STA®思大

元器件专业提供商



塑胶防水连接器

PLASTIC WATERPROOF CONNECTOR







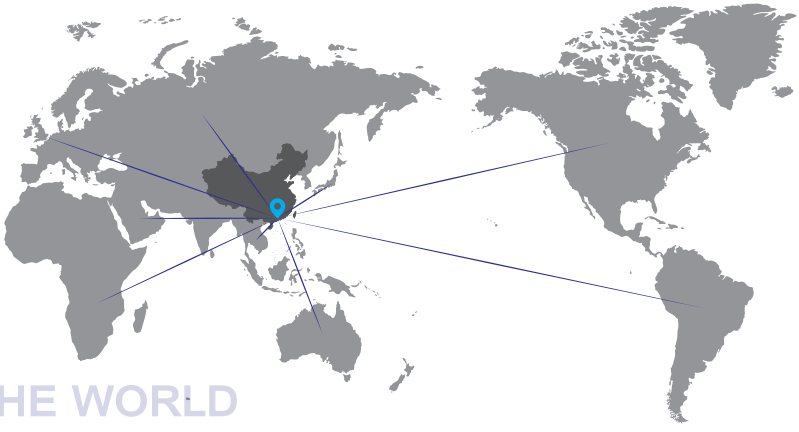






立足中国 服务全球

思大电子的销售和服务网络覆盖全球，65%以上的产品远销海外，产品广泛应用于机械制作，起重机械，机床，造纸设备，电机控制，电梯，机器人，食物及饮料，橡胶设备，陶瓷机械，印刷及包装，注塑机械，纺织机械，物流设备，电子制造，石化，新能源及其它领域。



BASED IN CHINA, SERVING THE WORLD

深圳市思大电子有限公司是一家专注于工业连接技术的国家高新技术企业，公司2014年成立于深圳，专注于欧标连接器、防水连接器、美标连接器、推拉连接器、重载连接器、射频连接器及OEM/ODM电缆连接器，为客户提供全面专业的连接解决方案。

通过我们的一站式制造服务，客户可以掌握先进的制造技术，并可根据客户需求提供定制化的产品解决方案和服务，在自动驾驶汽车和工业4.0的大环境下，思大产品广泛应用于新能源、高铁、汽车制造、智能交通、智能制造，为中国工业连接器行业的发展提供重要力量。我们的产品通过了UL产品认证：UL2238/UL1977/UL764；欧盟CE认证；以及RoHS2.0/REACH/IP67等测试，企业管理体系涵盖：ISO9001、ISO14001、ISO45001、IATF16949体系认证并推行6S管理，企业执行质量标准依照IPC-A-620，有效确保产品质量。

公司销售网络正在逐步建立，将在中国各大城市设立办事处，并在全球建立更多合作伙伴。我们的口号是“工业连接技术专家”，我们的愿景是“连接世界，连接未来”我们的业务在全球范围内不断增长，我们欢迎更多来自世界各地的合作伙伴与我们合作，共享双赢。

Shenzhen STA Electronic Co., Ltd. is a national high-tech enterprise focusing on industrial connection technology. Founded in Shenzhen in 2014, the company focuses on European standard connectors, waterproof connectors, American standard connectors, push pull connectors, heavy-duty connectors, RF connectors and OEM/ODM cable connectors, providing customers with comprehensive and professional connection solutions.

Through our one-stop manufacturing services, customers can master advanced manufacturing technology and provide customized product solutions and services according to customer needs. Under the general environment of autonomous vehicle and Industry 4.0, STA products are widely used in new energy, high-speed rail, automobile manufacturing, intelligent transportation, and intelligent manufacturing, providing an important force for the development of China's industrial connector industry. Our product has passed UL product certification: UL2238/UL1977/UL764; EU CE certification; And RoHS2.0/REACH/IP67 and other tests, the enterprise management system covers: ISO9001, ISO14001, ISO45001, IATF16949 system certification and implementation of 6S management, the enterprise implements quality standards in accordance with IPC-A-620, effectively ensuring product quality.

The company's sales network is gradually being established. It will set up offices in major cities in China and establish more partners around the world. Our slogan is "Industrial connectivity technology experts", and our vision is "Connect the world, connect the future". Our business continues to grow globally. We welcome more partners from all over the world to cooperate with us and share a win-win situation.



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咨询服务

思大为您提供全方位的服务

STA ELECTRICS PROVIDES YOU WITH A FULL RANGE OF SERVICES

我们乐于为您提供一对一的专业咨询。完善的售后体系用专业服务每一个客户。专业的售后团队，24小时专人服务，针对客户反馈的情况，及时有效的进行响应，专门成立文控中心，对每一个客户进行建档管理，实时跟踪您的需求。

We are happy to provide you with one-to-one professional consultation. Perfect after-sales system with professional service to every customer. Professional after-sales team, 24 hours dedicated service, according to the customer feedback, timely and effective response, a special document control center, for each customer file management, real-time tracking your needs.

量身定制的个性化产品，从预装配到工程服务应有尽有。

Customised products, from pre-installation to engineering services.



在线目录选型

在线产品目录提供全面的、最新的消息，涵盖超过2000多种思大电子产品，具有中英文四种语言版本。您可以从在线目录中查找到相关产品信息，如技术参数，尺寸图等相关资料。只要轻轻一点就可以下载详细的产品PDF格式规格文件。

选型网址：http://www.szstar.cn/

We offer the most comprehensive and up-to-date catalogue online, covering more than 2,000 siti electronic products, available in Both Chinese and English. You can find related product information, such as technical parameters and size drawings, from the online catalog. You can download detailed product specifications in PDF format with a single click.

Website for selection: http://www.szstar.com/

咨询服务

不论客户需要产品选型、解决方案还是售后服务，我们思大电子都以客户为中心，以“至高品质，至诚服务”为宗旨。尽所能最快时效、最优方式处理质询和服务。

Whether customers need product selection, solutions or after-sales service, we take the customer as the center, to the "highest quality, sincere service" for the purpose. We'll do our best to deal with inquiries and services in the fastest and most efficient way .

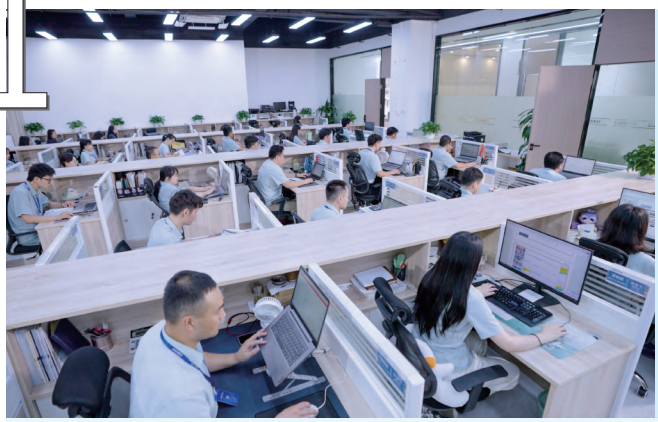


品质管理

严格按照ISO9001质量管理体系

STRICTLY IN ACCORDANCE WITH THE ISO9001 QUALITY MANAGEMENT SYSTEM

1

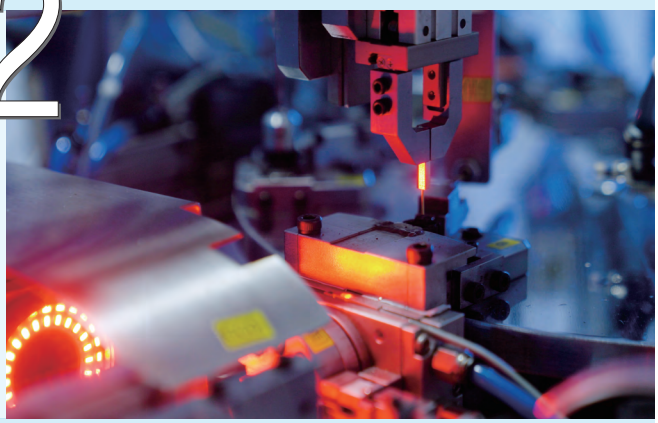


丰富经验的研发团队

思大电子从连接器的研发、模具制作到生产加工每一个环节都由资深的工程师把关，整个团队都有丰富的连接器及线束加工从业经验。

From connector research and development, mold making to production and processing, each link is controlled by senior engineers, and the whole team has rich experience in connector and wire harness processing.

2



高品质的生产检测设备

从五金加工、组装、焊接、注塑到检测，都采购先进的生产设备和检测设备，确保生产产品高品质，低不良的要求。

From hardware processing, assembly, welding, injection molding and testing, we purchase advanced production equipment and testing equipment to ensure the production of high quality products, low production defect rate requirements.

3



高素质的生产人员

随着业务高速增长，企业生产人员快速增长，公司建立完善的岗前培训、在岗深造等培训体系，打造一批高素质的生产人员。

With the rapid growth of business and the rapid growth of production personnel, we have also established a perfect pre-job training, on-the-job further education and other training systems, so as to create a group of high-quality production personnel.

应用案例

专业专注提供多样的信号、数据、动力传输连接器

PROFESSIONAL FOCUS ON PROVIDING A VARIETY OF SIGNAL、DATA、POWER TRANSMISSION CONNECTORS

智慧农业

SMART AGRICULTURE



思大电子防水连接器提供全面性的连接器解决方案，适用于各式重型机具与农耕机械相关应用，我们的连接器产品坚固耐用，可满足各式的应用需求。在各重型机械的使用场地中耐用性是现场的必备条件，而思大电子连接器防水、坚固耐用、高抗震，满足您的各式需求。

STA waterproof connectors provide comprehensive connector solutions, suitable for various heavy machinery and agricultural machinery related applications. Our connector products are sturdy and durable, and can meet various application needs. Durability is a necessary condition in the use of various heavy machinery sites. STA connectors are waterproof, sturdy, and highly earthquake resistant, meeting your various needs.

5G



世界日新月异已进行到无线世代，无线网络的发展速度跟范围都以惊人的速度成长，无线宽带及无线电发展的新技术使网络运营公司和一般企业可以随时随地传输数据和使用网络服务。无论网络运营公司在哪里安装系统，思大电子都能为客户提供“防水连接器的最佳解决方案”。

The world is changing rapidly and has entered the wireless era. The development speed and scope of wireless networks are growing at an astonishing pace. The new technologies of wireless broadband and wireless development enable network operators and general enterprises to transmit data and use network services anytime and anywhere. No matter where the network operation company installs the system, STA can provide customers with the best solution for waterproof connectors.

LED应用

LED APPLICATION



无论您需要各种型式防水连接器：讯号类、电源类、或两者兼具的连接器类型，或各种客制方案，思大电子防水连接器均可为您的户外LED应用提供整体解决方案。可根据业务需求灵活地调整产品规格。无论是创建新系统还是增强现有设计，思大电子都是您的照明防水连接器解决方案提供商，可以无缝整合各建筑物间的电源与数据传输需求。

Whether you need various types of waterproof connectors: signal type, power type, or a combination of both, or various customized solutions, STA waterproof connectors can provide a comprehensive solution for your outdoor LED applications. Product specifications can be flexibly adjusted according to business needs. Whether creating new systems or enhancing existing designs, STA is your provider of lighting waterproof connector solutions that seamlessly integrate power and data transmission needs between buildings.

航海应用

NAVIGATION APPLICATION



思大电子专精于防水连接器的研发与生产，防水连接器系列产品提供塑料跟金属材质的选择，不管是板端、带线端、组装式或配件都是专门为了船舶上的连接器使用需求设计。思大电子系列产品遵循数据通信网络的要求，以互连船舶上的电子设备的数据传输和状态控制为目的。此外，思大电子防水连接器解决方案是您船舶电子设备的完美选择。

STA specializes in the research and production of waterproof connectors. The waterproof connector series products offer a choice of plastic and metal materials, whether it is board end, wire end, assembled or accessory, they are designed specifically for the needs of connector use on ships. The STA series products comply with the requirements of data communication networks, with the aim of interconnecting electronic devices on ships for data transmission and status control. In addition, the STA waterproof connector solution is the perfect choice for your ship's electronic equipment.

现代养殖业

MODERN AQUACULTURE INDUSTRY



大多数现代养殖业设施都安装在户外极端的环境和温度下，因户外连接器的基本需求为防水、抗紫外线并可以在恶劣的温度环境下稳定工作。思大电子防水连接器具有专精的技术及多年的经验，我们的专业团队进一步构思出创新的解决方案适用于特殊环境的产品，更专精于提供各种客制的现代养殖应用解决方案。

Most modern aquaculture facilities are installed outdoors in extreme environments and temperatures, as the basic requirements for outdoor connectors are waterproofing, UV resistance, and stable operation in harsh temperature environments. STA waterproof connectors have specialized technology and years of experience. Our professional team has further conceived innovative solutions suitable for products in special environments, and is more specialized in providing various customized modern aquaculture application solutions.

智能交通

INTELLIGENT TRANSPORTATION



随着科技的普及，PC监控系统、数字录像主机、高效能视讯编码器，智能交通安全监控系统在企业与消费市场中日渐普及，已经变成日常基础设备的一环。因此，寻求更符合经济成本及效率的产品是各品牌的发展重点。思大电子提供多种防水连接器解决方案，可以满足急速增长的智能交通安全监控系统需求。

With the popularization of technology, PC monitoring systems, digital recording hosts, high-performance video encoders, and intelligent traffic safety monitoring systems are becoming increasingly popular in both enterprise and consumer markets, and have become a part of daily basic equipment. Therefore, seeking products that are more cost-effective and efficient is a key focus for the development of various brands. STA provides a variety of waterproof connector solutions to meet the rapidly growing demand for intelligent traffic safety monitoring systems.

连接技术

连接器或组件完全符合客户的规格需求

CONNECTORS OR COMPONENTS FULLY MEETS THE CUSTOMER'S SPECIFICATIONS

使用说明：连接器及其附件在正常使用情况下不允许带电或者带负载进行操作。

Instructions for use: Connectors and accessories are not allowed to be operated with power on or with load under normal use.

螺钉连接 SCREW CONNECTION

- 螺钉连接是指导线螺丝钉端子之间可拆卸的电连接方式。依据DIN/EN 60999/VDE 0609标准设计的。

  Screw connection is a detachable electrical connection between the guide wire, screw, and terminal. Designed according to DIN/EN 60999/VDE 0609.

- 适用的导线规格范围广，不用专用的工具，可现场操作的特点。

  Wide range of applicable wire specifications, no special tools, can be operated on site.

螺钉尺寸 Screw size	M2.5	M3	M3.5
扭矩(Ncm) Torque(Ncm)	40	50	60

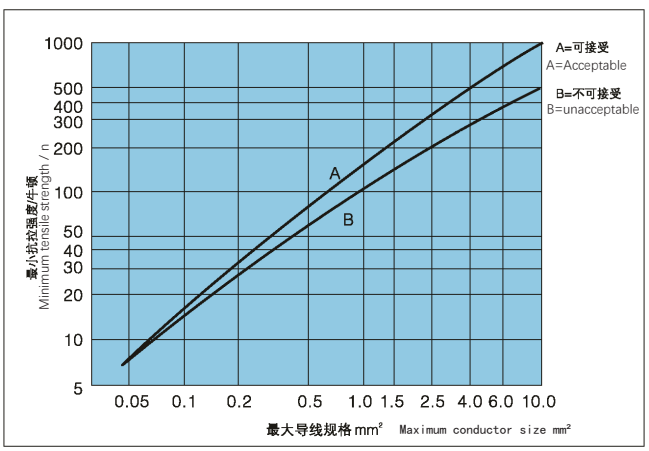
压接连接 CRIMP CONNECTION

- 压接连接是使用压接工具将导线和导体通过物理形式绞合一起的连接方式，是一种不可拆卸的电连接方式。连接要求依据DIN IEC 60352第2部分。

  Crimp connection is to use crimping tools to physically twist wires and conductors together, is a non-detachable electrical connection. Connection requirements according to DIN IEC 60352 Part 2.

- 可适用于现场接线，可靠性高，连接密度大的特点。

  Suitable for field wiring, high reliability, high connection density characteristics.



焊接连接 WELDING CONNECTION

- 焊接连接可以导线跟导体通过电洛铁和焊机连接，也可以使连接器与印刷电路板连接。焊点和附件的测试和签定参考DIN EN 60068第2-20部分操作。

  Welding connections can be wired to conductors via electro-solder irons and weld`ers, or connectors to printed circuit boards.Solder joints and accessories are tested and signed according to DIN EN 60068 part 2-20 operation.

- 适用于预制线缆连接，印刷电路板上，操作方便快捷，插针密度高。

  Suitable for prefabricated cable connection, printed circuit board, easy and fast operation, high pin density.

防水等级

专业防固保护及IP防水保护

PROFESSIONAL ANTI-SOLID PROTECTION AND IP WATERPROOF PROTECTION

连接器上的外壳，密封件及锁扣装置使连接器的电气部件免爱外界环境影响，比如冲击、异物、湿气、灰尘、水或清洁剂、冷却液、油等其它液体的入侵。

The housing, seals and latching devices on the connector protect the electrical part of the connector from external environmental influences such as shock, foreign bodies, moisture, dust, water or detergents, coolants, oils and other liquids.

下面是防护等级一览表 BELOW IS A LIST OF PROTECTION LEVELS

字母代号
"Ingress Protection"

IP

第一个数字
防固体异物保护
First Digit: Solids Protection

6

第二个数字
防水保护
Second Digit: Moisture Protection

8

数字 Protection Level	保护范围 First Digit: Solids Protection
0	无安全防护：无接触保护，无防固体异物保护。 Not rated for protection against contact or ingress (or no rating supplied).
1	防大件异物保护：防止手部大面积接触，防止直径大于50mm的异物。 Protection against solid objects larger than 50 mm (e.g. accidental contact with any large surface of the body, but not deliberate body contact).
2	防中等大小异物保护：防止手指接触，防止直径大于12. 5mm的异物。 Protection against solid objects larger than 12 mm (e.g. accidental finger contact).
3	防小件异物保护：防止工具，铁丝等直径大于2. 5mm的物体接触，防止直径大于2. 5mm的异物。 Protection against solid objects larger than 2.5 mm (e.g. tools).
4	防颗粒状异物保护：同3中所述，防异物直径大于1mm。 Protection against solid objects larger than 1 mm (e.g. small objects such as nails, screws, insects).
5	防灰尘沉积保护：防止接触，防止内部灰尘沉积。 Dust protected: partial protection against dust and other particulates (permitted ingress will not compromise the performance of internal components).
6	防灰尘进入保护：全面防止接触，防止灰尘进入。 Dust tight: full protection against dust and other particulates.

数字 Protection Level	保护范围 Second Digit: Moisture Protection
0	无防水保护。 Not rated (or no rating supplied) for protection against ingress of this type.
1	防滴水保护：防止垂直滴落的水滴。 Protection against vertically dripping water. No harmful effects when the item is upright.
2	防倾斜滴水保护：防止倾斜滴落的水滴(在垂直面15° 以内的任意角度)。Protection against vertically dripping water. No harmful effects when tilted up to 15°from normal position.
3	防洒水保护：防止来自垂直面60° 以内任意角度的洒水。 Protection against water sprayed directly at any angle up to 60°off vertical.
4	防溅水保护：防止来自各个方向的溅水。 Protection against splashing water from any direction. No harmful effects when tested for at least 10 minutes with an oscillating spray (limited ingress permitted).
5	防射水保护：防止来自任意角度的冲射喷水(喷嘴)。 Protection against low-pressure jets. No harmful effects when water projected in jets from 6.3 mm nozzle, from any direction.
6	防强烈喷水保护：防止暂时性的淹水。 Protection against powerful water jets. No harmful effects when water projected in jets from 12.5 mm nozzle, from any direction.
7	防浸水保护：防止暂时性的浸水。 Protection against full immersion at up to 1 meter depth for up to 30 minutes. Limited ingress permitted with no harmful effects.
8	防潜水保护：防止长时间浸没时加压水进入。 Protection against immersion beyond 1 meter. Equipment is suitable for continuous immersion in water. The manufacturer may specify conditions.

订货规则

全新客户定制编号规则及说明

NEW CUSTOM NUMBERING RULES AND INSTRUCTIONS

E13 T - F U2 - P W F - 1 PV -S

系列号(Serie)：
E7、E10、E13、E16

连接方式(Connection method)：
T:螺纹 B:卡扣 S:弹簧
T: Thread B: Buckle S: Circlip

公母(Male & Female)：
1. (适用于E7/E10/E13系列)
P:针型 S:孔型
P: Pin type S: Hole type

2. (适用于E-RJ/E-USB /E-FDDI/E-HDMI系列)
M:公头 F:母头
M: Male head F: Female head

连接器类型(Connector Type)：
1. 代表连接器类型(适用于E-RJ/E-USB /E-FDDI/E-HDMI系列)
U2:USB2.0
U3:USB3.0
UM:MICRO USB
T2:USB TYPE-C 2.0
T3:USB TYPE-C 3.0
T3.1:USB TYPE-C 3.1
H2:HDMI 2K
H4:HDMI 4K
H8:HDMI 8K
F1:FDDI单模单芯
F2:FDDI单模双芯
R5:RJ45 5E
R6:RJ45 6A
RJ:RJ45(适用不带水晶头的插头组装壳)

2. 代表芯数和接口型号(适用于E7/E10/E13系列)
4B:4芯,B编码
2:2芯,无编码区分

材质(Material quality)：
P:塑料插座/插头
M:成型式插头

接线方式(Connection)：
W:焊接
P:插接
S:贴片
L:螺钉
C:压接
R:非以上接线方式(如中继插座)

结构(Structure)：
A:直式插头
D:弯式插头
B:板前安装插座
F:板后安装插座
H:方形法兰插座
L:弯针插座
S:贴片式插座
O:终端电阻插头
R:中继插座
K:对接插头

线长(Cable length)：
以(M)米为单位
In (M) meters

线材(Cable material)：
PV:PVC
PU:包含TPU和PUR
PE:PE

屏蔽(Shield)：
-S:有屏蔽 空:无屏蔽
-S: Shielded Empty: No shielding

E7系列 Series

产品规格：7/16"-28UNS 美标牙规
Specifications: 7/16"-28UNS U.S. standard thread

加工工艺：焊线式，铆压式，DIP式，板前安装，板后安装
Processing technology: wire bonding, riveting, DIP, front board installation, rear board installation

产品芯数：2-8芯，
Pins number: 2-8 pins,

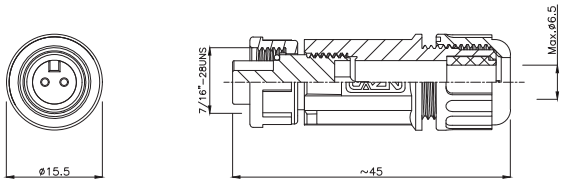
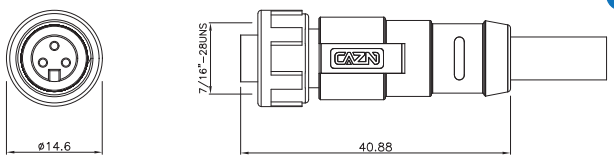
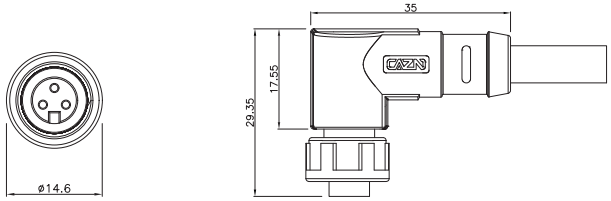
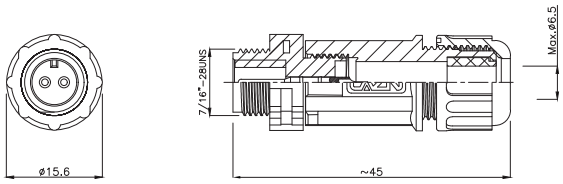
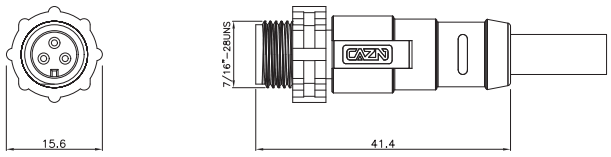
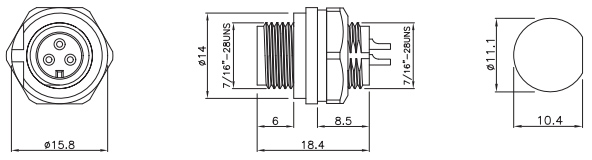
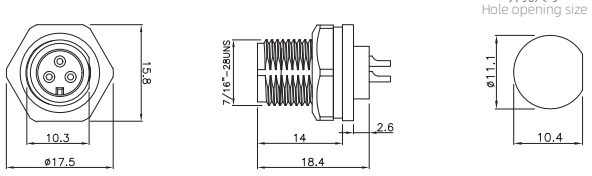
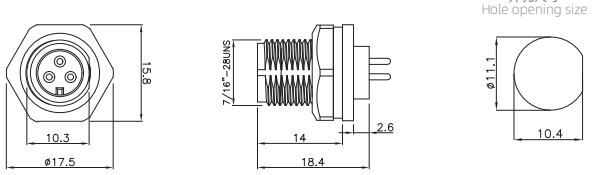
结构丰富
Rich structure

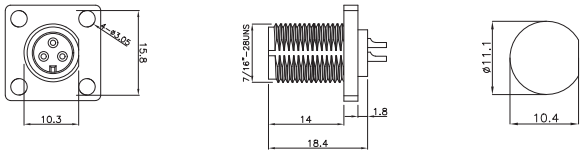
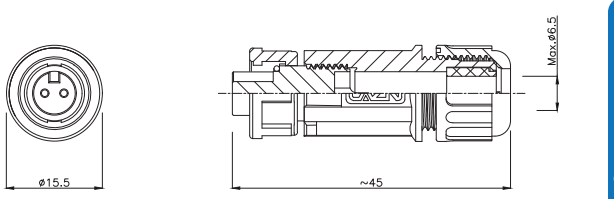
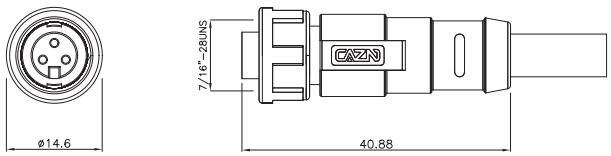
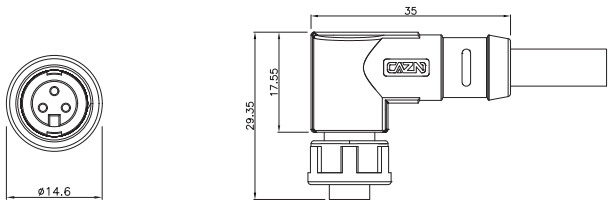
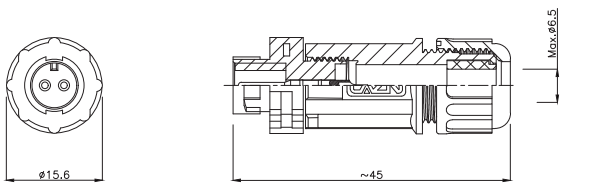
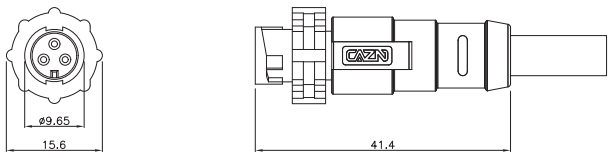
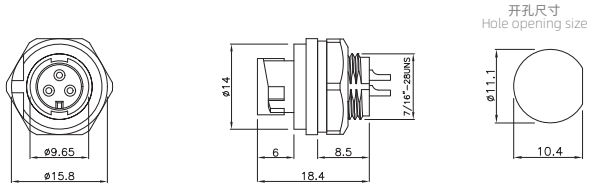
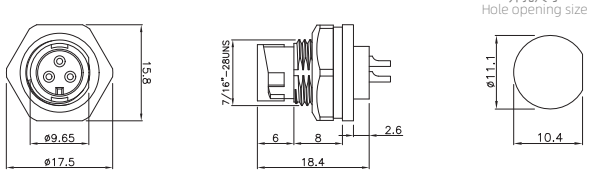
广泛应用于LED显示，监控，自动化设备及户外通讯设备。
Widely used in LED display, monitoring, automation equipment and outdoor communication equipment.



