw PG7/PG9



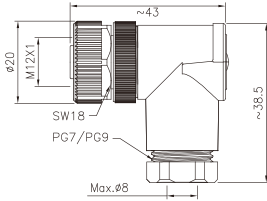
Core	Pins	Model	Core	Pins	Model
A	2	MC12AM-02N1LJMNR601	L	2	MC12LM-02N1LJMNR601
	3	MC12AM-03N1LJMNR601		2+FE	MC12LM-03FN1LJMNR601
	4	MC12AM-04N1LJMNR601		3	MC12LM-03N1LJMNR601
	5	MC12AM-05N1LJMNR601		3+FE	MC12LM-04FN1LJMNR601
	6	MC12AM-06N1LJMNR601		4	MC12LM-04N1LJMNR601
	8	MC12AM-08N1LJMNR601		4+FE	MC12LM-05FN1LJMNR601
B	3	MC12BM-03N1LJMNR601	M	2	MC12MM-02N1LJMNR601
	4	MC12BM-04N1LJMNR601		2+PE	MC12MM-03N1LJMNR601
	5	MC12BM-05N1LJMNR601		3+PE	MC12MM-04N1LJMNR601
D	4	MC12DM-04N1LJMNR601		4+PE	MC12MM-05N1LJMNR601
	2	MC12KM-02N1LJMNR601		5+PE	MC12MM-06N1LJMNR601
K	2+PE	MC12KM-03N1LJMNR601		S	2
	3+PE	MC12KM-04N1LJMNR601	2+PE		MC12SM-03N1LJMNR601
	4+PE	MC12KM-05N1LJMNR601	3+PE		MC12SM-04N1LJMNR601
			T	2	MC12TM-02N1LJMNR601
		2+PE		MC12TM-03N1LJMNR601	
		3+PE		MC12TM-04N1LJMNR601	

## M12 Male Straight Assembly Screw PG7/PG9



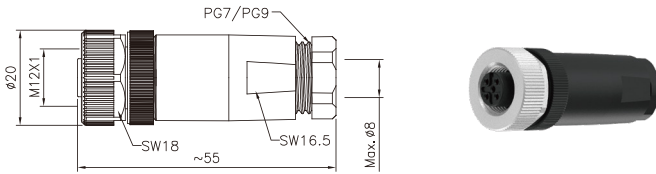
Core	Pins	Model	Core	Pins	Model
A	2	MC12AM-02N1LJMNS601	L	2	MC12LM-02N1LJMNS601
	3	MC12AM-03N1LJMNS601		2+FE	MC12LM-03FN1LJMNS601
	4	MC12AM-04N1LJMNS601		3	MC12LM-03N1LJMNS601
	5	MC12AM-05N1LJMNS601		3+FE	MC12LM-04FN1LJMNS601
	6	MC12AM-06N1LJMNS601		4	MC12LM-04N1LJMNS601
	8	MC12AM-08N1LJMNS601	4+FE	MC12LM-05FN1LJMNS601	
B	3	MC12BM-03N1LJMNS601	M	2	MC12MM-02N1LJMNS601
	4	MC12BM-04N1LJMNS601		2+PE	MC12MM-03N1LJMNS601
	5	MC12BM-05N1LJMNS601		3+PE	MC12MM-04N1LJMNS601
D	4	MC12DM-04N1LJMNS601		4+PE	MC12MM-05N1LJMNS601
				5+PE	MC12MM-06N1LJMNS601
K	2	MC12KM-02N1LJMNS601	S	2	MC12SM-02N1LJMNS601
	2+PE	MC12KM-03N1LJMNS601		2+PE	MC12SM-03N1LJMNS601
	3+PE	MC12KM-04N1LJMNS601		3+PE	MC12SM-04N1LJMNS601
	4+PE	MC12KM-05N1LJMNS601			
			T	2	MC12TM-02N1LJMNS601
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				3+PE	MC12TM-04N1LJMNS601

## M12 Female Straight Screw PG7/PG9



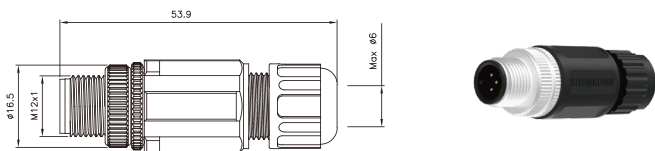
Core	Pins	Model	Core	Pins	Model
A	2	MC12AF-02N1LJMNR601	L	2	MC12LF-02N1LJMNR601
	3	MC12AF-03N1LJMNR601		2+FE	MC12LF-03FN1LJMNR601
	4	MC12AF-04N1LJMNR601		3	MC12LF-03N1LJMNR601
	5	MC12AF-05N1LJMNR601		3+FE	MC12LF-04FN1LJMNR601
	6	MC12AF-06N1LJMNR601		4	MC12LF-04N1LJMNR601
	8	MC12AF-08N1LJMNR601	4+FE	MC12LF-05FN1LJMNR601	
B	3	MC12BF-03N1LJMNR601	M	2	MC12MF-02N1LJMNR601
	4	MC12BF-04N1LJMNR601		2+PE	MC12MF-03N1LJMNR601
5	MC12BF-05N1LJMNR601	3+PE		MC12MF-04N1LJMNR601	
D	4	MC12DF-04N1LJMNR601		4+PE	MC12MF-05N1LJMNR601
				5+PE	MC12MF-06N1LJMNR601
K	2	MC12KF-02N1LJMNR601	S	2	MC12SF-02N1LJMNR601
	2+PE	MC12KF-03N1LJMNR601		2+PE	MC12SF-03N1LJMNR601
	3+PE	MC12KF-04N1LJMNR601		3+PE	MC12SF-04N1LJMNR601
	4+PE	MC12KF-05N1LJMNR601	T	2	MC12TF-02N1LJMNR601
				2+PE	MC12TF-03N1LJMNR601
				3+PE	MC12TF-04N1LJMNR601

## M12 Female Straight Assembly Screw PG7/PG9



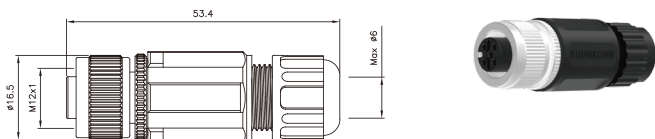
Core	Pins	Model	Core	Pins	Model
A	2	MC12AF-02N1LJMNS601	L	2	MC12LF-02N1LJMNS601
	3	MC12AF-03N1LJMNS601		2+FE	MC12LF-03FN1LJMNS601
	4	MC12AF-04N1LJMNS601		3	MC12LF-03N1LJMNS601
	5	MC12AF-05N1LJMNS601		3+FE	MC12LF-04FN1LJMNS601
	6	MC12AF-06N1LJMNS601		4	MC12LF-04N1LJMNS601
	8	MC12AF-08N1LJMNS601	4+FE	MC12LF-05FN1LJMNS601	
B	3	MC12BF-03N1LJMNS601	M	2	MC12MF-02N1LJMNS601
	4	MC12BF-04N1LJMNS601		2+PE	MC12MF-03N1LJMNS601
	5	MC12BF-05N1LJMNS601		3+PE	MC12MF-04N1LJMNS601
D	4	MC12DF-04N1LJMNS601		4+PE	MC12MF-05N1LJMNS601
				5+PE	MC12MF-06N1LJMNS601
K	2	MC12KF-02N1LJMNS601	S	2	MC12SF-02N1LJMNS601
	2+PE	MC12KF-03N1LJMNS601		2+PE	MC12SF-03N1LJMNS601
	3+PE	MC12KF-04N1LJMNS601		3+PE	MC12SF-04N1LJMNS601
	4+PE	MC12KF-05N1LJMNS601			
			T	2	MC12TF-02N1LJMNS601
				2+PE	MC12TF-03N1LJMNS601
				3+PE	MC12TF-04N1LJMNS601

