



## Military & Defense Interconnect Solutions

北京-上海-深圳-绵阳-西安-武汉-成都-石家庄-南京-济南-太原

### 北京中航宇飞科技有限公司（营销总部）

电话：021-80165327

传真：021-80165326

邮箱：[sales@zhyf-bj.com](mailto:sales@zhyf-bj.com)

地址：北京市房山区天星街1号院14号楼西楼617



### 四川宇飞连接电子有限公司（研发生产总部）

地址：四川省绵阳市经开区电子制造产业园6栋



[www.zhyf-bj.com](http://www.zhyf-bj.com)



北京中航宇飞科技有限公司  
BEIJING ZHYF TECHNOLOGY CO., LTD





# 企业简介

## Company Profile

ZHYF has a professional background for more than 20 years in push pull and hash environment connectors, Our products are used widely in the application of military communication, medical electronics, audio-video, testing and measurement instrumentations, etc. We also design and manufacture special Fiber Optic Connectors and custom cable assembly for harsh environments.

ZHYF has established its quality management system according to ISO 9001, and 5S management system. Product standards meet the requirement of MIL, UL and IEC, Chinese military GJB accordingly.

ZHYF can design connectors according to customer specifications. In any case, high quality and reliability connection is the primary target for the company to achieve.

Relying on the experienced professional team, we will provide partners with more than expected connectivity solutions.

**VISION:** To be a shining star in connector industry!

**MISSION:** Relying on the experienced professional team, to provide partners with more than expected connectivity solutions.





## 军用通用高可靠连接器

Military Universal High Reliability Connectors



### J599/JY系列圆形连接器

- 符合GJB599 (MIL-DTL-38999)标准;
- 有 I、II、III、IV 四个系列;
- 连接方式: 卡口、三头螺纹、卡锁连接;
- 端接方式: 焊线、焊板、导线压接;
- 接触件数目: 1~128芯;
- 工作电压: 400~1000V;
- 工作电流: 5A~80A;

详见《军用圆形连接器》选用手册

### J599 Series Circular connectors

- Conform to GJB599 (MIL-DTL-38999) standard
- Including 4 series as I, II, III, IV ;
- Joint type: buckle, three thread, buckle lock connection;
- Terminal connection type: wire welding, PCB welding, wire crimping
- Contact pin: 1-128 pins
- Working voltage: 400-1000V
- Working current: 5A-80A

The detail refer to the manual of military circular connector



### J599系列复合材料圆形连接器

- 符合GJB599-1993(MIL-DTL-38999)标准;
- 复合材料外壳, 比铝合金外壳轻25%~40%;
- 连接方式: 三头螺纹;
- 耐中性盐雾: 2000小时;
- 耐酸性盐雾: 240小时;
- 耐酸性大气: 680小时;
- 端接方式: 焊线、焊板、导线压接;
- 接触件数目: 1~128芯;
- 工作电压: 400~1000V;
- 工作电流: 5A~80A;

详见《军用圆形连接器》选用手册

### J599 Series Composite Circular connectors

- Conform to GJB599-1993 (MIL-DTL-38999) standard
- The weight of shell with composite material is 25%~40% lighter than with Aluminum alloy
- Joint type: three thread
- The resistance of neutral salt spray: 2000 hrs
- The resistance of Acid salt spray: 240 hrs
- The resistance of Acidic atmosphere:680 hrs
- Terminal connection type: wire welding, PCB welding, wire crimping;
- Contact pin: 1~128 pins
- Working voltage:400~1000V
- Working current:5A~80A

The detail refer to the manual of military circular connector



### J599系列光电混装圆形连接器

- 接口尺寸符合GJB599-1993(MIL-DTL-38999)标准;
- 连接方式: 三头螺纹;
- 可任意拼装光纤、射频或普通接触件;
- 接触件数目: 2~61芯;
- 耐电压: 1000V

详见《军用圆形连接器》选用手册

### J599Series Circular Connectors with mix-loaded

- Conform to GJB599-1993 (MIL-DTL-38999) standard
- Joint type: three thread
- May be fixed with any optical contact, RF contact or normal contact
- Contact pin: 2~6 pins
- Voltage resistance: 1000V

The detail refer to the manual of military circular connector



### J599系列大电流圆形连接器

- 接口尺寸符合GJB599-1993(MIL-DTL-38999)标准;
- 连接方式: 三头螺纹;
- 接触件数目: 1~99芯;
- 工作电流: 5~200A;
- 工作电压: 400V~1000V