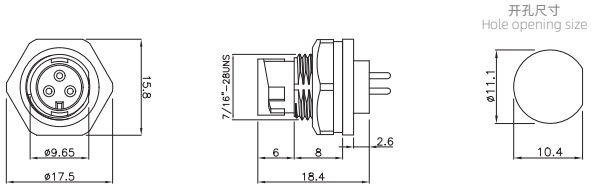
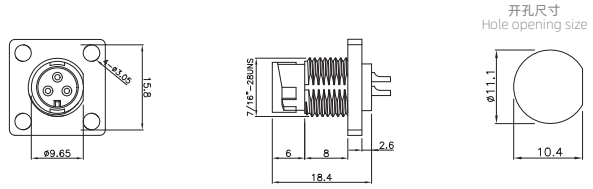
产品参数 Product parameters

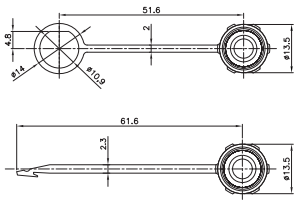
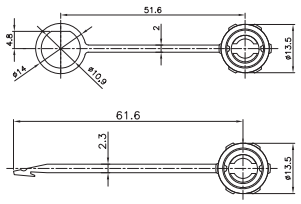
壳体材料 Shell material	热塑性塑料 PA66 Thermoplastic PA66	阻燃等级 Flame retardant grade	UL94-V0
插针材料 Contact material	黄铜/磷铜镀金 Brass / Phosphor bronze plated	接触电阻 Contact resistance	≤5mΩ
密封材料 Sealing material	环氧树脂/橡胶 Epoxy resin / Rubber	绝缘电阻 Insulation impedance	≥100MΩ
连接方式 Connection mode	螺纹式(T)/卡扣式(B) Thread(T) / Bayonet(B)	插拔次数 Durability	≥500次(Cycles)
接线工艺 Wiring process	焊接 Solder	适用温度 Applicable temperature	带线款(With wires)： -25℃ ~ +85℃ 组装款(Assemble)：-55℃ ~ +125℃
接线范围 Wiring scope	3.5mm ~ 6.8mm	防水等级 Waterproof rating	IP67

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	组装式孔型直式插头(螺纹式) E7 straight female assembled plug (Threaded) E7T - S 3 - PWA 06 芯数: 2 3 4 5 6 8	
	成型式孔型直式插头(螺纹式) E7 straight female overmolded plug (Threaded) E7T - S 3 - MWA - 1 PV 芯数: 2 3 4 5 6 8 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	成型式孔型弯式插头(螺纹式) E7 angled female overmolded plug (Threaded) E7T - S 3 - MWD - 1 PV 芯数: 2 3 4 5 6 8 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	组装式针型直式对接插头(螺纹式) E7 straight male assembled mating plug (Threaded) E7T - P 3 - PWK 06 芯数: 2 3 4 5 6	
	成型式针型直式对接插头(螺纹式) E7 straight male overmolded mating plug (Threaded) E7T - P 3 - MWK - 1 PV 芯数: 2 3 4 5 6 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	板前安装针型插座(螺纹式) E7 male front mount solder receptacle (Threaded) E7T - P 3 - PWB 芯数: 2 3 4 5 6	
	板后安装针型插座(螺纹式) E7 male back mount solder receptacle (Threaded) E7T - P 3 - PWF 芯数: 2 3 4 5 6 8	
	板后安装针型PCB板式插座(螺纹式) E7 male back mount PCB receptacle (Threaded) E7T - P 3 - PPF 芯数: 2 3 4 5 6 8	

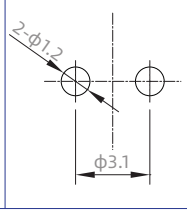
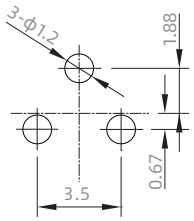
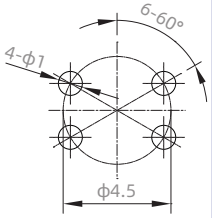
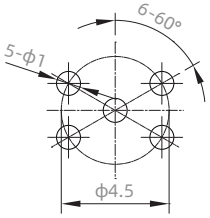
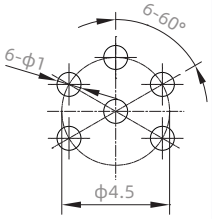
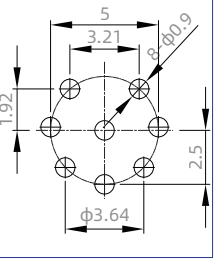
产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	方形法兰针型插座(螺纹式) E7 square flange male socket (Threaded) E7T - P 3 - PWH 芯数: 2 3 4 5 6	
	组装式孔型直式插头(卡扣式) E7 straight female assembled plug (Bayonet) E7B - S 3 - PWA 06 芯数: 2 3 4 5 6 8	
	成型式孔型直式插头(卡扣式) E7 straight female overmolded plug (Bayonet) E7B - S 3 - MWA - 1 PV 芯数: 2 3 4 5 6 8 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	成型式孔型弯式插头(卡扣式) E7 angled female overmolded plug (Bayonet) E7B - S 3 - MWD - 1 PV 芯数: 2 3 4 5 6 8 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	组装式针型直式对接插头(卡扣式) E7 straight male assembled mating plug (Bayonet) E7B - P 3 - PWK 06 芯数: 2 3 4 5 6	
	成型式针型直式对接插头(卡扣式) E7 straight male overmolded mating plug (Bayonet) E7B - P 3 - MWK - 1 PV 芯数: 2 3 4 5 6 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	板前安装针型插座(卡扣式) E7 male front mount solder receptacle (Bayonet) E7B - P 3 - PWB 芯数: 2 3 4 5 6	
	板后安装针型插座(卡扣式) E7 male back mount solder receptacle (Bayonet) E7B - P 3 - PWF 芯数: 2 3 4 5 6 8	

E7 系列连接器 series connector

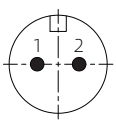
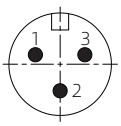
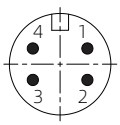
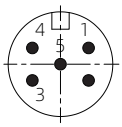
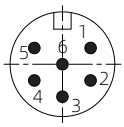
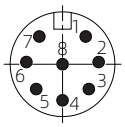
产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	板后安装针型PCB板式插座(卡扣式) E7 male back mount PCB receptacle (Bayonet) E7B - P 3 - PPF 芯数：2 3 4 5 6 8	
	方形法兰针型插座(卡扣式) E7 square flange male socket (Bayonet) E7B - P 3 - PWH 芯数：2 3 4 5 6	

	E7防尘盖(螺纹式) E7 dust cover (Thread) E7T - VP - ST 尾扣：ST:单切边连接带 PI:插入式连接带 Tail buckle: ST:Single cut edge connecting tape PI:Plug in connector tape	
	E7防尘盖(卡扣式) E7 dust cover (Bayonet) E7B - VP - ST 尾扣：ST:单切边连接带 PI:插入式连接带 Tail buckle: ST:Single cut edge connecting tape PI:Plug in connector tape	

E7·PCB芯位图 PCB pins arrangement

芯位 Pins	2	3	4	5	6	8
芯位图 Pins arrangement						

E7·电气参数 Electrical Parameters

芯数排列及技术参数 Pins arrangement & Technical parameters						
芯位 Pins	2	3	4	5	6	8
芯位排布 Pins arrangement						
规格 Specifications						
芯位 Pins	2	3	4	5	6	8
线规 Wire gauge	0.519mm²(20AWG)		0.34mm²(20AWG)			
引脚类型 Pin type	ϕ1.0mm		ϕ0.8mm			
接线范围 Wiring range	3.5mm ~ 6.8mm					
防水等级 Waterproof grade	IP67					
插拔次数 Durability	≥500 次(Cycles)					
适应温度 Applicable temperature	带线款(With wires):-25℃ ~ +85℃ / 组装款(Assemble):-55℃ ~ +125℃					
额定电压 Rated voltage	125V	125V	60V	60V	60V	60V
额定电流 Rated current	5A	5A	2A	2A	2A	2A

E10系列 Series

产品规格：5/8"-27UNS 美标牙规
Specifications: 5/8"-27UNS U.S. standard thread

加工工艺：焊线式，铆压式，DIP式，板前安装，板后安装
Processing technology: wire bonding, riveting, DIP, front board installation, rear board installation

产品芯数：2-12芯，有大电流，小电流，
Pins number: 2-12 pins, Current: high current and low current,

结构丰富
Rich structure

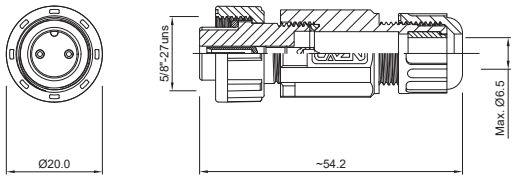
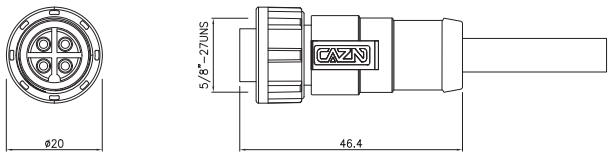
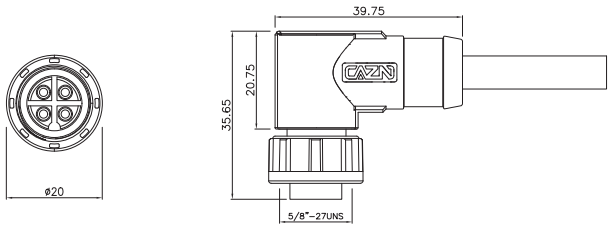
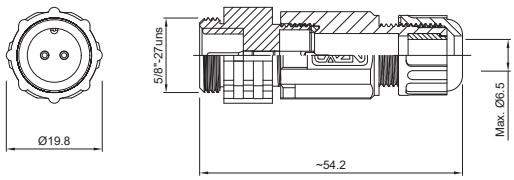
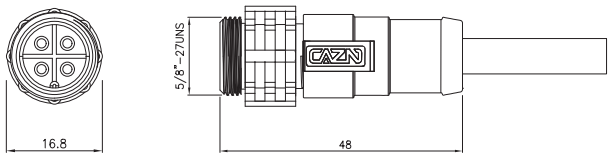
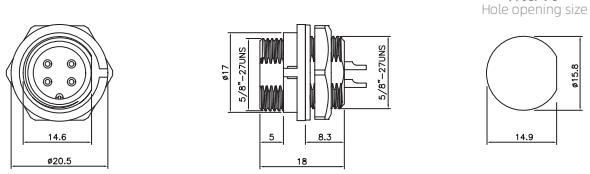
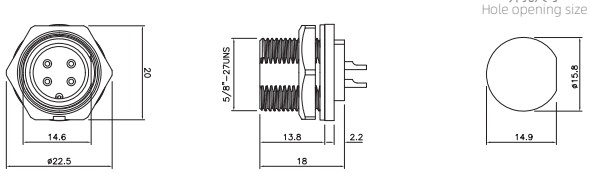
广泛应用于LED显示，监控，自动化设备及户外通讯设备。
Widely used in LED display, monitoring, automation equipment and outdoor communication equipment.



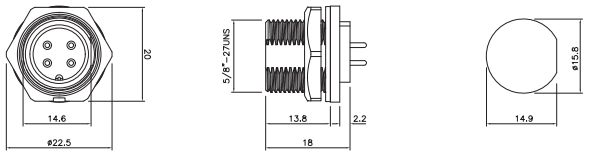
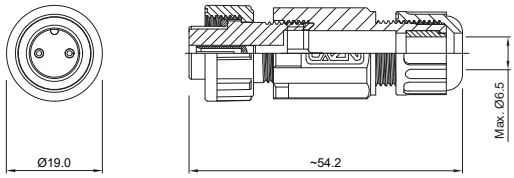
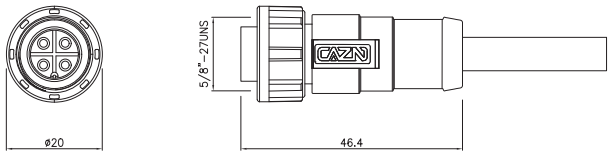
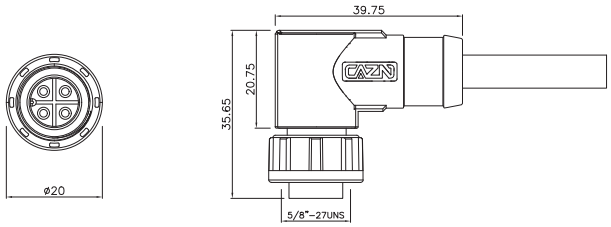
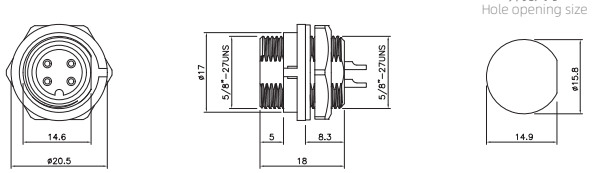
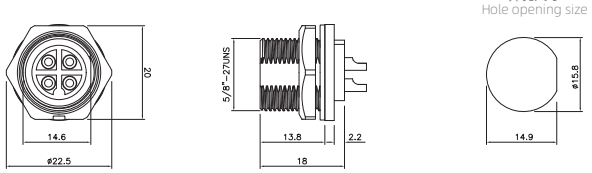
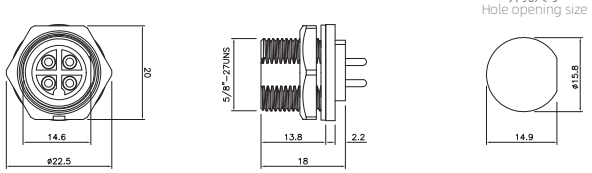
产品参数 Product parameters

壳体材料 Shell material	热塑性塑料 PA66 Thermoplastic PA66	阻燃等级 Flame retardant grade	UL94-V0
插针材料 Contact material	黄铜/磷铜镀金 Brass / Phosphor bronze plated	接触电阻 Contact resistance	≤5mΩ
密封材料 Sealing material	环氧树脂/橡胶 Epoxy resin / Rubber	绝缘电阻 Insulation impedance	≥100MΩ
连接方式 Connection mode	螺纹式(T)/卡扣式(B) Thread(T) / Bayonet(B)	插拔次数 Durability	≥500次(Cycles)
接线工艺 Wiring process	焊接 Solder	适用温度 Applicable temperature	带线款(With wires)： -25℃ ~ +85℃ 组装款(Assemble)：-55℃ ~ +125℃
接线范围 Wiring scope	4.0mm ~ 8.0mm	防水等级 Waterproof rating	IP67

E10 系列连接器–螺纹型 series connector - theraded

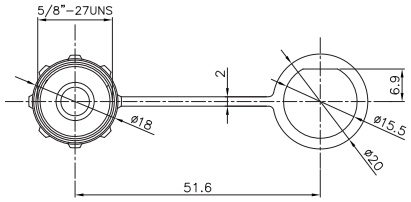
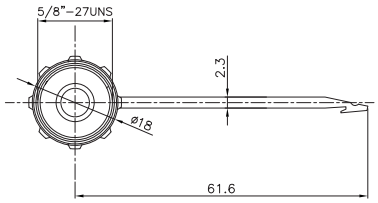
产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	组装式孔型直式插头(螺纹式) E10 straight female assembled plug (Threaded) E10T - S 3B - PWA 06 芯数: A:2 3 4 5 6 7 8 10 12 B:2B 3B 4B C:2C 3C 4C	
	成型式孔型直式插头(螺纹式) E10 straight female overmolded plug (Threaded) E10T - S 3B - MWA - 1 PV 芯数: A:2 3 4 5 6 7 8 10 12 B:2B 3B 4B C:2C 3C 4C 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	成型式孔型弯式插头(螺纹式) E10 angled female overmolded plug (Threaded) E10T - S 3B - MWD - 1 PV 芯数: A:2 3 4 5 6 7 8 10 12 B:2B 3B 4B C:2C 3C 4C 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	组装式针型直式对接插头(螺纹式) E10 straight male assembled mating plug (Threaded) E10T - P 3B - PWK 06 芯数: A:2 3 4 5 6 7 8 10 12 B:2B 3B 4B C:2C 3C 4C	
	成型式针型直式对接插头(螺纹式) E10 straight male overmolded mating plug (Threaded) E10T - P 3B - MWK - 1 PV 芯数: A:2 3 4 5 6 7 8 10 12 B:2B 3B 4B C:2C 3C 4C 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	板前安装针型插座(螺纹式) E10 male front mount solder receptacle (Threaded) E10T - P 3B - PWB 芯数: A:2 3 4 5 6 7 8 10 12 B:2B 3B 4B C:2C 3C 4C	
	板后安装针型插座(螺纹式) E10 male back mount solder receptacle (Threaded) E10T - P 3B - PWF 芯数: A:2 3 4 5 6 7 8 10 12 B:2B 3B 4B C:2C 3C 4C	

E10 系列连接器–螺纹型 series connector - theraded

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	板后安装针型PCB板式插座(螺纹式) E10 male back mount PCB receptacle (Threaded) E10T - P 3B - PPF 芯数: A:2 3 4 5 6 7 8 10 12 B:2B 3B 4B C:2C 3C 4C	
	组装式针型直式插头(螺纹式) E10 straight male assembled plug (Threaded) E10T - P 3B - PWA 06 芯数: A:2 3 4 5 6 7 8 B:2B 3B 4B C:2C 3C 4C	
	成型式针型直式插头(螺纹式) E10 straight male overmolded plug (Threaded) E10T - P 3B - MWA - 1 PV 芯数: A:2 3 4 5 6 7 8 B:2B 3B 4B C:2C 3C 4C 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	成型式针型弯式插头(螺纹式) E10 angled male overmolded plug (Threaded) E10T - P 3B - MWD - 1 PV 芯数: A:2 3 4 5 6 7 8 B:2B 3B 4B C:2C 3C 4C 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	板前安装孔型插座(螺纹式) E10 female front mount solder receptacle (Threaded) E10T - S 3B - PWB 芯数: A:2 3 4 5 6 7 8 B:2B 3B 4B C:2C 3C 4C	
	板后安装孔型插座(螺纹式) E10 female back mount solder receptacle (Threaded) E10T - S 3B - PWF 芯数: A:2 3 4 5 6 7 8 B:2B 3B 4B C:2C 3C 4C	
	板后安装孔型PCB板式插座(螺纹式) E10 female back mount PCB receptacle (Threaded) E10T - S 3B - PPF 芯数: A:2 3 4 5 6 7 8 B:2B 3B 4B C:2C 3C 4C	

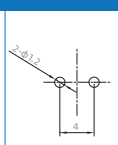
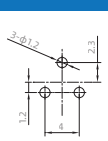
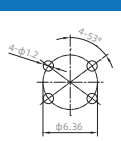
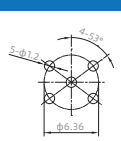
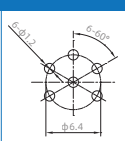
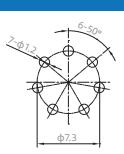
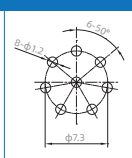
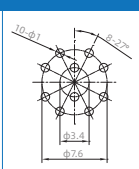
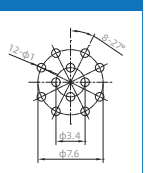
反装 Reverse

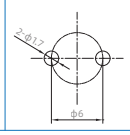
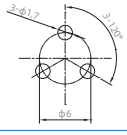
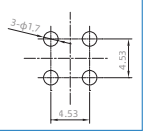
E10 系列连接器–螺纹型 series connector - theraded

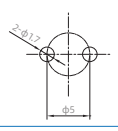
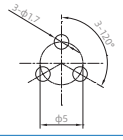
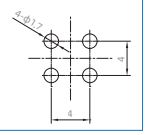
产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	防尘盖圆孔(螺纹式) E10 dust cover round hole (Threaded) E10T-VP-ST	
	防尘盖插销(螺纹式) E10 dust cover latch (Threaded) E10T-VP-PI	

配件 Accessories

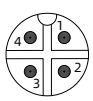
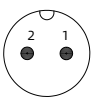
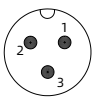
E10·PCB芯位图 PCB pins arrangement

芯位 Pins	2	3	4	5	6	7	8	10	12
A 编码 A-code									

芯位 Pins	2B	3B	4B
B 编码 B-code			

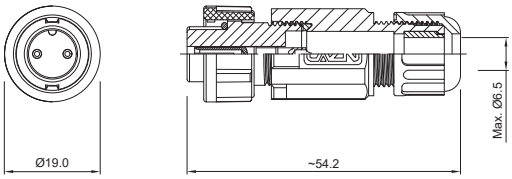
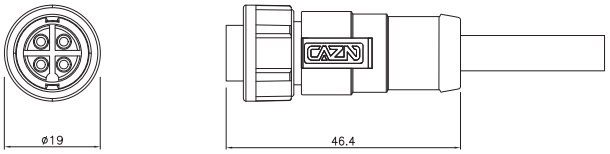
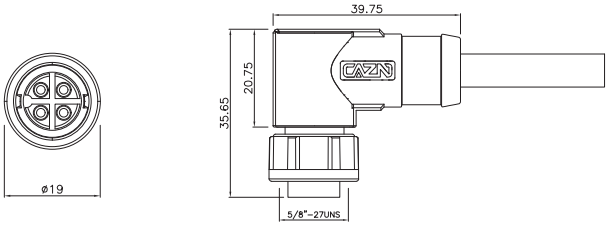
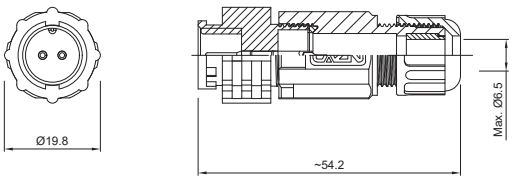
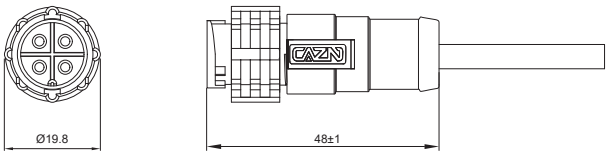
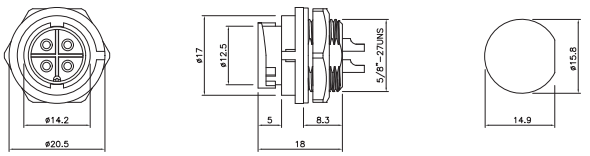
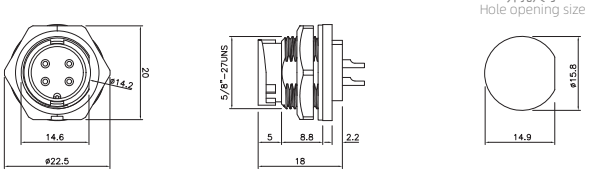
芯位 Pins	2C	3C	4C
C 编码 C-code			

E10·电气参数 Electrical Parameters

芯数排列及技术参数 PIns arrangement & TechnIcal parameters										
芯位 Pins	2B	3B	4B	2C	3C	4C				
芯位排布 Pins arrangement										
芯位 Pins	2	3	4	5	6	7	8	10	12	
芯位排布 Pins arrangement										

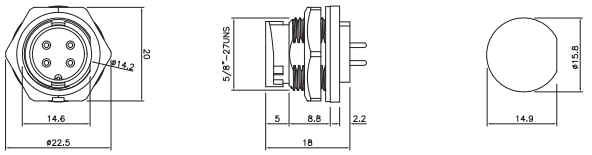
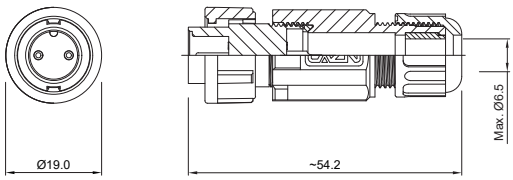
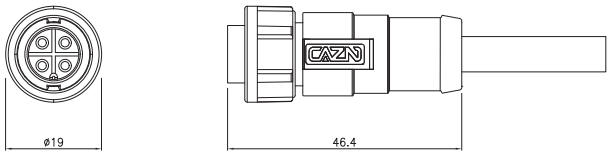
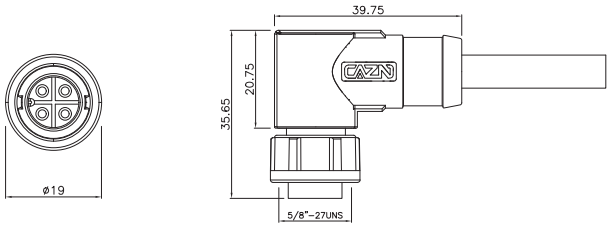
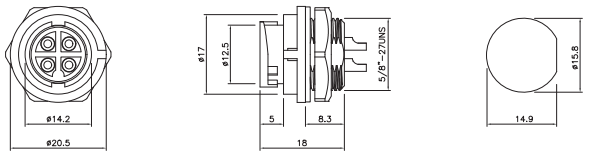
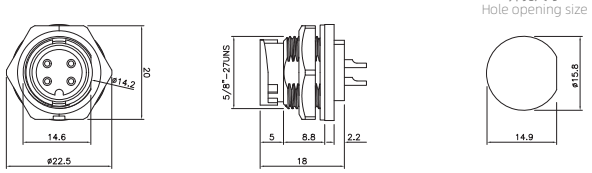
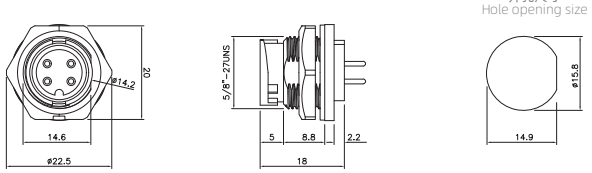
规格 Specifications															
芯位 Pins	2B	3B	4B	2C	3C	4C	2	3	4	5	6	7	8	10	12
线规 Wire gauge	0.823mm²(18AWG)						0.519mm²(20AWG)							0.34mm²(22AWG)	
引脚类型 Pin type	ϕ1.6mm						ϕ1.0mm							ϕ0.8mm	
接线范围 Wiring range	4.0mm ~ 8.0mm														
防水等级 Waterproof grade	IP67														
插拔次数 Durability	500														
适应温度 Applicable temperature	带线款(With wires):-25℃ ~ +85℃ / 组装款(Assemble):-55℃ ~ +125℃														
额定电压 Rated voltage	300V	300V	300V	125V	125V	125V	60V	60V	60V	60V	60V	60V	60V	30V	30V
额定电流 Rated current	10A	10A	10A	10A	10A	10A	5A	5A	5A	5A	5A	5A	5A	2A	2A

E10 系列连接器–卡扣型 series connector - bayonet

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	组装式孔型直式插头(卡扣式) E10 straight female assembled plug (Bayonet) E10B - S 3B - PWA 06 芯数: A:2 3 4 5 6 7 8 10 12 B:2B 3B 4B C:2C 3C 4C	
	成型式孔型直式插头(卡扣式) E10 straight female overmolded plug (Bayonet) E10B - S 3B - MWA - 1 PV 芯数: A:2 3 4 5 6 7 8 10 12 B:2B 3B 4B C:2C 3C 4C 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	成型式孔型弯式插头(卡扣式) E10 angled female overmolded plug (Bayonet) E10B - S 3B - MWD - 1 PV 芯数: A:2 3 4 5 6 7 8 10 12 B:2B 3B 4B C:2C 3C 4C 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	组装式针型直式对接插头(卡扣式) E10 straight male assembled mating plug (Bayonet) E10B - P 3B - PWK 06 芯数: A:2 3 4 5 6 7 8 10 12 B:2B 3B 4B C:2C 3C 4C	
	成型式针型直式对接插头(卡扣式) E10 straight male overmolded mating plug (Bayonet) E10B - P 3B - MWK - 1 PV 芯数: A:2 3 4 5 6 7 8 10 12 B:2B 3B 4B C:2C 3C 4C 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	板前安装针型插座(卡扣式) E10 male front mount solder receptacle (Bayonet) E10B - P 3B - PWB 芯数: A:2 3 4 5 6 7 8 10 12 B:2B 3B 4B C:2C 3C 4C	
	板后安装针型插座(卡扣式) E10 male back mount solder receptacle (Bayonet) E10B - P 3B - PWF 芯数: A:2 3 4 5 6 7 8 10 12 B:2B 3B 4B C:2C 3C 4C	

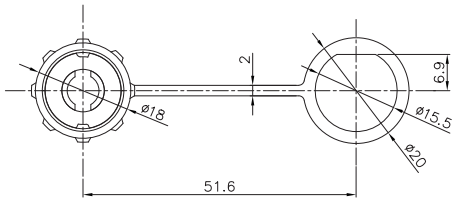
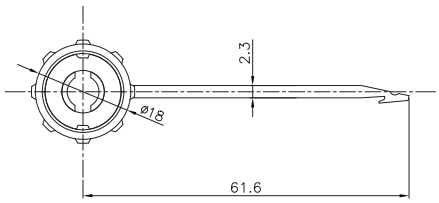
正装 Fromal

E10 系列连接器—卡扣型 series connector - bayonet

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	板后安装针型PCB板式插座(卡扣式) E10 male back mount PCB receptacle (Bayonet) E10B - P 3B - PPF 芯数: A:2 3 4 5 6 7 8 10 12 B:2B 3B 4B C:2C 3C 4C	
	组装式针型直式插头(卡扣式) E10 straight male assembled plug (Bayonet) E10B - P 3B - PWA 06 芯数: A:2 3 4 5 6 7 8 B:2B 3B 4B C:2C 3C 4C	
	成型式针型直式插头(卡扣式) E10 straight male overmolded plug (Bayonet) E10B - P 3B - MWA - 1 PV 芯数: A:2 3 4 5 6 7 8 B:2B 3B 4B C:2C 3C 4C 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	成型式针型弯式插头(卡扣式) E10 angled male overmolded plug (Bayonet) E10B - P 3B - MWD - 1 PV 芯数: A:2 3 4 5 6 7 8 B:2B 3B 4B C:2C 3C 4C 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	板前安装孔型插座(卡扣式) E10 female front mount solder receptacle (Bayonet) E10B - S 3B - PWB 芯数: A:2 3 4 5 6 7 8 B:2B 3B 4B C:2C 3C 4C	
	板后安装孔型插座(卡扣式) E10 female back mount solder receptacle (Bayonet) E10B - S 3B - PWF 芯数: A:2 3 4 5 6 7 8 B:2B 3B 4B C:2C 3C 4C	
	板后安装孔型PCB板式插座(卡扣式) E10 female back mount PCB receptacle (Bayonet) E10B - S 3B - PPF 芯数: A:2 3 4 5 6 7 8 B:2B 3B 4B C:2C 3C 4C	

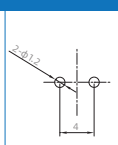
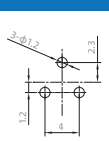
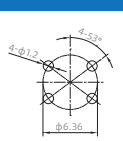
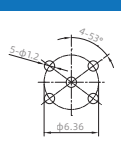
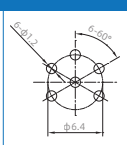
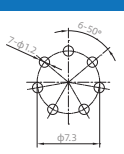
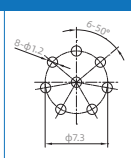
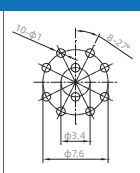
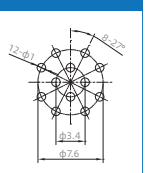
反装 Reverse

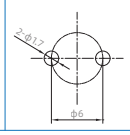
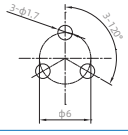
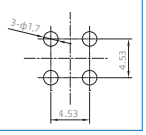
E10 系列连接器—卡扣型 series connector - bayonet

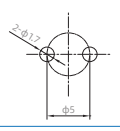
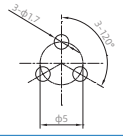
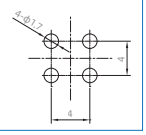
产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	防尘盖圆孔(卡扣式) E10 dust cover round hole (Bayonet) E10B-VP-ST	
	防尘盖插销(卡扣式) E10 dust cover latch (Bayonet) E10B-VP-PI	

配件 Accessories

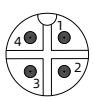
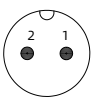
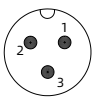
E10·PCB芯位图 PCB pins arrangement

芯位 Pins	2	3	4	5	6	7	8	10	12
A 编码 A-code									

芯位 Pins	2B	3B	4B
B 编码 B-code			

芯位 Pins	2C	3C	4C
C 编码 C-code			

E10·电气参数 Electrical Parameters

芯数排列及技术参数 PIns arrangement & TechnIcal parameters															
芯位 Pins	2B		3B		4B		2C		3C		4C				
芯位排布 Pins arrangement															
芯位 Pins	2	3	4	5	6	7	8	10	12						
芯位排布 Pins arrangement															

规格 Specifications															
芯位 Pins	2B	3B	4B	2C	3C	4C	2	3	4	5	6	7	8	10	12
线规 Wire gauge	0.823mm²(18AWG)						0.519mm²(20AWG)							0.34mm²(22AWG)	
引脚类型 Pin type	ϕ1.6mm						ϕ1.0mm							ϕ0.8mm	
接线范围 Wiring range	4.0mm ~ 8.0mm														
防水等级 Waterproof grade	IP67														
插拔次数 Durability	500														
适应温度 Applicable temperature	带线款(With wires):-25℃ ~ +85℃ / 组装款(Assemble):-55℃ ~ +125℃														
额定电压 Rated voltage	300V	300V	300V	125V	125V	125V	60V	60V	60V	60V	60V	60V	60V	30V	30V
额定电流 Rated current	10A	10A	10A	10A	10A	10A	5A	5A	5A	5A	5A	5A	5A	2A	2A

E13系列 Series

产品规格：13/16"-28UNS 美标牙规
Specifications: 13/16"-28UNS U.S. standard thread

产品芯数：2-18芯，有大电流，小电流及混装，
Pins number: 2-18 pins, Current: 2A, 5A, 10A, 20A and 15+2A(Mixed-current)

加工工艺：焊线式，铆压式，DIP式，板前安装，板后安装
Processing technology: wire bonding, riveting, DIP, front board installation, rear board installation

结构丰富
Rich structure

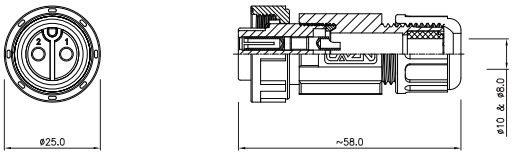
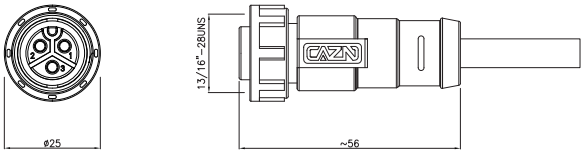
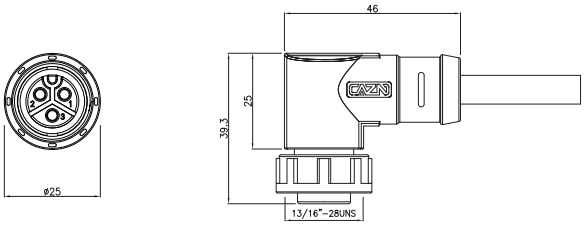
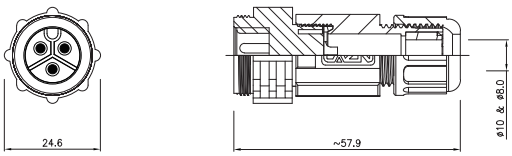
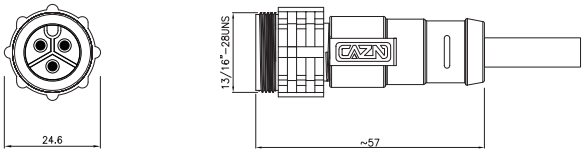
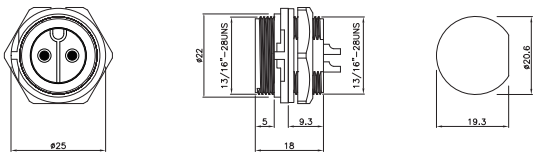
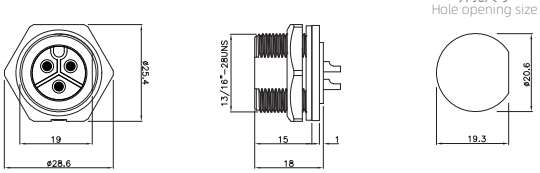
广泛应用于LED显示，监控，自动化设备及户外通讯设备。
Widely used in LED display, monitoring, automation equipment and outdoor communication equipment.