## M12 Male Straight Assembly Solder



Core	Pins	Model	Core	Pins	Model
A	2	MC12AM-02N1LSMNS601	B	3	MC12BM-03N1LSMNS601
	3	MC12AM-03N1LSMNS601		4	MC12BM-04N1LSMNS601
	4	MC12AM-04N1LSMNS601		5	MC12BM-05N1LSMNS601
	5	MC12AM-05N1LSMNS601	S	2	MC12SM-04N1LSMNS601
	6	MC12AM-06N1LSMNS601		2+PE	MC12SM-04N1LSMNS601
	8	MC12AM-08N1LSMNS601		3+PE	MC12SM-05N1LSMNS601
	D	12	MC12AM-12N1LSMNS601	T	2
17		MC12AM-17N1LSMNS601	2+PE		MC12TM-03N1LSMNS601
4		MC12DM-04N1LSMNS601	3+PE		MC12TM-04N1LSMNS601

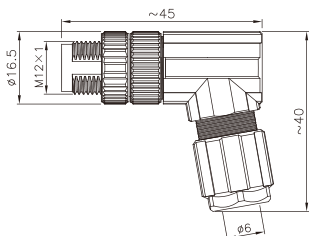
## M12 Female Straight Assembly Solder



Core	Pins	Model	Core	Pins	Model
A	2	MC12AF-02N1LSMNS601	B	3	MC12BF-03N1LSMNS601
	3	MC12AF-03N1LSMNS601		4	MC12BF-04N1LSMNS601
	4	MC12AF-04N1LSMNS601		5	MC12BF-05N1LSMNS601
	5	MC12AF-05N1LSMNS601	S	2	MC12SF-04N1LSMNS601
	6	MC12AF-06N1LSMNS601		2+PE	MC12SF-04N1LSMNS601
	8	MC12AF-08N1LSMNS601		3+PE	MC12SF-05N1LSMNS601
	D	12	MC12AF-12N1LSMNS601	T	2
17		MC12AF-17N1LSMNS601	2+PE		MC12TF-03N1LSMNS601
4		MC12DF-04N1LSMNS601	3+PE		MC12TF-04N1LSMNS601

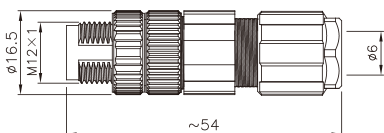


## M12 Male Right Angle Metal Assembly Solder



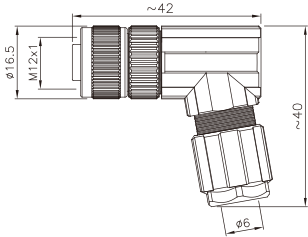
Core	Pins	Model	Core	Pins	Model
A	2	MC12AM-02N4LPLSR601	B	3	MC12BM-03N4LPLSR601
	3	MC12AM-03N4LPLSR601		4	MC12BM-04N4LPLSR601
	4	MC12AM-04N4LPLSR601		5	MC12BM-05N4LPLSR601
	5	MC12AM-05N4LPLSR601	D	4	MC12DM-04N4LPLSR601
	6	MC12AM-06N4LPLSR601	X	8	MC12XM-04N4LPLSR601
	8	MC12AM-08N4LPLSR601	Y	6	MC12YM-05N4LPLSR601
	12	MC12AM-12N4LPLSR601		8	MC12YM-02N4LPLSR601
17	MC12AM-17N4LPLSR601				

## M12 Male Straight Metal Assembly Solder



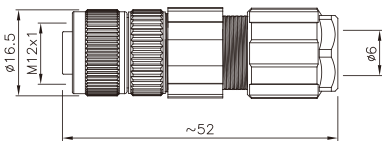
Core	Pins	Model	Core	Pins	Model
A	2	MC12AM-02N4LPLSS601	B	3	MC12BM-03N4LPLSS601
	3	MC12AM-03N4LPLSS601		4	MC12BM-04N4LPLSS601
	4	MC12AM-04N4LPLSS601		5	MC12BM-05N4LPLSS601
	5	MC12AM-05N4LPLSS601	D	4	MC12DM-04N4LPLSS601
	6	MC12AM-06N4LPLSS601	X	8	MC12XM-04N4LPLSS601
	8	MC12AM-08N4LPLSS601	Y	6	MC12YM-05N4LPLSS601
	12	MC12AM-12N4LPLSS601		8	MC12YM-02N4LPLSS601
17	MC12AM-17N4LPLSS601				

## M12 Female Right Angle Metal Assembly Solder



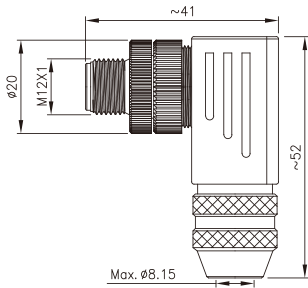
Core	Pins	Model	Core	Pins	Model
A	2	MC12AF-02N4LPLSR601	B	3	MC12BF-03N4LPLSR601
	3	MC12AF-03N4LPLSR601		4	MC12BF-04N4LPLSR601
	4	MC12AF-04N4LPLSR601		5	MC12BF-05N4LPLSR601
	5	MC12AF-05N4LPLSR601	D	4	MC12DF-04N4LPLSR601
	6	MC12AF-06N4LPLSR601	X	8	MC12XF-04N4LPLSR601
	8	MC12AF-08N4LPLSR601	Y	6	MC12YF-05N4LPLSR601
	12	MC12AF-12N4LPLSR601		8	MC12YF-02N4LPLSR601
17	MC12AF-17N4LPLSR601				

## M12 Female Straight Metal Assembly Solder



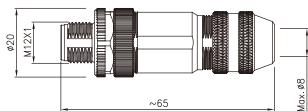
Core	Pins	Model	Core	Pins	Model
A	2	MC12AF-02N4LPLSS601	B	3	MC12BF-03N4LPLSS601
	3	MC12AF-03N4LPLSS601		4	MC12BF-04N4LPLSS601
	4	MC12AF-04N4LPLSS601		5	MC12BF-05N4LPLSS601
	5	MC12AF-05N4LPLSS601	D	4	MC12DF-04N4LPLSS601
	6	MC12AF-06N4LPLSS601	X	8	MC12XF-04N4LPLSS601
	8	MC12AF-08N4LPLSS601	Y	6	MC12YF-05N4LPLSS601
	12	MC12AF-12N4LPLSS601		8	MC12YF-02N4LPLSS601
17	MC12AF-17N4LPLSS601				

### M12 Male Right Angle Metal Assembly Screw PG7/PG9



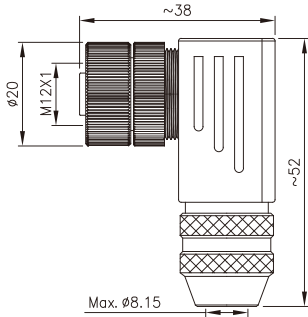
Core	Pins	Model	Core	Pins	Model
A	2	MC12AM-02N4LJZSR601	B	3	MC12BM-03N4LJZSR601
	3	MC12AM-03N4LJZSR601		4	MC12BM-04N4LJZSR601
	4	MC12AM-04N4LJZSR601		5	MC12BM-05N4LJZSR601
	5	MC12AM-05N4LJZSR601	D	4	MC12DM-04N4LJZSR601
	6	MC12AM-06N4LJZSR601			
	8	MC12AM-08N4LJZSR601			

