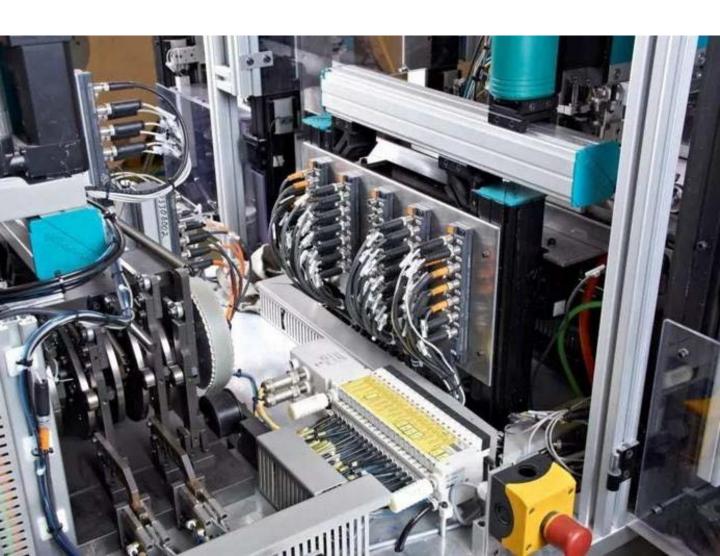


M Series Industrial Circular Connectors, Cables, and Adapters





Metabee (Chengdu) Technology Co., Ltd.

180+

20,000 M²

16M

Countries

Production Workshop

Group Assets

Metabee (Chengdu) Technology Co., Ltd. established in 2022 located in Sichuan Province with convenient transportation. Our associated factory Jiangmen Dosin specialize in producing RF connectors, M series connectors, and cables.

We are committed to being the world's leading Manufacturer of electronic connectors and industrial cables. We have developed more than 20 product series and more than 5,000 varieties. These products have been widely sold to many countries and regions around the world. They are mainly used for outdoor lighting automation machinery, new energy vehicles, charging equipment, electricity generation facilities, and other industries.

We can also support OEM ODM and customized related products. All products have owned American UL, German TUV, and Europe CE ROHS certifications and have several design patents. Our associated factory has production workshop with an area of 20,000 square meters, more than 300 employees, 30 international advanced production lines, and tens of precision testing equipment. Moreover, we have constructed a specialized laboratory for product research and development. Our reliable product quality, good service, and rapid technical have helped us win many customers in China and overseas markets.

Metabee (Chengdu) Technology Co., Ltd. has become the leading technology and scale Enterprise in the connector field. We have a reliable reputation among our customers because of our professional services, quality products, and competitive prices. We welcome customers from home and abroad to cooperate with us for Common success.

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M5 Connectors

Description

M5 connector is one of the most miniature connectors in factory automation, designed for factory automation 5mm connection diameter sensors. In recent years, industrial measurement cameras, electric bicycle signal transmission, and other fields are also widely used. M5 connectors have anti-vibration, anti-rotation design, stable and reliable connection, and can be installed on equipment with space constraints. Common M5 connector PIN is 3Pin, 4pin.

Applications

- Miniature sensors
- Industrial camera
- Electric bike
- Packaging, Labeling & Logistic
- Factory automation and Fieldbus module

Quality Statement

- ✓ **Screws/nuts:** Brass with 120µ nickel plated, CNC parts.
- ✓ **Male contacts:** Brass C3604, 3µ gold plated on nickel base, machined solid pin.
- ✓ Female contacts: Phosphor bronze C5441 with 3µ gold plated on nickel base, machined solid pin.
- ✓ **Temperature Range:** Dynamic -25 to 85°C, Static: -40 to 85°C/105°C
- ✓ **Protection degree:** IP67 in locked status, IP68 base on customer specific requirements.
- √ ROHS compliant.

Order Information



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M5 Connectors and Cables

Name	Picture	Drawing	Contacts	Part No.	
M5 Male Solder/PCB Front		M5x0.5	3	M5-03-P-1	
Mount Connector		11.2	4	M5-04-P-1	
M5 Female Solder/PCB Rear		%5x0.5 M5x0.5 7.8	3	M5-03-S-1	
Mount Connector		11.5	4	M5-04-S-1	
M5 Male Solder Front Mount		M5X0.5 7.8	3	M5-03-P-2-F-W	
Connector with Wire	ctor with		4	M5-04-P-2-F-W	
M5 Female Solder Rear Mount		%5x0.5 M5x0.5 7x8	3	M5-03-S-2-B-W	
Connector with Wire		11.5	4	M5-04-S-2-B-W	
M5 Female		Female 💮 💮	(c) 28	3	M5-03-S-2-W
Straight Molded Cable		8	4	M5-04-S-2-W	
M5 Male Straight		31 31	3	M5-03-P-2-W	
Molded Cable		90	4	M5-04-P-2-W	

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Specifications

Basic Information:

Standard:	IEC 61076-2-104	
Gender:	Male/Female	
Number of Contacts:	3, 4 Pins	
Coding:	A-coded	
Termination:	Solder/PCB	
Orientation:	Straight	
Coupling Method:	Threaded connection	
Durability:	>500 Cycles	
Wire Gauge:	Max 0.14mm²/max 26AWG	
Temperature range:	-25°C to +85°C	
Protection degree:	IP67 or IP68	

Materials and Plating:

Shell Material:	Brass nickel-plated	
Sealing Material:	Epoxy resin/Rubber	
Contact Material:	Phosphorus copper gold-plated/Brass copper gold-plated	
Insulator Material: PA66		
Molding Material:	TPU/PVC	

Electrical Performance:

Rated voltage:	60V
Rated current:	1A
Insulation Resistance:	≥100 MΩ
Contact resistance:	$<$ 3 m Ω

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M5 Electrical Parameters

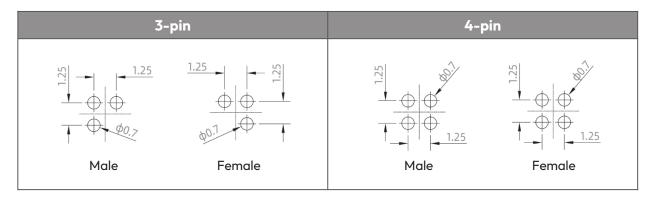
D:		Rated		Rated Voltage		tor Size	
Pins	Male	Current	A/C	D/C	AWG	mm²	Female
3	4 3	1 A	60V	60V	26	0.14	3 0 0
4	4 3	1A	60V	60V	26	0.14	3 0 0