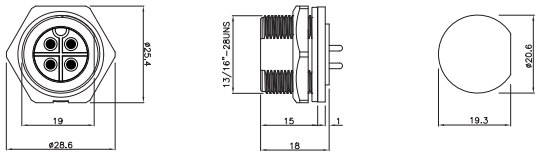
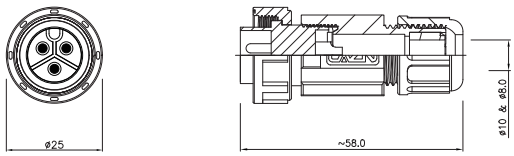
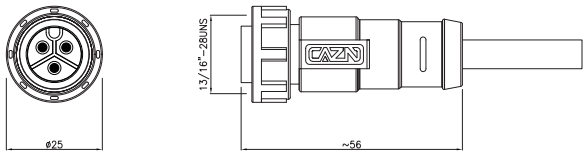
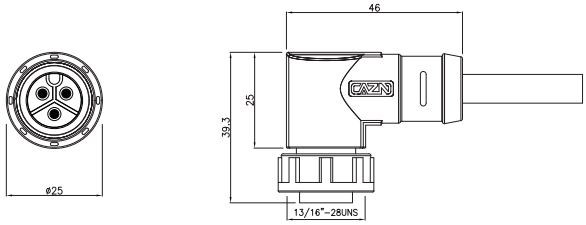
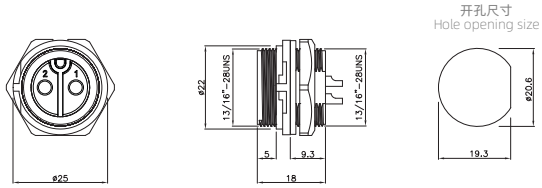
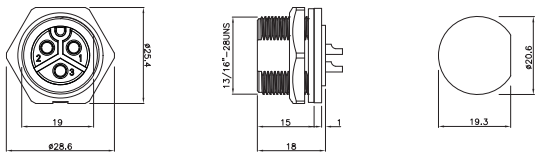
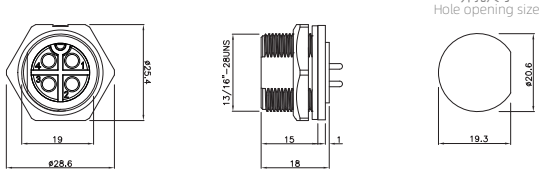
产品参数 Product parameters

壳体材料 Shell material	热塑性塑料 PA66 Thermoplastic PA66	阻燃等级 Flame retardant grade	UL94-V0
插针材料 Contact material	黄铜/磷铜镀金 Brass / Phosphor bronze plated	接触电阻 Contact resistance	≤5mΩ
密封材料 Sealing material	环氧树脂/橡胶 Epoxy resin / Rubber	绝缘电阻 Insulation impedance	≥100MΩ
连接方式 Connection mode	螺纹式(T)/卡扣式(B) Thread(T) / Bayonet(B)	插拔次数 Durability	≥500次(Cycles)
接线工艺 Wiring process	焊接 Solder	适用温度 Applicable temperature	带线款(With wires)： -25℃ ~ +85℃ 组装款(Assemble)：-55℃ ~ +125℃
接线范围 Wiring scope	6.0mm ~ 10.0mm	防水等级 Waterproof rating	IP67

E13 系列连接器–螺纹型 series connector - theraded

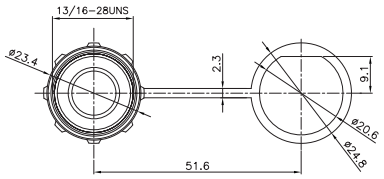
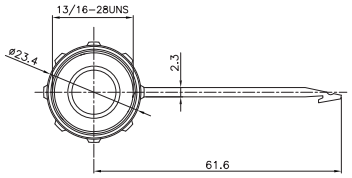
产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	组装式孔型直式插头(螺纹式) E13 straight female Assembled plug (Threaded) E13T - S 3B - PWA 08 芯数: A:2 3 4 5 6 7 8 9 10 12 14 18 B:2B 3B 4B C:8C 出线口: 08:φ8 10:φ10	
	成型式孔型直式插头(螺纹式) E13 straight female overmolded plug (Threaded) E13T - S 3B - MWA - 1 PV 芯数: A:2 3 4 5 6 7 8 9 10 12 14 18 B:2B 3B 4B C:8C 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	成型式孔型弯式插头(螺纹式) E13 angled female overmolded plug (Threaded) E13T - S 3B - MWD - 1 PV 芯数: A:2 3 4 5 6 7 8 9 10 12 14 18 B:2B 3B 4B C:8C 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	组装式针型直式对接插头(螺纹式) E13 straight male Assembled mating plug (Threaded) E13T - P 3B - PWK 08 芯数: A:2 3 4 5 6 7 8 9 10 12 14 18 B:2B 3B 4B C:8C 出线口: 08:φ8 10:φ10	
	成型式针型直式对接插头(螺纹式) E13 straight male overmolded mating plug (Threaded) E13T - P 3B - MWK - 1 PV 芯数: A:2 3 4 5 6 7 8 9 10 12 14 18 B:2B 3B 4B C:8C 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	板前安装针型插座(螺纹式) E13 male front mount solder receptacle (Threaded) E13T - P 3B - PWB 芯数: A:2 3 4 5 6 7 8 9 10 12 14 18 B:2B 3B 4B C:8C	
	板后安装针型插座(螺纹式) E13 male back mount solder receptacle (Threaded) E13T - P 3B - PWF 芯数: A:2 3 4 5 6 7 8 9 10 12 14 18 B:2B 3B 4B C:8C	

E13 系列连接器–螺纹型 series connector - theraded

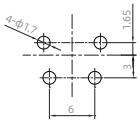
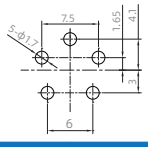
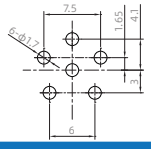
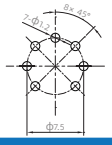
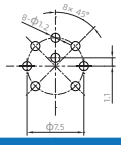
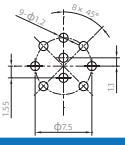
产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	板后安装针型PCB版式插座(螺纹式) E13 male back mount PCB receptacle (Threaded) E13T - P 3B - PPF 芯数: A:2 3 4 5 6 7 8 9 10 12 14 18 B:2B 3B 4B C:8C	
	组装式针型直式插头(螺纹式) E13 straight male Assembled plug (Threaded) E13T - P 3B - PWA 08 芯数: A:2 3 4 5 6 7 8 9 10 12 14 B:2B 3B 4B C:8C 出线口: 08:φ8 10:φ10	
	成型式针型直式插头(螺纹式) E13 straight male overmolded plug (Threaded) E13T - P 3B - MWA - 1 PV 芯数: A:2 3 4 5 6 7 8 9 10 12 14 B:2B 3B 4B C:8C 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	成型式针型弯式插头(螺纹式) E13 angled male overmolded plug (Threaded) E13T - P 3B - MWD - 1 PV 芯数: A:2 3 4 5 6 7 8 9 10 12 14 B:2B 3B 4B C:8C 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	板前安装孔型插座(螺纹式) E13 female front mount solder receptacle (Threaded) E13T - S 3B - PWB 芯数: A:2 3 4 5 6 7 8 9 10 12 14 B:2B 3B 4B C:8C	
	板后安装孔型插座(螺纹式) E13 female back mount solder receptacle (Threaded) E13T - S 3B - PWF 芯数: A:2 3 4 5 6 7 8 9 10 12 14 B:2B 3B 4B C:8C	
	板后安装孔型PCB版式插座(螺纹式) E13 female back mount PCB receptacle (Threaded) E13T - S 3B - PPF 芯数: A:2 3 4 5 6 7 8 9 10 12 14 B:2B 3B 4B C:8C	

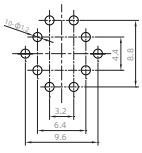
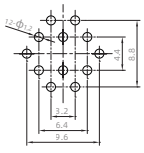
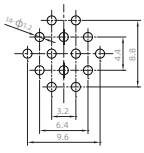
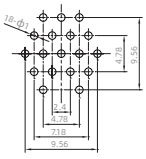
反装 Reverse

E13 系列连接器–螺纹型 series connector - theraded

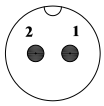
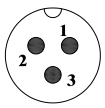
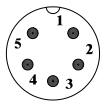
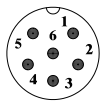
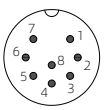
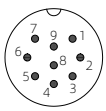
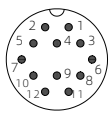
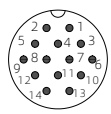
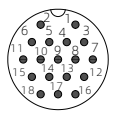
产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	防尘盖圆孔(螺纹式) E13 dust cover round hole (Threaded) E13T-VP-ST	
	防尘盖插销(螺纹式) E13 dust cover latch (Threaded) E13T-VP-PI	

E13·PCB芯位图 PCB pins arrangement

4	5	6	7	8	9
					

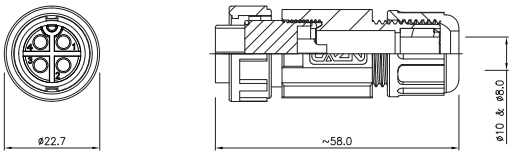
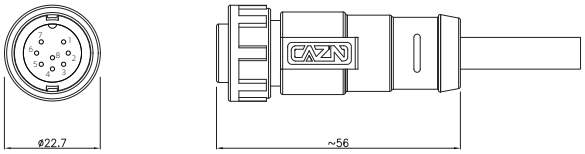
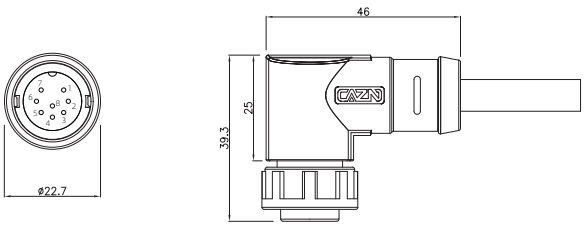
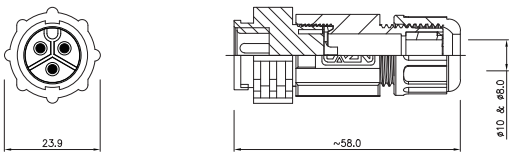
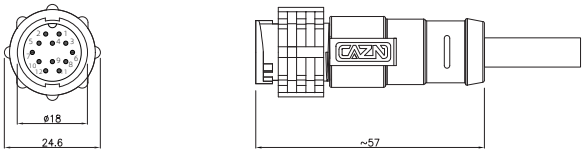
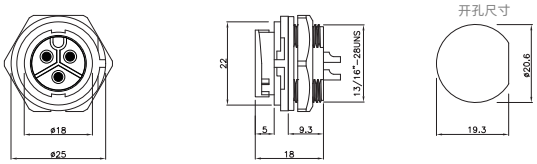
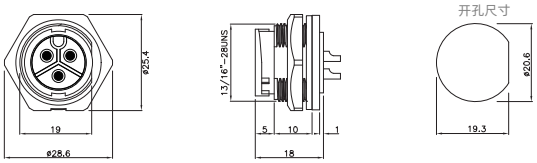
10	12	14	18
			

E13·电气参数 Electrical Parameters

芯数排列及技术参数 Pins arrangement & Technical parameters								
芯位 Pins	2B	3B	4B	2	3	4	5	6
芯位排布 Pins arrangement								
芯位 Pins	8C	7	8	9	10	12	14	18
芯位排布 Pins arrangement								

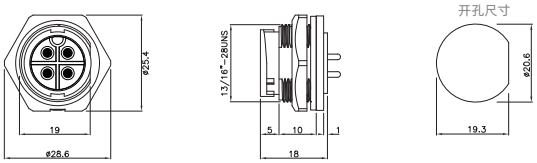
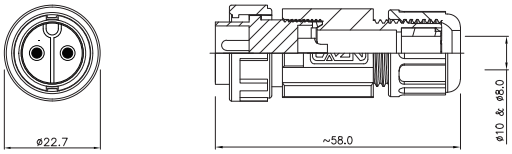
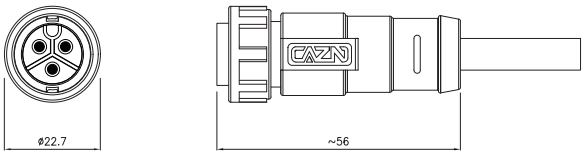
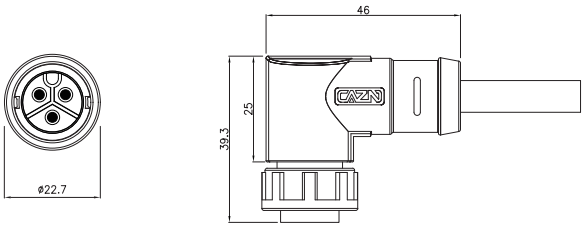
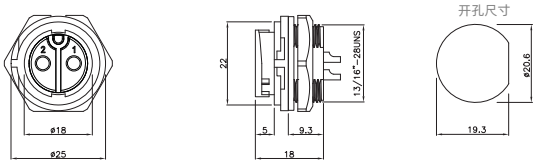
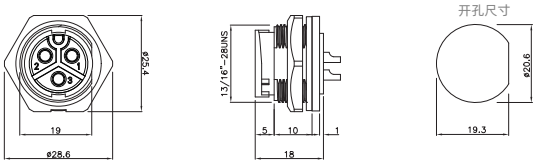
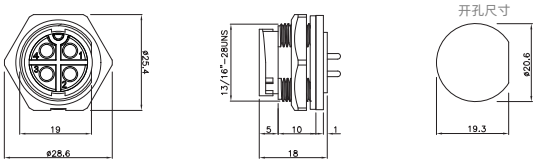
规格 Specifications																
芯位 Pins	2B	3B	4B	2	3	4	5	6	8C	7	8	9	10	12	14	18
线规 Wire gauge	2.5mm²(14AWG)					0.823mm²(18AWG)			16AWG + 22AWG	0.519mm²(20AWG)						22AWG
引脚类型 Pin type	ϕ2.4mm					ϕ1.6mm			ϕ2.0mm + ϕ0.8mm	ϕ1.0mm						ϕ0.8mm
接线范围 Wiring range	6.0mm ~ 10.0mm															
防水等级 Waterproof grade	IP67															
插拔次数 Durability	⩾500															
适应温度 Applicable temperature	带线款(With wires):-25℃ ~ +85℃ / 组装款(Assemble):-55℃ ~ +125℃															
额定电压 Rated voltage	300V	300V	300V	125V	125V	125V	125V	125V	125+30V	60V	60V	60V	60V	60V	60V	30V
额定电流 Rated current	20A	20A	20A	20A	20A	10A	10A	10A	15+2A	5A	5A	5A	5A	5A	5A	2A

E13 系列连接器—卡扣型 series connector - bayonet

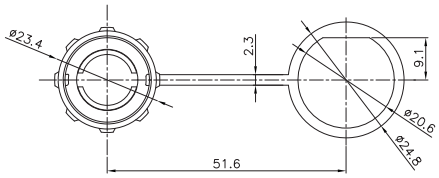
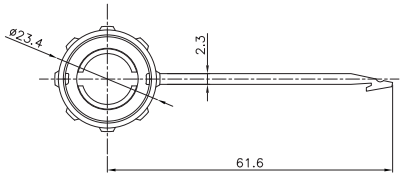
产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	组装式孔型直式插头(卡扣式) E13 straight female Assembled plug (Bayonet) E13B - S 3B - PWA 08 芯数：A:2 3 4 5 6 7 8 9 10 12 14 18 B:2B 3B 4B C:8C 出线口：08:φ8 10:φ10	
	成型式孔型直式插头(卡扣式) E13 straight female overmolded plug (Bayonet) E13B - S 3B - MWA - 1 PV 芯数：A:2 3 4 5 6 7 8 9 10 12 14 18 B:2B 3B 4B C:8C 线长(M)：1:1M 2.5:2.5M ..... 线材：PV:PVC PU:PU	
	成型式孔型弯式插头(卡扣式) E13 angled female overmolded plug (Bayonet) E13B - S 3B - MWD - 1 PV 芯数：A:2 3 4 5 6 7 8 9 10 12 14 18 B:2B 3B 4B C:8C 线长(M)：1:1M 2.5:2.5M ..... 线材：PV:PVC PU:PU	
	组装式针型直式对接插头(卡扣式) E13 straight male Assembled mating plug (Bayonet) E13B - P 3B - PWK 08 芯数：A:2 3 4 5 6 7 8 9 10 12 14 18 B:2B 3B 4B C:8C 出线口：08:φ8 10:φ10	
	成型式针型直式对接插头(卡扣式) E13 straight male overmolded mating plug (Bayonet) E13B - P 3B - MWK - 1 PV 芯数：A:2 3 4 5 6 7 8 9 10 12 14 18 B:2B 3B 4B C:8C 线长(M)：1:1M 2.5:2.5M ..... 线材：PV:PVC PU:PU	
	板前安装针型插座(卡扣式) E13 male front mount solder receptacle (Bayonet) E13B - P 3B - PWB 芯数：A:2 3 4 5 6 7 8 9 10 12 14 18 B:2B 3B 4B C:8C	
	板后安装针型插座(卡扣式) E13 male back mount solder receptacle (Bayonet) E13B - P 3B - PWF 芯数：A:2 3 4 5 6 7 8 9 10 12 14 18 B:2B 3B 4B C:8C	

正装 Fromal

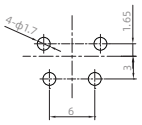
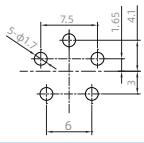
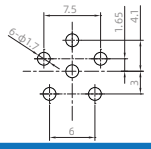
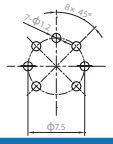
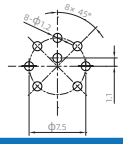
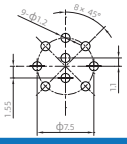
E13 系列连接器—卡扣型 series connector - bayonet

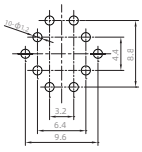
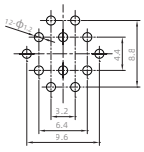
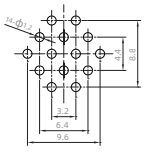
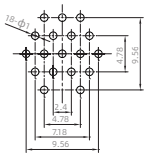
产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	板后安装针型PCB版式插座(卡扣式) E13 male back mount PCB receptacle (Bayonet) E13B - P 3B - PPF 芯数：A:2 3 4 5 6 7 8 9 10 12 14 18 B:2B 3B 4B C:8C	
	组装式针型直式插头(卡扣式) E13 straight male Assembled plug (Bayonet) E13B - P 3B - PWA 08 芯数：A:2 3 4 5 6 7 8 9 10 12 14 B:2B 3B 4B C:8C 出线口：08:ϕ8 10:ϕ10	
	成型式针型直式插头(卡扣式) E13 straight male overmolded plug (Bayonet) E13B - P 3B - MWA - 1 PV 芯数：A:2 3 4 5 6 7 8 9 10 12 14 B:2B 3B 4B C:8C 线长(M)：1:1M 2.5:2.5M ..... 线材：PV:PVC PU:PU	
	成型式针型弯式插头(卡扣式) E13 angled male overmolded plug (Bayonet) E13B - P 3B - MWD - 1 PV 芯数：A:2 3 4 5 6 7 8 9 10 12 14 B:2B 3B 4B C:8C 线长(M)：1:1M 2.5:2.5M ..... 线材：PV:PVC PU:PU	
	板前安装孔型插座(卡扣式) E13 female front mount solder receptacle (Bayonet) E13B - S 3B - PWB 芯数：A:2 3 4 5 6 7 8 9 10 12 14 B:2B 3B 4B C:8C	
	板后安装孔型插座(卡扣式) E13 female back mount solder receptacle (Bayonet) E13B - S 3B - PWF 芯数：A:2 3 4 5 6 7 8 9 10 12 14 B:2B 3B 4B C:8C	
	板后安装孔型PCB版式插座(卡扣式) E13 female back mount PCB receptacle (Bayonet) E13B - S 3B - PPF 芯数：A:2 3 4 5 6 7 8 9 10 12 14 B:2B 3B 4B C:8C	

E13 系列连接器—卡扣型 series connector - bayonet

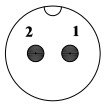
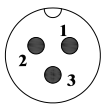
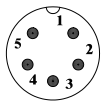
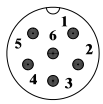
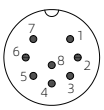
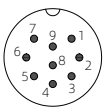
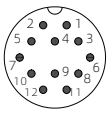
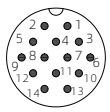
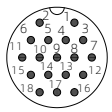
产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	防尘盖圆孔(卡扣式) E13 dust cover round hole (Bayonet) E13B-VP-ST	
	防尘盖插销(卡扣式) E13 dust cover latch (Bayonet) E13B-VP-PI	

E13·PCB芯位图 PCB pins arrangement

4	5	6	7	8	9
					

10	12	14	18
			

E13·电气参数 Electrical Parameters

芯数排列及技术参数 Pins arrangement & Technical parameters								
芯位 Pins	2B	3B	4B	2	3	4	5	6
芯位排布 Pins arrangement								
芯位 Pins	8C	7	8	9	10	12	14	18
芯位排布 Pins arrangement								

规格 Specifications																
芯位 Pins	2B	3B	4B	2	3	4	5	6	8C	7	8	9	10	12	14	18
线规 Wire gauge	2.5mm²(14AWG)					0.823mm²(18AWG)			16AWG + 22AWG	0.519mm²(20AWG)						22AWG
引脚类型 Pin type	ϕ2.4mm					ϕ1.6mm			ϕ2.0mm + ϕ0.8mm	ϕ1.0mm						ϕ0.8mm
接线范围 Wiring range	6.0mm ~ 10.0mm															
防水等级 Waterproof grade	IP67															
插拔次数 Durability	⩾500															
适应温度 Applicable temperature	带线款(With wires):-25℃ ~ +85℃ / 组装款(Assemble):-55℃ ~ +125℃															
额定电压 Rated voltage	300V	300V	300V	125V	125V	125V	125V	125V	125+30V	60V	60V	60V	60V	60V	60V	30V
额定电流 Rated current	20A	20A	20A	20A	20A	10A	10A	10A	15+2A	5A	5A	5A	5A	5A	5A	2A

E16系列 Series

产品规格：1"-20UNEF 美标牙规
Specifications: 1"-20UNEF U.S. standard thread

加工工艺：焊线式，铆压式，DIP式，板前安装，板后安装
Processing technology: wire bonding, riveting, DIP, front board installation, rear board installation

产品芯数：2-22芯，有大电流，小电流及混装，
Pins number: 2-22 pins, Current: 2A, 5A, 10A, 20A and 15+2A(Mix-current)

结构丰富
Rich structure

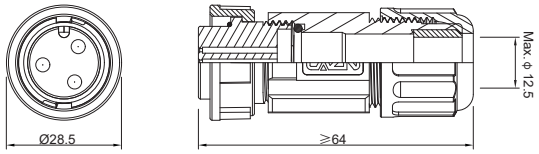
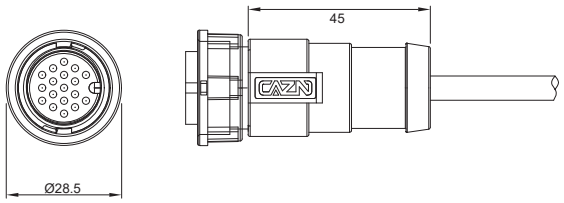
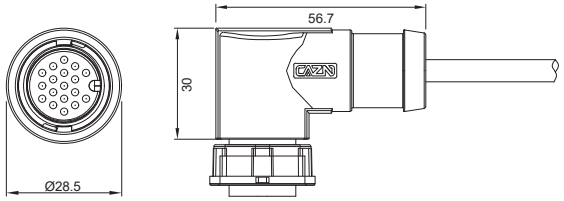
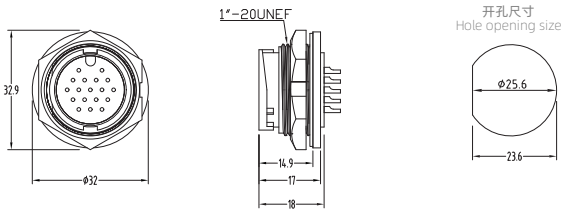
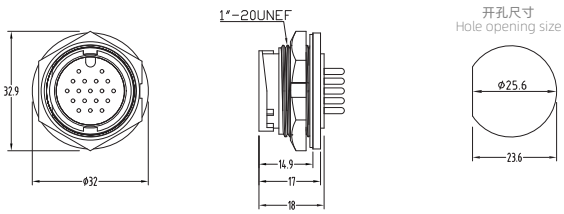
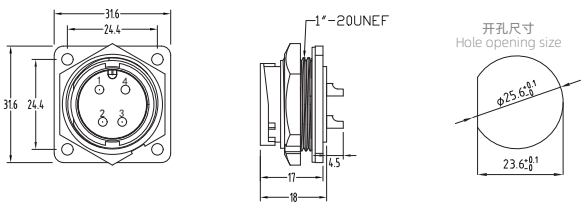
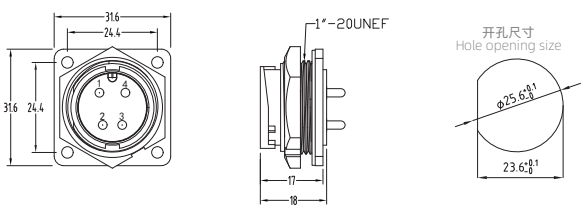
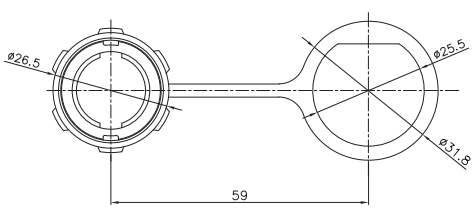
广泛应用于户外照明，安防监控，自动化设备及户外通讯设备。
Widely used in LED display, monitoring, automation equipment and outdoor communication equipment.