### M12 Male Straight Metal Assembly Screw PG7/PG9



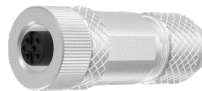
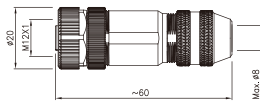
Core	Pins	Model	Core	Pins	Model
A	2	MC12AM-02N4LJZSS601	B	3	MC12BM-03N4LJZSS601
	3	MC12AM-03N4LJZSS601		4	MC12BM-04N4LJZSS601
	4	MC12AM-04N4LJZSS601		5	MC12BM-05N4LJZSS601
	5	MC12AM-05N4LJZSS601	D	4	MC12DM-04N4LJZSS601
	6	MC12AM-06N4LJZSS601			
	8	MC12AM-08N4LJZSS601			

### M12 Female Right Angle Metal Assembly Screw PG7/PG9



Core	Pins	Model	Core	Pins	Model
A	2	MC12AF-02N4LJZSR601	B	3	MC12BF-03N4LJZSR601
	3	MC12AF-03N4LJZSR601		4	MC12BF-04N4LJZSR601
	4	MC12AF-04N4LJZSR601		5	MC12BF-05N4LJZSR601
	5	MC12AF-05N4LJZSR601	D	4	MC12DF-04N4LJZSR601
	6	MC12AF-06N4LJZSR601			
	8	MC12AF-08N4LJZSR601			

### M12 Female Straight Metal Assembly Screw PG7/PG9



Core	Pins	Model	Core	Pins	Model
A	2	MC12AF-02N4LJZSS601	B	3	MC12BF-03N4LJZSS601
	3	MC12AF-03N4LJZSS601		4	MC12BF-04N4LJZSS601
	4	MC12AF-04N4LJZSS601		5	MC12BF-05N4LJZSS601
	5	MC12AF-05N4LJZSS601	D	4	MC12DF-04N4LJZSS601
	6	MC12AF-06N4LJZSS601			
	8	MC12AF-08N4LJZSS601			

# M12 Precast Cable

M12 Male Straight Overmolding Type



Core	Pins	Model	Core	Pins	Model
A	2	MB12AM-025LSSTXXXXX01	B	3	MB12BM-035LSSTXXXXX01
	3	MB12AM-035LSSTXXXXX01		4	MB12BM-045LSSTXXXXX01
	4	MB12AM-045LSSTXXXXX01		5	MB12BM-055LSSTXXXXX01
	5	MB12AM-055LSSTXXXXX01	C	3	MB12CM-035LSSTXXXXX01
	6	MB12AM-065LSSTXXXXX01		4	MB12CM-045LSSTXXXXX01
	8	MB12AM-085LSSTXXXXX01		5	MB12CM-055LSSTXXXXX01
	12	MB12AM-125LSSTXXXXX01	D	6	MB12CM-065LSSTXXXXX01
17	MB12AM-175LSSTXXXXX01	4		MB12DM-045LSSTXXXXX01	
K	2	MB12KM-025LSSTXXXXX01	M	2	MB12MM-025LSSTXXXXX01
	2+PE	MB12KM-035LSSTXXXXX01		2+PE	MB12MM-035LSSTXXXXX01
	3+PE	MB12KM-045LSSTXXXXX01		3+PE	MB12MM-045LSSTXXXXX01
	4+PE	MB12KM-055LSSTXXXXX01		4+PE	MB12MM-055LSSTXXXXX01
L	2	MB12LM-025LSSTXXXXX01	S	5+PE	MB12MM-065LSSTXXXXX01
	2+FE	MB12LM-03F5LSSTXXXXX01		2	MB12SM-025LSSTXXXXX01
	3	MB12LM-035LSSTXXXXX01		2+PE	MB12SM-035LSSTXXXXX01
	3+FE	MB12LM-04F5LSSTXXXXX01	3+PE	MB12SM-045LSSTXXXXX01	
	4	MB12LM-045LSSTXXXXX01	T	2	MB12TM-025LSSTXXXXX01
4+FE	MB12LM-05F5LSSTXXXXX01	2+PE		MB12TM-035LSSTXXXXX01	
X	8	MB12XM-085LSSTXXXXX01		3+PE	MB12TM-045LSSTXXXXX01
Y	6	MB12YM-065LSSTXXXXX01			
	8	MB12YM-085LSSTXXXXX01			

## M12 Female Straight Overmolding Type



Core	Pins	Model	Core	Pins	Model
A	2	MB12AF-025LSSTXXXXX01	B	3	MB12BF-035LSSTXXXXX01
	3	MB12AF-035LSSTXXXXX01		4	MB12BF-045LSSTXXXXX01
	4	MB12AF-045LSSTXXXXX01		5	MB12BF-055LSSTXXXXX01
	5	MB12AF-055LSSTXXXXX01	C	3	MB12CF-035LSSTXXXXX01
	6	MB12AF-065LSSTXXXXX01		4	MB12CF-045LSSTXXXXX01
	8	MB12AF-085LSSTXXXXX01		5	MB12CF-055LSSTXXXXX01
	12	MB12AF-125LSSTXXXXX01	6	MB12CF-065LSSTXXXXX01	
17	MB12AF-175LSSTXXXXX01	D	4	MB12DF-045LSSTXXXXX01	
K	2	MB12KF-025LSSTXXXXX01	M	2	MB12MF-025LSSTXXXXX01
	2+PE	MB12KF-035LSSTXXXXX01		2+PE	MB12MF-035LSSTXXXXX01
	3+PE	MB12KF-045LSSTXXXXX01		3+PE	MB12MF-045LSSTXXXXX01
	4+PE	MB12KF-055LSSTXXXXX01		4+PE	MB12MF-055LSSTXXXXX01
L	2	MB12LF-025LSSTXXXXX01	S	5+PE	MB12MF-065LSSTXXXXX01
	2+FE	MB12LF-03F5LSSTXXXXX01		2	MB12SF-025LSSTXXXXX01
	3	MB12LF-035LSSTXXXXX01		2+PE	MB12SF-035LSSTXXXXX01
	3+FE	MB12LF-04F5LSSTXXXXX01	3+PE	MB12SF-045LSSTXXXXX01	
	4	MB12LF-045LSSTXXXXX01	T	2	MB12TF-025LSSTXXXXX01
4+FE	MB12LF-05F5LSSTXXXXX01	2+PE		MB12TF-035LSSTXXXXX01	
X	8	MB12XF-085LSSTXXXXX01		3+PE	MB12TF-045LSSTXXXXX01
Y	6	MB12YF-065LSSTXXXXX01			
	8	MB12YF-085LSSTXXXXX01			