M5 Wiring Diagram

Pins	Wire Core Color			
		3-pin		
1	BN			
2	_			
3	BU			
4	BK			

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

M5 PCB Arrangement



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M8 Connectors

Description

The M8 connectors, also known as the M8 electrical connectors, are designed for 8MM link diameter sensors and actuators. It's widely used in factory automation, packaging systems, outdoor LED modules, and new energy signal control. M8 connector is known for their anti-vibration, anti-rotation design, and compact size, making them suitable for equipment with space constraints. Furthermore, M8 connectors feature specific coding to prevent incorrect mating, ensuring proper electrical connections.

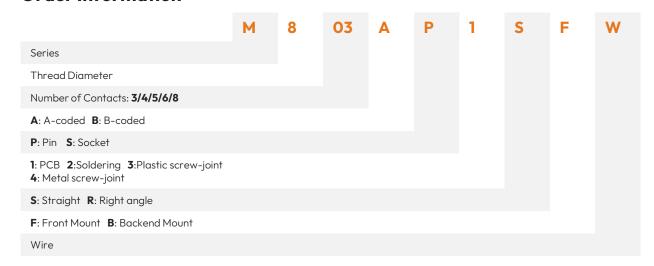
Applications

- Miniature sensors
- Industrial camera
- Electric bike
- Packaging, Labeling & Logistic
- Factory automation and Fieldbus module

Quality Statement

- ✓ **Screws/nuts:** Brass with 120µ nickel plated, CNC parts.
- ✓ **Male contacts:** Brass C3604, 3µ gold plated on nickel base, machined solid pin.
- \checkmark **Female contacts:** Phosphor bronze C5441 with 3μ gold plated on nickel base, machined solid pin.
- ✓ **Temperature Range:** Dynamic -25 to 85°C, Static: -40 to 85°C/105°C
- ✓ **Protection degree:** IP67 in locked status, IP68 base on customer specific requirements.
- √ ROHS compliant.

Order Information



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M8 A-coded and B-coded Panel Receptacles

The M8 panel receptacles are ideal for compact and space-sensitive industrial applications. Metabee M8 panel connectors are available with solder termination and PCB panel assembly type, with rear mounting and front mounting.

- Operating voltage 60V/30V, rated current 3A/1A.
- 3, 4, 5 (B-coded), 6, 8 pins are available.
- Protection degree IP67.
- Temperature range: -40°C to +105°C.
- Cable length 1m, 2m, 3m or customized.
- UL94-V0 flame retardant degree.

Name	Picture	Drawing	Contacts	Part No.
			3	M8-03-A-P-1-S-B
M8 Male		M8X0.5	4	M8-04-A-P-1-S-B
Solder/PCB Back	Whitelet Co.		5	M8-05-B-P-1-S-B
Mount Connector	3	16.5	6	M8-06-A-P-1-S-B
			8	M8-08-A-P-1-S-B
			3	M8-03-A-S-1-S-B
M8 Female	M9 Female	2 2 X X X X X X X X X X X X X X X X X X	4	M8-04-A-S-1-S-B
Solder/PCB Back		M8X1 M8X1 M8X0.5	5	M8-05-B-S-1-S-B
Mount Connector	nt Connector	15.5	6	M8-06-A-S-1-S-B
			8	M8-08-A-S-1-S-B
			3	M8-03-A-P-1-S-F
M8 Male		88.55.11.2	4	M8-04-A-P-1-S-F
Solder/PCB Front		M8XX	5	M8-05-B-P-1-S-F
Mount Connector		17.8	6	M8-06-A-P-1-S-F
		-	8	M8-08-A-P-1-S-F
		0	3	M8-03-A-S-1-S-F
M8 Female		4	M8-04-A-S-1-S-F	
Solder/PCB Front	(CIMIL III)	M8X1 M8X1 M8X1	5	M8-05-B-S-1-S-F
Mount Connector	Connector	6	M8-06-A-S-1-S-F	
		10.0	8	M8-08-A-S-1-S-F
M8 Female R/A		20.5	3	M8-03-A-S-1-R
PCB Mount Connector			4	M8-04-A-S-1-R

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Name	Picture	Drawing	Contacts	Part No.
M8 Male R/A PCB		12 12	3	M8-03-A-P-1-R
Mount Connector	0		4	M8-04-A-P-1-R
			3	M8-03-A-P-2-S-F-W
M8 Male Front			4	M8-04-A-P-2-S-F-W
Mount Connector With Wires		M8 X X X X X X X X X X X X X X X X X X X	5	M8-05-B-P-2-S-F-W
wiin wires		17.8	6	M8-06-A-P-2-S-F-W
			8	M8-08-A-P-2-S-F-W
			3	M8-03-A-S-2-S-F-W
M8 Female Front			4	M8-04-A-S-2-S-F-W
Mount Connector With Wires		15.5 TS.5	5	M8-05-B-S-2-S-F-W
wiin wires			6	M8-06-A-S-2-S-F-W
			8	M8-08-A-S-2-S-F-W
			3	M8-03-A-S-2-S-B-W
1 D		2 2 X X X X X X X X X X X X X X X X X X	4	M8-04-A-S-2-S-B-W
M8 Female Rear Mount Connector		11.2 M8X1 12.5	5	M8-05-B-S-2-S-B-W
With Wires			6	M8-06-A-S-2-S-B-W
			8	M8-08-A-S-2-S-B-W
			3	M8-03-A-P-2-S-F-W
M8 Male Rear Mount Connector With Wires			4	M8-04-A-P-2-S-F-W
		16.5 16.5	5	M8-05-B-P-2-S-F-W
			6	M8-06-A-P-2-S-F-W
			8	M8-08-A-P-2-S-F-W

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M8 A-coded Filed Wireable Connectors

These M8 field installable connectors permit high flexibility for wiring in the field. For quick assembly of often differing cable lengths, Metabee supplies straight male and female type connectors for free assembly with screw type wire connection.