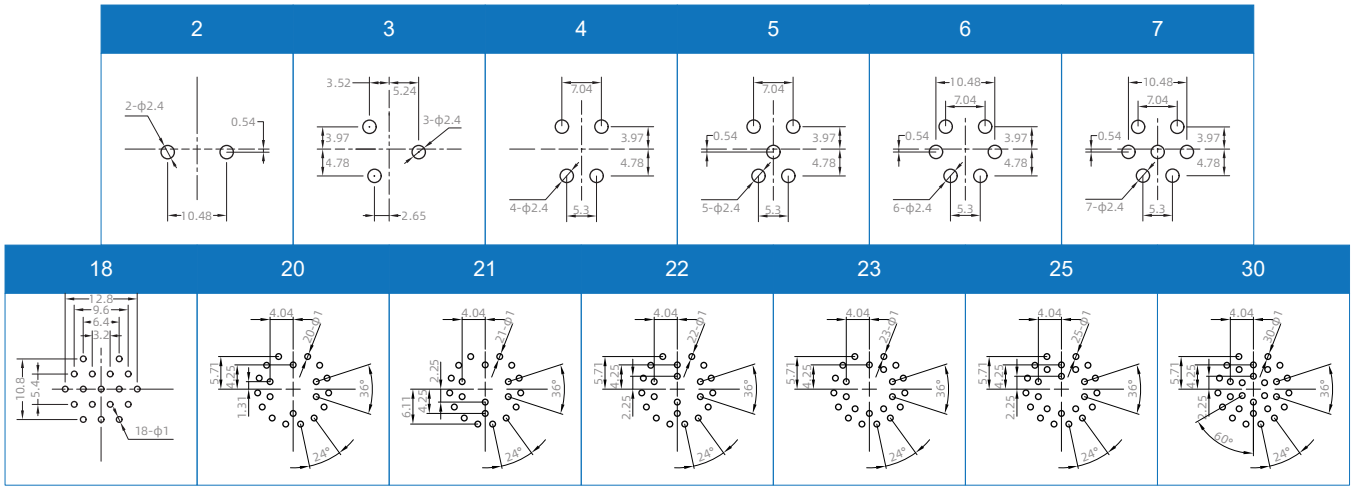
产品参数 Product parameters

壳体材料 Shell material	热塑性塑料 PA66 Thermoplastic PA66	阻燃等级 Flame retardant grade	UL94-V0
插针材料 Contact material	黄铜/磷铜镀金 Brass / Phosphor bronze plated	接触电阻 Contact resistance	≤5mΩ
密封材料 Sealing material	环氧树脂/橡胶 Epoxy resin / Rubber	绝缘电阻 Insulation impedance	≥100MΩ
连接方式 Connection mode	卡扣式(B) Bayonet(B)	插拔次数 Durability	≥500次(Cycles)
接线工艺 Wiring process	焊接 Solder	适用温度 Applicable temperature	带线款(With wires)： -25℃ ~ +85℃ 组装款(Assemble)：-55℃ ~ +125℃
接线范围 Wiring scope	6.0mm ~ 12.6mm	防水等级 Waterproof rating	IP67

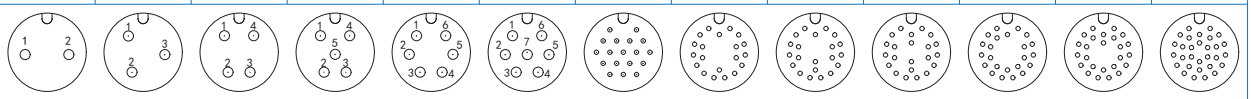
E16 系列连接器—卡扣型 series connector - bayonet

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	组装式孔型直式插头(卡扣式) E16 straight female assembled plug (Bayonet) E16B - S 3 - PWA12.5 芯数: A:2 3 4 5 6 7 18 20 21 22 23 25 30	
	成型式孔型直式插头(卡扣式) E16 straight female overmolded plug (Bayonet) E16B - S 3 - MWA - 1 PV 芯数: A:2 3 4 5 6 7 18 20 21 22 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	成型式孔型弯式插头(卡扣式) E16 angled female overmolded plug (Bayonet) E16B - S 3 - MWD - 1 PV 芯数: A:2 3 4 5 6 7 18 20 21 22 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	板后安装针型插座(卡扣式) E16 male back mount solder receptacle (Bayonet) E16B - P 3 - PWF 芯数: A:2 3 4 5 6 7 18 20 21 22 23 25 30	
	板后安装针型PCB版式插座(卡扣式) E16 male back mount PCB receptacle (Bayonet) E16B - P 3 - PPF 芯数: A:2 3 4 5 6 7 18 20 21 22 23 25 30	
	方形法兰针型插座(卡扣式) E16 square flange male socket (Bayonet) E16B - P 3 - PWH 芯数: A:2 3 4 5 6 7 18 20 21 22 23 25 30	
	方形法兰针型PCB版式插座(卡扣式) E16 square flange male PCB plate socket (Bayonet) E16B - P 3 - PPH 芯数: A:2 3 4 5 6 7 18 20 21 22 23 25 30	
	E16防尘盖圆孔(卡扣式) E16 dust cover round hole (Bayonet) E16B-VP-ST	

E16·PCB芯位图 PCB pins arrangement



E16·电气参数 Electrical Parameters

芯数排列及技术参数 PIns arrangement & TechnIcal parameters													
芯位 Pins	2	3	4	5	6	7	18	20	21	22	23	25	30
芯位排布 Pins arrangement													
规格 Specifications													
芯位 Pins	2	3	4	5	6	7	18	20	21	22	23	25	30
线规 Wire gauge	0.5~4mm²(16~12AWG)						0.25~0.5mm²(24~20AWG)	0.14~0.25mm²(26~24AWG)					
引脚类型 Pin type	ϕ2.4mm						ϕ1.0mm						
接线范围 Wiring range	6.0mm ~ 12.6mm												
防水等级 Waterproof grade	IP67												
插拔次数 Durability	⩾500												
适应温度 Applicable temperature	带线款(With wires):-25℃ ~ +85℃ / 组装款(Assemble):-55℃ ~ +125℃												
额定电压 Rated voltage	250~500V	250~500V	250~500V	250V	250V	250V	50V	50V	50V	50V	50V	50V	50V
额定电流 Rated current	20A	20A	20A	20A	20A	20A	5A	2A	2A	2A	2A	2A	2A

防水RJ45 Waterproof RJ45 series

产品有CAT5e、CAT6a两个标准规格
The product has two standard specifications: CAT5E, CAT6A

有螺纹，卡扣两种连接方式
Two coupling way: Threaded, Bayonet

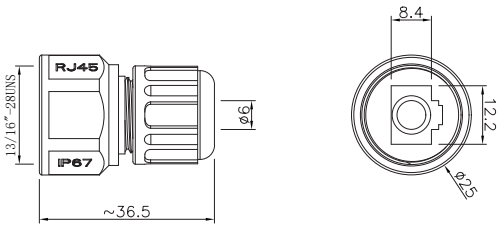
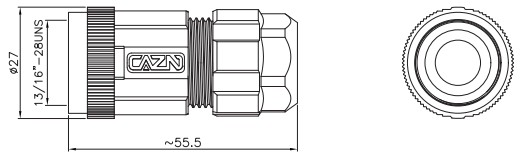
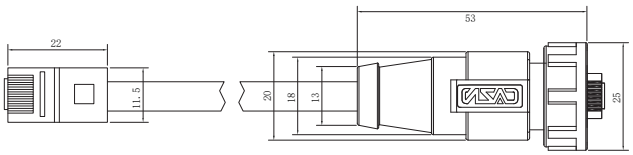
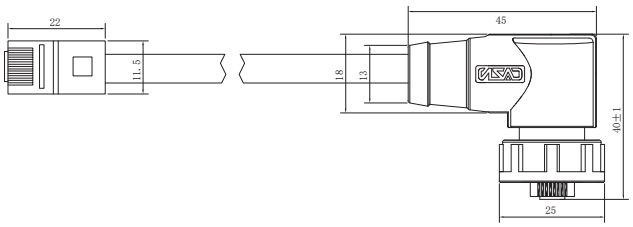
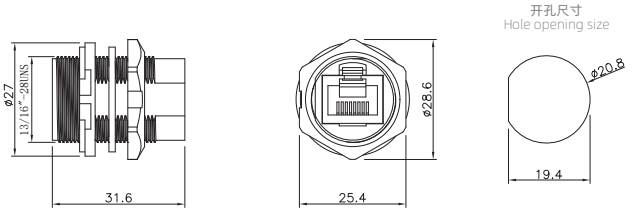
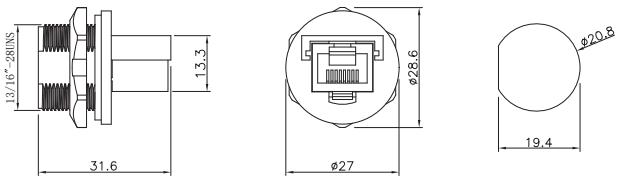
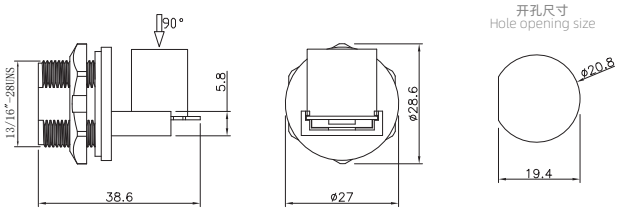
插头组装式，插座板前安装，板后安装及PCB板多种安装方式
A variety of installation: Assembly Plug, Front Mount Socket, Back Mount Socket and PCB Mount Socket



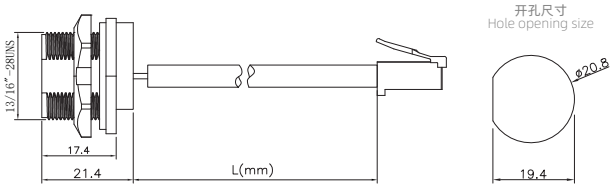
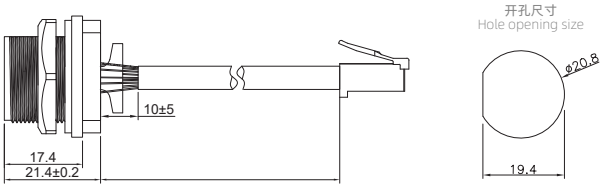
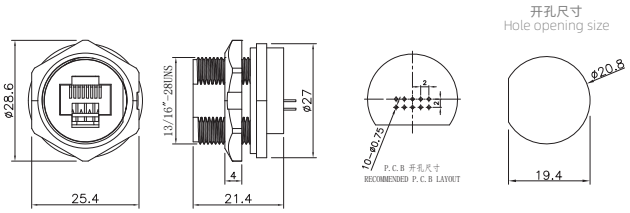
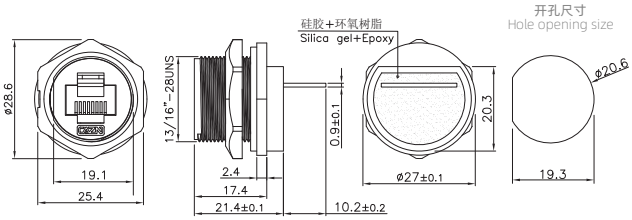
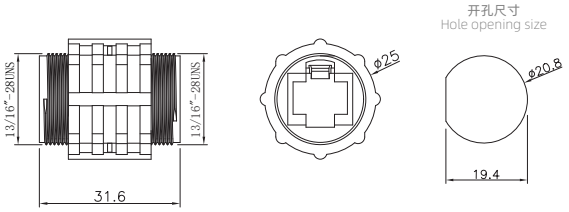
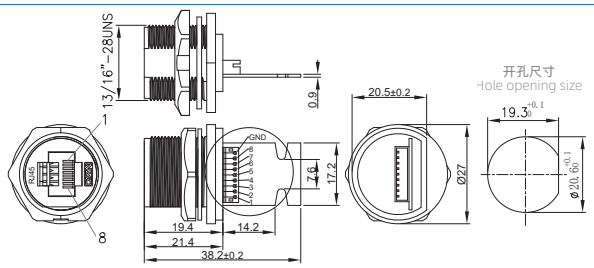
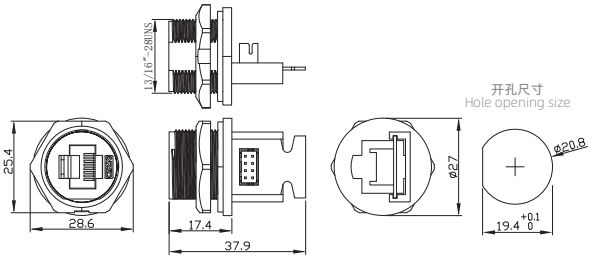
产品参数 Product parameters

壳体材料 Shell material	热塑性塑料 PA66 Thermoplastic PA66	阻燃等级 Flame retardant grade	UL94-V0
插针材料 Contact material	黄铜/磷铜镀金 Brass / Phosphor bronze plated	接触电阻 Contact resistance	≤5mΩ
密封材料 Sealing material	环氧树脂/橡胶 Epoxy resin / Rubber	绝缘电阻 Insulation impedance	≥100MΩ
接线工艺 Wiring process	水晶头铆接 RJ45 riveting	适用温度 Applicable temperature	带线款(With wires)： -25℃ ~ +85℃ 组装款(Assemble)：-55℃ ~ +125℃
接线范围 Wiring scope	5.5mm ~ 7.0mm	防水等级 Waterproof rating	IP67

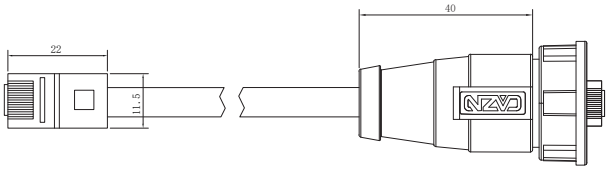
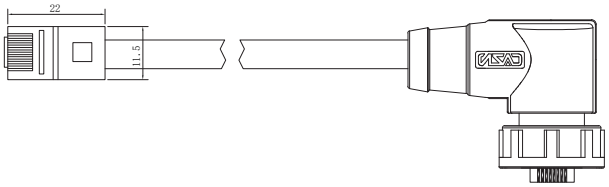
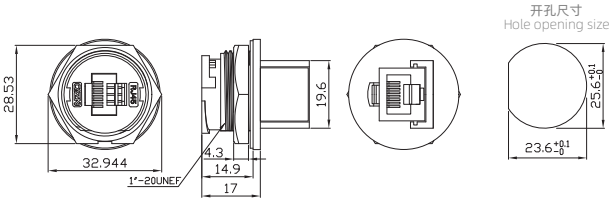
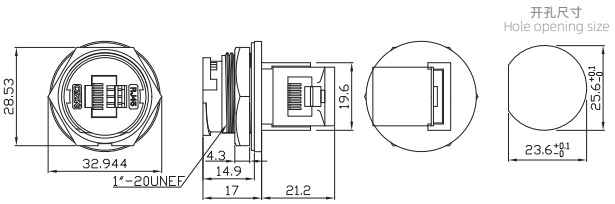
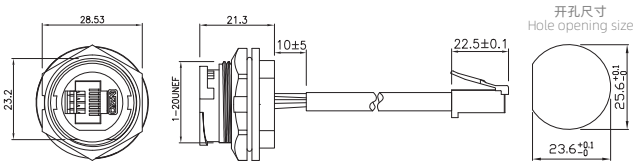
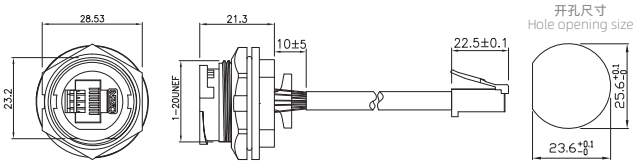
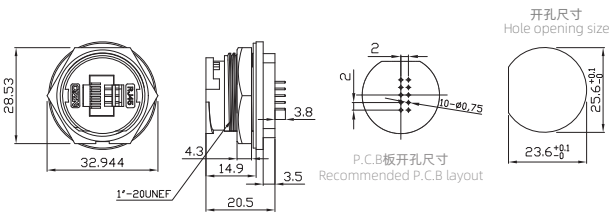
E-RJ45 系列连接器–螺纹式 series connector - Threaded

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	RJ45直式公塑胶插头(螺纹式) RJ45 straight male plastic plug (Threaded) E13T - M RJ - PRA 06 出线: 06:6mm 08:8mm	
	RJ45直式公塑胶插头(螺纹式) RJ45 straight male plastic plug (Threaded) E13T - M RJ - PRA P9 - NR 出线: P9: PG9 P13.5: PG13.5	
	RJ45直式公成型插头(螺纹式) RJ45 straight male overmolded plug (Threaded) E13T - M R5 - MCA / NCA - 1 PV - S RJ45: R5:5E R6:6A 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU S:屏蔽 空:非屏蔽	
	RJ45弯式公成型插头(螺纹式) RJ45 angled male overmolded plug (Threaded) E13T - M R5 - MCD / NCA - 1 PV - S RJ45: R5:5E R6:6A 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU S:屏蔽 空:非屏蔽	
	RJ45母/母板前插座(螺纹式) RJ45 female to female front mount receptacle (Threaded) E13T - F R6 - PRB RJ45: R5:5E R6:6A	
	RJ45母/母180°板后插座(螺纹式) RJ45 female to female(180°) back mount receptacle (Threaded) E13T - F R6 - PRF - 180 RJ45: R5:5E R6:6A	
	RJ45母/母90°板后插座(螺纹式) RJ45 female to female(90°) back mount receptacle (Threaded) E13T - F R6 - PRF - 90 RJ45: R5:5E R6:6A	

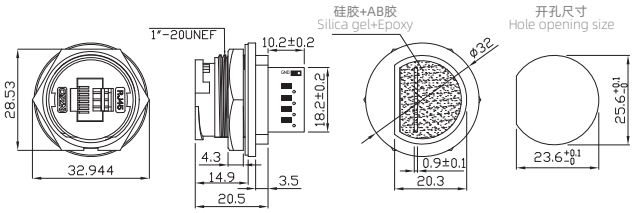
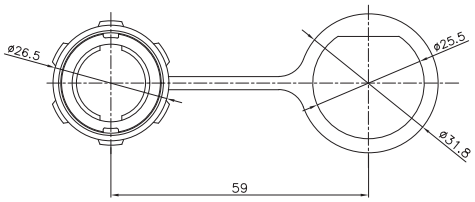
E-RJ45 系列连接器–螺纹式 series connector - Threaded

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	RJ45母焊线板后插座(灌胶)(螺纹式) RJ45 female solder board rear socket (Glued)(Threaded) E13T - F R5 - PWF / M R5- NCA - 1 PV - JD RJ45: R5:5E R6:6A 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU JD:接地 空:不接地	
	RJ45母焊线板后插座(无灌胶)(螺纹式) RJ45 female solder board rear socket (no glue)(Threaded) E13T - F R5 - PWF / M R5- NCA - 1 PV - JD - PCB RJ45: R5:5E R6:6A 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU JD:接地 空:不接地	
	RJ45母PCB式板后插座(螺纹式) RJ45 female back mount PCB receptacle (Threaded) E13T - F R6 - PPF RJ45: R5:5E R6:6A	
	RJ45母焊线板后插座(灌胶)(螺纹式)(外置焊接板) RJ45 female back mount receptacle with wire (Threaded)(External welding plate) E13T - F R6 - PWF RJ45: R5:5E R6:6A	
	RJ45母/母中继插座(螺纹式) RJ45 female to female relay receptacle (Threaded) E13T - F R6 - PRR RJ45: R5:5E R6:6A	
	RJ45母头板后插座 (非灌胶)(螺纹式)(网口180°转端子) RJ45 female back panel socket (non-potted) (threaded type) (Network port 180° rotating terminal) E13T - F R6 - PRF-TM-01 RJ45: R5:5E R6:6A	
	RJ45母头板后插座 (非灌胶)(螺纹式)(网口90°转针座) RJ45 female back panel socket (non-potted) (threaded type) (Network port 90° rotary pin socket) E13T - F R6 - PRF-TN RJ45: R5:5E R6:6A	

E-RJ45 系列连接器—卡扣型 series connector - bayonet

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E16RJ45直式公成型插头(卡扣式) E16-RJ45 straight male overmolded plug (Bayonet) E16B - M R5 - MCA / NCA - 1 PV - S RJ45: R5:5E R6:6A 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU S:屏蔽 空:非屏蔽	
	E16RJ45弯式公成型插头(卡扣式) E16-RJ45 angled male overmolded plug (Bayonet) E16B - M R5 - MCD / NCA - 1 PV - S RJ45: R5:5E R6:6A 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU S:屏蔽 空:非屏蔽	
	E16RJ45母/母180°板后插座(卡扣式) E16-RJ45 female to female(180°) back mount receptacle (Bayonet) E16B - F R6 - PRF - 180 RJ45: R5:5E R6:6A	
	E16RJ45母/母90°板后插座(卡扣式) E16-RJ45 female to female(90°) back mount receptacle (Bayonet) E16B - F R6 - PRF - 90 RJ45: R5:5E R6:6A	
	E16RJ45母焊线板后插座(灌胶)(卡扣式) E16-RJ45 female solder board rear socket (Glued)(Bayonet) E16B - F R5 - PWF / M R5 - NCA - 1 PV - JD RJ45: R5:5E R6:6A 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU JD:接地 空:不接地	
	E16RJ45母焊线板后插座(无灌胶)(卡扣式) E16-RJ45 female solder board rear socket (no glue)(Bayonet) E16B - F R5 - PWF / M R5 - NCA - 1 PV - JD - PCB RJ45: R5:5E R6:6A 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU JD:接地 空:不接地	
	E16RJ45母PCB式板后插座(卡扣式) E16-RJ45 female back mount PCB receptacle (Bayonet) E16B - F R6 - PPF RJ45: R5:5E R6:6A	

E-RJ45 系列连接器—卡扣型 series connector - bayonet

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E16RJ45母焊线板后插座(灌胶)(卡扣式)(外置焊接板) E16-RJ45 female back mount receptacle with wire (Bayonet)(External welding plate) E16B - F R6 - PWF RJ45: R5:5E R6:6A	
	E16防尘盖圆孔(卡扣式) E16 dust cover round hole (Bayonet) E16B-VP-ST 共用E16配件(Share E16 Accessories)	

防水USB Waterproof USB series

广泛应用于机械设备，户外设备，灯具，IOT物联设备等一些防水应用场景
Widely used in mechanical equipment, outdoor equipment, lamps, IOT equipment and other waterproof application scenarios

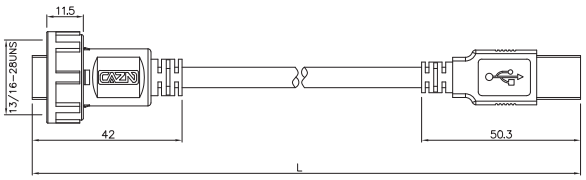
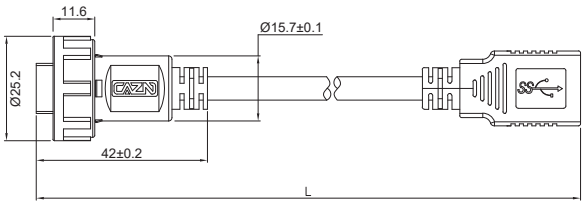
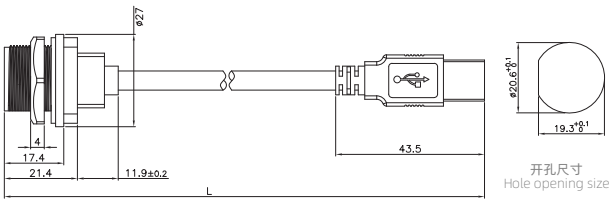
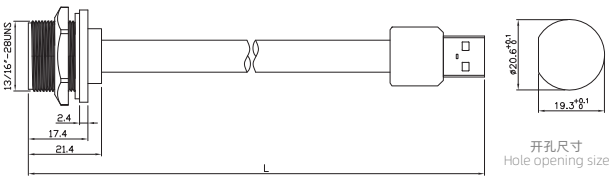
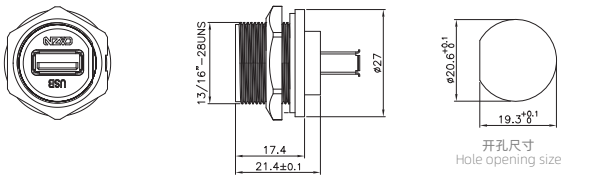
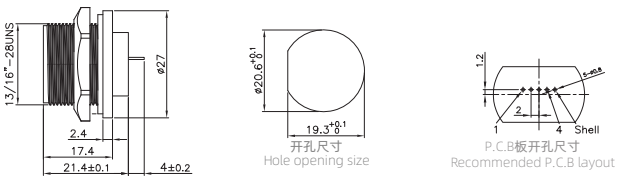
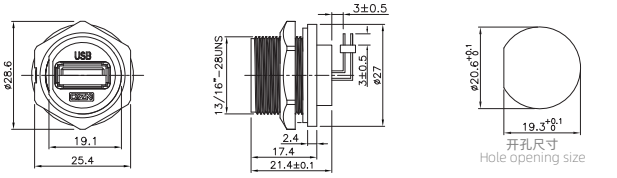
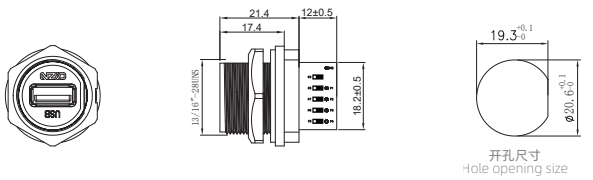
结构丰富，有线对线，板前安装，板后安装，PCB板式及带线各种规格
Rich structure, wire to wire, Front Mount, Back Mount, PCB type and various specifications with wire

产品规格：USB2.0、USB3.0、TYPE-C、MICRO USB
Product types: USB2.0, USB3.0, TYPE-C, MICRO USB

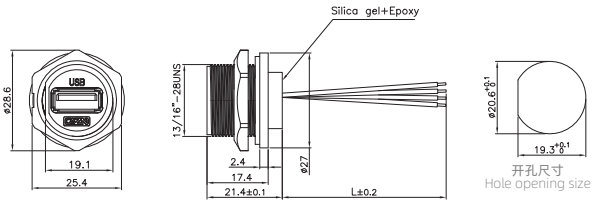
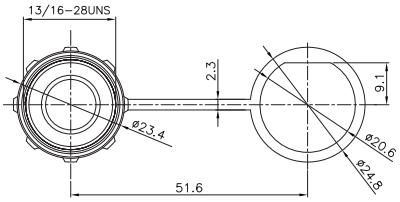
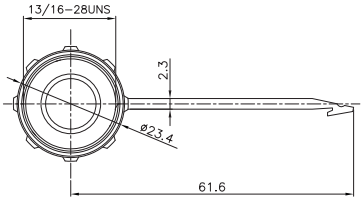


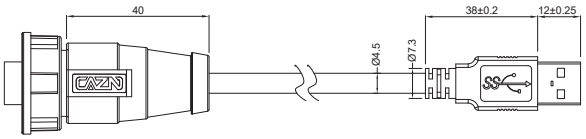
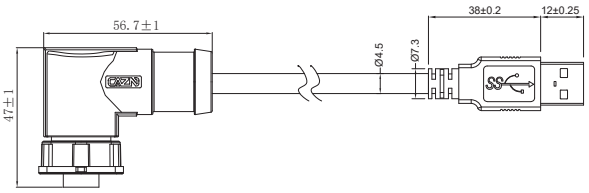
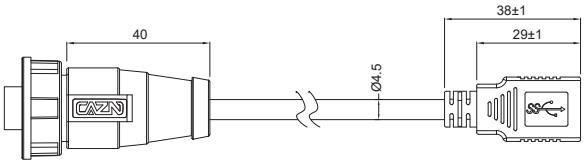
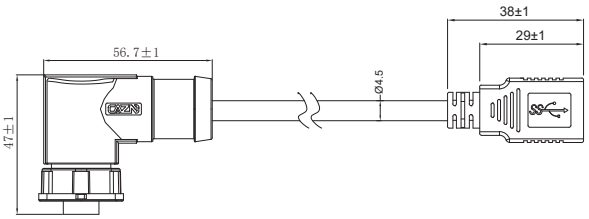
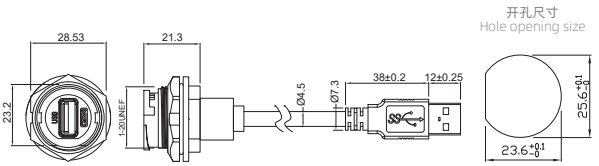
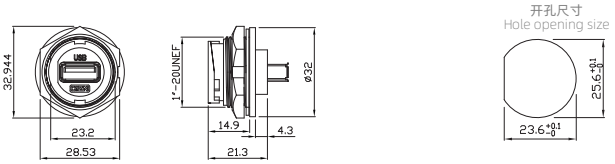
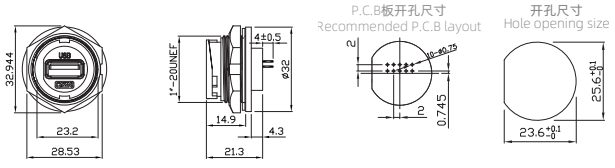
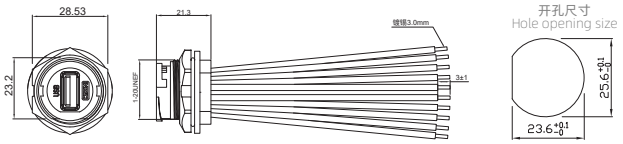
产品参数 Product parameters