## M12 Male Right Angle Overmolding Type



Core	Pins	Model	Core	Pins	Model
A	2	MB12AM-025LSRAXXXX01	B	3	MB12BM-035LSRAXXXX01
	3	MB12AM-035LSRAXXXX01		4	MB12BM-045LSRAXXXX01
	4	MB12AM-045LSRAXXXX01		5	MB12BM-055LSRAXXXX01
	5	MB12AM-055LSRAXXXX01	C	3	MB12CM-035LSRAXXXX01
	6	MB12AM-065LSRAXXXX01		4	MB12CM-045LSRAXXXX01
	8	MB12AM-085LSRAXXXX01		5	MB12CM-055LSRAXXXX01
	12	MB12AM-125LSRAXXXX01	6	MB12CM-065LSRAXXXX01	
17	MB12AM-175LSRAXXXX01	D	4	MB12DM-045LSRAXXXX01	
K	2	MB12KM-025LSRAXXXX01	M	2	MB12MM-025LSRAXXXX01
	2+PE	MB12KM-035LSRAXXXX01		2+PE	MB12MM-035LSRAXXXX01
	3+PE	MB12KM-045LSRAXXXX01		3+PE	MB12MM-045LSRAXXXX01
	4+PE	MB12KM-055LSRAXXXX01		4+PE	MB12MM-055LSRAXXXX01
L	2	MB12LM-025LSRAXXXX01	S	5+PE	MB12MM-065LSRAXXXX01
	2+FE	MB12LM-03F5LSRAXXXX01		2	MB12SM-025LSRAXXXX01
	3	MB12LM-035LSRAXXXX01		2+PE	MB12SM-035LSRAXXXX01
	3+FE	MB12LM-04F5LSRAXXXX01	3+PE	MB12SM-045LSRAXXXX01	
	4	MB12LM-045LSRAXXXX01	T	2	MB12TM-025LSRAXXXX01
4+FE	MB12LM-05F5LSRAXXXX01	2+PE		MB12TM-035LSRAXXXX01	
X	8	MB12XM-085LSRAXXXX01		3+PE	MB12TM-045LSRAXXXX01
Y	6	MB12YM-065LSRAXXXX01			
	8	MB12YM-085LSRAXXXX01			


























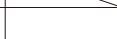













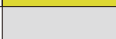









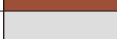














## M12 Female Right Angle Overmolding Type



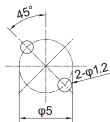
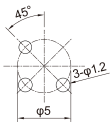
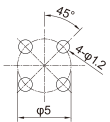
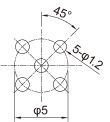
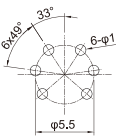
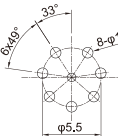
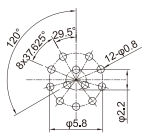
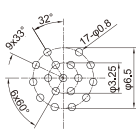
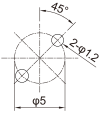
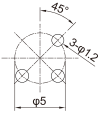
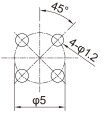
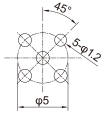
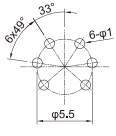
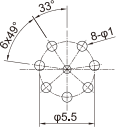
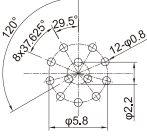
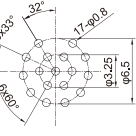
Core	Pins	Model	Core	Pins	Model
A	2	MB12AF-025LSRAXXXXX01	B	3	MB12BF-035LSRAXXXXX01
	3	MB12AF-035LSRAXXXXX01		4	MB12BF-045LSRAXXXXX01
	4	MB12AF-045LSRAXXXXX01		5	MB12BF-055LSRAXXXXX01
	5	MB12AF-055LSRAXXXXX01	C	3	MB12CF-035LSRAXXXXX01
	6	MB12AF-065LSRAXXXXX01		4	MB12CF-045LSRAXXXXX01
	8	MB12AF-085LSRAXXXXX01		5	MB12CF-055LSRAXXXXX01
	12	MB12AF-125LSRAXXXXX01	D	6	MB12CF-065LSRAXXXXX01
17	MB12AF-175LSRAXXXXX01	4		MB12DF-045LSRAXXXXX01	
K	2	MB12KF-025LSRAXXXXX01	M	2	MB12MF-025LSRAXXXXX01
	2+PE	MB12KF-035LSRAXXXXX01		2+PE	MB12MF-035LSRAXXXXX01
	3+PE	MB12KF-045LSRAXXXXX01		3+PE	MB12MF-045LSRAXXXXX01
	4+PE	MB12KF-055LSRAXXXXX01		4+PE	MB12MF-055LSRAXXXXX01
2	MB12LF-025LSRAXXXXX01	5+PE		MB12MF-065LSRAXXXXX01	
L	2+FE	MB12LF-03F5LSRAXXXXX01	S	2	MB12SF-025LSRAXXXXX01
	3	MB12LF-035LSRAXXXXX01		2+PE	MB12SF-035LSRAXXXXX01
	3+FE	MB12LF-04F5LSRAXXXXX01		3+PE	MB12SF-045LSRAXXXXX01
	4	MB12LF-045LSRAXXXXX01	T	2	MB12TF-025LSRAXXXXX01
	4+FE	MB12LF-05F5LSRAXXXXX01		2+PE	MB12TF-035LSRAXXXXX01
X	8	MB12XF-085LSRAXXXXX01	3+PE	MB12TF-045LSRAXXXXX01	
Y	6	MB12YF-065LSRAXXXXX01			
	8	MB12YF-085LSRAXXXXX01			



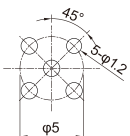
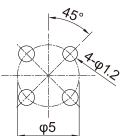
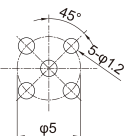
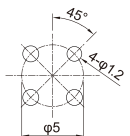
# M12 Cable Definition

Pins	2 Pin Core Color		Pins	3 Pin Core Color		Pins	4 Pin Core Color A B Code	
1	BN		1	BN		1	BN	
2	-		2	-		2	WH	
3	BU		3	BU		3	BU	
			4	BK		4	BK	
Pins	4 Pin Core Color D Code		Pins	5 Pin Core Color		Pins	6 Pin Core Color	
1	YE		1	BN		1	BN	
2	WH		2	WH		2	WH	
3	OG		3	BU		3	BU	
4	BU		4	BK		4	BK	
			5	GY		5	-	
						6	GY	
						7	RD	
Pins	8 Pin Core Color		Pins	12 Pin Core Color		Pins	17 Pin Core Color	
1	WH		1	BN		1	BN	
2	BN		2	BU		2	BU	
3	GN		3	WH		3	WH	
4	YE		4	GN		4	GN	
5	GY		5	PK		5	PK	
6	PK		6	YE		6	YE	
7	BU		7	BK		7	BK	
8	RD		8	GY		8	GY	
			9	RD		9	RD	
			10	VT		10	VT	
			11	OG		11	OG	
			12	LTGN		12	LTGN	
						13	LTBU	
						14	BKWH	
						15	BNWH	
						16	RDWH	
						17	BUWH	

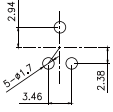
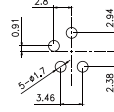
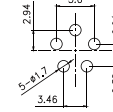
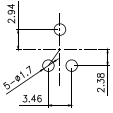
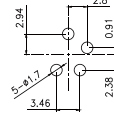
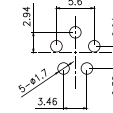
## M12 A Core PCB Pins Arrangement

Core Position	2	3	4	5
Male				
	6	8	12	17
				
	Core Position	2	3	4
Female				
	6	8	12	17
				
	Core Position	2	3	4

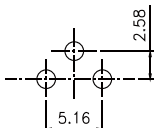
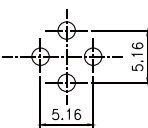
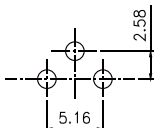
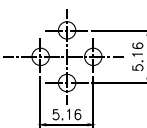
## M12 B D Core PCB Pins Arrangement