详见《军用圆形连接器》选用手册

### J599 Series Big Current Circular connectors

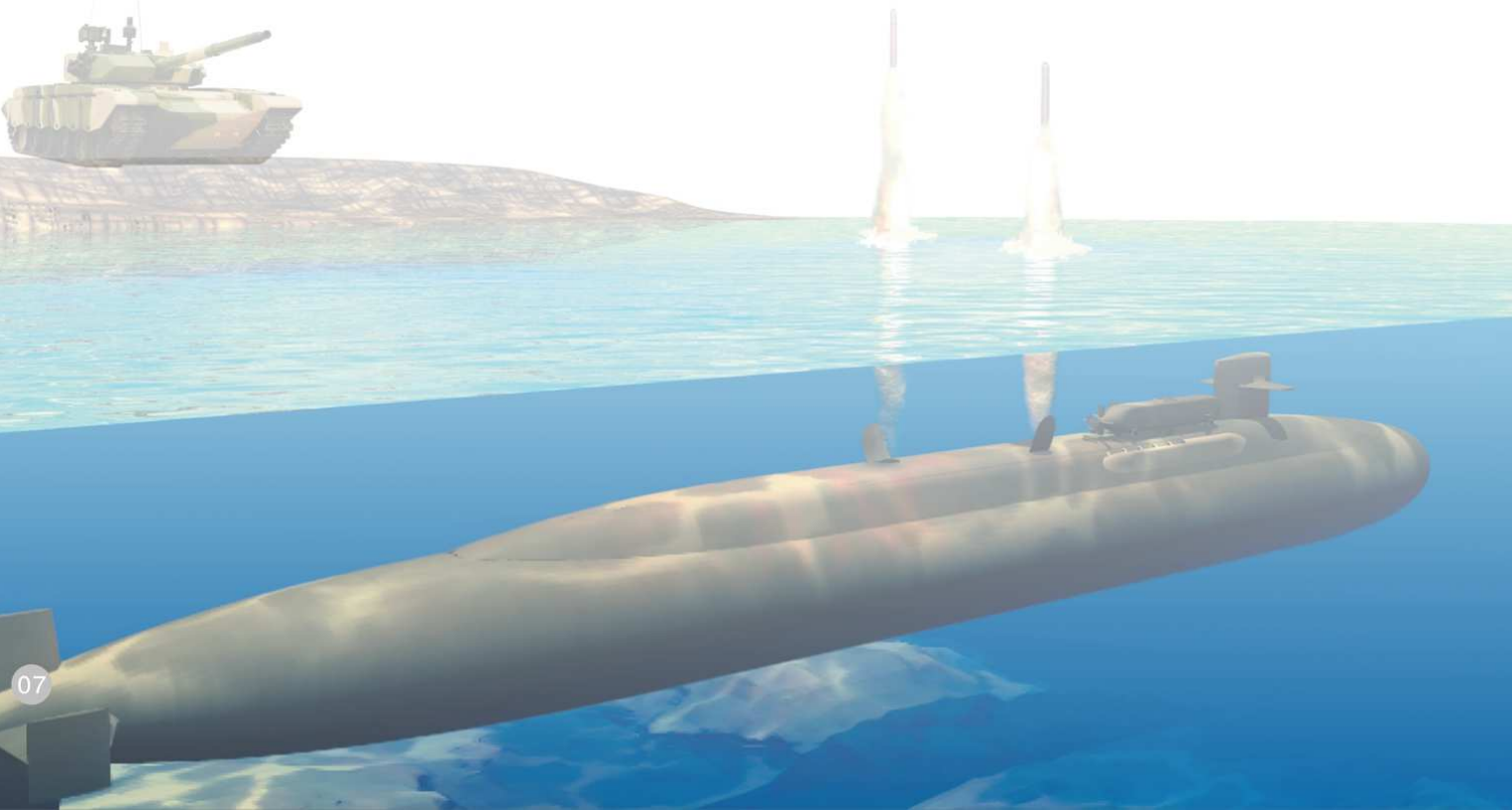
- Conform to GJB599-1993 (MIL-DTL-38999) standard
- Joint type: three thread
- Contact pin: 1~99 pins
- Working current: 5~200A
- Working voltage: 400V~1000V

The detail refer to the manual of Military Circular Connector



## 军工领域互连系统

Military industry interconnect system





# 军用通用高可靠连接器

## Military Universal High Reliability Connectors



### YB系列圆形连接器

- 符合GJB598A-96(MIL-DTL-26482)标准;
- 连接方式: 卡口连接;
- 端接方式: 焊线、焊板、导线压接;
- 接触件数目: 2~61芯
- 工作电压: 600~1000V
- 工作电流: 3A~23A

详见《军用圆形连接器》选用手册

### YB Series Circular connector

- Conform to GJB598A-96 (MIL-DTL-26482) standard
- Joint type: buckle connection
- Terminal connection: wire welding, PCB welding, wire crimping
- Contact pin: 2~61 pins
- Working voltage: 600~1000V
- Working Current: 3A~23A

The detail refer to the manual of Military Circular Connector



### EN2997耐高温航空发动机连接器

- 符合ASD Cert En2997及ESC标准的要求;
- 与苏里奥 (SOURIAU) 同系列产品完全等位替换;
- 耐高温达260℃;
- 自锁耦合机构可抵抗剧烈震动;
- 耐盐雾时间高达500小时;
- 连接方式: 螺纹连接;

详见《EN2997耐高温航空发动机连接器》选用手册

### EN2997 Anti Hi Temperature Connector for Aviation Motor

- Conform to ASD Cert EN2997 & ESC standard
- Be able to equipotentially replace all the same series products with Souriau
- Anti hi temperature: 260 °C
- Anti violent vibration with Self-locking & coupling
- Resistance of salt spray: 500 hrs
- Joint type: thread connection

detail refer to the manual of EN2997 Anti Hi Temperature Connector for Aviation Motor



### QS1(XC)系列圆形连接器

- 符合GJB2889标准; 插孔为双曲面线簧;
- 连接方式: 卡口连接;
- 端接方式: 焊线、导线压接;
- 接触件数目: 1~62芯;
- 工作电压: 500V;
- 工作电流: 5A~40A;

详见《军用圆形连接器》选用手册

### XC Series Circular connector

- Conform to GJB2889 standard, the hyperboloid spring socket
- Joint type: buckle connection
- Terminal connection: wire welding, wire crimping
- Contact pin: 1~62 pins
- Working voltage: 500V
- Working Current: 5A~40A

The detail refer to the manual of Military Circular Connector



### ARINC600(J6M)系列机架与面板用连接器

- 符合ARINC600标准;
- 与苏里奥 (SOURIAU) 同系列产品完全等位替换;
- 接触件密度高达800个22#信号接触件, 56个8#同轴接触件;

详见《Arinc600系列机架与面板用连接器》选用手册

### Arinc600(J6M) Series Connector For Rack & Panel

- Conform to Arinc600 standard
- Be able to equipotentially replace all the same series products with Souriau
- Contact pin: up to 800 pins of 22# signal contact or 56 pins of 8# coaxial contact

the detail refer to the manual of Arinc 600 Series Connector For Rack & Panel



### J599B系列圆形连接器

- 符合MIL-DTL-38999标准;
- 与苏里奥 (SOURIAU) 同系列产品完全等位替换;
- 连接方式: 三头螺纹;
- 接触件数目: 1~128芯;
- 工作电压: 400~1000V;
- 工作电流: 5A~80A;