- Screwing termination contacts.
- Protection degree IP67.
- 3-Pole, 4-Pole are available.
- Temperature range: -40°C to +125°C.
- Operating voltage 250V-AD, current 4A.

Name	Picture	Drawing	Contacts	Part No.
M8 Female Straight Plastic	aight Plastic	3	M8-03-A-S-3-S	
Plug with Screw Termination		9 12 M88/1	4	M8-04-A-S-3-S
M8 Male Straight Plastic Plug with		46~49	3	M8-03-A-P-3-S
Screw Termination		M86.1	4	M8-04-A-P-3-S
M8 Female Straight Metal		49.1	3	M8-03-A-S-4-S
Plug with Screw Termination		4100 MOX1	4	M8-03-A-S-3-S M8-04-A-S-3-S M8-03-A-P-3-S M8-04-A-P-3-S
M8 Male Straight Metal Plug with		52.1	3	M8-03-A-P-4-S
Screw Termination		416 1881 1881 1882 1883 1883 1883 1883 1883	4	M8-04-A-P-4-S
M8 Male R/A Plastic Plug with		35.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3	M8-03-A-P-3-R
Screw Termination		4	M8-04-A-P-3-R	
M8 Female R/A Plastic Plug with		27.0	3	M8-03-A-S-3-R
Screw Termination			4	M8-04-A-S-3-R

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M8 A-coded and B-coded Pre-molded Cable Connectors

These M8 molded connectors provide 3/4/5/6/8 position factory PUR/PVC over-molded cable and the length is depend on customers requests.

- Degree of protection IP67.
- 3, 4, 6, 8 pins are available.
- Operating voltage 60V, 30V-DC/AC, Rated current 4A, 1A.
- Cable length customized, PUR and PVC cable for options.
- Anti-vibration locking screw design.

Name	Picture	Drawing	Contacts	Part No.
			3	M8-03-A-S-2-S-W
MO Straight		36.5	4	M8-04-A-S-2-S-W
M8 Straight Female Molded Cable		WBX W W W W W W W W W W W W W W W W W W	5	M8-05-B-S-2-S-W
Cable			6	M8-06-A-S-2-S-W
			8	M8-08-A-S-2-S-W
			3	M8-03-A-P-2-S-W
		41,4	4	M8-04-A-P-2-S-W
M8 Straight Male Molded Cable		17.88/	5	M8-05-B-P-2-S-W
		1 - Will	6	M8-06-A-P-2-S-W
			8	M8-08-A-P-2-S-W
		35.3	3	M8-03-A-S-2-R-W
M8 Right Angle Female Molded	N.		4	M8-04-A-S-2-R-W
Cable		Mext	6	M8-06-A-S-2-R-W
		ø10	8	M8-03-A-S-2-S-W M8-04-A-S-2-S-W M8-05-B-S-2-S-W M8-06-A-S-2-S-W M8-08-A-S-2-S-W M8-03-A-P-2-S-W M8-04-A-P-2-S-W M8-05-B-P-2-S-W M8-06-A-P-2-S-W M8-08-A-P-2-S-W
		35.3	3	M8-08-A-S-2-S-W M8-03-A-P-2-S-W M8-04-A-P-2-S-W M8-05-B-P-2-S-W M8-06-A-P-2-S-W M8-08-A-P-2-S-W M8-03-A-S-2-R-W M8-04-A-S-2-R-W M8-08-A-S-2-R-W M8-08-A-S-2-R-W
M8 Right Angle Male Molded Cable		3	4	M8-04-A-P-2-R-W
		MAN	6	M8-06-A-P-2-R-W
		210	8	M8-08-A-P-2-R-W

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Specifications

Basic Information:

Standard:	IEC 61076-2-104	
Gender:	Male/Female	
Number of Contacts:	3, 4, 5, 6, 8 Pins	
Coding:	A, B coded	
Termination:	Soldering/PCB/Screw-joint	
Orientation:	Straight/Right angle	
Coupling Method:	Threaded connection	
Durability:	>500 Cycles	
Wire Gauge:	0.14/0.25/0.34mm² (26/24/22AWG)	
Temperature range:	-25°C to +85°C	
Protection degree:	IP67 or IP68	

Materials and Plating:

Shell Material: Brass nickel-plated		
Sealing Material:	terial: Epoxy resin/Rubber	
Contact Material: Phosphorus copper gold-plated/Brass copper gold-plated		
Insulator Material: PA66		
Molding Material:	TPU/PVC	

Electrical Performance:

Rated voltage: 60V for 3/4/5/6 pin, 30V for 8 pin	
Rated current: 4A for 3/4/5 pin, 2A for 6 pin, 1.5A for 8 pin	
Insulation Resistance:	≥100 MΩ
Contact resistance:	$< 5 \text{ m}\Omega$

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M8 Electrical Parameters

芯数		针型 Male		额定电流	额定 Rated v	电压 /oltage	导体 Conduc	规格 itor size		孔型 Female	
Pins	А	В	D	Ratedcurrent	A/C	D/C	AWG	mm²	А	В	D
3	1 • 3			3A	60V	60V	24	0.25	3 0 0 1		
4	1 3		2 0 4	3A	A型(A-Code): 60V D型(D-Code): 48V	60V	24	0.25	30001		4 0 2
5		1 5 3		3A	30V	30V	24	0.25		4 0 0 0 1 5 1	
6	5 3 6		5 3 6	A型(A-Code): 1.5A D型(D-Code): 1.5A/3A	30V	30V	26	0.14	30005		5 6 0 0 0 2
8	5 7 1 2 8			1.5A	30V	30V	26	0.14	5 4 0 3 0 0 0 7 8 2		

M8 Color Codes and Wiring Diagram



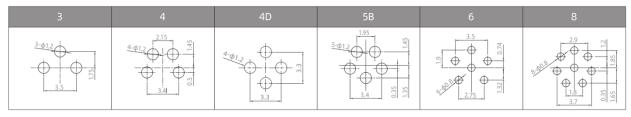
芯位 Pins	线芯颜色 Wire core color						
	4芯A编码(4 Pins A-Code) 4芯D编码(4 Pins D-Code)						
1	BN		YE				
2	WH		WH				
3	BU		OG				
4	BK		BU				