Core Position	5B	4D	Core Position	5B	4D
Male			Female		

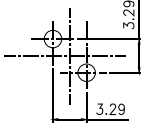
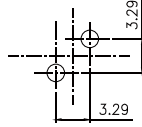
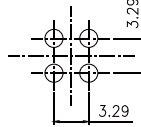
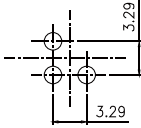
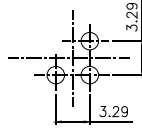
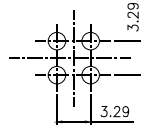
## M12 K L Core PCB Pins Arrangement

Core Position	3K/3L	4K/4L	5K/5L
Male			
Core Position	3K/3L	4K/4L	5K/5L
Female			

## M12 S Core PCB Pins Arrangement

Core Position	3	4	Core Position	3	4
Male			Female		

## M12 T Core PCB Pins Arrangement

Core Position	2	3	4
Male			
Core Position	2	3	4
Female			

# M12 X Y Core PCB Pins Arrangement

Core Position	8X	6Y	8Y
Pins Arrangement			

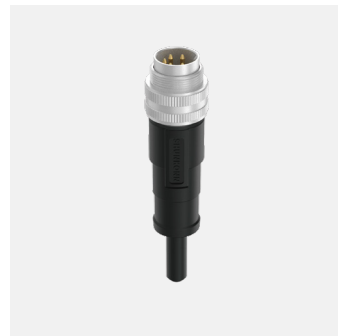
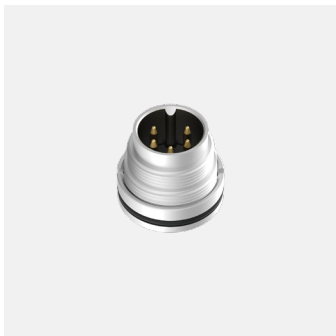
## M16 Series



- |  |   |
|--|---|
| <p>Prefabricated cables</p> <ul style="list-style-type: none"> <li>■ Locking complies with DIN EN 61076-2-106</li> <li>■ Pin configuration: 2-24 pins</li> <li>■ Comply with IP67/IP68 waterproof requirements</li> <li>■ Overmolding Type</li> <li>■ Connector locked with M16 × 0.75screws</li> <li>■ Cable length can be increased as required</li> </ul> | <p>Panel installation</p> <ul style="list-style-type: none"> <li>■ Locking complies with DIN EN 61076-2-106</li> <li>■ Pin configuration: 2-24 pins</li> <li>■ Comply with IP67/IP68 waterproof requirements</li> <li>■ Quick assembly</li> <li>■ Connector locked with M16 × 0.75screws</li> <li>■ Solder/dipping termination/single wire</li> </ul> |
|--|---|

Our M16 circular connectors and cables are designed to meet the growing demand for sensors, actuators and data connections in process control, industrial machinery and factory automation applications. Compact sensor and automation connectors with quick screw-lock coupling are mechanically and chemically robust, easy to install, minimize downtime and help increase productivity.

Our M16 series features IP67/IP68 standards to ensure safe and reliable protection from liquids, dust, moisture and dirt, while also providing robust vibration resistance to ensure uninterrupted connections. The connectors are available from 2-24 pins. Straight and right angle configurations and metal and plastic housing options are also available.



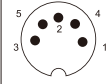
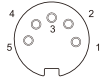
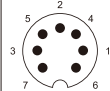
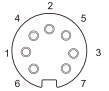
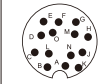

## Product Parameters

Housing material	Nickel-plated brass	Contact resistance	≤5mΩ
Sealing material	Epoxy resin/rubber	Durability	≥500 times
Contact material	Phosphorus copper gold plating/brass gold plating	Insulation resistor	100 mΩ
Insulation material	PA	Applicable temperature	-20°C To +80°C
Modeling materials	TPU/PVC/PUR	Waterproof grade	IP67 / IP68

## M16 Common Core Electrical Parameters

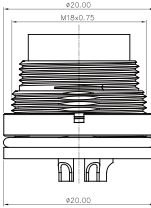
Pins	Male	Female	Rated Voltage		Rated Current	Conductor Size	
			AC	DC		AWG	mm <sup>2</sup>
2			250V	32V	7A	20	0.75
3			250V	32V	7A	20	0.75
4			250V	32V	7A	20	0.75
5			250V	32V	7A	20	0.75
6			250V	32V	5A	20	0.75
7			125V	32V	5A	20	0.75
8			60V	32V	5A	20	0.75
12			60V	32V	3A	24	0.14
14			60V	32V	3A	24	0.25
16			60V	32V	3A	24	0.25
19			60V	32V	1A	24	0.25
24			60V	32V	1A	24	0.25

## M16 A Core Electrical Parameters

Pins	Male	Female	Rated Voltage		Rated Current	Conductor Size	
			AC	DC		AWG	mm <sup>2</sup>
5			250V	32V	7A	20	0.75
7			125V	32V	7A	20	0.75
14			60V	32V	3A	20	0.75

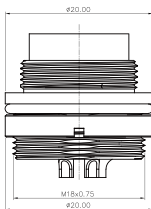
# M16 Panel Installation

## M16 Male Plate Rear Mount Solder M18\*0.75



Core	Pins	Model	Core	Pins	Model
Common type	2	MC16NM-02R2LSLNS401	Common type	14	MC16NM-14R2LSLNS401
	3	MC16NM-03R2LSLNS401		16	MC16NM-16R2LSLNS401
	4	MC16NM-04R2LSLNS401		19	MC16NM-19R2LSLNS401
	5	MC16NM-05R2LSLNS401		24	MC16NM-24R2LSLNS401
	6	MC16NM-06R2LSLNS401	A	5	MC16AM-05R2LSLNS401
	7	MC16NM-07R2LSLNS401		7	MC16AM-07R2LSLNS401
	8	MC16NM-08R2LSLNS401		14	MC16AM-14R2LSLNS401
	12	MC16NM-12R2LSLNS401			

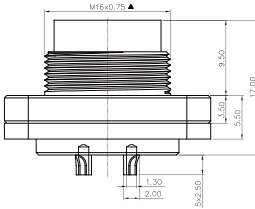
## M16 Male Plate Front Mount Solder M18\*0.75



Core	Pins	Model	Core	Pins	Model
Common type	2	MC16NM-02F2LSLNS401	Common type	14	MC16NM-14F2LSLNS401
	3	MC16NM-03F2LSLNS401		16	MC16NM-16F2LSLNS401
	4	MC16NM-04F2LSLNS401		19	MC16NM-19F2LSLNS401
	5	MC16NM-05F2LSLNS401		24	MC16NM-24F2LSLNS401
	6	MC16NM-06F2LSLNS401	A	5	MC16AM-05F2LSLNS401
	7	MC16NM-07F2LSLNS401		7	MC16AM-07F2LSLNS401
	8	MC16NM-08F2LSLNS401		14	MC16AM-14F2LSLNS401
	12	MC16NM-12F2LSLNS401			