### J599B Series Circular connector

- Conform to MIL-DTL-38999 standard;
- Be able to equipotentially replace all the same series products with Souriau
- Joint type: three thread
- Contact pin: 1~128 pins
- Working voltage: 400~1000V
- Working current: 5A~80A

### J142系列矩形连接器

- 符合GJB142A-94(MIL-DTL-24308)标准;
- 有多种接触件, 可传输低频、高频信号和电源连接;
- 端接方式: 焊线、导线压接、焊板、免焊柔性压板;
- 接触件数目: 9~50芯, 电源2~8芯;
- 额定工作电压: 300~500V;
- 工作电流: 1A~30A;

详见《军用矩形连接器》选用手册

### J142 Series Rectangular connector

- Conform to GJB142A-94(MIL-DTL-24308)standard
- Multi contact , be able to transmit low frequency, hi frequency signal and connect power source
- Terminal connection: wire welding, PCB welding, wire crimping, soldering free flexible plate;
- Contact pin: 9~50 pins, power source: 2~8 pins
- Working voltage: 300~500V
- Working current: 1A~30A

The detail refer to the manual of Military Rectangular Connector



### J599B系列复合材料圆形连接器

- 符合MIL-DTL-38999标准;
- 与苏里奥 (SOURIAU) 同系列产品完全等位替换;
- 连接方式: 三头螺纹;
- 接触件数目: 1~128芯;
- 工作电压: 400~1000V;
- 工作电流: 5A~80A;

### J599B Series Composite Circular connector

- Conform to MIL-DTL-38999 standard;
- Be able to equipotentially replace all the same series products with Souriau
- Joint type: three thread
- Contact pin: 1~128 pins
- Working voltage: 400~1000V
- Working current: 5A~80A

### 射频同轴连接器

- 符合GJB681A标准;
- 有2.92、SMPM、SMP、SMA、SMB、BMA、BNC、TNC、MCX、MMCX等系列;
- 最高频率达60GHz;

详见《射频同轴连接器》选用手册

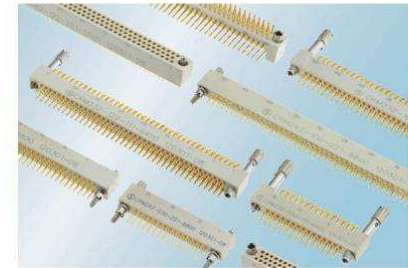
### RF Coaxial Connector

- Conform to GJB681A standard
- There have many series : 2092, SMPM, SMP, SMA, SMB, BMA, BNC, TNC, MCX, MMCX etc.
- The top high frequency: 60GHz

The detail refer to the manual of RF Coaxial Connector



## 军用通用高可靠连接器 Military Universal High Reliability Connectors



### CRM系列线簧孔印制板连接器

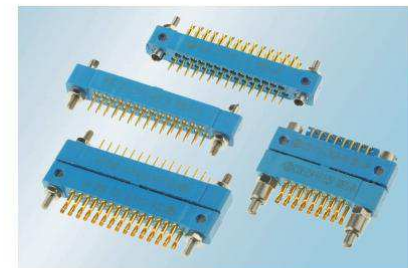
- 符合MIL-DTL-55302标准;
- 插孔为 $\Phi 0.635\text{mm}$ 双曲面线簧, 间距和排距为1.905mm;
- 具有防误插和锁紧功能;
- 端接方式: 焊线、焊板;
- 接触件数目: 10~206芯;
- 额定工作电压: 200V;
- 工作电流: 3A;

详见《军用印制板连接器》选用手册

### CRM Series PCB Connector with Wire Spring Socket

- Conform to MIL-DTL-55302 standard
- Hyperboloid Spring with the socket  $\Phi 0.635\text{mm}$ , space 1.905mm
- Anti missing and locking
- Terminal connection: wire welding, PCB welding;
- Contact pin: 10~206 pins
- Working voltage: 200V
- Working current: 3A

The detail refer to the manual of Military PCB Connector



### CS类线簧孔印制板连接器

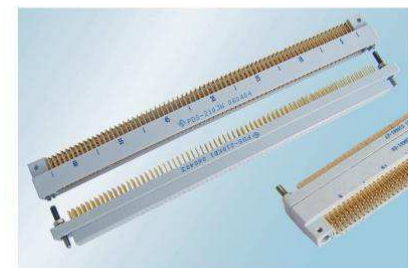
- 符合GJB1438(MIL-DTL-55302)标准;
- 插孔为双曲面线簧; 间距有2.54mm、3.81mm、5.08mm、6mm等;
- 端接方式: 焊线、焊板、压接;
- 接触件数目: 8~280芯;
- 工作电流: 1A~8A;

详见《军用印制板连接器》选用手册

### CS Series PCB Connector with Wire Spring Socket

- Conform to GJB1438(MIL-DTL-55302) standard
- Hyperboloid wire spring socket, spacing 2.54mm, 3.81mm, 5.08mm, 6mm etc.
- Terminal connection: wire welding, PCB welding, Crimping
- Contact pin: 8~280 pins
- Working current: 1A~8A

The detail refer to the manual of Military PCB Connector



### PDS系列线簧孔印制板连接器

- 符合GJB1438(MIL-DTL-55302)标准;
- 插孔为双曲面线簧; 间距2.54mm;
- 端接方式: 焊线、焊板;
- 接触件数目: 45~350芯;
- 额定工作电压: 300V;
- 工作电流: 2.25A、3A;

详见《军用印制板连接器》选用手册

### PDS Series PCB Connector with Wire Spring Socket

- Conform to GJB1438(MIL-DTL-55302) standard
- Hyperboloid wire spring socket, spacing 2.54mm
- Terminal Connection: wire welding, PCB welding
- Contact pin: 45~350 pins
- Working voltage: 300V
- Working current: 2.25A, 3A

The detail refer to the manual of Military PCB Connector

## 军用通用微形高可靠连接器 Universal micro high reliability connectors



### Micro3899系列微圆形连接器

- 符合MIL-DTL-38999标准的小型化产品;
- 采用3#、5#、7#壳体;
- 连接方式: 卡口、螺纹、推拉连接;
- 接触件数量: 3~9芯;
- 耐压: 400~1000V;
- 工作电流: 3A、5A;