恋位 Pins	线芯颜色 Wire core color							
	8芯(8芯(Pins)						
1	WH							
2	BN							
3	GN							
4	YE							
5	GY							
6	PK							
7	BU							
8	RD							

芯位 Pins	线芯颜色 Wire core color						
	5芯A编码(5	Pins A-Code)	5芯B编码(5	Pins B-Code)			
1	BN		BN				
2	WH		WH				
3	BU		BU				
4	BK		BK				
5	GY		GY				

芯位 Pins	线芯颜色 Wire core color					
	6 芯(Pins)					
1	BN					
2	WH					
3	BU					
4	BK					
5	GY					
6	PK					

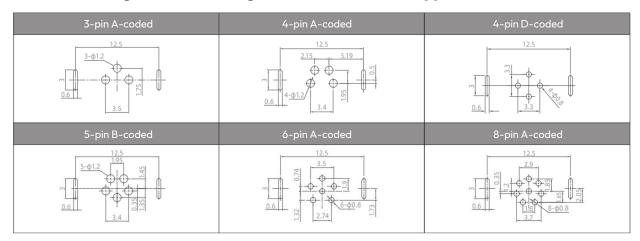
M8 PCB Pins Arrangement



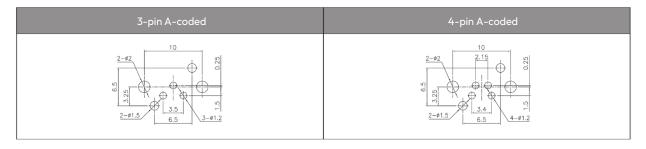
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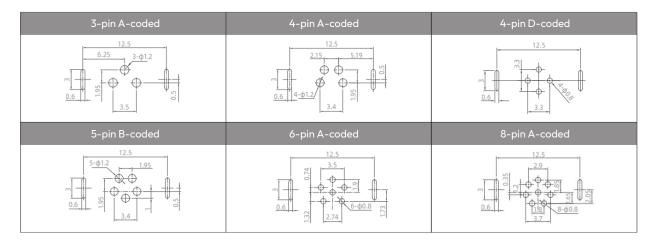
M8 PCB Straight Pins Arrangement (Grounded Type)



M8 PCB Angled Pins Arrangement



M8 PCB Angled Pins Arrangement (Grounded Type)



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M12 Connectors

Description

M12 connector is the most commonly used connector in factory automation, widely used in sensors, robots, motors, packaging and conveyor systems, rail transportation, etc. The common M12 connector PINs are 3Pin, 4pin, 5pin, 8pin, and 12pin. The M12 is available in A, B, and D coded. M12 connector includes M12 Panel Receptacles, M12 Field Wirable Connector, M12 Molded Cable Connector, and M12 Adapter.

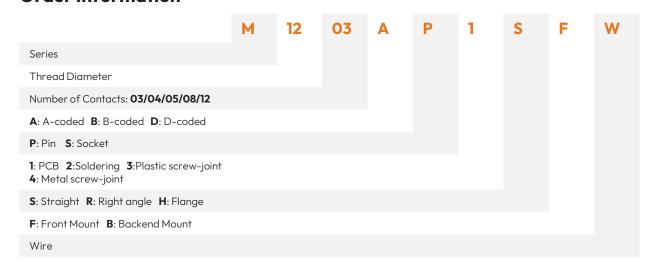
Applications

- Miniature sensors
- Industrial camera
- Electric bike
- Packaging, Labeling & Logistic
- Factory automation and Fieldbus module

Quality Statement

- ✓ **Screws/nuts:** Brass with 120µ nickel plated, CNC parts.
- ✓ **Male contacts:** Brass C3604, 3µ gold plated on nickel base, machined solid pin.
- \checkmark **Female contacts:** Phosphor bronze C5441 with 3μ gold plated on nickel base, machined solid pin.
- ✓ **Temperature Range:** Dynamic -25 to +85°C, Static: -40 to +85°C/105°C
- ✓ **Protection degree:** IP67 in locked status, IP68 base on customer specific requirements.
- √ ROHS compliant.

Order Information



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M12 A-coded Panel Receptacles

M12 panel mount connectors are electrical connectors used for data and signal transmission in industrial environments. They are available in both male and female versions and can be soldered with individual wires or mounted on PCBs. These connectors provide a quick and secure way to connect field devices and cables. Metabee offers a variety of M12 panel mount connector solutions suitable for enclosures, panels, and PCBs. Additionally, these connectors can be mounted on the front or rear of a panel.

- 3, 4, 5, 8, 12 poles are available.
- Operating voltage 300V-DC/250V-AC/60V/30V, current 4A/1.5A.
- Protection degree IP67.
- Temperature range: -40°C-+125°C.
- UL94-V0 flame retardant degree.
- Ground Pin available for option.

Name	Picture	Drawing	Contacts	Part No.
			3	M12-03-A-P-1-S-F
M12 A-coded			4	M12-04-A-P-1-S-F
Male PCB/Solder Front Mount		M1221 18	5	M12-05-A-P-1-S-F
Connector		20	8	M12-08-A-P-1-S-F
			12	M12-12-A-P-1-S-F
			3	M12-03-A-S-1-S-B
M12 A-coded Female			4	M12-04-A-S-1-S-B
PCB/Solder Backend Mount		813.3 W12.x1	5	M12-05-A-S-1-S-B
Connector		20.5	8	M12-08-A-S-1-S-B
			12	M12-04-A-P-1-S-F M12-05-A-P-1-S-F M12-08-A-P-1-S-F M12-12-A-P-1-S-F M12-03-A-S-1-S-B M12-04-A-S-1-S-B
			3	M12-04-A-P-1-S-F M12-05-A-P-1-S-F M12-08-A-P-1-S-F M12-12-A-P-1-S-F M12-03-A-S-1-S-B M12-04-A-S-1-S-B M12-05-A-S-1-S-B M12-08-A-S-1-S-B M12-03-A-S-1-S-F M12-04-A-S-1-S-F
M12 A-coded			4	M12-04-A-S-1-S-F
Female PCB/Solder Front Mount Connector		M16×1.5 813.2 10 10 10 10 10 10 10 10 10 10 10 10 10 1	5	M12-05-A-S-1-S-F
	103	20.5	8	M12-08-A-S-1-S-F
			12	M12-12-A-S-1-S-F