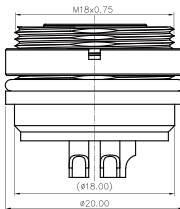


## M16 Male Square Flange Solder



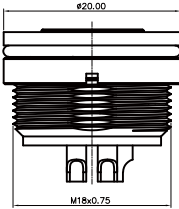
Core	Pins	Model	Core	Pins	Model
Common type	2	MC16NM-02F7LSLNS401	Common type	14	MC16NM-14F7LSLNS401
	3	MC16NM-03F7LSLNS401		16	MC16NM-16F7LSLNS401
	4	MC16NM-04F7LSLNS401		19	MC16NM-19F7LSLNS401
	5	MC16NM-05F7LSLNS401		24	MC16NM-24F7LSLNS401
	6	MC16NM-06F7LSLNS401	A	5	MC16AM-05F7LSLNS401
	7	MC16NM-07F7LSLNS401		7	MC16AM-07F7LSLNS401
	8	MC16NM-08F7LSLNS401		14	MC16AM-14F7LSLNS401
	12	MC16NM-12F7LSLNS401			

## M16 Female Plate Rear Mount Solder M18\*0.75



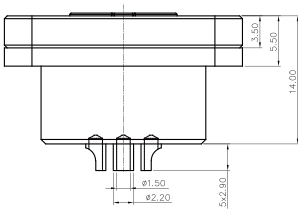
Core	Pins	Model	Core	Pins	Model
Common type	2	MC16NF-02R2LSLNS401	Common type	14	MC16NF-14R2LSLNS401
	3	MC16NF-03R2LSLNS401		16	MC16NF-16R2LSLNS401
	4	MC16NF-04R2LSLNS401		19	MC16NF-19R2LSLNS401
	5	MC16NF-05R2LSLNS401		24	MC16NF-24R2LSLNS401
	6	MC16NF-06R2LSLNS401	A	5	MC16AF-05R2LSLNS401
	7	MC16NF-07R2LSLNS401		7	MC16AF-07R2LSLNS401
	8	MC16NF-08R2LSLNS401		14	MC16AF-14R2LSLNS401
	12	MC16NF-12R2LSLNS401			

## M16 Female Plate Front Mount Solder M18\*0.75



Core	Pins	Model	Core	Pins	Model
Common type	2	MC16NF-02F2LSLNS401	Common type	14	MC16NF-14F2LSLNS401
	3	MC16NF-03F2LSLNS401		16	MC16NF-16F2LSLNS401
	4	MC16NF-04F2LSLNS401		19	MC16NF-19F2LSLNS401
	5	MC16NF-05F2LSLNS401		24	MC16NF-24F2LSLNS401
	6	MC16NF-06F2LSLNS401	A	5	MC16AF-05F2LSLNS401
	7	MC16NF-07F2LSLNS401		7	MC16AF-07F2LSLNS401
	8	MC16NF-08F2LSLNS401		14	MC16AF-14F2LSLNS401
	12	MC16NF-12F2LSLNS401			

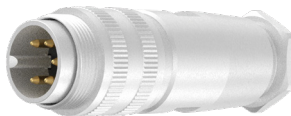
## M16 Female Square Flange Solder



Core	Pins	Model	Core	Pins	Model
Common type	2	MC16NF-02F7LSLNS401	Common type	14	MC16NF-14F7LSLNS401
	3	MC16NF-03F7LSLNS401		16	MC16NF-16F7LSLNS401
	4	MC16NF-04F7LSLNS401		19	MC16NF-19F7LSLNS401
	5	MC16NF-05F7LSLNS401		24	MC16NF-24F7LSLNS401
	6	MC16NF-06F7LSLNS401	A	5	MC16AF-05F7LSLNS401
	7	MC16NF-07F7LSLNS401		7	MC16AF-07F7LSLNS401
	8	MC16NF-08F7LSLNS401		14	MC16AF-14F7LSLNS401
	12	MC16NF-12F7LSLNS401			

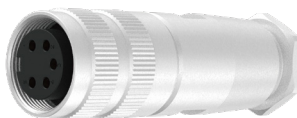
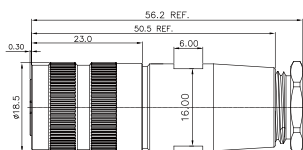
## M16 Assembly type

### M16 Male Straight Metal Assembly Solder



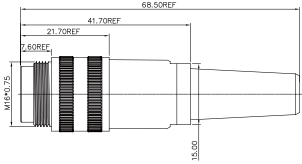
Core	Pins	Model	Core	Pins	Model
Common type	2	MC16NM-02U4LSLNS401	Common type	14	MC16NM-14U4LSLNS401
	3	MC16NM-03U4LSLNS401		16	MC16NM-16U4LSLNS401
	4	MC16NM-04U4LSLNS401		19	MC16NM-19U4LSLNS401
	5	MC16NM-05U4LSLNS401		24	MC16NM-24U4LSLNS401
	6	MC16NM-06U4LSLNS401	A	5	MC16AM-05U4LSLNS401
	7	MC16NM-07U4LSLNS401		7	MC16AM-07U4LSLNS401
	8	MC16NM-08U4LSLNS401		14	MC16AM-14U4LSLNS401
	12	MC16NM-12U4LSLNS401			

### M16 female Straight Metal Assembly Solder



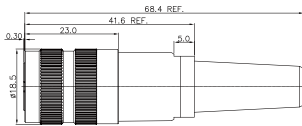
Core	Pins	Model	Core	Pins	Model
Common type	2	MC16NF-02U4LSLNS401	Common type	14	MC16NF-14U4LSLNS401
	3	MC16NF-03U4LSLNS401		16	MC16NF-16U4LSLNS401
	4	MC16NF-04U4LSLNS401		19	MC16NF-19U4LSLNS401
	5	MC16NF-05U4LSLNS401		24	MC16NF-24U4LSLNS401
	6	MC16NF-06U4LSLNS401	A	5	MC16AF-05U4LSLNS401
	7	MC16NF-07U4LSLNS401		7	MC16AF-07U4LSLNS401
	8	MC16NF-08U4LSLNS401		14	MC16AF-14U4LSLNS401
	12	MC16NF-12U4LSLNS401			

## M16 Male Straight Assembly Solder Plastic tube



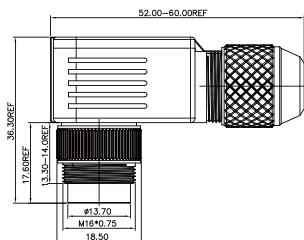
Core	Pins	Model	Core	Pins	Model
Common type	2	MC16NM-02U4LSLNS402	Common type	14	MC16NM-14U4LSLNS402
	3	MC16NM-03U4LSLNS402		16	MC16NM-16U4LSLNS402
	4	MC16NM-04U4LSLNS402		19	MC16NM-19U4LSLNS402
	5	MC16NM-05U4LSLNS402		24	MC16NM-24U4LSLNS402
	6	MC16NM-06U4LSLNS402	A	5	MC16AM-05U4LSLNS402
	7	MC16NM-07U4LSLNS402		7	MC16AM-07U4LSLNS402
	8	MC16NM-08U4LSLNS402		14	MC16AM-14U4LSLNS402
	12	MC16NM-12U4LSLNS402			