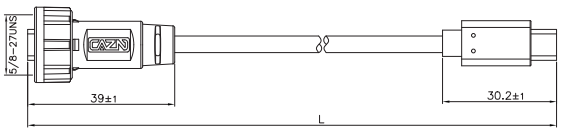
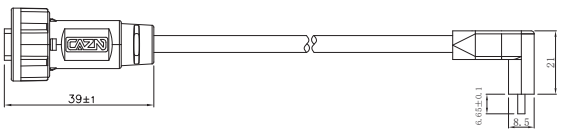
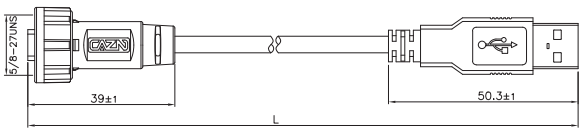
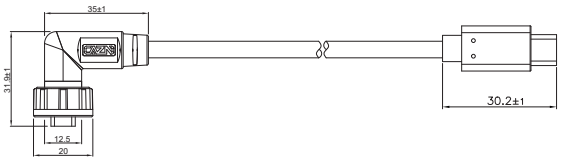
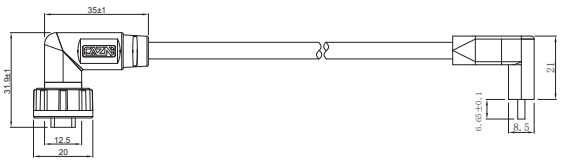
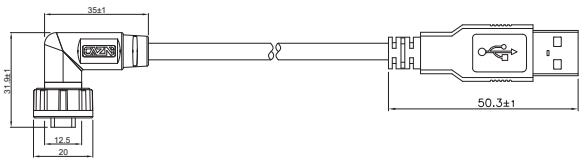
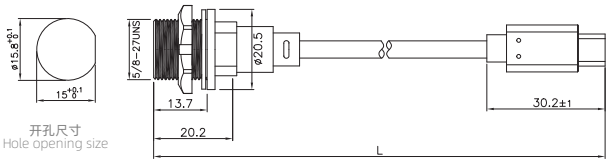
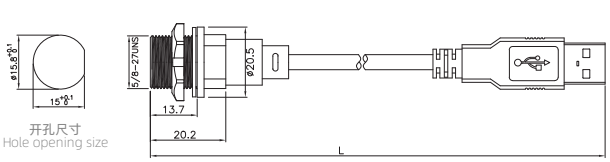
壳体材料 Shell material	热塑性塑料 PA66 Thermoplastic PA66	阻燃等级 Flame retardant grade	UL94-V0
插针材料 Contact material	黄铜/磷铜镀金 Brass / Phosphor bronze plated	接触电阻 Contact resistance	≤5mΩ
密封材料 Sealing material	环氧树脂/橡胶 Epoxy resin / Rubber	绝缘电阻 Insulation impedance	≥20MΩ
连接方式 Connection mode	螺纹式(T)/卡扣式(B) Thread(T) / Bayonet(B)	插拔次数 Durability	≥500次(Cycles)
接线工艺 Wiring process	焊接 Solder	适用温度 Applicable temperature	带线款(With wires)： -25℃ ~ +85℃ 组装款(Assemble)：-55℃ ~ +125℃
外被材料 External material	PVC	防水等级 Waterproof rating	IP67
额定电压 Rated voltage	30V	额定电流 Rated current	1.5A

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	**E13-USB 公/公成型直式插头**(螺纹式) E13-USB male to male overmolded with cable (Threaded) E13T - M U3 - MWA / NWA - 1 PV - S 规格: U2: USB 2.0 U3: USB 3.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	**E13-USB 公/母成型直式插头**(螺纹式) E13-USB female to male overmolded with cable (Threaded) E13T - M U3 - MWA / F U3 - NWA - 1 PV - S 规格: U2: USB 2.0 U3: USB 3.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	**E13-USB 母/公带线板后插座**(螺纹式) E13-USB female receptacle to male overmolded with cable (Threaded) E13T - F U2 - PWF / M U2 - NWA - 1 PV - S 规格: U2: USB 2.0 U3: USB 3.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	**E13-USB 母/公带线板后插座**(螺纹式, FFC软排线) E13-USB female receptacle to male overmolded with cable (Threaded, FFC flexible cable) E13T - F U3 - PRF / M U3 - NRA - 1 FFC - S 规格: U2: USB 2.0 U3: USB 3.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU FFC:软排线 空:非屏蔽 S:屏蔽	
	**E13-USB 母/母板后插座**(螺纹式) E13-USB female to female receptacle (Threaded) E13T - F U2 - PRF 规格: U2: USB 2.0 U3: USB 3.0	
	**E13-USB 母PCB板后插座**(螺纹式) E13-USB female back mount PCB receptacle (Threaded) E13T - F U3 - PPF 规格: U2: USB 2.0 U3: USB 3.0	
	**E13-USB 母PCB板后90°弯针插座**(螺纹式) E13-USB female PCB rear 90°-pin socket (Threaded) E13T - F U3 - PPF-90 规格: U2: USB 2.0 U3: USB 3.0	
	**E13-USB 母转焊盘板后插座**(螺纹式) E13-USB female to soldering plate rear socket (Threaded) E13T - F U3 - PWF	

E-USB 系列连接器–螺纹型 series connector - threaded

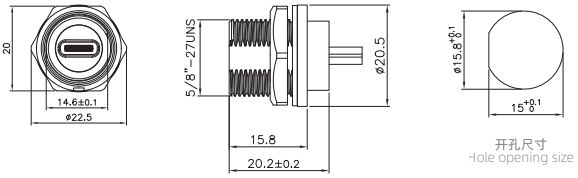
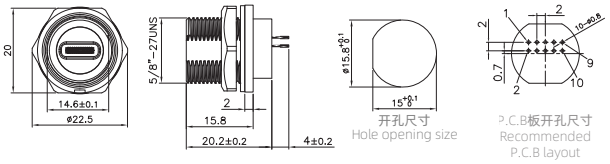
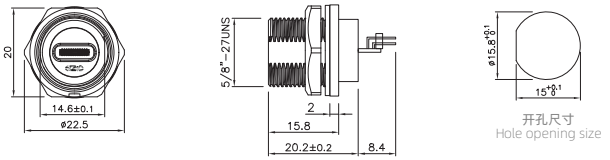
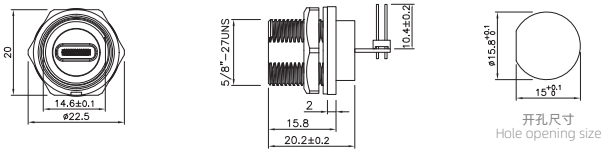
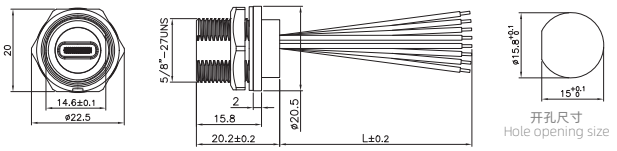
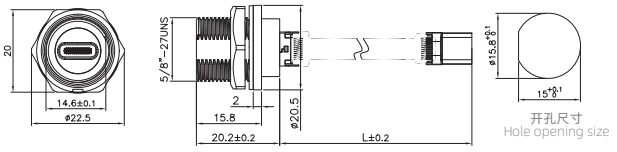
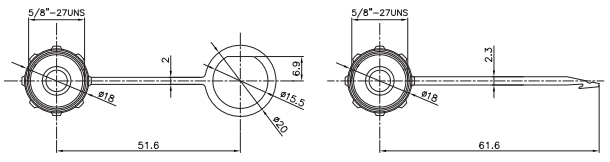
产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E13-USB 母带电子线板后插座(螺纹式) E13-USB female back mount receptacle with wire (Threaded) E13T - F U3 - PWF - 0.2 PV 规格: U2: USB 2.0 U3: USB 3.0 线长(M): 0.1:0.1M 0.2:0.2M 0.5:0.5M …… 线材: PV:PVC PU:PU	
	E13防尘盖圆孔(螺纹式) E13 dust cover circular hole (Threaded) E13T - VP - ST 尾扣(Tail buckle): ST:单切边连接带(Single cut edge connecting tape) PI:插入式连接带(Plug in connector tape) 共用E13配件(Share E13 Accessories)	
	E13防尘盖插销(螺纹式) E13 dust cover plug (Threaded) E13T - VP - PI 尾扣(Tail buckle): ST:单切边连接带(Single cut edge connecting tape) PI:插入式连接带(Plug in connector tape) 共用E13配件(Share E13 Accessories)	

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E16-USB 公/公成型直式插头(卡扣式) E16-USB male to male overmolded with cable (Bayonet) E16B - M U3 - MWA / NWA - 1 PV - S 规格: U2: USB 2.0 U3: USB 3.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E16-USB 公弯头/公直头成型式插头(卡扣式) E16-USB male elbow/male straight head molded plug (Bayonet) E16B - M U3 - MWD / NWA - 1 PV - S 规格: U2: USB 2.0 U3: USB 3.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E16-USB 公/母成型直式插头(卡扣式) E16-USB female to male overmolded with cable (Bayonet) E16B - M U3 - MWA / F U3 - NWA - 1 PV - S 规格: U2: USB 2.0 U3: USB 3.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E16-USB 公弯头/母直头成型式插头(卡扣式) E16-USB male elbow/female straight head molded plug (Bayonet) E16B - M U3 - MWD / F U3 - NWA - 1 PV - S 规格: U2: USB 2.0 U3: USB 3.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E16-USB 母/公带线板后插座(卡扣式) E16-USB female receptacle to male overmolded with cable (Bayonet) E16B - F U3 - PWF / M U3 - NWA - 1 PV - S 规格: U2: USB 2.0 U3: USB 3.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E16-USB 母/母板后插座(卡扣式) E16-USB female to female receptacle (Bayonet) E16B - F U3 - PRF 规格: U2: USB 2.0 U3: USB 3.0	
	E16-USB 母PCB板后插座(卡扣式) E16-USB female back mount PCB receptacle (Bayonet) E16B - F U3 - PPF 规格: U2: USB 2.0 U3: USB 3.0	
	E16-USB 母带电子线板后插座(卡扣式) E16-USB female back mount receptacle with wire (Bayonet) E16B - F U3 - PWF - 0.2 PV 规格: U2: USB 2.0 U3: USB 3.0 线长(M): 0.1:0.1M 0.2:0.2M 0.5:0.5M ..... 线材: PV:PVC PU:PU	

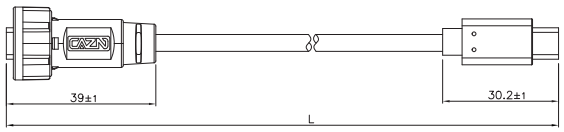
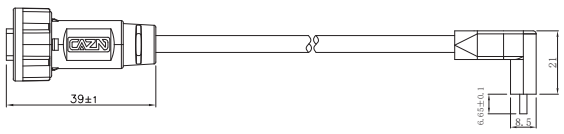
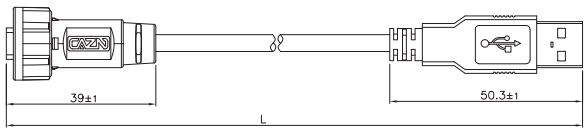
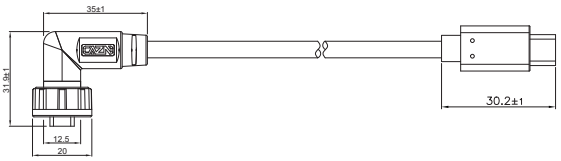
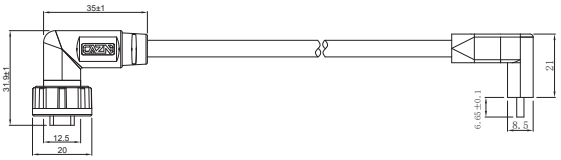
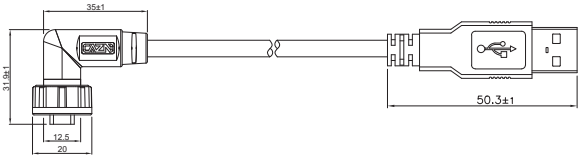
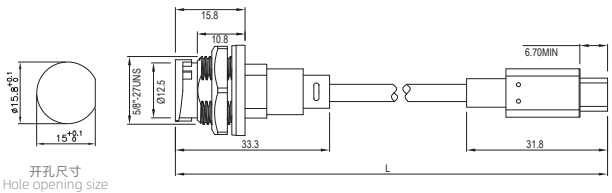
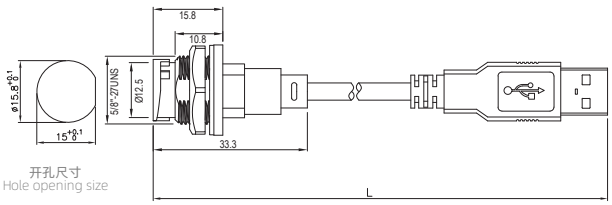
产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E10-TYPE-C公/公成型直式插头(螺纹式) E10-TYPE-C male to male overmolded cable (Threaded) E10T - M T3 - MWA / NWA - 1 PV - S 标准: T2 :USB 2.0 T3 :USB 3.0 T3.1:USB 3.1 T4 :USB 4.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E10-TYPE-C公直式/公弯式成型插头(螺纹式) E10-TYPE-C male straight to male curved molded plug (Threaded) E10T - M T3 - MWA / NWD - 1 PV - S 标准: T2 :USB 2.0 T3 :USB 3.0 T3.1:USB 3.1 T4 :USB 4.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E10-TYPE-C公/USB公成型直式插头(螺纹式) E10-TYPE-C male to USB male overmolded cable (Threaded) E10T - M T3 - MWA / M U3 - NWA - 1 PV - S 标准: T2 :USB 2.0 T3 :USB 3.0 标准: U2: USB 2.0 U3: USB 3.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E10-TYPE-C公弯式/公直式成型插头(螺纹式) E10-TYPE-C male curved to male straight molded plug (Threaded) E10T - M T3 - MWD / NWA - 1 PV - S 标准: T2 :USB 2.0 T3 :USB 3.0 T3.1:USB 3.1 T4 :USB 4.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E10-TYPE-C公弯式/公弯式成型插头(螺纹式) E10-TYPE-C male curved to male curved molded plug (Threaded) E10T - M T3 - MWD / NWD - 1 PV - S 标准: T2 :USB 2.0 T3 :USB 3.0 T3.1:USB 3.1 T4 :USB 4.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E10-TYPE-C公弯式/USB公直式成型插头(螺纹式) E10-TYPE-C male angled to USB male straight molded plug (Threaded) E10T - M T3 - MWD / M U3 - NWA - 1 PV - S 标准: T2 :USB 2.0 T3 :USB 3.0 标准: U2: USB 2.0 U3: USB 3.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E10-TYPE-C母/公带线板后插座(螺纹式) E10-TYPE-C male to female back mount receptacle overmolded cable (Threaded) E10T - F T3 - PWF / M T3 - NWA - 1 PV - S 标准: T2 :USB 2.0 T3 :USB 3.0 T3.1:USB 3.1 T4 :USB 4.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E10-TYPE-C母/USB公带线板后插座(螺纹式) E10-TYPE-C female back mount receptacle to USB male overmolded cable (Threaded) E10T - F T3 - PWF / M U3 - NWA - 1 PV - S 标准: T2 :USB 2.0 T3 :USB 3.0 标准: U2: USB 2.0 U3: USB 3.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	

Type-c

E-USB 系列连接器–螺纹型 series connector - threaded

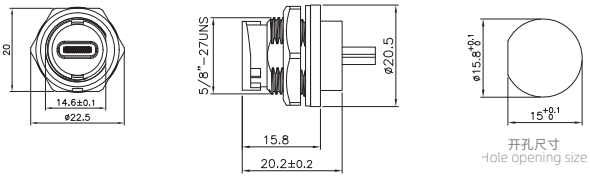
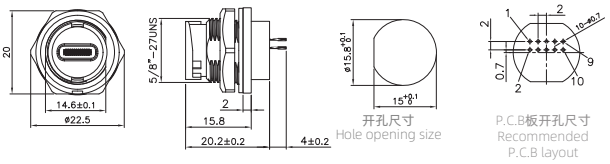
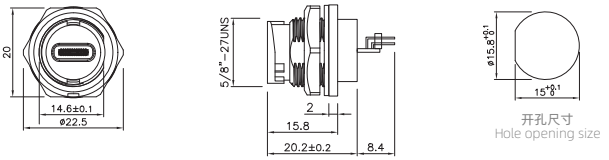
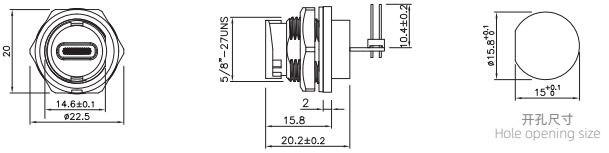
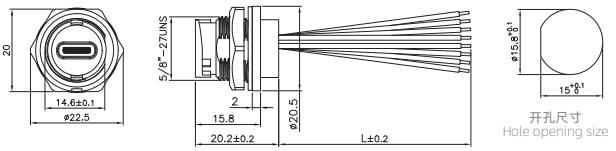
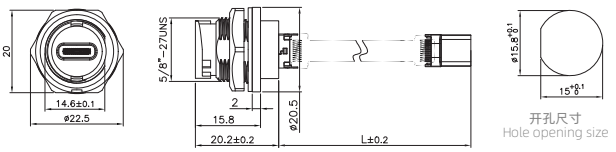
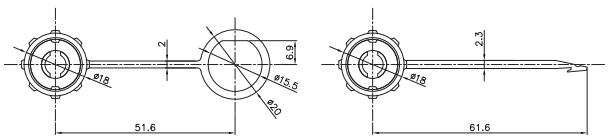
产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E10-TYPE-C母/母板后插座(螺纹式) E10-TYPE-C female to female back mount receptacle (Threaded) E10T - F T3.1 - PRF 标准: T2 :USB 2.0 T3 :USB 3.0 T3.1:USB 3.1 T4 :USB 4.0	
	E10-TYPE-C母PCB板后插座(螺纹式) E10-TYPE-C female back mount PCB receptacle (Threaded) E10T - F T3 - PPF 标准: T2 :USB 2.0 T3 :USB 3.0	
	E10-TYPE-C母PCB板后排针插座(螺纹式) E10-TYPE-C female PCB rear pin socket (Threaded) E10T - F T3.1 - PPF	
	E10-TYPE-C母PCB板后90°排针插座(螺纹式) E10-TYPE E-C female PCB rear 90° pin socket (Threaded) E10T - F T3 - PPF-90 标准: T2 :USB 2.0 T3 :USB 3.0	
	E10-TYPE-C母带电子线板后插座(螺纹式) E10-TYPE-C female back mount receptacle with wire (Threaded) E10T - F T3 - PWF - 0.2 PV 规格: T2: USB 2.0 T3: USB 3.0 线长(M): 0.1:0.1M 0.2:0.2M 0.5:0.5M ..... 线材: PV:PVC PU:PU	
	E10-TYPE-C 母/公FPC排线3.1传输速度(螺纹式) E10-TYPE-C female/male FPC flat cable 3.1 speed (Threaded) E10T - F T3.1 - PWF / M T3.1 - NWA - 0.1 FPC 标准: T2 :USB 2.0 T3 :USB 3.0 T3.1:USB 3.1 T4 :USB 4.0 线长(M): 0.1:0.1M 0.2:0.2M 0.3:0.3M	
	E10防尘盖(螺纹式) E10 dust cover (Threaded) E10T - VP - ST 尾扣(Tail buckle): ST:单切边连接带(Single cut edge connecting tape) PI:插入式连接带(Plug in connector tape) 共用E10配件(Share E10 Accessories)	

Type-c

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E10-TYPE-C公/公成型直式插头(卡扣式) E10-TYPE-C male to male overmolded cable (Bayonet) E10B - M T3 - MWA / NWA - 1 PV - S 标准: T2 :USB 2.0 T3 :USB 3.0 T3.1:USB 3.1 T4 :USB 4.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E10-TYPE-C公直式/公弯式成型插头(卡扣式) E10-TYPE-C male straight to male curved molded plug (Bayonet) E10B - M T3 - MWA / NWD - 1 PV - S 标准: T2 :USB 2.0 T3 :USB 3.0 T3.1:USB 3.1 T4 :USB 4.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E10-TYPE-C公/USB公成型直式插头(卡扣式) E10-TYPE-C male to USB male overmolded cable (Bayonet) E10B - M T3 - MWA / M U3 - NWA - 1 PV - S 标准: T2 :USB 2.0 T3 :USB 3.0 标准: U2: USB 2.0 U3: USB 3.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E10-TYPE-C公弯式/公直式成型插头(卡扣式) E10-TYPE-C male curved to male straight molded plug (Bayonet) E10B - M T3 - MWD / NWA - 1 PV - S 标准: T2 :USB 2.0 T3 :USB 3.0 T3.1:USB 3.1 T4 :USB 4.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E10-TYPE-C公弯式/公弯式成型插头(卡扣式) E10-TYPE-C male curved to male curved molded plug (Bayonet) E10B - M T3 - MWD / NWD - 1 PV - S 标准: T2 :USB 2.0 T3 :USB 3.0 T3.1:USB 3.1 T4 :USB 4.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E10-TYPE-C公弯式/USB公直式成型插头(卡扣式) E10-TYPE-C male angled to USB male straight molded plug (Bayonet) E10B - M T3 - MWD / M U3 - NWA - 1 PV - S 标准: T2 :USB 2.0 T3 :USB 3.0 标准: U2: USB 2.0 U3: USB 3.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E10-TYPE-C母/公带线板后插座(卡扣式) E10-TYPE-C male to female back mount receptacle overmolded cable (Bayonet) E10B - F T3 - PWF / M T3 - NWA - 1 PV - S 标准: T2 :USB 2.0 T3 :USB 3.0 T3.1:USB 3.1 T4 :USB 4.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E10-TYPE-C母/USB公带线板后插座(卡扣式) E10-TYPE-C female back mount receptacle to USB male overmolded cable (Bayonet) E10B - F T3 - PWF / M U3 - NWA - 1 PV - S 标准: T2 :USB 2.0 T3 :USB 3.0 标准: U2: USB 2.0 U3: USB 3.0 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	

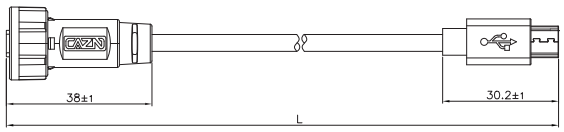
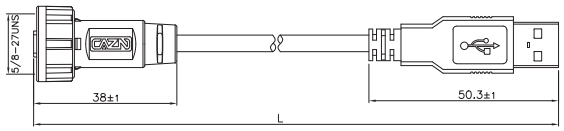
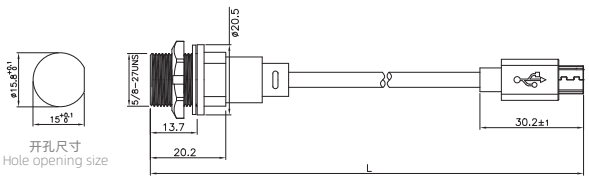
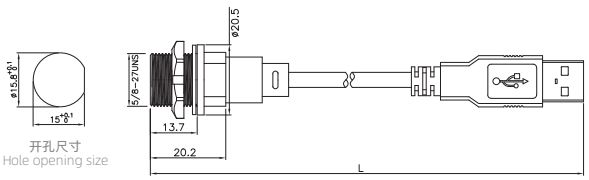
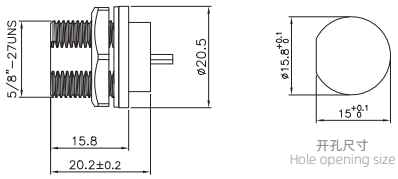
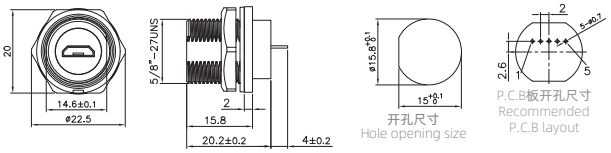
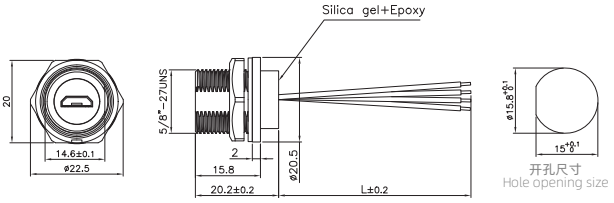
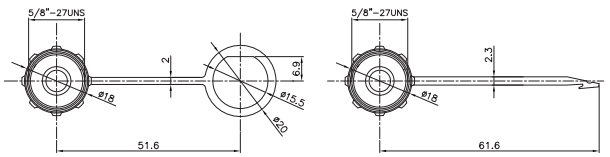
Type-c

E-USB 系列连接器—卡扣型 series connector - bayonet

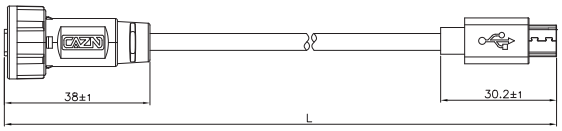
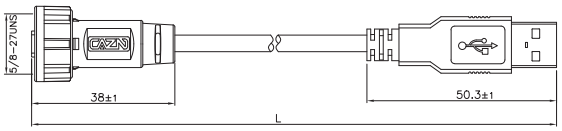
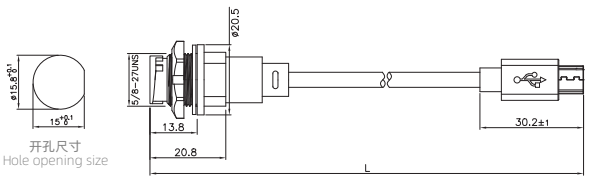
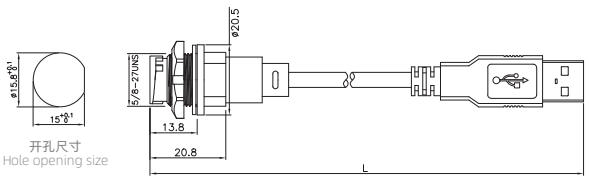
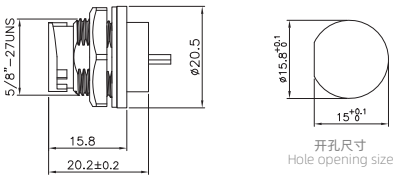
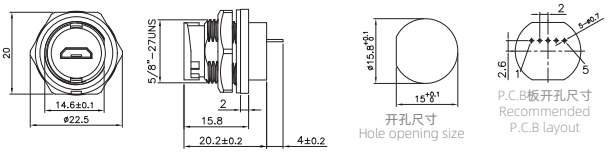
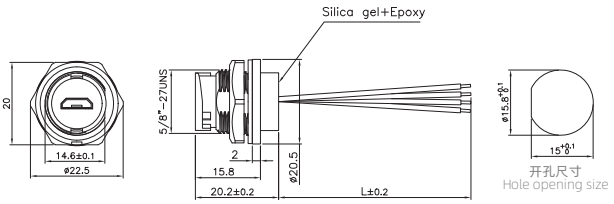
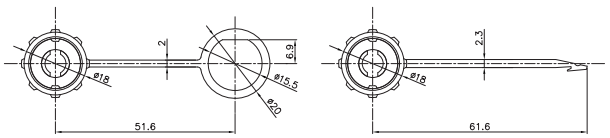
产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E10-TYPE-C母/母板后插座(卡扣式) E10-TYPE-C female to female back mount receptacle (Bayonet) E10B - F T3 - PRF 标准: T2 :USB 2.0 T3 :USB 3.0 T3.1:USB 3.1 T4 :USB 4.0	
	E10-TYPE-C母PCB板后插座(卡扣式) E10-TYPE-C female back mount PCB receptacle (Bayonet) E10B - F T3 - PPF 标准: T2 :USB 2.0 T3 :USB 3.0	
	E10-TYPE-C母PCB板后排针插座(卡扣式) E10-TYPE-C female PCB rear pin socket (Bayonet) E10B - F T3.1 - PPF	
	E10-TYPE-C母PCB板后90°排针插座(卡扣式) E10-TYPE E-C female PCB rear 90° pin socket (Bayonet) E10B - F T3 - PPF-90 标准: T2 :USB 2.0 T3 :USB 3.0	
	E10-TYPE-C母带电子线板后插座(卡扣式) E10-TYPE-C female back mount receptacle with wire (Bayonet) E10B - F T3 - PWF - 0.2 PV 规格: T2: USB 2.0 T3: USB 3.0 线长(M): 0.1:0.1M 0.2:0.2M 0.5:0.5M ..... 线材: PV:PVC PU:PU	
	E10-TYPE-C 母/公FPC排线3.1传输速度(卡扣式) E10-TYPE-C female/male FPC flat cable 3.1 speed (Bayonet) E10B - F T3.1 - PWF / M T3.1 - NWA - 0.1 FPC 标准: T2 :USB 2.0 T3 :USB 3.0 T3.1:USB 3.1 T4 :USB 4.0 线长(M): 0.1:0.1M 0.2:0.2M 0.3:0.3M	
	E10防尘盖(卡扣式) E10 dust cover (Bayonet) E10B - VP - ST 尾扣(Tail buckle): ST:单切边连接带(Single cut edge connecting tape) PI:插入式连接带(Plug in connector tape) 共用E10配件(Share E10 Accessories)	

Type-c

E-USB 系列连接器–螺纹型 series connector - threaded

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E10-MICRO-USB公/公成型直式插头(螺纹式) E10-MICRO-USB male to male overmolded cable (Threaded) E10T - M UM - MWA / NWA - 1 PV - S 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E10-MICRO-USB公/USB2.0公成型直式插头(螺纹式) E10-MICRO-USB male to USB male overmolded cable (Threaded) E10T - M UM - MWA / M U2 - NWA - 1 PV - S 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E10-MICRO-USB母/公带线板后插座(螺纹式) E10-MICRO-USB male to female back mount receptacle overmolded cable (Threaded) E10T - F UM - PWF / M UM - NWA - 1 PV - S 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E10-MICRO-USB母/USB2.0公带线板后插座(螺纹式) E10-MICRO-USB female back mount receptacle to USB 2.0 male overmolded cable (Threaded) E10T - F UM - PWF / M U2 - NWA - 1 PV - S 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E10-MICRO-USB母/母板后插座(螺纹式) E10-MICRO-USB female to female back mount receptacle (Threaded) E10T - F UM - PRF	
	E10-MICRO-USB母PCB板后插座(螺纹式) E10-MICRO-USB female back mount PCB receptacle (Threaded) E10T - F UM - PPF	
	E10-MICRO-USB母带电子线板后插座(螺纹式) E10-MICRO-USB female back mount receptacle with wire (Threaded) E10T - F UM - PWF - 1 PV 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	E10防尘盖(螺纹式) E10 dust cover (Threaded) E10T - VP - ST 尾扣(Tail buckle): ST:单切边连接带(Single cut edge connecting tape) PI:插入式连接带(Plug in connector tape) 共用E10配件(Share E10 Accessories)	

Micro USB

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E10-MICRO-USB公/公成型直式插头(卡扣式) E10-MICRO-USB male to male overmolded cable (Bayonet) E10B - M UM - MWA / NWA - 1 PV - S 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E10-MICRO-USB公/USB2.0公成型直式插头(卡扣式) E10-MICRO-USB male to USB 2.0 male overmolded cable (Bayonet) E10B - M UM - MWA / M U2 - NWA - 1 PV - S 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E10-MICRO-USB母/公带线板后插座(卡扣式) E10-MICRO-USB male to female back mount receptacle overmolded cable (Bayonet) E10B - F UM - PWF / M UM - NWA - 1 PV - S 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E10-MICRO-USB母/USB2.0公带线板后插座(卡扣式) E10-MICRO-USB female back mount receptacle to USB 2.0 male overmolded cable (Bayonet) E10B - F UM - PWF / M U2 - NWA - 1 PV - S 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	E10-MICRO-USB母/母板后插座(卡扣式) E10-MICRO-USB female to female back mount receptacle (Bayonet) E10B - F UM - PRF	
	E10-MICRO-USB母PCB板后插座(卡扣式) E10-MICRO-USB female back mount PCB receptacle (Bayonet) E10B - F UM - PPF	
	E10-MICRO-USB母带电子线板后插座(卡扣式) E10-MICRO-USB female back mount receptacle with wire (Bayonet) E10B - F UM - PWF - 1 PV 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	E10防尘盖(卡扣式) E10 dust cover (Bayonet) E10B - VP - ST 尾扣(Tail buckle): ST:单切边连接带(Single cut edge connecting tape) PI:插入式连接带(Plug in connector tape) 共用E10配件(Share E10 Accessories)	

Micro USB

防水FDDI Waterproof FDDI series

产品广泛应用于LED屏，照明，视听设备，医疗设备，检测和测量设备，通讯行业，电信设备等多个领域，
The products are widely used in LED screen, lighting, audio-visual equipment, medical equipment, detection and measurement equipment, communication industry, telecommunications equipment and other fields.