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Name	Picture	Drawing	Contacts	Part No.
			3	M12-03-A-P-1-S-B
M12 A-coded		- mm	4	M12-04-A-P-1-S-B
Male PCB/Solder Backend Mount		M12X1 M16X15 P09	5	M12-05-A-P-1-S-B
Connector		22	8	M12-08-A-P-1-S-B
			12	M12-12-A-P-1-S-B
			3	M12-03-A-P-1-S-F
M12 A-coded			4	M12-04-A-P-1-S-F
Male PCB/Solder Front Mount		M16 × 68 × 68 × 68 × 68 × 68 × 68 × 68 ×	5	M12-05-A-P-1-S-F
Connector		22	8	M12-08-A-P-1-S-F
			12	M12-12-A-P-1-S-F
			3	M12-03-A-P-1-H
M12 A-coded			4	M12-04-A-P-1-H
Male Flange PCB/Solder		20 20 20 20 20 20 20 20 20 20 20 20 20 2	5	M12-05-A-P-1-H
Connector	0	20 14 20	8	M12-08-A-P-1-H
			12	M12-12-A-P-1-H
			3	M12-03-A-S-1-H
M12 A-coded	100		4	M12-04-A-S-1-H
Female Flange PCB/Solder		0 13.5 MIPX I	5	M12-05-A-S-1-H
Connector		18.5	8	M12-03-A-P-1-S-B M12-04-A-P-1-S-B M12-05-A-P-1-S-B M12-08-A-P-1-S-B M12-12-A-P-1-S-B M12-03-A-P-1-S-F M12-04-A-P-1-S-F M12-05-A-P-1-S-F M12-08-A-P-1-S-F M12-03-A-P-1-H M12-04-A-P-1-H M12-04-A-P-1-H M12-05-A-P-1-H M12-05-A-P-1-H M12-05-A-P-1-H M12-05-A-P-1-H M12-05-A-P-1-H M12-05-A-P-1-H M12-05-A-P-1-H
			12	M12-12-A-S-1-H
		19.5 4.2	3	M12-03-A-S-1-R
MIO Divida A	الله الله	13.0	4	M12-04-A-S-1-R
M12 Right Angle A-coded Female		13.5 14.2×1	5	M12-05-A-S-1-R
PCB Connector			8	M12-08-A-S-1-R
		→ 4 → [™]	12	M12-12-A-S-1-R

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Name	Picture	Drawing	Contacts	Part No.	
	48.11	15.4 4.2	3	M12-03-A-P-1-R	
M12 Right Angle A-coded Male PCB Connector	41		4	M12-04-A-P-1-R	
		M12×1	5	M12-05-A-P-1-R	
			8	M12-08-A-P-1-R	
	4 10	12	M12-12-A-P-1-R		
			3	M12-03-A-S-2-S-B-W	
M12 A-coded			4	M12-04-A-S-2-S-B-W	
Female Backend Mount Connector		M12.1 M12.1 M16.x1.5 PG9	5	M12-05-A-S-2-S-B-W	
with Wire		20.5	8 M12-08-A-S-2-S-B-	M12-08-A-S-2-S-B-W	
		12 M12-12-A-	M12-12-A-S-2-S-B-W		
		4 M12- 5 M12- 20.5 8 M12-	3	M12-03-A-S-2-S-F-W	
M12 A-coded			M12-04-A-S-2-S-F-W		
Female Front Mount Connector			5	M12-05-A-S-2-S-F-W	
with Wire			8	M12-08-A-S-2-S-F-W	
			12	M12-12-A-S-2-S-F-W	
			3	M12-03-A-P-2-S-F-W	
M12 A-coded			4	M12-04-A-P-2-S-F-W	
Male Backend Mount Connector with Wire		M15x1	5 M12-05-A-P-2-S-F-W	M12-05-A-P-2-S-F-W	
		22	8	M12-08-A-P-2-S-F-W	
			12	M12-12-A-P-2-S-F-W	

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M12 A-coded Field Wireable Connectors

Metabee provides M12 field installable connectors. These field wireable connectors permit high flexibility for wiring in the field for quick assembly and disassembly. It will also save the cable cost when connector replacing is necessary.

- Screwing termination contacts.
- Protection degree IP67.
- **3**, 4, 5, 8, 12 pins are available.
- Operating voltage 300V-DC/250V-AC/60V/30V, current 4A/1.5A.
- PA+GF Housing / Metal shell.

Name	Picture	Drawing	Contacts	Part No.	
			3	M12-03-A-S-3-S	
M12 Straight A- coded Female Plastic Plug with Screw		PG7/PG9	4		
		M12X1	5		
Termination		SW18 ~55 SW16.5 X	8	M12-08-A-S-3-S	
			12	M12-12-A-S-3-S	
			3	M12-03-A-P-3-S	
M12 Straight A- coded Male		PG7/PG9	4	M12-04-A-P-3-S	
Plastic Plug with Screw	astic Plug with rew	lug with	≥	5	M12-05-A-P-3-S
Termination		SW1860	Max.	M12-08-A-P-3-S	
		12 M12-12-	M12-12-A-P-3-S		
	d Female Plug with	~43	3	M12-03-A-S-3-R	
M12 Right Angle A-coded Female		127		4	M12-04-A-S-3-R
Plastic Plug with Screw		SW18 - PG7/PG9 -	5	M12-05-A-S-3-R	
Termination			8	M12-08-A-S-3-R	
		Max.Ø8	12	M12-12-A-S-3-R	
		~43	3	M12-03-A-P-3-R	
M12 Right Angle A-coded Male Plastic Plug with Screw Termination		020	4	M12-12-A-S-3-S M12-03-A-P-3-S M12-04-A-P-3-S M12-05-A-P-3-S M12-08-A-P-3-S M12-12-A-P-3-S M12-03-A-S-3-R M12-05-A-S-3-R M12-05-A-S-3-R M12-08-A-S-3-R M12-08-A-S-3-R	
		SW18 50 50 50 50 50 50 50 50 50 50 50 50 50	5 M12-05-A-P-3-R	M12-05-A-P-3-R	
		PG7/PG9	8	M12-08-A-P-3-R	
		Max.Ø8	12	M12-12-A-P-3-R	