详见《军用圆形连接器》选用手册

### Micro3899 Series Micro Circular connector

- Conform to MIL-DTL-38999 standard, miniature;
- Shell body 3#, 5#, 7#;
- Joint type: buckle, thread, push & pull connection
- Contact pin: 3~9 pins
- Working voltage: 400~1000V
- Working current: 3A, 5A

The detail refer to the manual of Military Circular Connector



### YM系列微圆形连接器

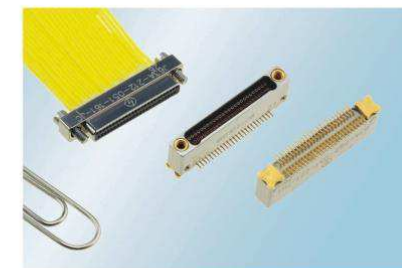
- 性能指标符合GJB2446标准;
- 有普通型(麻花针)、滤波型、四同轴差分型和光纤型连接器;
- 采用04#、06#、08#壳体;
- 连接方式: 卡口连接、螺纹连接;
- 接触件数量: 普通型1~15芯;
- 额定工作电压: 220V;
- 工作电流: 3A、5A、35A;

详见《军用圆形连接器》选用手册

### YM Series Micro Circular connector

- Conform to GJB2446 standard;
- Type: normal (twist pin), filter, four coaxial differential and optical fiber connector
- Shell body 04#, 06#, 08#
- Joint type: buckle, thread
- Contact pin: normal 1~15 pins
- Working voltage: 220V
- Working current: 3A, 5A, 35A

The detail refer to the manual of Military Circular Connector



### J63A系列超微型矩形连接器

- 符合GJB7245-2011标准;
- 采用 $\Phi 0.25\text{mm}$ 高可靠麻花针接触件, 间距0.635mm, 排距1.27mm;
- 端接方式: 导线压接、焊板、表贴;
- 接触件数量: 9~69芯。
- 耐压: 250V;
- 工作电流: 1A;

详见《军用矩形连接器》选用手册

### J63A Series Ultra Micro Rectangular Connector

- Conform to GJB7245-2011 standard
- Hi reliable twist contact with  $\Phi 0.25\text{mm}$ , spacing 0.635mm, array pitch 1.27mm
- Terminal connection: wire crimping, PCB welding, surface mounting
- Contact pin: 9~69 pins
- Working voltage: 250V
- Working current: 1A

The detail refer to the manual of Military Rectangular Connector



### J29A系列微矩形连接器

- 产品性能符合GJB2446标准;
- 采用 $\Phi 0.65\text{mm}$ 高可靠麻花针接触件, 间距1.91mm, 排距1.65mm;
- 端接方式: 焊线、导线压接、焊板;
- 接触件数量: 9~66芯。
- 额定工作电压: 300V;
- 工作电流: 5A;

详见《军用矩形连接器》选用手册

### J29A Series Micro Rectangular connectors

- Conform to GJB2446 standard
- Hi reliable twist pin contact with  $\Phi 0.65\text{mm}$ , spacing 1.91mm, array pitch 1.65mm
- Terminal connection: wire welding, PCB welding, wire crimping
- Contact pin: 9~66 pins
- Working voltage: 300V
- Working current: 5A

The detail refer to the manual of Military Rectangular Connector



## 军用通用微形高可靠连接器

Universal micro high reliability connectors



### J30J系列微矩形连接器

- 符合GJB2446 (MIL-DTL-83513) 标准;
- 金属外壳;
- 采用Φ0.45mm高可靠麻花针接触件, 间距1.27mm, 排距1.1mm;
- 端接方式: 焊线、导线压接、焊板;
- 接触件数量: 9~100芯。
- 额定工作电压: 200V;
- 工作电流: 3A;

详见《军用矩形连接器》选用手册

### J30J Series Micro Rectangular connector

- Conform to GJB2446 (MIL-DTL-83513) standard
- Metal shell
- Hi reliable twist pin contact with Φ0.45mm, Spacing 1.27mm, array pitch 1.1mm
- Terminal connection: wire crimping, wire welding, PCB welding
- Contact pin: 9~100 pins
- Working voltage: 200V
- Working current: 3A

The detail refer to the manual of Military Rectangular Connector



### J30系列微矩形连接器

- 符合GJB2446 (MIL-DTL-83513) 标准;
- 塑料外壳;
- 采用Φ0.45mm高可靠麻花针接触件, 间距1.27mm, 排距1.1mm;
- 端接方式: 焊线、导线压接、焊板、表贴;
- 接触件数量: 9~51芯。
- 额定工作电压: 200V;
- 工作电流: 3A;

详见《军用矩形连接器》选用手册

### J30 Series Micro Rectangular connector

- Conform to GJB2446 (MIL-DTL-83513) standard
- Plastic shell
- Hi reliable twist pin contact with Φ0.45mm, Spacing 1.27mm, array pitch 1.1mm
- Terminal connection: wire crimping, wire welding, PCB welding, surface mounting
- Contact pin: 9~51 pins
- Working voltage: 200V
- Working current: 3A

The detail refer to the manual of Military Rectangular Connector



### J30D系列微矩形连接器

- 参照GJB2446(MIL-DTL-83513)标准;
- 端接方式: 导线焊接、导线压接、焊板;
- 接触件数量: 2~25芯;
- 工作电流: 3A与5A混装、5A、13A;

详见《军用矩形连接器》选用手册

### J30D Series Micro Rectangular connector

- Conform to GJB2446(MIL-DTL-83513) standard
- Terminal connection: wire welding, PCB welding, wire crimping
- Contact pin: 2~25 pins
- Working current: 3A mixed with 5A, 5A, 13A