并能满足各种定制化需求。
And it can meet a varity of customized requirements.

高性能塑胶外壳，稳定的电气性能，高强的抗耐压，抗高温，抗爆，抗腐蚀性。
High performance plastic casing, stable electrical performance, high strength pressure resistance, high temperature resistance, anti - explosion, corrosion resistance and effectively respond to environment changes.

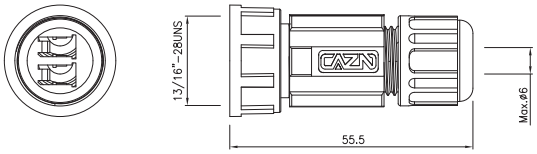
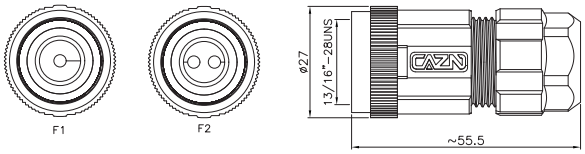
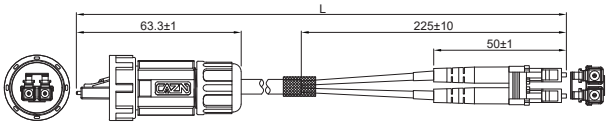
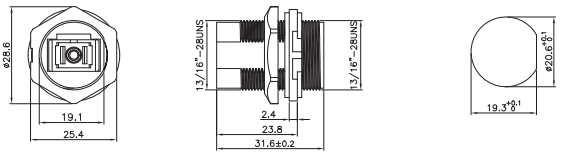
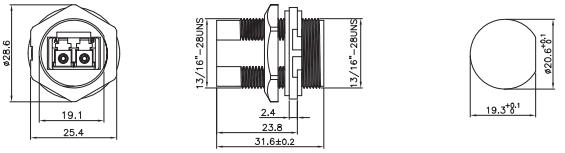
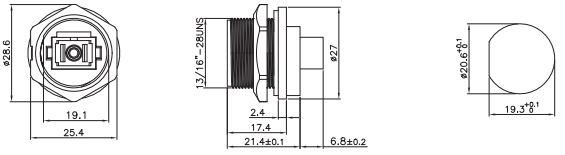
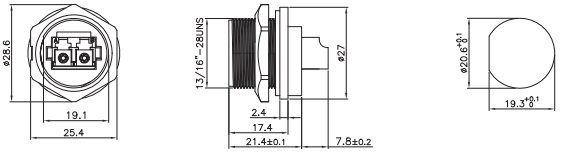
人体工程学结构工艺设计，为严苛的测试环境打造而成。
Ergonomic structure and process design are made for the harsh test environment.

弹簧按扣式设计，紧锁对接，安全牢固。
Spring Snap button design, locked, safe and firm.



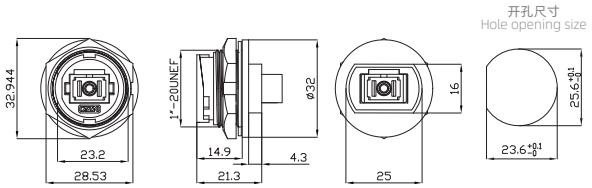
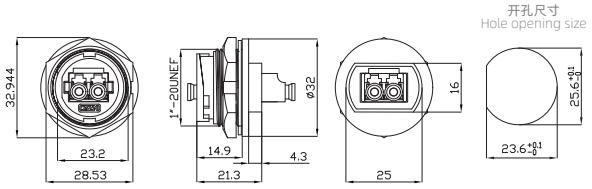
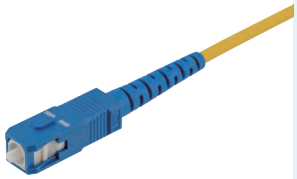
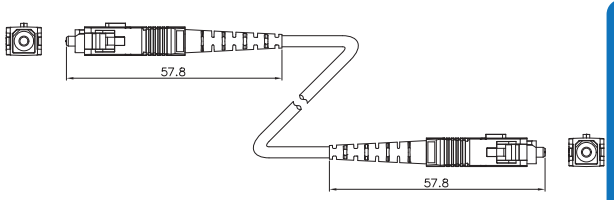
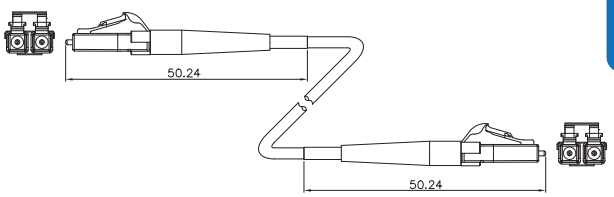
产品参数 Product parameters

壳体材料 Shell material	高性能工程塑料/金属+塑胶 High performance engineering plastics / Metal+Plastic	插入损耗 Insertion loss	≤0.2dB
阻燃等级 Flame retardant grade	UL94-V0	回波损耗 Return Loss	≥50dB
连接方式 Connection mode	螺纹式(T)/卡扣式(B) Thread(T) / Bayonet(B)	适用温度 Applicable temperature	带线款(With wires)： -25℃ ~ +85℃ 组装款(Assemble)：-55℃ ~ +125℃
防水等级 Waterproof rating	IP67	传输速率 Baud rate	≥480Gbps

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E13-FDDI 单模双芯直式组装插头(螺纹式) E13-FDDI single-mode double-core straight assembly plug (Threaded) E13T - M F2 - PRA 06	
	E13-FDDI 单模塑胶插头(螺纹式) E13-FDDI single-mode plastic plug (Thredaded) E13T - M F1 - PRA - NR 尾扣(Tail buckle): F1:FDDI单模单芯(single-mode single core) F2:FDDI单模双芯(single-mode dual core)	
	E13-FDDI 直式组装插头/LC光纤线 (螺纹式)(单模双芯) E13-FDDI straight assembly plug / LC fiber optic cable (double-core)(threaded) E13T - M F2 - PRA / NRA - 1 PV 线长(M): 1: 1米 2: 2米 3: 3米 线材: PV:PVC PU:PU	
	E13-FDDI 单模单芯板前安装插座(螺纹式) E13-FDDI single-mode single-core front mount receptacle (Threaded) E13T - F F1 - PRB	
	E13-FDDI 单模双芯板前安装插座(螺纹式) E13-FDDI single-mode double-core front mount receptacle (Threaded) E13T - F F2 - PRB	
	E13-FDDI 单模单芯板后安装插座(螺纹式) E13-FDDI single-mode single-core back mount receptacle (Threaded) E13T - F F1 - PRF	
	E13-FDDI 单模双芯板后安装插座(螺纹式) E13-FDDI single-mode double-core back mount receptacle (Threaded) E13T - F F2 - PRF	

螺纹 Threaded

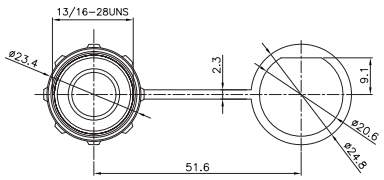
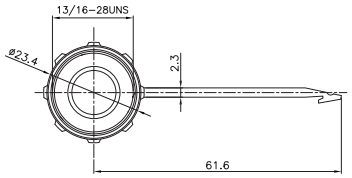
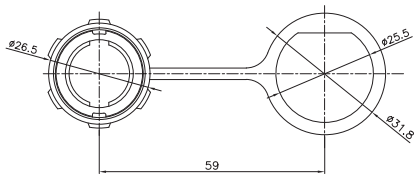
E-FDDI 系列连接器 series connector

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E16-FDDI 单模单芯板后安装插座(卡扣式) E16-FDDI single-mode single-core back mount receptacle (Bayonet) E16B - F F1 - PRF	
	E16-FDDI 单模双芯板后安装插座(卡扣式) E16-FDDI single-mode double-core back mount receptacle (Bayonet) E16B - F F2 - PRF	
	SC 单模单芯光纤线 SC single-mode single-core optical fiber cable FDDI - SC F1 - NRA / NRA - 1 PV 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	LC 单模双芯光纤线 LC single-mode double-core optical fiber cable FDDI - LC F2 - NRA / NRA - 1 PV 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	

卡扣 Bayonet

光纤 Fibre-optical

FDDI·配件 Accessories

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E13 防尘盖圆孔(螺纹式) E13 dust cover round hole (Threaded) E13T-VP-ST 共用E13配件(Share E13 Accessories)	
	E13 防尘盖插销(螺纹式) E13 dust cover latch (Threaded) E13T-VP-PI 共用E13配件(Share E13 Accessories)	
	E16 防尘盖圆孔(卡扣式) E16 dust cover circular hole (Bayonet) E16B-VP-ST 共用E16配件(Share E16 Accessories)	

防水HDMI Waterproof HDMI series

产品规格：13/16"-28UNS 美标牙规
Specifications: 13/16"-28UNS U.S. standard thread

广泛应用于户外监控，高清显示，工业自动化等。
Widely used in outdoor monitoring, high-definition display, industrial automation, etc.

产品标准：HDMI 1.4A, HDMI1.4B, HDMI2.0, HDMI2.1最高支持4K显示
Product standards: HDMI 1.4A, HDMI 1.4B, HDMI 2.0, HDMI 2.1 support up to 4K display

插头：HDMI 19P, 公头&母头, 焊线式&插板式
Plug: HDMI 19P, male&female, wire bonding&plug-in type

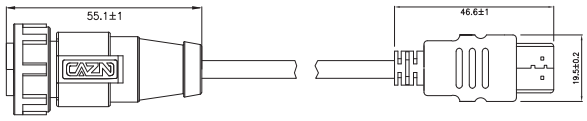
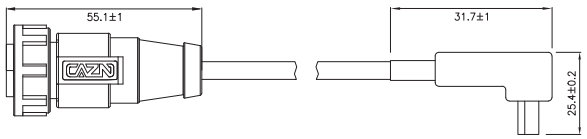
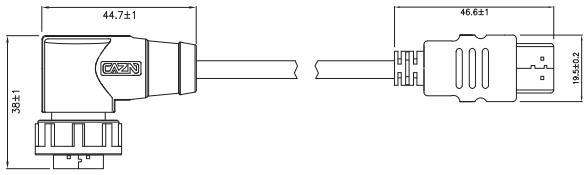
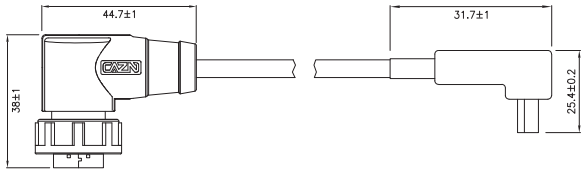
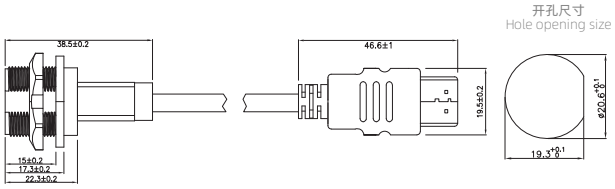
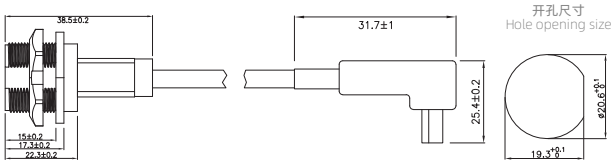
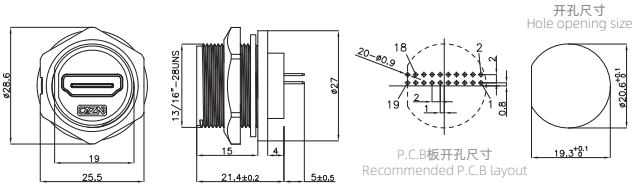
插座：板前安装，板后安装，PCB板多种安装方式
Socket: Front Mount, Back Mount, PCB Mount



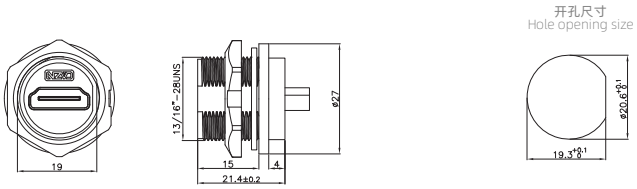
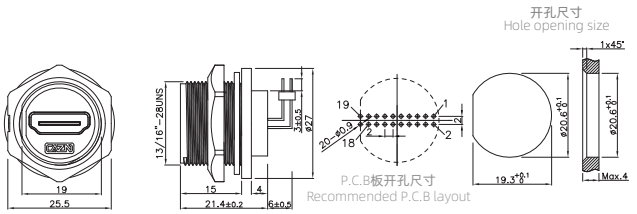
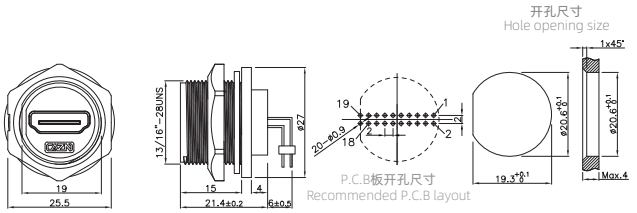
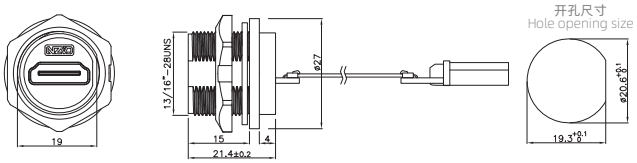
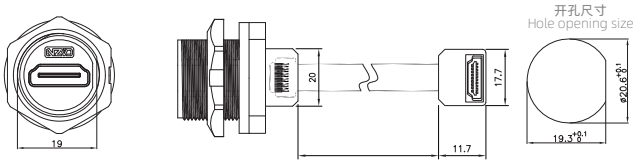
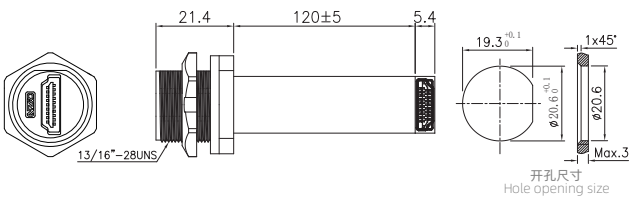
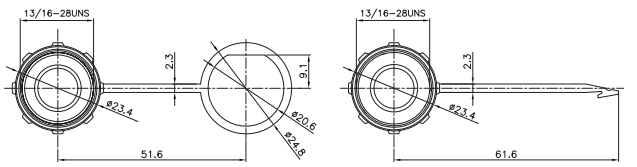
产品参数 Product parameters

壳体材料 Shell material	热塑性塑料 PA66 Thermoplastic PA66	阻燃等级 Flame retardant grade	UL94-V0
插针材料 Contact material	黄铜/磷铜镀金 Brass / Phosphor bronze plated	接触电阻 Contact resistance	≤5mΩ
密封材料 Sealing material	环氧树脂/橡胶 Epoxy resin / Rubber	绝缘电阻 Insulation impedance	≥20MΩ
连接方式 Connection mode	螺纹式(T)/卡扣式(B) Thread(T) / Bayonet(B)	插拔次数 Durability	≥500次(Cycles)
接线工艺 Wiring process	焊接/插板 Solder / PCB	适用温度 Applicable temperature	带线款(With wires)：-25℃ ~ +85℃ 组装款(Assemble)：-55℃ ~ +125℃
外被材料 External material	PVC	防水等级 Waterproof rating	IP67
额定电压 Rated voltage	30V	额定电流 Rated current	0.5A

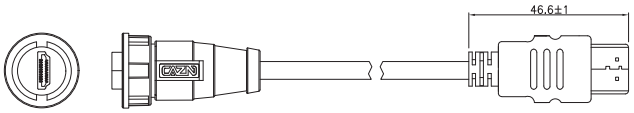
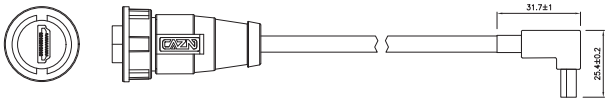
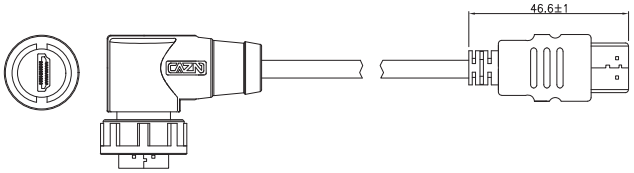
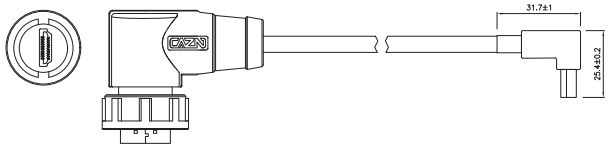
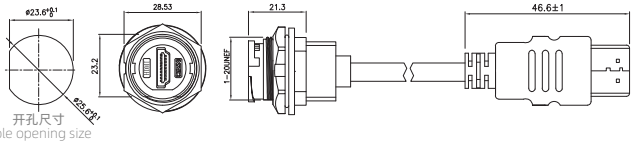
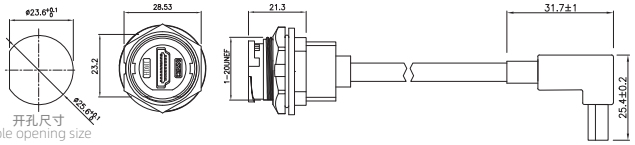
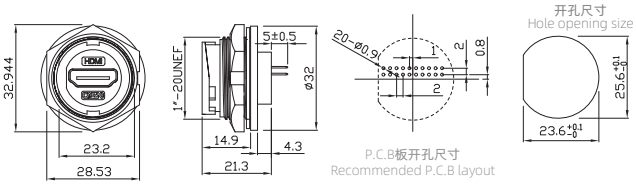
E13-HDMI 系列连接器—螺纹型 series connector - threaded

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E13-HDMI 公直头/公直式带线插头(螺纹式) E13-HDMI str. male to str. male cable plug (Threaded) E13T - M H4 - MWA / NWA - 1 PV - S 规格: H2:HDMI 2K H4:HDMI 4K H8:HDMI 8K 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU PE:PE 空:非屏蔽 S:屏蔽	
	E13-HDMI 公直头/公弯式带线插头(螺纹式) E13-HDMI str. male to R/A male cable plug (Threaded) E13T - M H4 - MWA / NWD - 1 PV - S 规格: H2:HDMI 2K H4:HDMI 4K H8:HDMI 8K 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU PE:PE 空:非屏蔽 S:屏蔽	
	E13-HDMI 公弯头/公直式带线插头(螺纹式) E13-HDMI R/A male to str. male cable plug (Threaded) E13T - M H4 - MWD / NWA - 1 PV - S 规格: H2:HDMI 2K H4:HDMI 4K H8:HDMI 8K 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU PE:PE 空:非屏蔽 S:屏蔽	
	E13-HDMI 公弯头/公弯式带线插头(螺纹式) E13-HDMI R/A male to R/A male cable plug (Threaded) E13T - M H4 - MWD / NWD - 1 PV - S 规格: H2:HDMI 2K H4:HDMI 4K H8:HDMI 8K 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU PE:PE 空:非屏蔽 S:屏蔽	
	E13-HDMI 母板后/公直式带线插座(螺纹式) E13-HDMI female back panel mount receptacle to str. male cable (Threaded) E13T - F H4 - PWF / M H4 - NWA - 1 PV - S 规格: H2:HDMI 2K H4:HDMI 4K H8:HDMI 8K 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU PE:PE 空:非屏蔽 S:屏蔽	
	E13-HDMI 母板后/公弯式带线插座(螺纹式) E13-HDMI female back panel mount receptacle to R/A male cable (Threaded) E13T - F H4 - PWF / M H4 - NWD - 1 PV - S 规格: H2:HDMI 2K H4:HDMI 4K H8:HDMI 8K 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU PE:PE 空:非屏蔽 S:屏蔽	
	E13-HDMI 母板后PCB插座(螺纹式) E13-HDMI female back mount PCB receptacle (Threaded) E13T - F H4 - PPF 规格: H2:HDMI 2K H4:HDMI 4K H8:HDMI 8K	

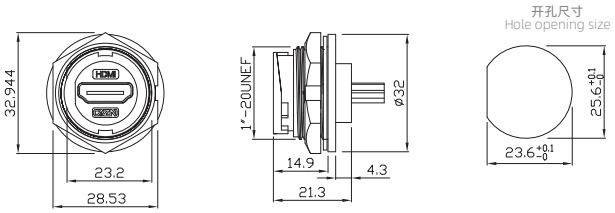
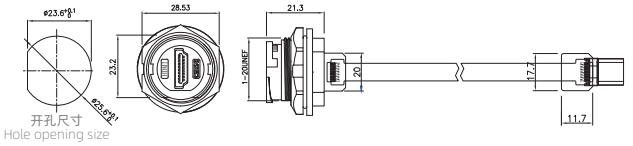
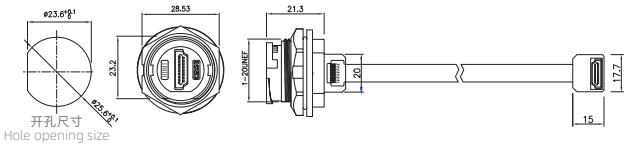
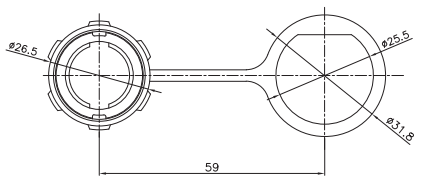
E13-HDMI 系列连接器—螺纹型 series connector - threaded

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	**E13-HDMI 母/母板后插座** (螺纹式) E13-HDMI female to female back mount receptacle (Threaded) E13T - F H4 - PRF 规格: H2:HDMI 2K H4:HDMI 4K H8:HDMI 8K	
	**E13-HDMI 母板后安装弯针插座**(螺纹式)(上弯) E13-HDMI female back mount angled PCB receptacle (Threaded)(Up bend) E13T - F H4 - PPL-F-1 规格: H2:HDMI 2K H4:HDMI 4K H8:HDMI 8K	
	**E13-HDMI 母板后安装弯针插座**(螺纹式)(下弯) E13-HDMI female back mount angled PCB receptacle (Threaded)(Bend down) E13T - F H2 - PPL-F 规格: H2:HDMI 2K H4:HDMI 4K H8:HDMI 8K	
	**E13-HDMI 母板后FFC插座**(螺纹式) E13-HDMI female back mount to str. HDMI male FFC type (Threaded) E13T - F H4 - PRF / M H4 - NRA - 1 FFC 规格: H2:HDMI 2K H4:HDMI 4K H8:HDMI 8K 线长(M): 1:1M 2.5:2.5M	
	**E13-HDMI 母板后FFC弯头插座**(螺纹式) E13-HDMI female back mount to R/A HDMI male FFC type (Threaded) E13T - F H4 - PRF / M H4 - NRD - 1 FFC 规格: H2:HDMI 2K H4:HDMI 4K H8:HDMI 8K 线长(M): 1:1M 2.5:2.5M	
	**E13-HDMI 母板后FPC弯头插座**(螺纹式) E13-HDMI female back mount to R/A HDMI male FPC type (Threaded) E13T - F H4 - PRF / M H4 - NRD - 1 FPC 规格: H2:HDMI 2K H4:HDMI 4K H8:HDMI 8K 线长(M): 1:1M 2.5:2.5M	
	**E13防尘盖**(螺纹式) E13 Dust cover(Thread) E13T - VP - ST 尾扣: ST:单切边连接带 PI:插入式连接带 共用E13配件(Share E13 Accessories)	

E-HDMI 系列连接器–卡扣型 series connector - bayonet

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E16-HDMI 公直头/公直式带线插头(卡扣式) E16-HDMI str. male to str. male cable plug (Bayonet) E16B - M H4 - MWA / NWA - 1 PV - S 规格: H2:HDMI 2K H4:HDMI 4K H8:HDMI 8K 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU PE:PE 空:非屏蔽 S:屏蔽	
	E16-HDMI 公直头/公弯式带线插头(卡扣式) E16-HDMI str. male to R/A male cable plug (Bayonet) E16B - M H4 - MWA / NWD - 1 PV - S 规格: H2:HDMI 2K H4:HDMI 4K H8:HDMI 8K 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU PE:PE 空:非屏蔽 S:屏蔽	
	E16-HDMI 公弯头/公直式带线插头(卡扣式) E16-HDMI R/A male to str. male cable plug (Bayonet) E16B - M H4 - MWD / NWA - 1 PV - S 规格: H2:HDMI 2K H4:HDMI 4K H8:HDMI 8K 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU PE:PE 空:非屏蔽 S:屏蔽	
	E16-HDMI 公弯头/公弯式带线插头(卡扣式) E16-HDMI R/A male to R/A male cable plug (Bayonet) E16B - M H4 - MWD / NWD - 1 PV - S 规格: H2:HDMI 2K H4:HDMI 4K H8:HDMI 8K 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU PE:PE 空:非屏蔽 S:屏蔽	
	E16-HDMI 母板后/公直式带线插座(卡扣式) E16-HDMI female back panel mount receptacle to str. male cable (Bayonet) E16B - F H4 - PWF / M H4 - NWA - 1 PV - S 规格: H2:HDMI 2K H4:HDMI 4K H8:HDMI 8K 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU PE:PE 空:非屏蔽 S:屏蔽	
	E16-HDMI 母板后/公弯式带线插座(卡扣式) E16-HDMI female back panel mount receptacle to R/A male cable (Bayonet) E16B - F H4 - PWF / M H4 - NWD - 1 PV - S 规格: H2:HDMI 2K H4:HDMI 4K H8:HDMI 8K 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU PE:PE 空:非屏蔽 S:屏蔽	
	E16-HDMI 母板后PCB插座(卡扣式) E16-HDMI female back mount PCB receptacle (Bayonet) E16B - F H4 - PPF 规格: H2:HDMI 2K H4:HDMI 4K H8:HDMI 8K	

E-HDMI 系列连接器–卡扣型 series connector - bayonet

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E16-HDMI 母/母板后插座 (卡扣式) E16-HDMI female to female back mount receptacle (Bayonet) E16B - F H4 - PRF 规格: H2:HDMI 2K H4:HDMI 4K H8:HDMI 8K	
	E16-HDMI 母板后FFC插座(卡扣式) E16-HDMI female back mount to str. HDMI male FFC type (Bayonet) E16B - F H4 - PRF / M H4 - NRA - 1 FFC 规格: H2:HDMI 2K H4:HDMI 4K H8:HDMI 8K 线长(M): 1:1M 2.5:2.5M	
	E16-HDMI 母板后FFC弯头插座(卡扣式) E16-HDMI female back mount to R/A HDMI male FFC type (Bayonet) E16B - F H4 - PRF / M H4 - NRD - 1 FFC 规格: H2:HDMI 2K H4:HDMI 4K H8:HDMI 8K 线长(M): 1:1M 2.5:2.5M	
	E16 防尘盖圆孔(卡扣式) E16 dust cover circular hole (Bayonet) E16B-VP-ST 共用E16配件(Share E16 Accessories)	

防水DB Waterproof DB series

本系列产品广泛运用于船舶、铁路、电力、通讯、轨道交通、工业自动化、工控设备、数据传输、航空航天、军事工业、电信设备、数据交换设备、路由器、交换机、服务器等设备上。

This series of products is widely used in ships, railways, power, communication, rail transit, industrial automation, industrial control equipment, data transmission, aerospace, military industry, telecommunications equipment, data exchange equipment,routers, switches, servers and other equipment

执行标准：CECC7501-802 & IEC 60807-3。

Execution standards: CECC7501-802 & IEC 60807-3.