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Name	Picture	Drawing	Contacts	Part No.
		4 M12-04-A-S-4-	3	M12-03-A-S-4-S
M12 Straight A- coded Female Metal Plug with Screw Termination			M12-04-A-S-4-S	
		WIENSTON	5	M12-05-A-S-4-S
		~60	8	M12-08-A-S-4-S
		12	M12-12-A-S-4-S	
			3	M12-03-A-P-4-S
M12 Straight A-	Special F		4	M12-04-A-P-4-S
coded Male Metal Plug with Screw		-64.5	5	M12-05-A-P-4-S
Termination			8	M12-08-A-P-4-S
			12	M12-12-A-P-4-S
		3 4 5 8 8	3	M12-03-A-S-4-R
M12 Right Angle A-coded Female			M12-04-A-S-4-R	
Metal Plug with			5	M12-05-A-S-4-R
Screw Termination			8	M12-08-A-S-4-R
			12	M12-12-A-S-4-R
		~41	3	M12-03-A-P-4-R
M12 Right Angle A-coded Male Metal Plug with Screw Termination		020 W12XI	4	M12-04-A-P-4-R
		5 M12-05-A-	M12-05-A-P-4-R	
			8	M12-08-A-P-4-R
		Mox. #8,15	12	M12-12-A-P-4-R

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M12 A-coded Molded Cables

Metabee's M12 molded cables are built to endure harsh industrial environments. Their superior quality ensures reliable connections, even in extreme weather conditions.

- Cable length base on customer requesting.
- Protection degree IP67.
- 3, 4, 5, 8.12 poles are available.
- Operating voltage 250V/60V/30V; Current range: 4A, 2A, 1.5A.
- Anti-vibration locking screw design.

Name	Picture	Drawing	Contacts	Part No.
			3	M12-03-A-S-2-S-W
\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.			4	M12-03-A-S-2-S-W M12-04-A-S-2-S-W M12-05-A-S-2-S-W M12-08-A-S-2-S-W M12-12-A-S-2-S-W M12-03-A-P-2-S-W M12-04-A-P-2-S-W M12-05-A-P-2-S-W M12-03-A-S-2-R-W M12-04-A-S-2-R-W M12-05-A-S-2-R-W M12-03-A-S-2-R-W M12-03-A-S-2-R-W M12-04-A-S-2-R-W M12-04-A-S-2-R-W M12-04-A-S-2-R-W M12-04-A-S-2-R-W M12-04-A-S-2-R-W
M12 Straight A- coded Female Molded Cable		MIZX	5	
Molded Cable		47.5	8	
			12	M12-12-A-S-2-S-W
			3	M12-03-A-P-2-S-W
M12 Ctraciant A		0 14.5 M 12.5 M	4	M12-04-A-P-2-S-W
M12 Straight A- coded Male			5	M12-05-A-P-2-S-W
Molded Cable		48.5	8 M12-08-A-P-2-S	M12-08-A-P-2-S-W
			12	M12-12-A-P-2-S-W
			3	M12-03-A-S-2-R-W
M12 Divilit Availa		136 100 100 100 100 100 100 100 100 100 10	4	M12-04-A-S-2-R-W
M12 Right Angle A-coded Female			5	M12-05-A-S-2-R-W
Molded Cable		M12X1 Ø14.5	8	M12-08-A-S-2-R-W
			12	M12-12-A-S-2-R-W
			3	M12-03-A-P-2-R-W
M12 Right Angle A-coded Male Molded Cable		34.2	4	M12-03-A-S-2-S-W M12-04-A-S-2-S-W M12-05-A-S-2-S-W M12-08-A-S-2-S-W M12-12-A-S-2-S-W M12-03-A-P-2-S-W M12-04-A-P-2-S-W M12-05-A-P-2-S-W M12-03-A-P-2-S-W M12-03-A-S-2-R-W M12-04-A-S-2-R-W M12-05-A-S-2-R-W M12-08-A-S-2-R-W M12-08-A-S-2-R-W M12-08-A-S-2-R-W M12-08-A-S-2-R-W
			5	M12-05-A-P-2-R-W
		M12x1 Ø14.5	8	M12-08-A-P-2-R-W
			12	M12-12-A-P-2-R-W

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M12 B-coded Panel Receptacles

M12 B-coded connectors, available in panel mount or PCB mount options, offer quick connections for data and signal transmission between industrial devices and cables. They can be soldered with individual wires for field devices or utilize PCB pins for direct mounting on circuit boards.

- 5 poles contacts.
- Operating voltage 60V, rated current 4A.
- Protection degree IP67.
- Temperature range: -40°C~+125°C.
- UL94-V0 flame retardant degree.
- Ground (PE) Pin available for option.

Name	Picture	Drawing	Contacts	Part No.
M12 B-coded Female Solder/PCB Rear Mount Connector		81 13.1 M 13.2 M 13.2 M 12.2 M 13.2 M	5	M12-05-B-S-1-S-B
M12 B-coded Female Solder/PCB Front Mount Connector		MIEXTIS 20.5 181 20.5 181 20.5	5	M12-05-B-S-1-S-F
M12 B-coded Male Solder/PCB Front Mount Connector		22 22	5	M12-05-B-P-1-S-F
M12 B-coded Female Backend Mount Connector with Wire		20.5 20.5	5	M12-05-B-S-2-S- B-W
M12 B-coded Female Front Mount Connector with Wire		M16X1.5 813.2 18 2 3.2 18 1 18 18 18 18 18 18 18 18 18 18 18 18	5	M12-05-B-S-2-S- F-W

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M12 B-coded Field Wireable Connectors

M12 B-coded field wireable connectors provide flexibility for on-site wiring. This allows for quick assembly and disassembly, reducing downtime during maintenance. Additionally, these connectors save cable costs when replacements are needed because only the connector needs to be replaced, not the entire cable. Metabee offers both metal shells with EMC shielding and plastic bodies to suit your specific needs.