## M16 Female Straight Assembly Solder Plastic tube



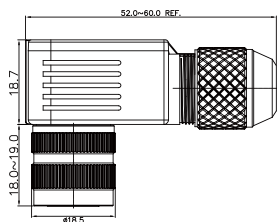
Core	Pins	Model	Core	Pins	Model
Common type	2	MC16NF-02U4LSLNS402	Common type	14	MC16NF-14U4LSLNS402
	3	MC16NF-03U4LSLNS402		16	MC16NF-16U4LSLNS402
	4	MC16NF-04U4LSLNS402		19	MC16NF-19U4LSLNS402
	5	MC16NF-05U4LSLNS402		24	MC16NF-24U4LSLNS402
	6	MC16NF-06U4LSLNS402	A	5	MC16AF-05U4LSLNS402
	7	MC16NF-07U4LSLNS402		7	MC16AF-07U4LSLNS402
	8	MC16NF-08U4LSLNS402		14	MC16AF-14U4LSLNS402
	12	MC16NF-12U4LSLNS402			

## M16 Male Right Angle Metal Assembly Solder



Core	Pins	Model	Core	Pins	Model
Common type	2	MC16NM-02U4LSANR401	Common type	14	MC16NM-14U4LSANR401
	3	MC16NM-03U4LSANR401		16	MC16NM-16U4LSANR401
	4	MC16NM-04U4LSANR401		19	MC16NM-19U4LSANR401
	5	MC16NM-05U4LSANR401		24	MC16NM-24U4LSANR401
	6	MC16NM-06U4LSANR401	A	5	MC16AM-05U4LSANR401
	7	MC16NM-07U4LSANR401		7	MC16AM-07U4LSANR401
	8	MC16NM-08U4LSANR401		14	MC16AM-14U4LSANR401
	12	MC16NM-12U4LSANR401			

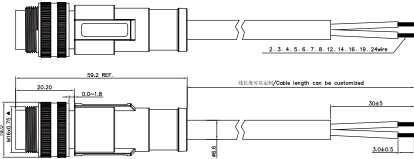
## M16 Female Right Angle Metal Assembly Solder



Core	Pins	Model	Core	Pins	Model
Common type	2	MC16NF-02U4LSANR401	Common type	14	MC16NF-14U4LSANR401
	3	MC16NF-03U4LSANR401		16	MC16NF-16U4LSANR401
	4	MC16NF-04U4LSANR401		19	MC16NF-19U4LSANR401
	5	MC16NF-05U4LSANR401		24	MC16NF-24U4LSANR401
	6	MC16NF-06U4LSANR401	A	5	MC16AF-05U4LSANR401
	7	MC16NF-07U4LSANR401		7	MC16AF-07U4LSANR401
	8	MC16NF-08U4LSANR401		14	MC16AF-14U4LSANR401
	12	MC16NF-12U4LSANR401			

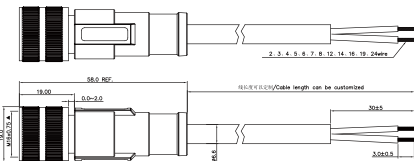
# M16 Precast Cable

## M16 Male Straight Overmolding Type



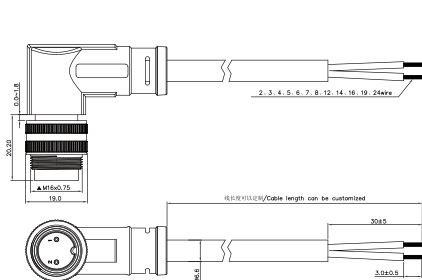
Core	Pins	Model	Core	Pins	Model
Common type	2	MB16NM-025LSSTXXXXX01	Common type	14	MB16NM-145LSSTXXXXX01
	3	MB16NM-035LSSTXXXXX01		16	MB16NM-165LSSTXXXXX01
	4	MB16NM-045LSSTXXXXX01		19	MB16NM-195LSSTXXXXX01
	5	MB16NM-055LSSTXXXXX01		24	MB16NM-245LSSTXXXXX01
	6	MB16NM-065LSSTXXXXX01	A	5	MB16AM-055LSSTXXXXX01
	7	MB16NM-075LSSTXXXXX01		7	MB16AM-075LSSTXXXXX01
	8	MB16NM-085LSSTXXXXX01		14	MB16AM-145LSSTXXXXX01
	12	MB16NM-125LSSTXXXXX01			

## M16 Female Straight Overmolding Type



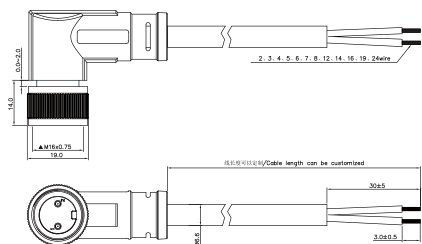
Core	Pins	Model	Core	Pins	Model
Common type	2	MB16NF-025LSSTXXXXX01	Common type	14	MB16NF-145LSSTXXXXX01
	3	MB16NF-035LSSTXXXXX01		16	MB16NF-165LSSTXXXXX01
	4	MB16NF-045LSSTXXXXX01		19	MB16NF-195LSSTXXXXX01
	5	MB16NF-055LSSTXXXXX01		24	MB16NF-245LSSTXXXXX01
	6	MB16NF-065LSSTXXXXX01	A	5	MB16AF-055LSSTXXXXX01
	7	MB16NF-075LSSTXXXXX01		7	MB16AF-075LSSTXXXXX01
	8	MB16NF-085LSSTXXXXX01		14	MB16AF-145LSSTXXXXX01
	12	MB16NF-125LSSTXXXXX01			

## M16 Male Right Angle Overmolding Type



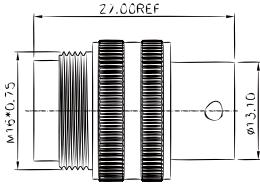
Core	Pins	Model	Core	Pins	Model
Common type	2	MB16NM-025LSRAXXXX01	Common type	14	MB16NM-145LSRAXXXX01
	3	MB16NM-035LSRAXXXX01		16	MB16NM-165LSRAXXXX01
	4	MB16NM-045LSRAXXXX01		19	MB16NM-195LSRAXXXX01
	5	MB16NM-055LSRAXXXX01		24	MB16NM-245LSRAXXXX01
	6	MB16NM-065LSRAXXXX01	A	5	MB16AM-055LSRAXXXX01
	7	MB16NM-075LSRAXXXX01		7	MB16AM-075LSRAXXXX01
	8	MB16NM-085LSRAXXXX01		14	MB16AM-145LSRAXXXX01
	12	MB16NM-125LSRAXXXX01			

## M16 Female Right Angle Overmolding Type



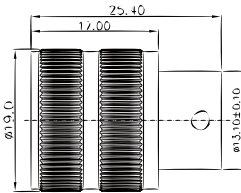
Core	Pins	Model	Core	Pins	Model
Common type	2	MB16NF-025LSRAXXXX01	Common type	14	MB16NF-145LSRAXXXX01
	3	MB16NF-035LSRAXXXX01		16	MB16NF-165LSRAXXXX01
	4	MB16NF-045LSRAXXXX01		19	MB16NF-195LSRAXXXX01
	5	MB16NF-055LSRAXXXX01		24	MB16NF-245LSRAXXXX01
	6	MB16NF-065LSRAXXXX01	A	5	MB16AF-055LSRAXXXX01
	7	MB16NF-075LSRAXXXX01		7	MB16AF-075LSRAXXXX01
	8	MB16NF-085LSRAXXXX01		14	MB16AF-145LSRAXXXX01
	12	MB16NF-125LSRAXXXX01			