壳体规格：1号，2号，3号，4号 四种壳体。

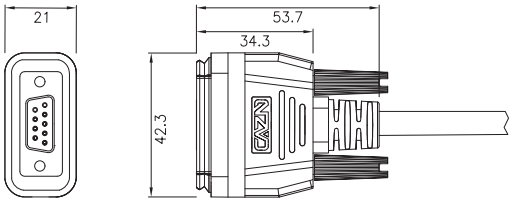
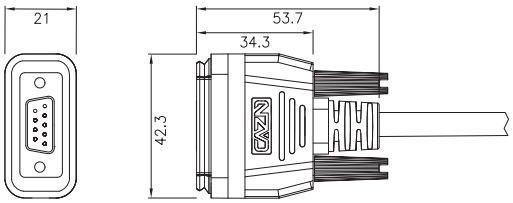
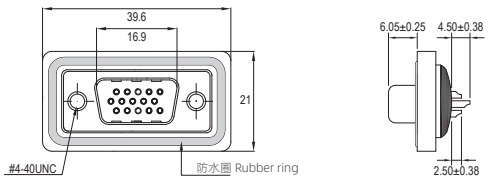
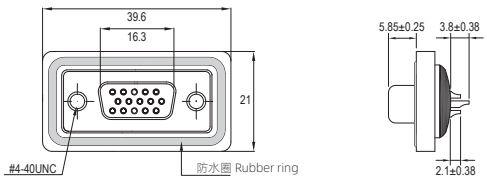
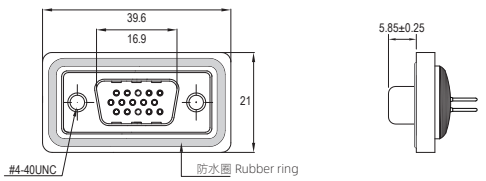
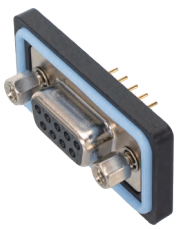
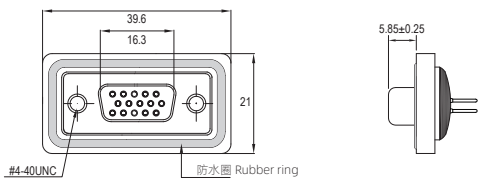
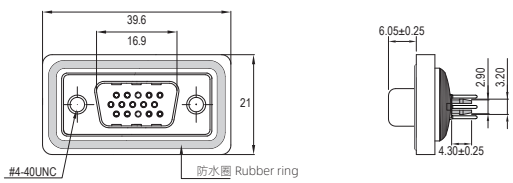
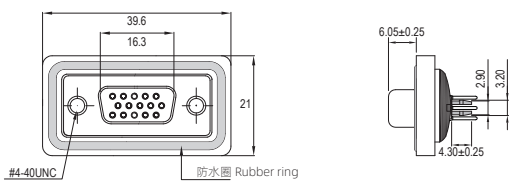
Shell specifications: four types of shells: 1, 2, 3, and 4.



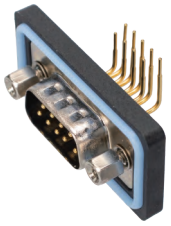
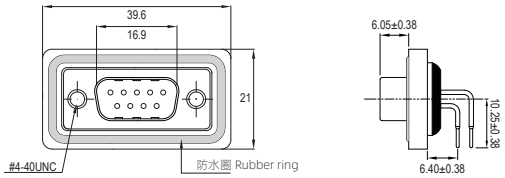
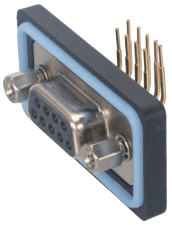
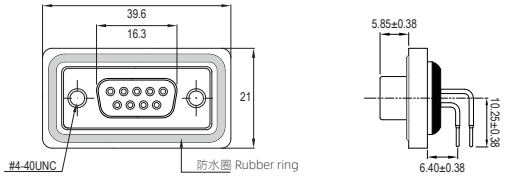
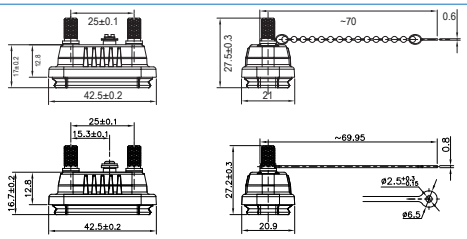
产品参数 Product parameters

壳体材料 Shell material	热塑性塑料 PA66 Thermoplastic PA66	阻燃等级 Flame retardant grade	UL94-V0
插针材料 Contact material	黄铜/磷铜镀金 Brass / Phosphor bronze plated	接触电阻 Contact resistance	≤25mΩ
密封材料 Sealing material	环氧树脂/橡胶 Epoxy resin / Rubber	绝缘电阻 Insulation impedance	≥100MΩ
锁紧方式 Locking method	螺丝/螺母 Screw / Nut	螺纹规格 Thread Spec	4~40UNC
接线工艺 Wiring process	焊接/插板 Solder / PCB	适用温度 Applicable temperature	带线款(With wires)： -25℃ ~ +85℃ 组装款(Assemble)：-55℃ ~ +125℃
铁壳材料 Iron shell material	前镍后锡 Front nickel and rear tin	防水等级 Waterproof rating	IP67
额定电压 Rated voltage	小针(Smaller pins)： 40V 大针(Bigger pins)：300V	额定电流 Rated current	小针(Smaller pins)： 5A 大针(Bigger pins)：10~40A

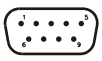
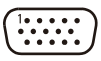
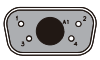
1号 壳体 No.1 Housing

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E-DB1 成型式孔型直式插头 E-DB1 straight female overmolded plug EDB1 - F 9 - MWA 14 - 1 PV - S 芯数: 9, 15H, 2W2, 2W2C, 5W1 大针线规: 14: 14AWG, 10: 10AWG, 08: 8AWG, 06: 6AWG(默认), 空: 小针 线长(M): 1:1M, 2.5:2.5M, …… 线材: PV:PVC, PU:PUR/TPU, PE:PE, TF:铁氟龙 空:非屏蔽, S:屏蔽	
	E-DB1 成型式针型直式插头 E-DB1 straight male overmolded plug EDB1 - M 9 - MWA 14 - 1 PV - S 芯数: 9, 15H, 2W2, 2W2C, 5W1 大针线规: 14: 14AWG, 10: 10AWG, 08: 8AWG, 06: 6AWG(默认), 空: 小针 线长(M): 1:1M, 2.5:2.5M, …… 线材: PV:PVC, PU:PUR/TPU, PE:PE, TF:铁氟龙 空:非屏蔽, S:屏蔽	
	E-DB1 直式针型插座(焊线式) E-DB1 straight male socket (Solder) EDB1 - M 9 - PWA 14 芯数: 9, 15H, 2W2, 2W2C, 5W1 大针线规: 14: 14AWG, 10: 10AWG, 08: 8AWG, 06: 6AWG(默认), 空: 小针	
	E-DB1 直式孔型插座(焊线式) E-DB1 straight female socket (Solder) EDB1 - F 9 - PWA 14 芯数: 9, 15H, 2W2, 2W2C, 5W1 大针线规: 14: 14AWG, 10: 10AWG, 08: 8AWG, 06: 6AWG(默认), 空: 小针	
	E-DB1 直式针型插座(焊板式) E-DB1 straight male socket (PCB) EDB1 - M 9 - PPA 14 芯数: 9, 15H, 2W2, 2W2C, 5W1 大针线规: 14: 14AWG, 10: 10AWG, 08: 8AWG, 06: 6AWG(默认), 空: 小针	
	E-DB1 直式孔型插座(焊板式) E-DB1 straight female socket (PCB) EDB1 - F 9 - PPA 14 芯数: 9, 15H, 2W2, 2W2C, 5W1 大针线规: 14: 14AWG, 10: 10AWG, 08: 8AWG, 06: 6AWG(默认), 空: 小针	
	E-DB1 直式针型插座(焊板式, 定位柱) E-DB1 straight male socket (PCB, Peg) EDB1 - M 9 - PPA 14- DW 芯数: 9, 15H, 2W2, 2W2C, 5W1 大针线规: 14: 14AWG, 10: 10AWG, 08: 8AWG, 06: 6AWG(默认), 空: 小针	
	E-DB1 直式孔型插座(焊板式, 定位柱) E-DB1 straight female socket (PCB, Peg) EDB1 - F 9 - PPA 14 - DW 芯数: 9, 15H, 2W2, 2W2C, 5W1 大针线规: 14: 14AWG, 10: 10AWG, 08: 8AWG, 06: 6AWG(默认), 空: 小针	

E-DB1 系列连接器 series connector

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E-DB1 弯式针型插座(焊板式) E-DB1 curved male socket (PCB) EDB1 - M 9 - PPL 14 芯数: 9 / 15H / 2W2 / 2W2C / 5W1 大针线规: 14: 14AWG / 10: 10AWG / 08: 8AWG / 06: 6AWG(默认) / 空: 小针	
	E-DB1 弯式孔型插座(焊板式) E-DB1 curved female socket (PCB) EDB1 - F 9 - PPL 14 芯数: 9 / 15H / 2W2 / 2W2C / 5W1 大针线规: 14: 14AWG / 10: 10AWG / 08: 8AWG / 06: 6AWG(默认) / 空: 小针	
	E-DB1 防尘盖 E-DB1 dust cover EDB1 - V S - BZ 尾部: BZ:金属链 / PU:硅胶链	

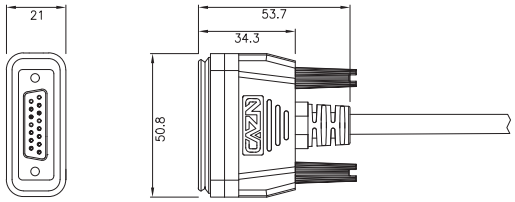
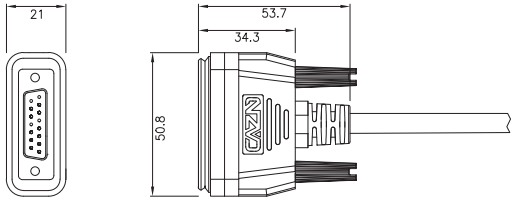
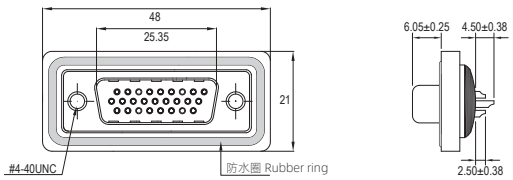
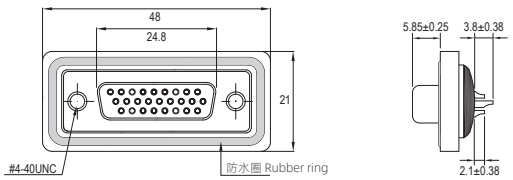
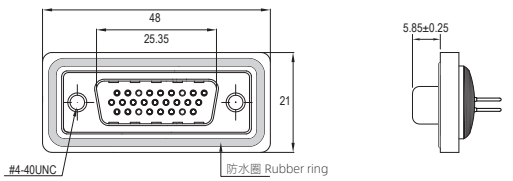
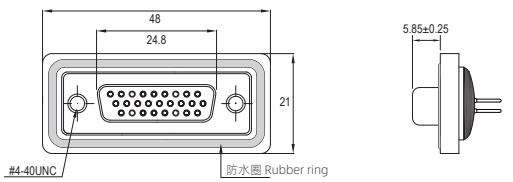
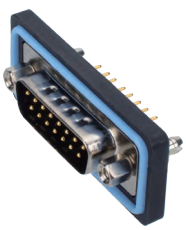
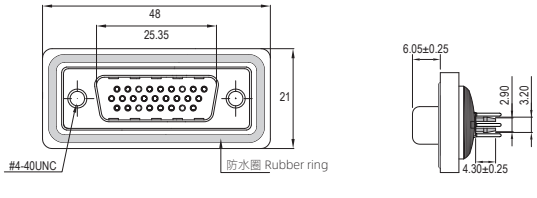
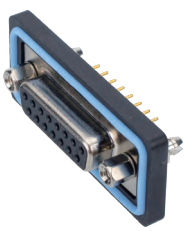
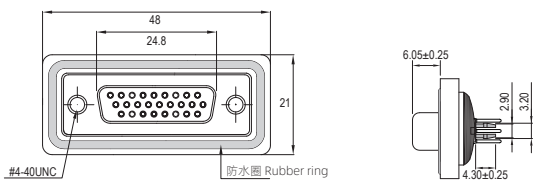
1号壳体·电气参数 No.1 Housing · Electrical Parameters

芯数排列 Pins arrangement					
芯位图 Pins arrangement	 9	 15H	 2W2	 2W2C	
芯数 Pins	小针:9 Smaller pins:9		小针:15 Smaller pins:15	大针:2 Bigger pins:2	大针:2, C型 Bigger pins:2, C-type
芯位图 Pins arrangement	 5W1				
芯数 Pins	大针:1 Bigger pins:1	小针:4 Smaller pins:4			

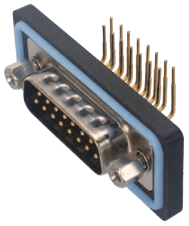
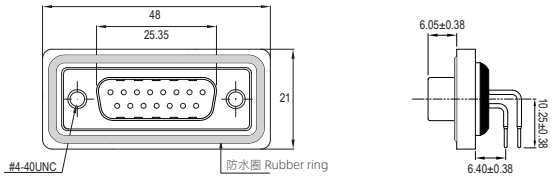
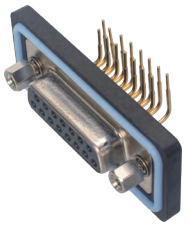
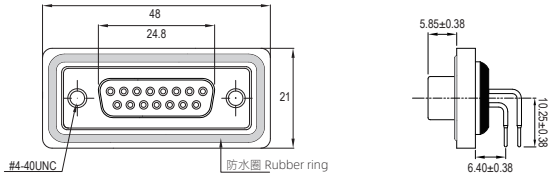
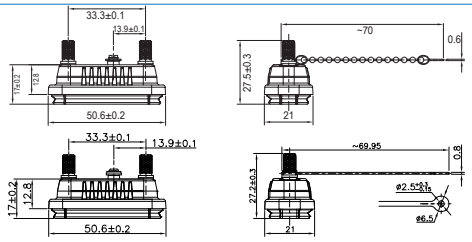
技术参数 Technical parameters						
针规 Pin gage	小针 Smaller pins	大针 Bigger pins				
线规 Wire gauge	20 AWG	14 AWG	10 AWG	8 AWG	6 AWG	同轴(Coaxial) (SMB)
引脚类型 Pin type	ϕ1	ϕ1.7	ϕ2.8	ϕ3.2	ϕ4.6	阻抗(Impedance): 50 Ω
额定电流 Rated current	5A	10A	20A	30A	40A	频率(Frequency): 18GHz
额定电压 Rated voltage	40V AC	300V AC	300V AC	300V AC	300V AC	-

接线范围 Wiring range	8.1mm ~ 14.0mm
防水等级 Waterproof grade	IP65/IP67
插拔次数 Durability	≥500次(Cycles)
适应温度 Applicable temperature	带线款(With wires):-25℃ ~ +85℃ / 组装款(Assemble):-55℃ ~ +125℃

E-DB2 系列连接器 series connector

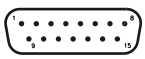
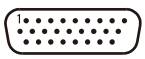
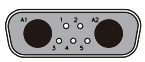
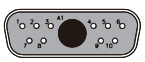
产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E-DB2 成型式孔型直式插头 E-DB2 straight female overmolded plug EDB2 - F 15 - MWA 14 - 1 PV - S 芯数: 15 / 26H / 3W3 / 3W3C / 7W2 / 11W1 大针线规: 14: 14AWG / 10: 10AWG / 08: 8AWG / 06: 6AWG(默认) / 空: 小针 线长(M): 1:1M / 2.5:2.5M / ..... 线材: PV:PVC / PU:PUR/TPU / PE:PE / TF:铁氟龙 空:非屏蔽 / S:屏蔽	
	E-DB2 成型式针型直式插头 E-DB2 straight male overmolded plug EDB2 - M 15 - MWA 14 - 1 PV - S 芯数: 15 / 26H / 3W3 / 3W3C / 7W2 / 11W1 大针线规: 14: 14AWG / 10: 10AWG / 08: 8AWG / 06: 6AWG(默认) / 空: 小针 线长(M): 1:1M / 2.5:2.5M / ..... 线材: PV:PVC / PU:PUR/TPU / PE:PE / TF:铁氟龙 空:非屏蔽 / S:屏蔽	
	E-DB2 直式针型插座(焊线式) E-DB2 straight male socket (Solder) EDB2 - M 15 - PWA 14 芯数: 15 / 26H / 3W3 / 3W3C / 7W2 / 11W1 大针线规: 14: 14AWG / 10: 10AWG / 08: 8AWG / 06: 6AWG(默认) / 空: 小针	
	E-DB2 直式孔型插座(焊线式) E-DB2 straight female socket (Solder) EDB2 - F 15 - PWA 14 芯数: 15 / 26H / 3W3 / 3W3C / 7W2 / 11W1 大针线规: 14: 14AWG / 10: 10AWG / 08: 8AWG / 06: 6AWG(默认) / 空: 小针	
	E-DB2 直式针型插座(焊板式) E-DB2 straight male socket (PCB) EDB2 - M 15 - PPA 14 芯数: 15 / 26H / 3W3 / 3W3C / 7W2 / 11W1 大针线规: 14: 14AWG / 10: 10AWG / 08: 8AWG / 06: 6AWG(默认) / 空: 小针	
	E-DB2 直式孔型插座(焊板式) E-DB2 straight female socket (PCB) EDB2 - F 15 - PPA 14 芯数: 15 / 26H / 3W3 / 3W3C / 7W2 / 11W1 大针线规: 14: 14AWG / 10: 10AWG / 08: 8AWG / 06: 6AWG(默认) / 空: 小针	
	E-DB2 直式针型插座(焊板式, 定位柱) E-DB2 straight male socket (PCB, Peg) EDB2 - M 15 - PPA 14 -DW 芯数: 15 / 26H / 3W3 / 3W3C / 7W2 / 11W1 大针线规: 14: 14AWG / 10: 10AWG / 08: 8AWG / 06: 6AWG(默认) / 空: 小针	
	E-DB2 直式孔型插座(焊板式, 定位柱) E-DB2 straight female socket (PCB, Peg) EDB2 - F 15 - PPA 14 -DW 芯数: 15 / 26H / 3W3 / 3W3C / 7W2 / 11W1 大针线规: 14: 14AWG / 10: 10AWG / 08: 8AWG / 06: 6AWG(默认) / 空: 小针	

E-DB2 系列连接器 series connector

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E-DB2 弯式针型插座(焊板式) E-DB2 curved male socket (PCB) EDB2 - M 15 - PPL 14 芯数: 15 / 26H / 3W3 / 3W3C / 7W2 / 11W1 大针线规: 14: 14AWG / 10: 10AWG / 08: 8AWG / 06: 6AWG(默认) / 空: 小针	
	E-DB2 弯式孔型插座(焊板式) E-DB2 curved female socket (PCB) EDB2 - F 15 - PPL 14 芯数: 15 / 26H / 3W3 / 3W3C / 7W2 / 11W1 大针线规: 14: 14AWG / 10: 10AWG / 08: 8AWG / 06: 6AWG(默认) / 空: 小针	
	E-DB2 防尘盖 E-DB2 dust cover EDB2 - V S - BZ 尾部: BZ:金属链 / PU:硅胶链	

2号 壳体 No.2 Housing

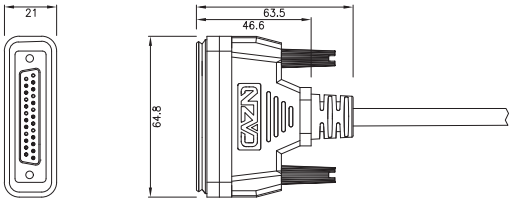
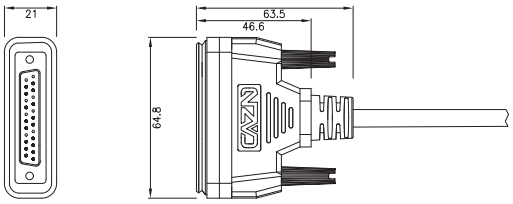
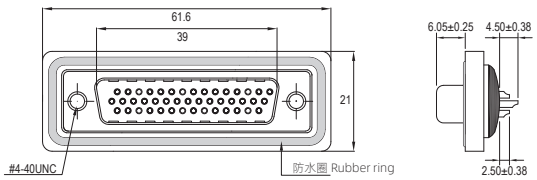
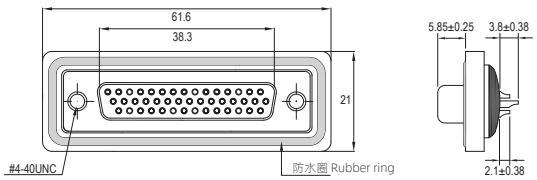
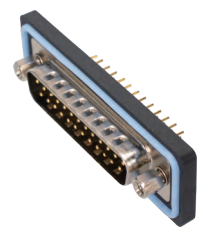
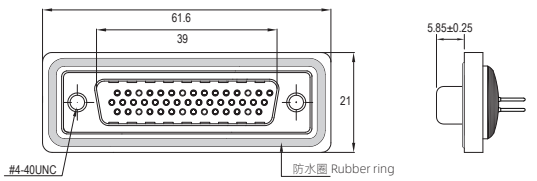
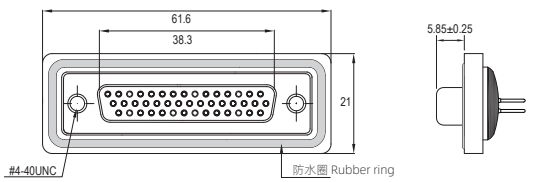
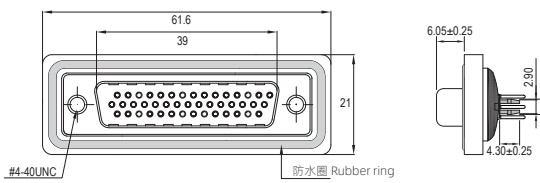
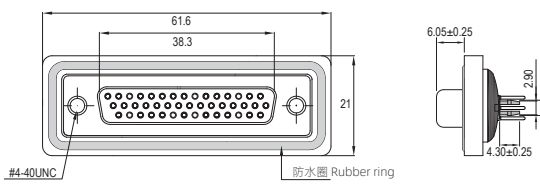
2号壳体·电气参数 No.2 Housing · Electrical Parameters

芯数排列 Pins arrangement						
芯位图 Pins arrangement	 15		 26H		 3W3	 3W3C
芯数 Pins	小针:15 Smaller pins:15		小针:26 Smaller pins:26		大针:3 Bigger pins:3	大针:3, C型 Bigger pins:3, C-type
芯位图 Pins arrangement	 7W2		 11W1			
芯数 Pins	大针:2 Bigger pins:2	小针:5 Smaller pins:5	大针:1 Bigger pins:1	小针:10 Smaller pins:10		

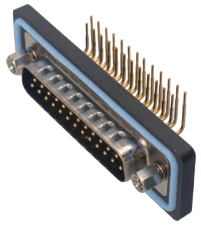
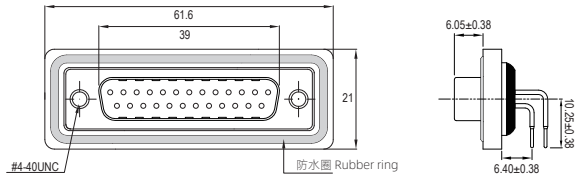
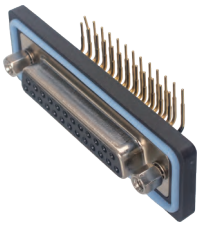
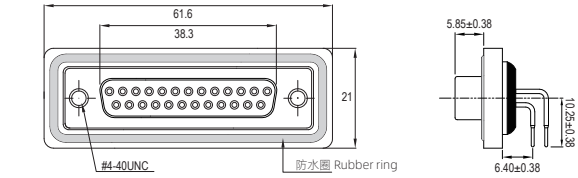
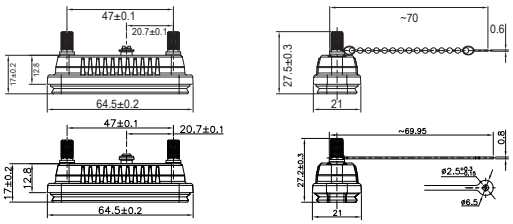
技术参数 Technical parameters						
针规 Pin gage	小针 Smaller pins	大针 Bigger pins				
线规 Wire gauge	20 AWG	14 AWG	10 AWG	8 AWG	6 AWG	同轴(Coaxial) (SMB)
引脚类型 Pin type	ϕ1	ϕ1.7	ϕ2.8	ϕ3.2	ϕ4.6	阻抗(Impedance): 50 Ω
额定电流 Rated current	5A	10A	20A	30A	40A	频率(Frequency): 18GHz
额定电压 Rated voltage	40V AC	300V AC	300V AC	300V AC	300V AC	-

接线范围 Wiring range	8.1mm ~ 14.0mm
防水等级 Waterproof grade	IP65/IP67
插拔次数 Durability	≥500次(Cycles)
适应温度 Applicable temperature	带线款(With wires):-25℃ ~ +85℃ / 组装款(Assemble):-55℃ ~ +125℃

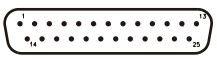
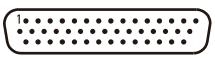
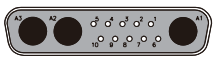
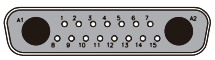
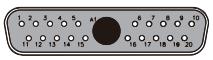
3号 壳体 No.3 Housing

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E-DB3 成型式孔型直式插头 E-DB3 straight female overmolded plug EDB3 - F 25 - MWA 14 - 1 PV - S 芯数: 25 / 44H / 5W5 / 9W4 / 13W3 / 17W2 / 21W1 大针线规: 14: 14AWG / 10: 10AWG / 08: 8AWG / 06: 6AWG(默认) / 空: 小针 线长(M): 1:1M / 2.5:2.5M / ..... / 线材: PV:PVC / PU:PUR/TPU / PE:PE / TF:铁氟龙 空:非屏蔽 S:屏蔽	
	E-DB3 成型式针型直式插头 E-DB3 straight male overmolded plug EDB3 - M 25 - MWA 14 - 1 PV - S 芯数: 25 / 44H / 5W5 / 9W4 / 13W3 / 17W2 / 21W1 大针线规: 14: 14AWG / 10: 10AWG / 08: 8AWG / 06: 6AWG(默认) / 空: 小针 线长(M): 1:1M / 2.5:2.5M / ..... / 线材: PV:PVC / PU:PUR/TPU / PE:PE / TF:铁氟龙 空:非屏蔽 S:屏蔽	
	E-DB3 直式针型插座(焊线式) E-DB3 straight male socket (Solder) EDB3 - M 25 - PWA 14 芯数: 25 / 44H / 5W5 / 9W4 / 13W3 / 17W2 / 21W1 大针线规: 14: 14AWG / 10: 10AWG / 08: 8AWG / 06: 6AWG(默认) / 空: 小针	
	E-DB3 直式孔型插座(焊线式) E-DB3 straight female socket (Solder) EDB3 - F 25 - PWA 14 芯数: 25 / 44H / 5W5 / 9W4 / 13W3 / 17W2 / 21W1 大针线规: 14: 14AWG / 10: 10AWG / 08: 8AWG / 06: 6AWG(默认) / 空: 小针	
	E-DB3 直式针型插座(焊板式) E-DB3 straight male socket (PCB) EDB3 - M 25 - PPA 14 芯数: 25 / 44H / 5W5 / 9W4 / 13W3 / 17W2 / 21W1 大针线规: 14: 14AWG / 10: 10AWG / 08: 8AWG / 06: 6AWG(默认) / 空: 小针	
	E-DB3 直式孔型插座(焊板式) E-DB3 straight female socket (PCB) EDB3 - F 25 - PPA 14 芯数: 25 / 44H / 5W5 / 9W4 / 13W3 / 17W2 / 21W1 大针线规: 14: 14AWG / 10: 10AWG / 08: 8AWG / 06: 6AWG(默认) / 空: 小针	
	E-DB3 直式针型插座(焊板式, 定位柱) E-DB3 straight male socket (PCB, Peg) EDB3 - M 25 - PPA 14 - DW 芯数: 25 / 44H / 5W5 / 9W4 / 13W3 / 17W2 / 21W1 大针线规: 14: 14AWG / 10: 10AWG / 08: 8AWG / 06: 6AWG(默认) / 空: 小针	
	E-DB3 直式孔型插座(焊板式, 定位柱) E-DB3 straight female socket (PCB, Peg) EDB3 - F 25 - PPA 14 - DW 芯数: 25 / 44H / 5W5 / 9W4 / 13W3 / 17W2 / 21W1 大针线规: 14:14AWG / 10:10AWG / 08:8AWG / 06:6AWG(默认) / 空:小针	

E-DB3 系列连接器 series connector

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E-DB3 弯式针型插座(焊板式) E-DB3 curved male socket (PCB) EDB3 - M 25 - PPL 14 芯数: 25 / 44H / 5W5 / 9W4 / 13W3 / 17W2 / 21W1 大针线规: 14: 14AWG / 10: 10AWG / 08: 8AWG / 06: 6AWG(默认) / 空: 小针	
	E-DB3 弯式孔型插座(焊板式) E-DB3 curved female socket (PCB) EDB3 - F 25 - PPL 14 芯数: 25 / 44H / 5W5 / 9W4 / 13W3 / 17W2 / 21W1 大针线规: 14: 14AWG / 10: 10AWG / 08: 8AWG / 06: 6AWG(默认) / 空: 小针	
	E-DB3 防尘盖 E-DB3 dust cover EDB3 - V S - BZ 尾部: BZ:金属链 / PU:硅胶链	