- Screwing termination contacts.
- Degree of protection IP67.
- Only 5 pins are available.
- Operating voltage 60V, current 4A.
- PA+GF Housing/ Metal shell.

Name	Picture	Drawing	Contacts	Part No.
M12 Straight B- coded Female Plastic Plug with Screw Termination		PG7/PC9 SW18 ~55 SW16.5	5	M12-05-B-S-3-S
M12 Straight B- coded Male Plastic Plug with Screw Termination		PG7/PG9 PG7/PG9 SW18 SW18 SW16.5	5	M12-05-B-P-3-S
M12 Straight B- coded Female Metal Plug with Screw Termination		0.00 W 1.01 W 1.01 W 1.02 W 1.	5	M12-05-B-S-4-S
M12 Straight B- coded Male Metal Plug with Screw Termination		S1: 89 - YOW - 64.5	5	M12-05-B-P-4-S

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M12 B-coded Molded Cables (Cordsets)

M12 B-coded molded cables are popular for factory automation thanks to their reliable connection in harsh environments. These connectors follow the standard IEC 61076-2-101 and feature a 12mm metric thread locking mechanism for secure connections. Metabee have designed and manufactured these M12 B-coded cables with superior quality for the reliable connections in harsh environments.

- Cable length base on customer requesting.
- Protection degree IP67.
- 5 poles per connector.
- Operating voltage 60V; Current range: 4A.
- Anti-vibration locking screw design.

Name	Picture	Drawing	Contacts	Part No.
M12 Straight B- coded Female Molded Cable		97.5 47.5	5	M12-05-B-S-2-S-W
M12 Straight B- coded Male Molded Cable		5.71 Ø	5	M12-05-B-P-2-S-W

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M12 D-coded Panel Receptacles

M12 D-coded panel mount receptacles are industrial connectors ideal for data transmission between controllers and devices. They ensure reliable and deterministic communication, enabling devices to trigger events based on set schedules. Metabee offers M12 D-coded connectors alongside M12 X-coded and RJ45 options, all known for their ruggedness and performance.

- Soldering contacts and PCB contacts for option.
- Degree of protection IP67.
- Temperature range: -40°C to +125°C.
- UL94-V0 flame retardant degree.
- Ground Pin available for option.

Name	Picture	Drawing	Contacts	Part No.
M12 D-coded Female Solder/PCB Backend Mount Connector		20.5 20.5	4	M12-04-D-S-1-S-B
M12 D-coded Female Solder/PCB Front Mount Connector		M16×1.5 813.2 M12×1 M12×1 M12×1 18	4	M12-04-D-S-1-S-F
M12 D-coded Female Backend Mount Connector with Wire		20.5 20.5	4	M12-04-D-S-2-S- B-W
M12 D-coded Female Front Mount Connector with Wire		M16X1.5 813.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18	4	M12-04-D-S-2-S- F-W

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M12 D-coded Field Wireable Connectors

In addition to M12 A-coded and B-coded connectors, Metabee offers M12 D-coded field-installable connectors as cable plugs. These connectors provide greater flexibility for on-site assembly and disassembly when you need different cable lengths or connector replacements. The simple screw-driving mechanism allows for quick and easy wire termination in the field.

- Screwing termination contacts.
- Protection degree IP67.
- Temperature range: -40°C to +125°C.
- UL94-V0 flame retardant degree.
- EMI shielded metal housing.

Name	Picture	Drawing	Contacts	Part No.
M12 Straight D- coded Female Plastic Plug with Screw Termination		PG7/PC9 PG7/PC9 SW18 ~55	4	M12-04-D-S-3-S
M12 Straight D- coded Male Plastic Plug with Screw Termination		PG7/PG9 PG7/PG9 SW18. SW18. SW16.5	4	M12-04-D-P-3-S
M12 Straight D- coded Female Metal Plug with Screw Termination		920 W172C1	4	M12-04-D-S-4-S
M12 Straight D- coded Male Metal Plug with Screw Termination		132 W ~64.5	4	M12-04-D-P-4-S

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M12 D-coded Molded Cable (Cordsets)

The M 12 D-coded molded cable with 12mm metric thread locking mechanism, based on IEC 61076-2-101 standard, it is the most commonly used connector in the factory automation and industrial Ethernet. Metabee developed these industrial Ethernet cables with M12 D-coded connectors, which meet the demands of the Ethernet/IP, EtherCAT, Powerlink. The designing of the connectors have already considered various industrial stringent application environments, such as waterproof, harsh temperature shocking, hydrolysis resistant, oil resistant, and anti-chemical, corrosion resistance, UV resistance, abrasion resistance, plug mating force and endurance performance.

- LAN CAT 5e 2 Pair twisted, SFTP cable.
- Cable length can be customized.
- EMI shielding design available.
- IP67 protection degree.
- Standard IEC 61076-2-101 D-coded 4 pin connection interface.
- Operating voltage 250V; Current range 4A.
- Anti-vibration design.

Name	Picture	Drawing	Contacts	Part No.
M12 Straight D- coded Female Molded Cable		\$\frac{1}{2} \times \frac{1}{2}	4	M12-04-D-S-2-S-W
M12 Straight D- coded Male Molded Cable		48.5 48.5	4	M12-04-D-P-2-S-W

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M12 Y-splitters and T-splitters

Metabee provides M12 Y-splitters and T-splitters. These adapters split wires into 2 separate connectors, allowing installation of two single-channel input or output devices to each port of hardwired distribution box. Connectors are available with parallel circuits, which allow input or output signals to run or trigger devices simultaneously.

- 3, 4, 5, 8 pins are available.
- Operating voltage 250V-AC/60V/30V, Rated current 4A, 2A.
- Temperature range: -40°C-+80°C.
- Protection degree IP67.