The detail refer to the manual of Military Rectangular Connector

## 军用高速数据传输微形连接器

High speed data transmission micro connectors



### FLR系列高速总线微圆形连接器

- 参照micro 38999设计;
- 连接方式: 卡口、螺纹、推拉连接;
- 接触件数量: 4、6、8芯;
- 采用同轴对角度分传输, 传输速率1.65Gbps;
- 适用CAN总线、FlexRay总线信号传输;
- 额定工作电压: 125V DC;
- 工作电流: 1A;

详见《军用高速数据传输连接器》选用手册

### FLR Series Micro Circular Connector With Hi Speed Bus

- Refer to micro 38999 design
- Joint type: buckle, thread, push & pull connection
- Contact pin: 4, 6, 8 pins
- Transmission: coaxial, opposite angles, difference
- Transmission speed: 1.65Gbps
- CAN bus, FlexRay bus signal transmission
- Working voltage: 125V DC
- Working current: 1A

The detail refer to the manual of Military Connector With Hi Speed Data Transmission



### J29C系列高速差分微矩形连接器

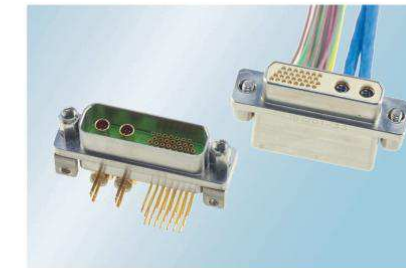
- 符合GJB2446标准总规范;
- 采用四同轴差分接触件, 传输速率1.65Gbps;
- 接触件数量: 2~8芯;
- 额定工作电压: 125V;
- 工作电流: 1A;

详见《军用高速数据传输连接器》选用手册

### J29C Micro Rectangular Connector With Hi Speed differential

- Conform to GJB2446 standard
- Four coaxial differential contact, transmission speed 1.65Gbps
- Contact pin: 2~8 pins
- Working voltage: 125V
- Working current: 1A

The detail refer to the manual of Military Connector With Hi Speed Data Transmission



### J30C系列高速差分微矩形连接器

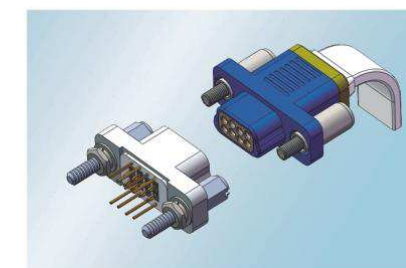
- 符合GJB2446标准总规范;
- 采用四同轴差分接触件, 传输速率1.65Gbps;
- 体积比J29C更小, 重量更轻;
- 额定工作电压: 125V;
- 工作电流: 1A;

详见《军用高速数据传输连接器》选用手册

### J30C Micro Rectangular Connector With Hi Speed differential

- Conform to GJB2446 standard
- Four coaxial differential contact, transmission speed 1.65Gbps
- Smaller and lighter than J29C
- Working voltage: 125V
- Working current: 1A

The detail refer to the manual of Military Connector With Hi Speed Data Transmission



### JH系列高速差分微矩形连接器

- 可传输千兆网络、1553B、1394、USB、DVI、HDMI、LVDS等各种高速信号及光信号;
- 具有小型化、耐环境、抗冲击振动等特点;
- 可实现多信号混合传输及各种安装锁紧和端接方式;
- 传输速率: 1.65Gbps, 6.25Gbps;

详见《军用高速数据传输连接器》选用手册

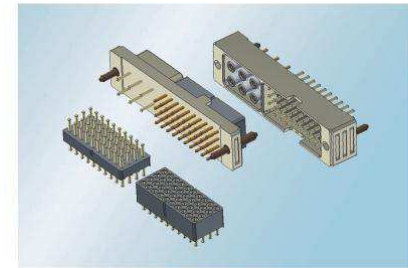
### JH Micro Rectangular Connector With Hi Speed differential

- Meet the transmission requirement for gigabit network, 1553B, 1394, USB, DVI, HDMI, LVDS etc. hi speed signal or optical signal
- Miniature, environment resistance anti striking vibration
- Multi signal mixed transmission, all kinds of locking and terminal connection
- Transmission speed: 1.65Gbps, 6.25Gbps

The detail refer to the manual of Military Connector With Hi Speed Data Transmission



## 军用高速数据传输微形连接器 High speed data transmission micro connectors

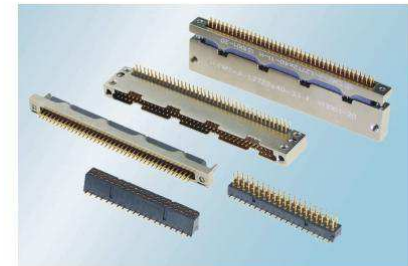


### CN系列2mm间距板间微型连接器

- 低矮PCB连接器，支持多层PCB叠插；
- 塑料外壳系列和金属加固系列；
- 可混装射频和高压接触件；
- 板间距：最小7.5mm；
- 传输速率：0~2.5Gbps；
- 接触件数量：1~120芯；
- 额定工作电压：200V；
- 工作电流：3A；

### CN Series PCB Micro Connector with spacing 2 mm between pins

- Low PCB connector, support multi layer PCB
- Plastic shell series and metal enforced series
- Be mixed with RF and hi voltage contact
- PCBs minimum spacing :7.5mm
- Transmission speed: 0~2.5Gbps
- Contact pin: 1~120 pins
- Working voltage: 200V
- Working current: 3A



### CM系列1.27mm间距板间微型连接器

- 超低矮PCB连接器，支持多层PCB叠插；
- 有塑料外壳系列和金属加固系列；
- 板间距：最小6mm；
- 叠插层间距：4.5mm~9.5mm；
- 传输速率：0~1.25Gbps；
- 接触件数量：1~200芯；
- 额定工作电压：200V；
- 工作电流：1.5A；

### CM Series PCB Micro Connector with spacing 1.27 mm between pins

- Super low PCB connector with multi layer PCB supported
- Plastic shell series or metal enforced series
- PCBs minimum spacing 6mm
- Spacing for multi layer PCB 4.5mm~9.5mm
- Transmission speed: 0~1.25Gbps
- Contact pin: 1~200pins
- Working voltage: 200V
- Working current: 1.5A

