

M12 母头面板式，PCB型，前锁安装，屏蔽针



目录仅供参考，实际规格依产品工程图为准 版本1.0

连接器系列 Connector Series: M12

类型 Gender	Female 母
编码 Coding	A,B,C,D
装配方式 Locking Type	Fix Screw 锁螺丝
安装类型 Mounting Type	Front Fastened 前锁
产品编码 Part No	M12-X**-ST1-F01-BQ*

技术参数 Technical Data

标准 Standard	IEC61076-2-101
工作温度 Ambient Temperatur	-40°C~+105°C
绝缘电阻 Insulation Resistance	≥100MΩ
接触电阻 Contact Resistance	≤5mΩ
防护等级 IP Class	IP67

机械寿命 Mating Endurance	>100 Mating Cycles
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材质说明 Material Data

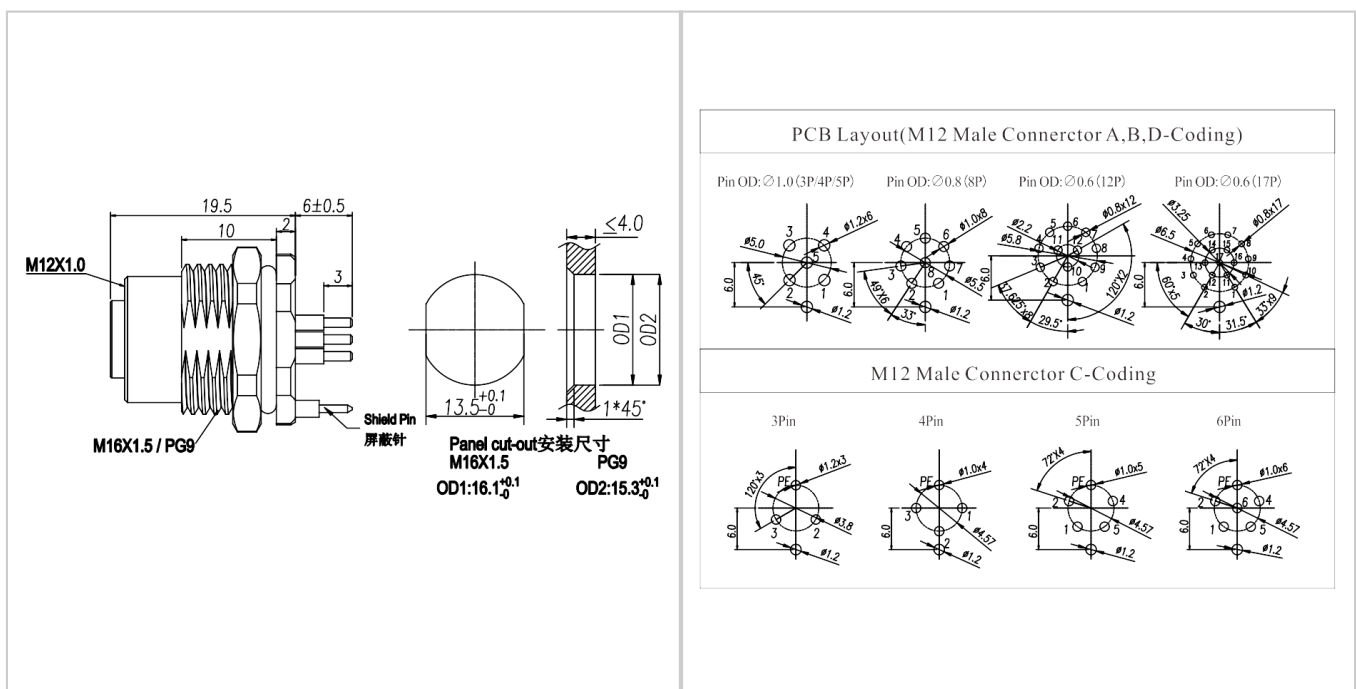
胶芯材料 Connector Carriers	PA
接触端子 Connector Contacts	Copper Alloy With Gold Plated 铜镀金
螺母/螺丝 Connector Nut/Screw	Copper Alloy With Nickel Plated 铜镀镍
屏蔽 Shielding	Ground 接地
密封胶圈 Seal/O-Ring	FKM 氟橡胶
焊脚长度 Length of the Solder Pin	6mm

电气参数&机械参数 Electrical Data & Mechanical Date

Pin数 Contacts Pin [Pins]	3	4	5	6	8	12	17
额定电流 Rated Current [A]	4	4	4/2	2	2	1.5	1.5
电压 Voltage AC/DC [V]	250/250	250/250	60/60	30/30	30/30	30/30	30/30
	0	0					
连接方式 Contacts Termination	PCB Version						

尺寸图

PCB开孔图



The technical drawings include:

- Dimensions:** A side view of the M12X1.0 connector showing a length of 19.5mm, a contact length of 6±0.5mm, and a shield pin length of 3mm. A cross-section shows a panel cut-out with a diameter of 13.5±0.1mm and a depth of 1.35±0.1mm. Another cross-section shows a diameter of 16.1±0.1mm and a depth of 15.3±0.1mm. A detail shows a 1*45° chamfer and a diameter of ≤4.0mm.
- PCB Layout (M12 Male Connector A,B,D-Coding):** Four circular diagrams showing pin layouts for different pin counts and diameters:
 - Pin OD: ∅1.0 (3P/4P/5P)
 - Pin OD: ∅0.8 (8P)
 - Pin OD: ∅0.6 (12P)
 - Pin OD: ∅0.6 (17P)
- M12 Male Connector C-Coding:** Four diagrams showing pin layouts for 3Pin, 4Pin, 5Pin, and 6Pin configurations.