Name	Picture	Drawing	Contacts	Part No.	
		65.B 34.5	3	M12-3T	
M12 T Type Connector, 1 Male			4	M12-4T	
to 2 Female				5	M12-5T
		M12x1	8	M12-8T	
		= d ■ H	3	M12-3Y	
M12 Y Type		5 N	4	M12-4Y	
Splitter, 1 Male to 2 Female			M12-5Y		
		23 53.4	8	M12-8Y	

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M12 Dust Caps

The M12 connector dust caps are available for both male and female connectors using when it is under the unplugged open status, which can keep it from dust or water invading.

- Nylon cap and TPU strips.
- For both Panel receptacle connectors and extension cable connectors.
- IP65, IP67 Protection degree.

Name	Picture	Drawing	Part No.
M12 Dust Cap, Internal Thread		Ø 12,5	M12-C1
M12 Dust Cap, External Thread		Ø 12,5	M12-C2

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Specifications

Basic Information:

Standard:	IEC 61076-2-101			
Gender:	Male/Female			
Number of Contacts:	3, 4, 5, 8, 12, 17 Pins			
Coding:	A, B coded			
Termination:	Soldering/PCB/Screw-joint			
Orientation:	Straight/Right angle			
Coupling Method:	Threaded connection			
Durability:	>500 Cycles			
Wire Gauge:	0.14/0.25/0.34mm² (26/24/22AWG)			
Temperature range:	-25°C to +85°C			
Protection degree:	IP67 or IP68			

Materials and Plating:

Shell Material:	Brass nickel-plated/Zinc alloy nickel-plated/PA-GF		
Sealing Material: Epoxy resin/Rubber			
Contact Material: Phosphorus copper gold-plated/Brass copper gold-plated			
Insulator Material: PA+GF/TPU			
Molding Material:	TPU/PVC		

Electrical Performance:

Rated voltage: 60V for 3/4/5/6 pin, 30V for 8 pin			
Rated current: 4A for 3/4/5 pin, 2A for 6 pin, 1.5A for 8 pin			
Insulation Resistance:	≥100 MΩ		
Contact resistance:	$< 5 \text{ m}\Omega$		

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M12 Electrical Parameters

芯数	针型 Male		额定电流	额定 Rated v		导体 Conduc	规格 itor size		孔型 F	emale			
Pins	А	В	С	D	Ratedcurrent	A/C	D/C	AWG	mm²	А	В	С	D
2	3				4A	250V	250V	22	0.34	1 0 o o o o o			
3	3 4		2 PE 3		4A	250V	250V	22	0.34	1 0 0 3		PE O O 2	
4	2 0 1	2 1	1 PE 3	3 4	4A	250V	250V	22	0.34	1 0 0 2 0 0 3	1 0 0 2 4 0 0 3	3 0 0 1	1 0 0 2 0 0 5 3
5	2 0 1	2 1	4 PE 2		4A:A型(A-Code) B型(B-Code) 2A:C型(C-Code)	60V	60V	22	0.34	1 0 0 2 0 0 0 3	1 0 0 2 0 0 5 0 0 3	2000 1005	
6	3 4 6		PE 2		2A	30V	30V	24	0.25	7 0 0 0 0 3		2 PE 4 5 6	
8	3 4 6 6				2A	30V	30V	24	0.25	7 0 0 0 3 6 0 0 4			
12	3 2 11 11 10 19 8 12				1.5A	30V	30V	26	0.14	9 0 0 0 0 0 3 8 0 0 0 4 12 7 6			
17	3 4 5 6 7				1.5A	30V	30V	26	0.14	100003		-	

M12 Wiring Diagram

芯位 Pins	线芯颜色 Wire core color					
	2芯(Pins)					
1	BN					
2	-					
3	BU					

芯位 Pins	线芯颜色 Wire core color			
	3芯(Pins)			
1	BN			
2	-			
3	BU			
4	BK			

芯位 Pins	线芯颜色 Wire core color						
	4芯A编码(4 Pins A-Code)		4芯B编码(4 Pins B-Code)		4芯D编码(4 Pins D-Code)		
1	BN		BN		YE		
2	WH		WH		WH		
3	BU		BU		OG		
4	BK		BK		BU		

芯位 Pins	线芯颜色 Wire core color						
	5芯	A编码(5 Pins A-Code)	5芯	B编码(5 Pins B-Code)			
1	BN		BN				
2	WH		WH				
3	BU		BU				
4	BK		BK				
5	GY		GY				

Pins	Wire core color				
	6芯(Pins)				
1	BN				
2	WH				
3	BU				
4	BK				
5	-				
6	GY				
7	RD				

芯位 Pins	线芯颜色 Wire core color			
		12芯(Pins)		
1	BN			
2	BU			
3	WH			
4	GN			
5	PK			
6	YE			
7	BK			
8	GY			
9	RD			
10	VT			
11	OG			
12	LTGN			

芯位 Pins	线芯颜色 Wire core color				
	8芯(Pins)				
1	WH				
2	BN				
3	GN				
4	YE				
5	GY				
6	PK				
7	BU				
8	RD				

心包 Pins	线心颜色 Wire core color			
		17芯(Pins)		
1	BN			
2	BU			
3	WH			
4	GN			
5	PK			
6	YE			
7	BK			
8	GY			
9	RD			
10	VT			
11	OG			
12	LTGN			
13	LTBU			
14	BKWH			
15	BNWH			
16	RDWH			
17	BUWH			

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M12 PCB Pins Arrangement

Pins	2A	3A	4A	4D	5A
Male PCB Pins Arrangement	Δ5° Δ2-φ1.2	Δ5°	φ5 φ5	Ф5 Ф5	45°
	5B	6A	8A	12A	17A
	\$\frac{45}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{8}\frac{1}{	φ5.5	33° 08 8-01 05.5	78 79 59 79 79 79 79 79 79 79 79 79 79 79 79 79	77.85 57.85 57.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85 67.85
D:					
Pins	2A	3A	4A	4D	5A
	2A	3A	4A	4D	5A \$\frac{450}{\text{\$\sigma_{5}}}\$\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Female PCB Pins	450	1-25°	45° 8 8 4 8 2	250 8 8 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	

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Together, We Thrive

Our team of passionate experts brings a wealth of experience to the table, ready to collaborate with you and unlock your full potential. By joining forces, we can create innovative solutions and achieve remarkable things.



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