

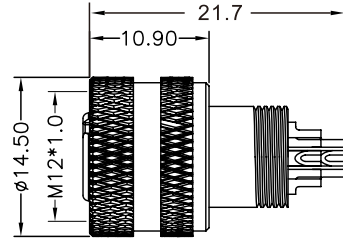
# M12 Circular connectors

## Female connector for over-molding

Product figure



Scale diagram



Contact layout/针孔排布 (Front view/前视图)

3pins

A



4pins

A



5pins

A



8pins

A



12pins

A



5pins

B



4pins

D



## Order Data/订货信息

Contacts/芯数	Coding	Order No/订货号	P/N/料号
2pins	A	120102-21-001	M12AF02001
3pins	A	120103-21-001	M12AF03001
4pins	A	120104-21-001	M12AF04001
	D	120404-21-002	M12DF04002
5pins	A	120105-21-001	M12AF05001
	B	120205-21-001	M12BF05001
8pins	A	120108-21-001	M12AF08001
12pins	A	120112-21-001	M12AF12001

## Specifications/技术参数

Number of contacts/芯数	3	4	5	8	12
Termination/接线方式	solder/焊接				
Wire gauge/线规	0.14/0.25/0.34/0.5mm <sup>2</sup> / (26/24/22/20 AWG)				
Operating temperature/工作温度	-25°C ~ +85°C				
Mechanical operation/插拔次数	> 500 mating cycles				
Rated voltage/额定电压	250V		60V	30V	
Rated current (40°C)/额定电流	4A			2A	1.5A
Protection degree/防护等级	IP67/IP68				
Contact resistance/接触电阻	< 10mΩ				
Insulation resistance/绝缘电阻	≥ 100MΩ				
Pin contact/插针材料	CuZn				
Socket contact/插孔材料	CuSn				
Contact plating/针孔镀层材料	Au				