## M16 Male Overmolding Type



Core	Pins	Model	Core	Pins	Model
Common type	2	MC16NM-02U5LSLSS401	A	14	MC16NM-14U5LSLSS401
	3	MC16NM-03U5LSLSS401		16	MC16NM-16U5LSLSS401
	4	MC16NM-04U5LSLSS401		19	MC16NM-19U5LSLSS401
	5	MC16NM-05U5LSLSS401		24	MC16NM-24U5LSLSS401
	6	MC16NM-06U5LSLSS401		5	MC16AM-05U5LSLSS401
	7	MC16NM-07U5LSLSS401		7	MC16AM-07U5LSLSS401
	8	MC16NM-08U5LSLSS401		14	MC16AM-14U5LSLSS401
	12	MC16NM-12U5LSLSS401			

## M16 Female Overmolding Type



Common type	2	MC16NF-02U5LSLSS401	A	14	MC16NF-14U5LSLSS401
	3	MC16NF-03U5LSLSS401		16	MC16NF-16U5LSLSS401
	4	MC16NF-04U5LSLSS401		19	MC16NF-19U5LSLSS401
	5	MC16NF-05U5LSLSS401		24	MC16NF-24U5LSLSS401
	6	MC16NF-06U5LSLSS401		5	MC16AF-05U5LSLSS401
	7	MC16NF-07U5LSLSS401		7	MC16AF-07U5LSLSS401
	8	MC16NF-08U5LSLSS401		14	MC16AF-14U5LSLSS401
	12	MC16NF-12U5LSLSS401			



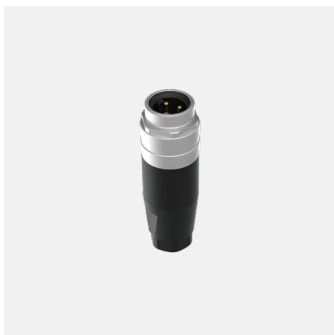
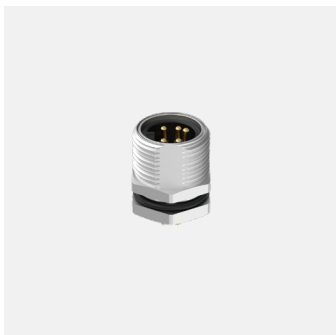
## 7/8 " Series



- |   |  |
|---|--|
| <p>Prefabricated cables</p> <ul style="list-style-type: none"> <li>■ Locking complies with IEC 61076-2-101</li> <li>■ Pin configuration: 3-6 pins</li> <li>■ Comply with IP65/IP67 waterproof requirements</li> <li>■ Overmolding Type</li> <li>■ Connector locked with 7/8"- 16 UNF screws</li> <li>■ Cable length can be increased as required</li> </ul> | <p>Panel installation</p> <ul style="list-style-type: none"> <li>■ Locking complies with IEC 61076-2-101</li> <li>■ Pin configuration: 3-6 pins</li> <li>■ Comply with IP65/IP67 waterproof requirements</li> <li>■ Quick assembly</li> <li>■ Connector locked with 7/8"- 16 UNF screws</li> <li>■ Solder/dipping termination/single wire</li> </ul> |
|---|--|

7/8" Circular connectors are widely used for high performance electrical connection solutions in industrial automation, process control and heavy machinery. They are favored for their rugged design, reliable performance and ability to adapt to a variety of environments. Typically used for sensors, actuators, and data transmission applications to ensure efficient and stable data and power transfer between devices.









Our 7/8" series with IP65/IP67 standard ensures safe and reliable protection from liquids, dust, moisture and dirt, while also providing strong resistance to vibration to ensure uninterrupted connections. The connectors are available in 3-6 pins.



## Product Parameters

Housing material	Nickel-plated brass	Contact resistance	≤5mΩ
Sealing material	Epoxy resin/rubber	Durability	≥500 times
Contact material	Phosphorus copper gold plating/brass gold plating	Insulation resistor	100 mΩ
Insulation material	PA	Applicable temperature	-20°C To +80°C
Modeling materials	TPU/PVC/PUR	Waterproof grade	IP67 / IP68

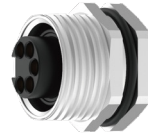
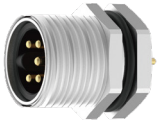
## Electrical Parameters

Pins	Male	Female	Rated Voltage		Rated Current	Conductor Size	
			AC	DC		AWG	mm <sup>2</sup>
2			300V	300V	13A	18	1
2+PE			300V	300V	9A	18	1
3+PE			300V	300V	9A	20	0.5
4+PE			300V	300V	9A	20	0.5

## 7/8 " Panel Installation

7/8 " Male Plate Rear Mount PCB 7/8-16UNF

7/8 " Female Plate Rear Mount PCB M26\*1.5



Core	Pins	Model
Common type	3	MC78NM-03R2LDLNS1001
	4	MC78NM-04R2LDLNS1001
	5	MC78NM-05R2LDLNS1001
	6	MC78NM-06R2LDLNS1001

Core	Pins	Model
Common type	3	MC78NF-03R2LDLNS1801
	4	MC78NF-04R2LDLNS1801
	5	MC78NF-05R2LDLNS1801
	6	MC78NF-06R2LDLNS1801

7/8 " Male Plate Front Mount PCB PG13.5



Core	Pins	Model
Common type	3	MC78NM-03F2LDLNS901
	4	MC78NM-04F2LDLNS901
	5	MC78NM-05F2LDLNS901
	6	MC78NM-06F2LDLNS901

7/8 " Female Plate Front Mount PCBPG13.5



Core	Pins	Model
Common type	3	MC78NF-03F2LDLNS901
	4	MC78NF-04F2LDLNS901
	5	MC78NF-05F2LDLNS901
	6	MC78NF-06F2LDLNS901

## 7/8 " Assembly type

7/8 " Male Straight Plastic Assembly Solder



Core	Pins	Model
Common type	3	MC78NM-03N4LSLSS1001
	4	MC78NM-04N4LSLSS1001
	5	MC78NM-05N4LSLSS1001
	6	MC78NM-06N4LSLSS1001

7/8 " Female Straight Plastic Assembly Solder



Core	Pins	Model
Common type	3	MC78NF-03N4LSLSS1001
	4	MC78NF-04N4LSLSS1001
	5	MC78NF-05N4LSLSS1001
	6	MC78NF-06N4LSLSS1001

## 7/8 " Precast Cable

### 7/8 " Male Straight Overmolding Type



Core	Pins	Model
Common type	3	MB78NM-035LSSTXXXXX01
	4	MB78NM-045LSSTXXXXX01
	5	MB78NM-055LSSTXXXXX01
	6	MB78NM-065LSSTXXXXX01

### 7/8 " Female Straight Overmolding Type



Core	Pins	Model
Common type	3	MB78NF-035LSSTXXXXX01
	4	MB78NF-045LSSTXXXXX01
	5	MB78NF-055LSSTXXXXX01
	6	MB78NF-065LSSTXXXXX01

### 7/8 " Male Right Angle Overmolding Type



Core	Pins	Model
Common type	3	MB78NM-035LSRAXXXXXX01
	4	MB78NM-045LSRAXXXXXX01
	5	MB78NM-055LSRAXXXXXX01
	6	MB78NM-065LSRAXXXXXX01

### 7/8 " Female Right Angle Overmolding Type



Core	Pins	Model
Common type	3	MB78NF-035LSRAXXXXXX01
	4	MB78NF-045LSRAXXXXXX01
	5	MB78NF-055LSRAXXXXXX01
	6	MB78NF-065LSRAXXXXXX01