

M12 Male Back mount socket PCB Grounded type (Screw
M12*1)



- European standard connector M12 series
- Structure type: back mount socket
- Pin type: male type
- Contacts number: 2,3,4,5,6,8,12,17pins
- Connection method: PCB
- Shield: Yes
- Certification: CE RoHS
- Standard: IEC 61076-2-101

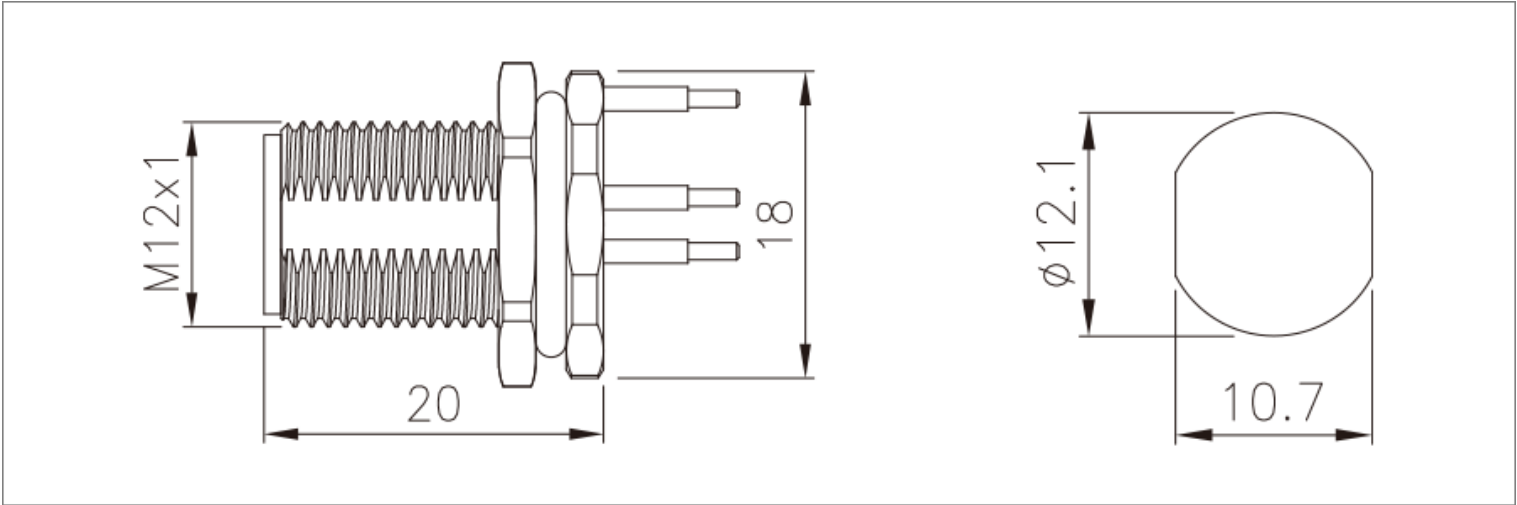
Technical Parameter

Shell material	brass nickel plating/zinc alloy nickel/PA+GF
Insulator material	PA+GF/TPU
Sealing material	epoxy resin/rubber
Contact material	brass /phosphorus copper gold-plated
Molding material	TPU/PVC
Insulation impedance	≥ 100 M Ω
Contact impedance	≤ 5 m Ω
Durability	≥ 500 cycles
Applicable temperature	-25 °C~+80 °C
Waterproof	IP65/IP67
Executive standard	IEC 61076-2-101

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Dimension



PCB pin bitmap

芯数	2A	3A	4A	4D	5A
针型 PCB芯位分布图					
	5B	6A	8A	12A	17A
芯数	2A	3A	4A	4D	5A
孔型 PCB芯位分布图					
	5B	6A	8A	12A	17A