详见《军用高速数据传输连接器》选用手册

The detail refer to the manual of Military Connector With Hi Speed Data Transmission

## 军用高速数据传输连接器 High speed data transmission connectors



### J599系列高速差分圆形连接器

- 接口尺寸符合GJB599标准；
- 符合型谱标准XP30036-2009；
- 采用四同轴差分接触件，传输速率1.65Gbps；
- 接触件数量：1~54芯；
- 额定工作电压：125V；
- 工作电流：1A；

### J599 Series Circular Connector With Hi Speed Differential

- Conform to GJB599 standard
- Conform to XP30036-2009 spectrum standard
- Four coaxial differential contact with transmission speed 1.65Gbps
- Contact pin: 1~54 pins
- Working voltage: 125V
- Working current: 1A

详见《军用高速数据传输连接器》选用手册

The detail refer to the manual of Military Connector With Hi Speed Data Transmission



### YW系列高速网络圆形连接器

- 符合GJB7179-2011标准；
- 内置网络接口：RJ45、USB、Mini USB、1394等；
- 连接方式：卡口式、三头螺纹式；
- 端接形式：导线焊接、压接和基板焊接；
- 额定工作电压：150V(RJ45)、30V(USB)、40V(1394)；
- 工作电流：1.5A(RJ45/1394)、1A(USB)；

### YW Series Circular Connector With Hi Speed Network

- Conform to GJB7179-2011 standard
- Built in network jack for RJ45, USB, Mini USB, 1394 etc.
- Joint type: buckle, three thread
- Terminal connection: wire welding, wire crimping or PCB welding
- Working voltage: 150V(RJ45), 30V(USB), 40V(1394)
- Working current: 1.5A(RJ45/1394), 1A (USB)

详见《军用高速数据传输连接器》选用手册

The detail refer to the manual of Military Connector With Hi Speed Data Transmission



### JVPX系列加固型高速背板连接器

- 应用于VITA46总线系统；
- 满足6U和3U背板同时，集射频模块、光纤模块、电源模块于一体，实现高集成混合模块；
- 连接器全面金属框架加固；
- 差分传输速率6.25Gbps；
- 射频频率40GHz；电源模块电流16A

### JVPX Series Enforced Hi Speed Backplane Connector

- Applied to VITA46 bus system
- Meet the requirement of 6U and 3U Backplane as well as integrate RF Module, optical module and power source module into one hi Integration mixed module
- Full metal rack enforced
- Differential transmission speed 6.25Gbps
- RF frequency 40GHz, current for the power source module 16A

详见《军用高速数据传输连接器》选用手册

The detail refer to the manual of Military Connector With Hi Speed Data Transmission



### LRM系列高速背板模块化连接器

- 航空电子模块标准连接器；
- 集差分模块、射频模块、光纤模块、电源模块于一体，实现高集成混合模块；
- 具有静电放电和ESD保护功能；
- 差分模块传输速率3.125Gbps；
- 射频频率40GHz；电源电流16A；

### LRM Series Hi Speed Backplane modularized Connector

- Conform to electronic module standard
- Hi integration mixed module with differential module, RF module, optical module, power source module integrated
- Electrostatic discharge and ESD protection
- Differential module transmission speed 3.125Gbps
- RF frequency 40GHz, power source current 16A

详见《军用高速数据传输连接器》选用手册

The detail refer to the manual of Military Connector With Hi Speed Data Transmission



## 军用高速数据传输连接器

High speed data transmission connectors



### MLRM系列高速背板模块化连接器

- 航空电子模块标准连接器;
- 集差分模块、射频模块、光纤模块、电源模块于一体, 实现高集成混合模块;
- 比LRM系列体积小, 接触件密度更高;
- 差分模块传输速率6.25Gbps;
- 射频频率40GHz; 电源电流16A;

详见《军用高速数据传输连接器》选用手册

### MLRM Series Hi Speed Backplane modularized Connector

- Conform to electronic module standard
- Hi integration mixed module with differential module, RF module, optical module, power source module integrated
- Smaller than LRM series, and higher density than contact
- Differential module transmission speed 6.25Gbps
- RF frequency 40GHz, power source current 16A

The detail refer to the manual of Military Connector With Hi Speed Data Transmission



### J599-MT系列光纤连接器

- 插入损耗:  $\leq 0.8\text{dB}$
- 工作温度:  $-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$
- 震动: 频率10-2000Hz,  $0.06\text{g}^2/\text{Hz}$
- 冲击: 加速度 $490\text{m/s}^2$ , 持续时间11ms
- 机械寿命: 500次
- 光纤通道: 12-96芯

### J599-MT Series Optical Fiber Connector

- Insertion Loss:  $\leq 0.8\text{dB}$
- Working temperature:  $-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$
- Vibration: frequency 10-2000Hz,  $0.06\text{g}^2/\text{Hz}$
- Punching: acceleration  $490\text{m/s}^2$ , continuing time 11ms
- Mechanical endurance: 500 circles
- Optical fiber channel: 12-96 pins



### J29M系列模块化连接器

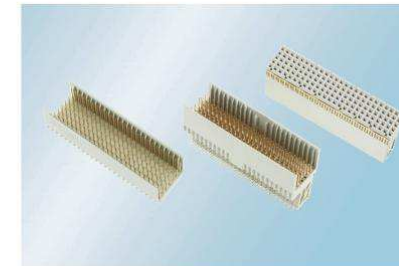
- 是一款小型轻量化框架式机柜连接器;
- 集差分模块、射频模块、光纤模块、电源模块于一体, 实现高集成混合模块;
- 具备多级浮动、多种锁紧功能;
- 差分模块传输速率1.65Gbps;
- 射频频率40GHz; 电源电流13A-46A;

详见《军用高速数据传输连接器》选用手册

### J29M Series Modularized Connector

- A mini light weight frame connector for cabinet
- Hi integration mixed module with differential module, RF module, optical module, power source module integrated
- multi float, multi locking
- Differential module transmission speed 1.65Gbps
- RF frequency 40GHz, power source current 13A-46A