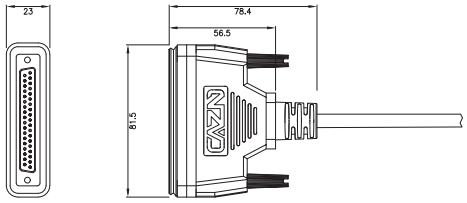
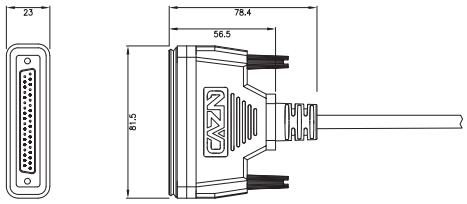
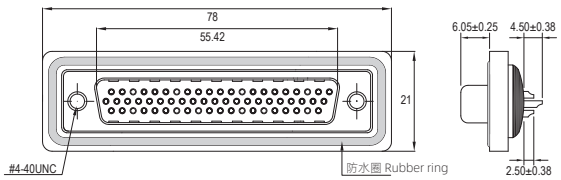
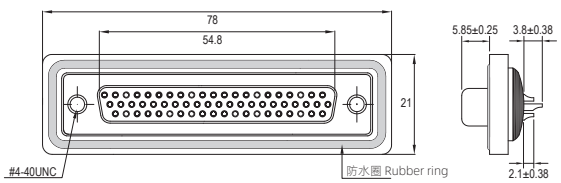
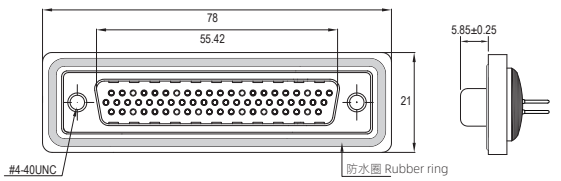
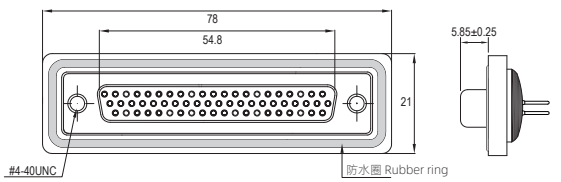
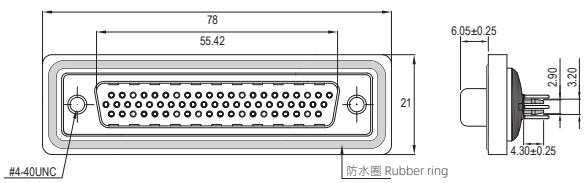
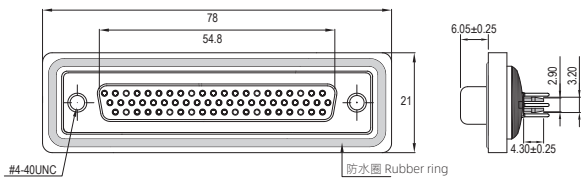
3号壳体·电气参数 No.3 Housing · Electrical Parameters

芯数排列 Pins arrangement										
芯位图 Pins arrangement	 25		 44H		 5W5		 9W4			
芯数 Pins	小针:25 Smaller pins:25		小针:44 Smaller pins:44		大针:5 Bigger pins:5		大针:4 Bigger pins:4		小针:5 Smaller pins:5	
芯位图 Pins arrangement	 13W3		 17W2		 21W1					
芯数 Pins	大针:3 Bigger pins:3	小针:10 Smaller pins:10	大针:2 Bigger pins:2	小针:15 Smaller pins:15	大针:1 Bigger pins:1	小针:20 Smaller pins:20				

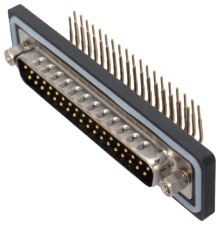
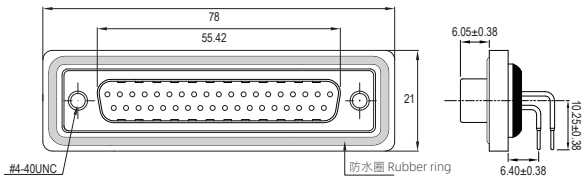
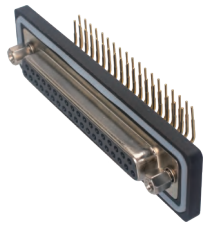
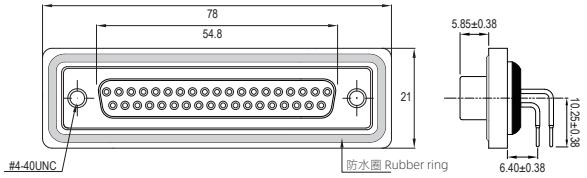
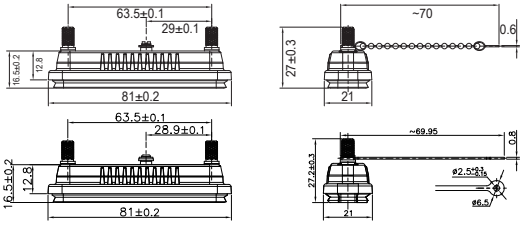
技术参数 Technical parameters						
针规 Pin gage	小针 Smaller pins	大针 Bigger pins				
线规 Wire gauge	20 AWG	14 AWG	10 AWG	8 AWG	6 AWG	同轴(Coaxial) (SMB)
引脚类型 Pin type	ϕ1	ϕ1.7	ϕ2.8	ϕ3.2	ϕ4.6	阻抗(Impedance): 50 Ω
额定电流 Rated current	5A	10A	20A	30A	40A	频率(Frequency): 18GHz
额定电压 Rated voltage	40V AC	300V AC	300V AC	300V AC	300V AC	-

接线范围 Wiring range	8.1mm ~ 14.0mm
防水等级 Waterproof grade	IP65/IP67
插拔次数 Durability	≥500次(Cycles)
适应温度 Applicable temperature	带线款(With wires):-25℃ ~ +85℃ / 组装款(Assemble):-55℃ ~ +125℃

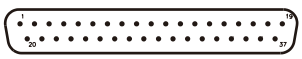
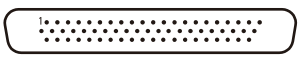
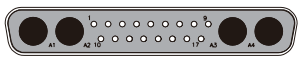
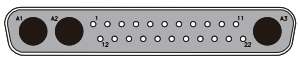
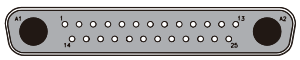
4号 壳体 No.4 Housing

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E-DB4 成型式孔型直式插头 E-DB4 straight female overmolded plug EDB4 - F 37 - MWA 14 - 1 PV - S 芯数: 37 62H 8W8 13W6 21W4 25W3 27W2 大针线规: 14: 14AWG 10: 10AWG 08: 8AWG 06: 6AWG(默认) 空: 小针 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PUR/TPU PE:PE TF:铁氟龙 空:非屏蔽 S:屏蔽	
	E-DB4 成型式针型直式插头 E-DB4 straight male overmolded plug EDB4 - M 37 - MWA 14 - 1 PV - S 芯数: 37 62H 8W8 13W6 21W4 25W3 27W2 大针线规: 14: 14AWG 10: 10AWG 08: 8AWG 06: 6AWG(默认) 空: 小针 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PUR/TPU PE:PE TF:铁氟龙 空:非屏蔽 S:屏蔽	
	E-DB4 直式针型插座(焊线式) E-DB4 straight male socket (Solder) EDB4 - M 37 - PWA 14 芯数: 37 62H 8W8 13W6 21W4 25W3 27W2 大针线规: 14: 14AWG 10: 10AWG 08: 8AWG 06: 6AWG(默认) 空: 小针	
	E-DB4 直式孔型插座(焊线式) E-DB4 straight female socket (Solder) EDB4 - F 37 - PWA 14 芯数: 37 62H 8W8 13W6 21W4 25W3 27W2 大针线规: 14: 14AWG 10: 10AWG 08: 8AWG 06: 6AWG(默认) 空: 小针	
	E-DB4 直式针型插座(焊板式) E-DB4 straight male socket (PCB) EDB4 - M 37 - PPA 14 芯数: 37 62H 8W8 13W6 21W4 25W3 27W2 大针线规: 14: 14AWG 10: 10AWG 08: 8AWG 06: 6AWG(默认) 空: 小针	
	E-DB4 直式孔型插座(焊板式) E-DB4 straight female socket (PCB) EDB4 - F 37 - PPA 14 芯数: 37 62H 8W8 13W6 21W4 25W3 27W2 大针线规: 14: 14AWG 10: 10AWG 08: 8AWG 06: 6AWG(默认) 空: 小针	
	E-DB4 直式针型插座(焊板式, 定位柱) E-DB4 straight male socket (PCB, Peg) EDB4 - M 37 - PPA 14 - DW 芯数: 37 62H 8W8 13W6 21W4 25W3 27W2 大针线规: 14: 14AWG 10: 10AWG 08: 8AWG 06: 6AWG(默认) 空: 小针	
	E-DB4 直式孔型插座(焊板式, 定位柱) E-DB4 straight female socket (PCB, Peg) EDB4 - F 37 - PPA 14 - DW 芯数: 37 62H 8W8 13W6 21W4 25W3 27W2 大针线规: 14: 14AWG 10: 10AWG 08: 8AWG 06: 6AWG(默认) 空: 小针	

E-DB4 系列连接器 series connector

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E-DB4 弯式针型插座(焊板式) E-DB4 curved male socket (PCB) EDB4 - M 37 - PPL 14 芯数: 37 / 62H / 8W8 / 13W6 / 21W4 / 25W3 / 27W2 大针线规: 14: 14AWG / 10: 10AWG / 08: 8AWG / 06: 6AWG(默认) / 空: 小针	
	E-DB4 弯式孔型插座(焊板式) E-DB4 curved female socket (PCB) EDB4 - F 37 - PPL 14 芯数: 37 / 62H / 8W8 / 13W6 / 21W4 / 25W3 / 27W2 大针线规: 14: 14AWG / 10: 10AWG / 08: 8AWG / 06: 6AWG(默认) / 空: 小针	
	E-DB4 防尘盖 E-DB4 dust cover EDB4 - V S - BZ 尾部: BZ:金属链 / PU:硅胶链	

4号壳体·电气参数 No.4 Housing · Electrical Parameters

芯数排列 Pins arrangement								
芯位图 Pins arrangement	 37		 62H		 8W8		 13W6	
芯数 Pins	小针:37 Smaller pins:37		小针:62 Smaller pins:62		大针:8 Bigger pins:8		大针:6 Bigger pins:6	小针:7 Smaller pins:7
芯位图 Pins arrangement	 21W4		 25W3		 27W2			
芯数 Pins	大针:4 Bigger pins:4	小针:17 Smaller pins:17	大针:3 Bigger pins:3	小针:22 Smaller pins:22	大针:2 Bigger pins:2	小针:25 Smaller pins:25		

技术参数 Technical parameters						
针规 Pin gage	小针 Smaller pins	大针 Bigger pins				
线规 Wire gauge	20 AWG	14 AWG	10 AWG	8 AWG	6 AWG	同轴(Coaxial) (SMB)
引脚类型 Pin type	ϕ1	ϕ1.7	ϕ2.8	ϕ3.2	ϕ4.6	阻抗(Impedance): 50 Ω
额定电流 Rated current	5A	10A	20A	30A	40A	频率(Frequency): 18GHz
额定电压 Rated voltage	40V AC	300V AC	300V AC	300V AC	300V AC	-

接线范围 Wiring range	8.1mm ~ 14.0mm
防水等级 Waterproof grade	IP65/IP67
插拔次数 Durability	≥500次(Cycles)
适应温度 Applicable temperature	带线款(With wires):-25℃ ~ +85℃ / 组装款(Assemble):-55℃ ~ +125℃

SIM/TF卡座 SIM/TF card series

卡座系列读卡器主要用于卡式存储器与电脑端的数据交换
The card holder series card reader is mainly used for data exchange between card type memory and PC,

广泛应用于：车载系统，户外相机，无人机，船只，运动机车，运动自行车，及户外监控等
Widely used in car systems, outdoor cameras, drones, boats, sports motorcycles, sports bicycles, and outdoor monitoring.

产品工艺：板前安装，板后安装，PCB板式(DIP式)
Product process: pre board installation, post board installation, PCB(DIP).

产品线长可订制，产品规格可定制
The product line length can be customized, and the product specifications can be customized,

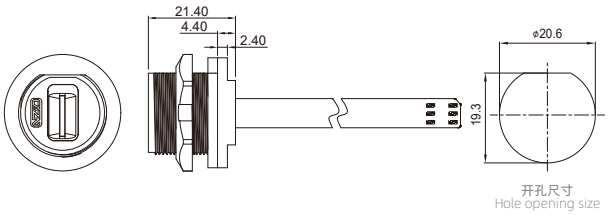
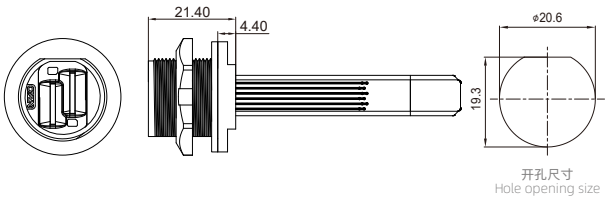
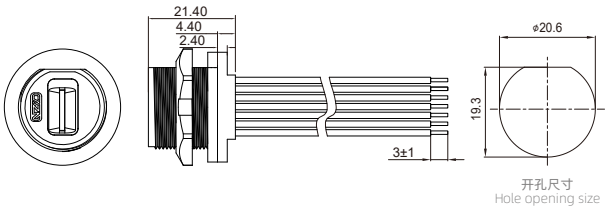
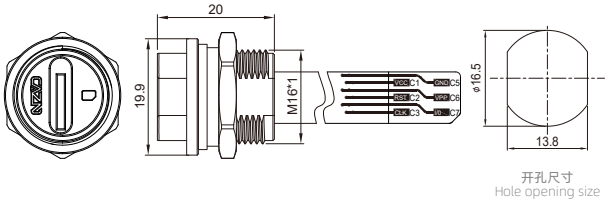
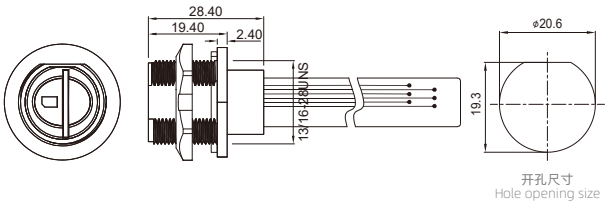
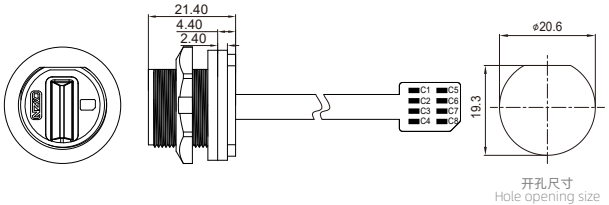
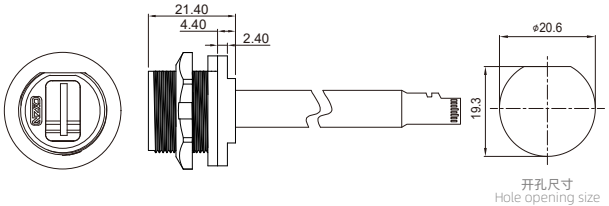
更多卡座系列正在研发中，敬请期待
More booth series are currently under development, please stay tuned.



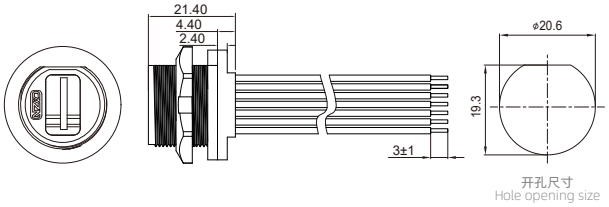
产品参数 Product parameters

壳体材料 Shell material	热塑性塑料 PBT Thermoplastic PBT	阻燃等级 Flame retardant grade	UL94-V0
导体材料 Conductor material	铜箔/铜丝 Copper foil / Copper wire	绝缘电阻 Insulation impedance	⩾100MΩ
锁紧方式 Locking method	螺丝/螺母 Screw / Nut	额定电流 Rated current	0.5A
适用温度 Applicable temperature	-25℃ ~ +85℃	额定电压 Rated voltage	30V AC
防水等级 Waterproof rating	IP65/IP67		

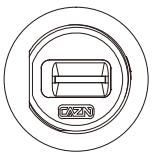
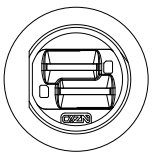
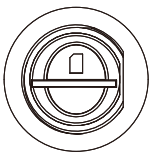
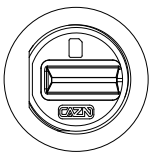
E-SIM/TF 卡座系列连接器—螺纹型 card serie connector-threaded

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E-Nano-SIM 板后安装母插座(螺纹式) E-Nano-SIM install female socket after E-Nano-SIM board (Threaded) E13T - F SM - PWF / M SM - NRA - 0.2 FPC 线长(M): 0.2:0.2M 0.3:0.3M	
	E-Nano-SIM 板后安装母插座(螺纹式, 双线) E-Nano-SIM install female socket after E-Nano-SIM board (Threaded, Double wire) E13T - F SM×2 - PWF / M SM×2- NRA - 0.2 FPC 线长(M): 0.2:0.2M 0.3:0.3M	
	E-Nano-SIM 板后安装母带线插座(螺纹式) E-Nano-SIM board rear mounting female socket (Threaded)(with wire) E13T - F SM - PWF - 1 PV 线长(M): 1:1M 2.5:2.5M ..... 线材: PV:PVC PU:PU	
	E16-Nano-SIM 卡板前安装母插座 (螺纹式, 金属款) E16-Nano-SIM card front installation female socket (Threaded, Metal version) E16T - F SM - GWF / M SM - NRA - 0.2 FPC 线长(M): 0.2:0.2M 0.3:0.3M	
	E-Mini-SIM 板后安装母插座(螺纹式) E-Mini-SIM install female socket after E-Mini-SIM board (Threaded) E13T - F SM - PWF / M SM - NRA - 0.2 FPC -01 线长(M): 0.2:0.2M 0.3:0.3M	
	E-Micro-SIM 板后安装母插座(螺纹式) E-Micro-SIM install female socket after E-Micro-SIM board (Threaded) E13T - F SM - PWF / M SM - NRA - 0.2 FPC -03 线长(M): 0.2:0.2M 0.3:0.3M	
	E-SDTF 卡板后安装母插座(螺纹式) E-SDTF install female socket after E-TF card board (Threaded) E13T - F SD - PWF / M SD - NRA - 0.2 FPC 线长(M): 0.2:0.2M 0.3:0.3M	

E-SIM/TF 卡座系列连接器—螺纹型 card serie connector-threaded

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	E-SDTF 板后安装母带线插座(螺纹式) E-SDTF board rear mounting female socket (Threaded)(with wire) E13T - F SD - PWF - 1 PV 线长(M): 1:1M 2.5:2.5M …… 线材: PV:PVC PU:PU	

E-SIM/TF·电气参数 E-SIM/TF · Electrical Parameters

型号 Type	芯图 Section view	导体数量 Number of conductors	绝缘电阻 Insulation impedance	耐电压 Withstand Voltage	额定电流 Rated current	额定电压 Rated voltage
SIM		6 Pin	≥100MΩ	500V AC/min	0.5A	30V AC
SIM×2		6 Pin×2	≥100MΩ	500V AC/min	0.5A	30V AC
Mini SIM		6 Pin	≥100MΩ	500V AC/min	0.5A	30V AC
Micro SIM		8 Pin	≥100MΩ	500V AC/min	0.5A	30V AC
E16 SIM		6 Pin	≥100MΩ	500V AC/min	0.5A	30V AC
TF		8 Pin	≥100MΩ	500V AC/min	0.5A	30V AC

EP面板型 EP panel type

EP面板型是转为面板场景使用设计的产品系列，其产品种类包括了USB、Type-c、RJ45、HDMI、光纤等
The EP panel type is a product line designed for use in panel scenarios, including USB, Type-c, RJ45, HDMI, Fiber optics, etc

并能满足各种定制化需求。
Can meet a variety of customized requirements.

其结构多样性，有双孔设计、FPC、线端转接头，
Its structural diversity includes dual hole design, FPC, and wire end adapters,

人体工程学结构工艺设计，为严苛的测试环境打造而成。
Ergonomic structure and process design are made for the harsh test environment.

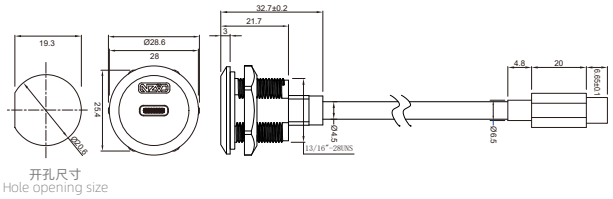
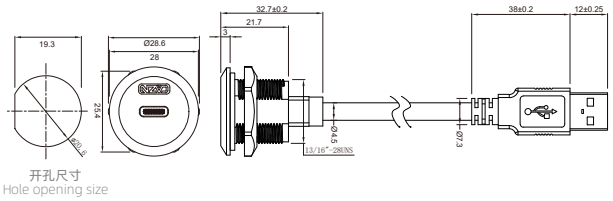
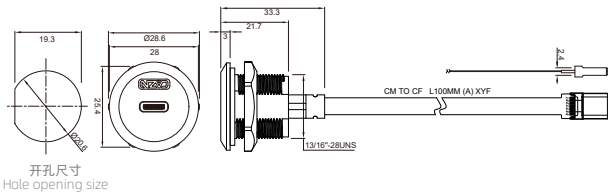
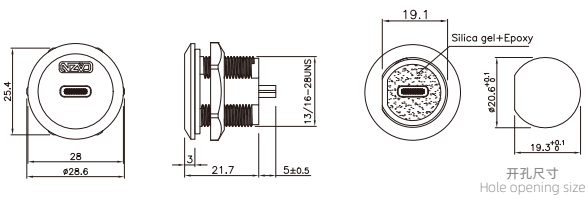
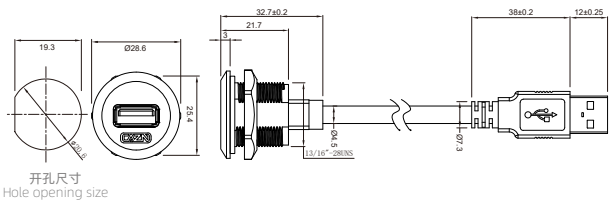
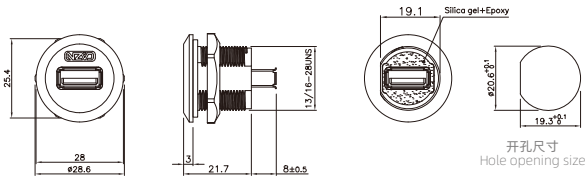
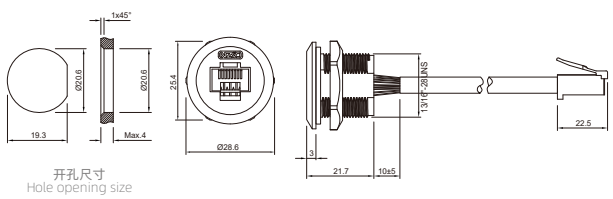
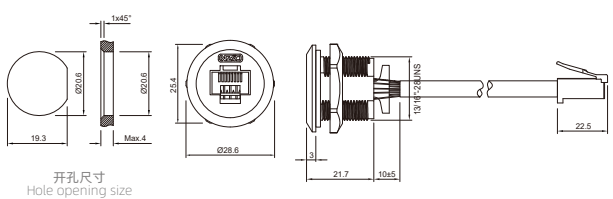
螺纹锁紧式设计，紧锁对接，安全牢固，防水耐用。
Threaded locking design, tight locking docking, safe and firm, waterproof and durable.



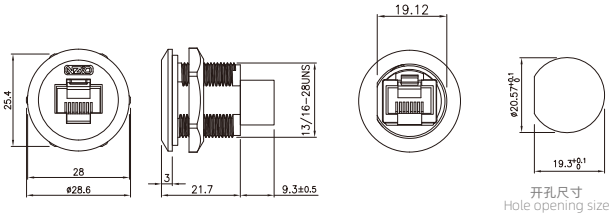
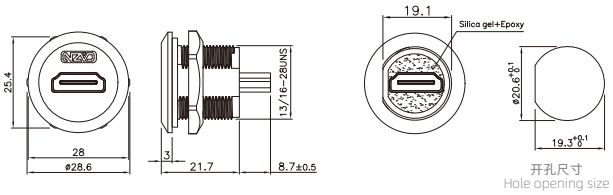
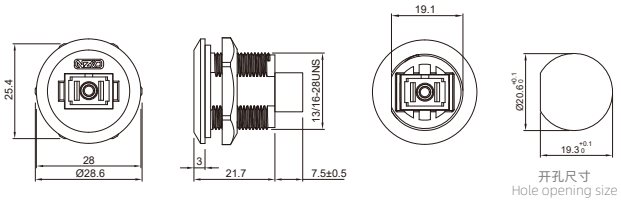
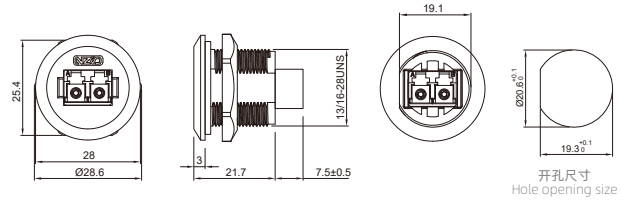
产品参数 Product parameters

壳体材料 Shell material	热塑性塑料 PBT Thermoplastic PBT	阻燃等级 Flame retardant grade	UL94-V0
导体材料 Conductor material	铜箔/铜丝 Copper foil / Copper wire	绝缘电阻 Insulation impedance	≥100MΩ
锁紧方式 Locking method	面板式螺纹装配 Panel style threaded assembly	额定电流 Rated current	0.5A ~ 3A
适用温度 Applicable temperature	-25℃ ~ +85℃	额定电压 Rated voltage	1.5V ~ 30V AC
防水等级 Waterproof rating	IP65/IP67		

EP 面板型连接器–螺纹型 panel type connector-threaded

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	EP-TYPE-C 面板型板前安装母插座/公直插头(螺纹式) EP-TYPE-C panel front installation female socket/male straight plug (Threaded) EP - F T3 - PWF / M T3 - NWA - 1 PV - S 标准: T2 :USB 2.0 T3 :USB 3.0 T3.1:USB 3.1 T4 :USB 4.0 线长(M): 1:1M 2.5:2.5M …… 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	EP-TYPE-C 面板型板前安装母插座/USB公直插头(螺纹式) EP-TYPE-C panel front installation female socket/USB male plug (Threaded) EP - F T3 - PWF / M U3 - NWA - 1 PV - S 标准: T2 :USB 2.0 T3 :USB 3.0 T3.1:USB 3.1 T4 :USB 4.0 标准: U2: USB 2.0 U3: USB 3.0 线长(M): 1:1M 2.5:2.5M …… 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	EP-TYPE-C 面板型板前安装母头/公直头FPC插座(螺纹式) EP-TYPE-C panel type board front installation female/male straight FPC socket (Threaded) EP - F T3.1 - PWF / M T3.1 - NWA - 1 FPC 标准: T2 :USB 2.0 T3 :USB 3.0 T3.1:USB 3.1 T4 :USB 4.0 线长(M): 1:1M 2.5:2.5M ……	
	EP-TYPE-C 面板型板前安装双母头插座(螺纹式) EP-TYPE-C panel front installation of dual female socket (Threaded) EP - F T3.1 - PRF	
	EP-USB 面板型板前安装母插座/公直插头(螺纹式) EP-USB panel type board front installation female socket/male straight plug (Threaded) EP - F U2 - PWF / M U2 - NWA - 1 PV - S 标准: U2: USB 2.0 U3: USB 3.0 标准: U2: USB 2.0 U3: USB 3.0 线长(M): 1:1M 2.5:2.5M …… 线材: PV:PVC PU:PU 空:非屏蔽 S:屏蔽	
	EP-USB 面板型板前安装双母头插座(螺纹式) EP-USB panel front installation of dual female socket (Threaded) EP - F U3 - PRF 标准: U2: USB 2.0 U3: USB 3.0	
	EP-RJ45 面板型板前安装母插座/公直插头(灌胶)(螺纹式) EP-RJ45 panel front installation female socket/male straight plug with wire (Threaded) EP - F R5 - PWF / M R5 - NCA - 1 PV - JD RJ45: R5:5E R6:6E 线长(M): 1:1M 2.5:2.5M …… 线材: PV:PVC PU:PU JD:接地 空:不接地	
	EP-RJ45 面板型板前安装母插座/公直插头(无灌胶)(螺纹式) EP-RJ45 panel front installation female socket/male straight plug with PCB board (Threaded) EP - F R5 - PWF / M R5 - NCA - 1 PV - JD - PCB RJ45: R5:5E R6:6E 线长(M): 1:1M 2.5:2.5M …… 线材: PV:PVC PU:PU JD:接地 空:不接地	

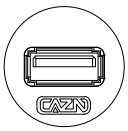
EP 面板型连接器–螺纹型 panel type connector-threaded

产品图 PRODUCT FIGURE	名称/类型号 NAME/TYPE NO.	尺寸图 DIMENSIONS
	EP-RJ45 面板型板前安装双母头插座(螺纹式) EP-RJ45 panel front installation of dual female socket (Threaded) EP - F R6 - PRB	
	EP-HDMI 面板型板前安装双母头插座(螺纹式) EP-HDMI panel front installation of dual female socket (Threaded) EP - F H2 - PRF	
	EP-FDDI 单模单芯板前安装插座(螺纹式) EP-FDDI single-mode single-core front mount receptacle (Threaded) EP - F F1 - PRB	
	EP-FDDI 单模双芯板前安装插座(螺纹式) EP-FDDI single-mode double-core front mount receptacle (Threaded) EP - F F2 - PRB	

EP·配件 EP · Accessory

类型号 Type No.	C130711-00001	C130711-00002	C130711-00003
产品图 Product figure	 EP-TYPE-C 防尘盖 EP-TYPE-C dust cover	 EP-USB 防尘盖 EP-USB dust cover	 EP-HDMI 防尘盖 EP-HDMI dust cover
类型号 Type No.	**C130711-00004**	**C130711-00005**	**C130711-00006**
产品图 Product figure	 EP-RJ45 防尘盖 EP-RJ45 dust cover	 EP-FDDI 防尘盖,单模单芯 EP-FDDI dust cover, single-mode single-core	 EP-FDDI 防尘盖,单模双芯 EP-FDDI dust cover, single-mode dual-core

EP·芯位图 EP · Core location map

型号 Type	Type-c	USB	RJ45	HDMI	FDDI-F1	FDDI-F2
芯图 Section view						

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