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Wiring Definition

芯位	线芯颜色		芯位	线芯颜色	
	2芯			3芯	
1	BN		1	BN	
2	-		2	-	
3	BU		3	BU	
			4	BK	

芯位	线芯颜色					
	4芯A编码		4芯B编码		4芯D编码	
1	BN		BN		YE	
2	WH		WH		WH	
3	BU		BU		OG	
4	BK		BK		BU	

芯位	线芯颜色			
	5芯A编码		5芯B编码	
1	BN		BN	
2	WH		WH	
3	BU		BU	
4	BK		BK	
5	GY		GY	

芯位	线芯颜色	
	6芯	
1	BN	
2	WH	
3	BU	
4	BK	
5	-	
6	GY	
7	RD	

芯位	线芯颜色	
	8芯	
1	WH	
2	BN	
3	GN	
4	YE	
5	GY	
6	PK	
7	BU	
8	RD	

芯位	线芯颜色	
	12芯	
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	线芯颜色	
	17芯	
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	

*接线定义按常规标准，如按协议或者其他请联系我司业务。

Electrical parameter

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芯数	针型				额定电流	额定电压		导体规格		孔型			
	A	B	C	D		A/C	D/C	AWG	mm ²	A	B	C	D
2					4A	250V	250V	22	0.34				
3					4A	250V	250V	22	0.34				
4					4A	250V	250V	22	0.34				
5					4A:A型 B型 2A:C型	60V	60V	22	0.34				
6					2A	30V	30V	24	0.25				
8					2A	30V	30V	24	0.25				
12					1.5A	30V	30V	26	0.14				
17					1.5A	30V	30V	26	0.14				

Ordering products

Product name	Pins	Part No.(Screw M12*1)	3D Download	2D Download
M12 Male Back Mount Socket (PCB, Screw M12*1, Grounded type)	2A	M12-P2A-GPFM12-JD	↓	↓
M12 Male Back Mount Socket (PCB, Screw M12*1, Grounded type)	3A	M12-P3A-GPFM12-JD	↓	↓
M12 Male Back Mount Socket (PCB, Screw M12*1, Grounded type)	4A	M12-P4A-GPFM12-JD	↓	↓
M12 Male Back Mount Socket (PCB, Screw M12*1, Grounded type)	5A	M12-P5A-GPFM12-JD	↓	↓
M12 Male Back Mount Socket (PCB, Screw M12*1, Grounded type)	6A	M12-P6A-GPFM12-JD	↓	↓
M12 Male Back Mount Socket (PCB, Screw M12*1, Grounded type)	8A	M12-P8A-GPFM12-JD	↓	↓
M12 Male Back Mount Socket (PCB, Screw M12*1, Grounded type)	12A	M12-P12A-GPFM12-JD	↓	↓
M12 Male Back Mount Socket (PCB, Screw M12*1, Grounded type)	17A	M12-P17A-GPFM12-JD	↓	↓

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M12 Male Back Mount Socket (PCB, Screw M12*1, Grounded type)	5B	M12-P5B-GPFM12-JD	↓	↓
M12 Male Back Mount Socket (PCB, Screw M12*1, Grounded type)	3C	M12-P3C-GPFM12-JD	↓	↓
M12 Male Back Mount Socket (PCB, Screw M12*1, Grounded type)	4C	M12-P4C-GPFM12-JD	↓	↓
M12 Male Back Mount Socket (PCB, Screw M12*1, Grounded type)	5C	M12-P5C-GPFM12-JD	↓	↓
M12 Male Back Mount Socket (PCB, Screw M12*1, Grounded type)	6C	M12-P6C-GPFM12-JD	↓	↓
M12 Male Back Mount Socket (PCB, Screw M12*1, Grounded type)	4D	M12-P4D-GPFM12-JD	↓	↓

Data Download

Product Catalog	CAZN-M-SERIE-CONNECTOR 、 CAZN-NMEA-Dedicated-Connector
EMC	EMC Certificate
RoHS	RoHS Certificate