The detail refer to the manual of Military Connector With Hi Speed Data Transmission



### HM2系列高速背板连接器

- 符合IEC61076-4-101标准, 用于CPCI总线;
- 接触件间距和排距为2.0mm;
- 传输速率1.25Gbps;
- 端接方式: PCB柔性压入;
- 额定工作电压: 150V;
- 工作电流: 1A(信号), 40A(电源);

详见《高速背板连接器》选用手册

### HM2 Series High Speed Backplane connector

- Conform to IEC61076-4-101 standard, CPCI bus
- Contact spacing and array pitch 2.0mm
- Transmission speed 1.25Gbps
- Terminal connection: PCB flexible press-in
- Working voltage: 150V
- Working current: 1A(signal), 40A(power source)

The detail refer to the manual of Hi Speed Backplane Connector



### MA系列框架式小型矩形连接器

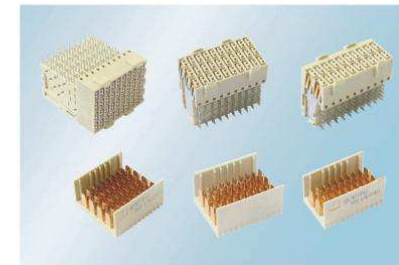
- MA系列是Micro-ARINC框架式小型连接器, 比ARINC产品轻40%;
- 多腔体设计, 每个腔体可独立选择安装由多种接触件组成的模块(低频、高频、差分、光纤和气路);
- 头座多级浮动、多种锁紧安装, 具有抗电磁干扰、密封防水等特点;
- 差分模块传输速率1.65Gbps;
- 射频频率40GHz; 气路气压25MPa;

详见《军用高速数据传输连接器》选用手册

### MA Series Micro-ARINC connector

- Micro-ARINC, micro frame style, lighter 40% than ARINC
- Multi cavity design, each cavity can be fixed independently with the module which is composed of multi contact (LF, HF, Difference optic, air circuit)
- multi float, multi locking, anti-electromagnetic interference, sealing and water proof
- Differential module transmission speed 1.65Gbps
- RF frequency 40GHz, air circuit air pressure 25 Mpa

The detail refer to the manual of Military Connector With Hi Speed Data Transmission



### ZD系列高速背板连接器

- 采用IEC61076-4-101标准中的模块化结构;
- 用于CPCIE总线;
- 采用独立的带屏蔽结构的差分对设计, 传输速率5Gbps;
- 端接方式: PCB柔性压入;
- 额定工作电压: 250V;
- 工作电流: 1A;

详见《高速背板连接器》选用手册

### ZD Series High Speed Backplane connector

- Conform to IEC61076-4-101 standard
- CPCIE bus
- Independent differential pair with shielding structure
- Transmission speed 5Gbps
- Terminal connection: PCB flexible press-in
- Working voltage: 250V
- Working current: 1A

The detail refer to the manual of Hi Speed Backplane Connector



### PLCC 并行光模块

- MPO、MT带尾纤接口, 尾纤长度可选
- 传输波长: 850nm
- 典型传输速率10.3125G可向下兼容到1.25G
- 传输距离可到100m (OM3 MMF)、150m (OM4 MMF)
- 3.3V单电源供电, 低功耗
- 带数字诊断功能
- 工业级温度范围:  $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$
- 低的电磁辐射, 优良的ESD防护
- PLCC36、PLCC48、PLCC64三个系列

详见《光通讯模块》选用手册

### PLCC Parallel Optical Module

- MPO, MT with tail fiber interface, the length optional
- Transmission wavelength: 850nm
- Standard transmission velocity 10.3125G and downward compatible to 1.25G
- Transmission distance: 100m(OM3 MMF), 150m (OM4 MMF)
- 3.3V single power supply, low consumption
- Digital diagnostic
- Industrial temperature:  $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$
- Low electromagnetic radiation, excellent ESD protection
- 3 series: PLCC36, PLCC48, PLCC64

The detail is refer to the manual of Optical Telecom Module



# 军用抗电磁干扰滤波、防雷电连接器

## Anti electromagnetic interference filter and lightning protection connectors

详见《电磁防护滤波/防雷连接器》选用手册

The detail refer to the manual of Electromagnetic Proof Filter/Anti-thunder Connector



### J599L系列圆形滤波连接器

- 符合GJB599-93(MIL-DTL-38999)标准;
- 连接方式: 三头螺纹、卡锁连接;
- C型或π型滤波电路;
- 电容量根据信号特性定制;
- 端接方式: 焊线、焊板;
- 接触件数目: 1~128芯;
- 额定工作电压: 200V DC;
- 工作电流: 2A~17A;

### J599L Series Circular Filter connector

- Conform to GJB599-93(MIL-DTL-38999) standard
- Joint type: three thread, buckle locking connection
- C type or π type filter circuit
- Customized capacity according to the signal
- Terminal connection: wire welding, PCB welding
- Contact pin: 1~128 pins
- Working voltage: 200V DC
- Working current: 2A~17A



### DYLB系列滤波连接器

- 接口符合GJB599-93(MIL-C-38999)标准;
- 将连接器与电源滤波器集成为一体, 解决二次连接引入的干扰, 减小了器件对设备的空间占用。
- 在100KHz~2000MHz宽频带内具有优异的共模和差模损耗、EMC电磁兼容和抗EMP瞬态脉冲性能, 满足GJB151A-97中CE102的要求。
- 额定工作电压: 250V AC、100V~500V DC
- 工作电流: 3A~16A AC、2A~30A DC

### DYLB Series Filter connector

- Conform to GJB599-93(MIL-C-38999) standard
- The integration of power source filter avoid the interference of second connection and save the part space
- Within the frequency width 100KHz~2000MHz, the excellent common mode & differential mode loss, EMC and anti EMP instant electromagnetic pulse, conform to GJB151A-97(CE102) standard
- Working voltage: 250V AC, 100V-500V DC
- Working current: 3A~16A AC, 2A~30A DC

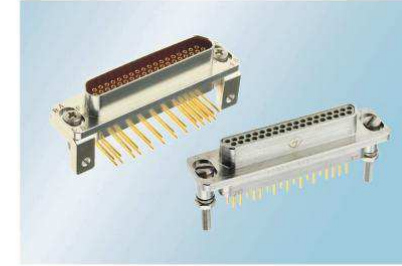


### JYL系列圆形滤波连接器

- 符合GJB599-93(MIL-DTL-38999)标准;
- 连接方式: 卡口连接;
- C型或π型滤波电路;
- 电容量根据信号特性定制;
- 端接方式: 焊线、焊板;
- 接触件数目: 1~128芯;
- 额定工作电压: 200V DC;
- 工作电流: 2A~17A;

### JYL Series Circular Filter connector

- Conform to GJB599-93(MIL-DTL-38999) standard
- Joint type: buckle connection
- C type or π type filter circuit
- Customized capacity according to the signal
- Terminal connection: wire welding, PCB welding
- Contact pin: 1~128 pins
- Working voltage: 200V DC
- Working current: 2A~17A



### J29L系列微矩形滤波连接器

- 符合GJB2446 (MIL-DTL-83513) 标准;
- C型、π型或L型滤波电路;
- 电容量根据信号特性定制;
- 接触件间距1.91x1.65mm;
- 端接方式: 焊线、焊板;
- 接触件数量: 9~66芯;
- 额定工作电压: 200V DC;
- 工作电流: 5A;

### J29L Series Micro Rectangular Filter connector

- Conform to GJB2446(MIL-DTL-83513) standard
- C type or π type filter circuit
- Customized capacity according to the signal
- Contact spacing: 1.91×1.65mm
- Terminal connection: wire welding, PCB welding
- Contact pin: 9~66 pins
- Working voltage: 200V DC
- Working current: 5A



### YBL系列圆形滤波连接器

- 符合GJB598A-96(MIL-DTL-26482)标准;
- 连接方式: 卡口连接;
- C型或π型滤波电路;
- 电容量根据信号特性定制;
- 端接方式: 焊线、焊板;
- 接触件数目: 2~61芯;
- 额定工作电压: 200V DC;
- 工作电流: 3A、7.5A、17A;

### YBL Series Circular Filter connector

- Conform to GJB598A-96(MIL-DTL-26482) standard
- Joint type: buckle connection
- C type or π type filter circuit
- Customized capacity according to the signal
- Terminal connection: wire welding, PCB welding
- Contact pin: 2~61 pins
- Working voltage: 200V DC
- Working current: 3A, 7.5A, 17A



### J30L系列微矩形滤波连接器

- 符合GJB2446 (MIL-DTL-83513) 标准;
- C型、π型或L型滤波电路;
- 电容量根据信号特性定制;
- 接触件间距1.27x1.1mm;
- 端接方式: 焊线、焊板、表贴、键合;
- 接触件数量: 9~37芯;
- 额定工作电压: 100V DC;
- 工作电流: 2A;

### J30L Series Micro Rectangular Filter connector

- Conform to GJB2446(MIL-DTL-83513) standard
- C type or π type filter circuit
- Customized capacity according to the signal
- Contact spacing: 1.27×1.1mm
- Terminal connection: wire welding, PCB welding, surface mounting, bonding
- Contact pin: 9~37 pins
- Working voltage: 100V DC
- Working current: 2A



### YML系列圆形滤波连接器

- 采用04#、06#、08#壳体;
- 连接方式: 卡口连接;
- C型或π型滤波电路;
- 电容量根据信号特性定制;
- 接触件数量: 普通型1~15芯;
- 额定工作电压: 100V DC、250V DC;
- 工作电流: 3A、5A、35A;

### YML Series Circular Filter connector

- Shell type: 04#, 06#, 08#
- Joint type: buckle connection
- C type or π type filter circuit
- Customized capacity according to the signal
- Contact pin: normal 1~15 pins
- Working voltage: 100V DC, 250V DC
- Working current: 3A, 5A, 35A



### J32HL系列气密封滤波连接器

- 插座为玻璃密封, 压差100KPa时泄漏率 ≤0.1Pa cm<sup>3</sup>/s;
- C型或π型滤波电路;
- 电容量根据信号特性定制;
- 端接方式: 焊线、焊板、键合;
- 插头插座插合自动锁紧;
- 孔式接触件, 间距1.27x1.1mm;
- 接触件数量: 9~37芯;
- 额定工作电压: 50V DC;
- 工作电流: 3A;

### J32HL Series Air-tight Seal Filter Connector

- Glass seal socket, leakage rate ≤0.1Pa cm<sup>3</sup>/s
- C type or π type filter circuit
- Customized capacity according to the signal
- Terminal connection: wire welding, PCB welding, bonding
- Auto locking for plug, socket
- Cellular contact, spacing 1.27×1.1mm
- Contact pin: 9~37 pins
- Working voltage: 50V DC
- Working current: 3A



## 军用抗电磁干扰滤波、防雷电连接器

Anti electromagnetic interference filter and lightning protection connectors

详见《电磁防护滤波/防雷连接器》选用手册

The detail refer to the manual of Electromagnetic Proof Filter/Anti-thunder Connector



### J32MHL系列气密封滤波连接器

- 插座为玻璃密封, 压差100KPa时泄漏率 $\leq 0.1\text{Pa cm}^3/\text{s}$ ;
- C型或 $\pi$ 型滤波电路;
- 容量根据信号特性定制;
- 端接方式: 焊线、焊板、表贴、键合;
- 针式接触件, 间距1.27x1.1mm;
- 接触件数量: 9~37芯;
- 额定工作电压: 50V DC;
- 工作电流: 3A;

### J32MHL Series Air-tight Seal Filter Connector

- Glass seal socket, leakage rate $\leq 0.1\text{Pa cm}^3/\text{s}$
- C type or  $\pi$  type filter circuit
- Customized capacity according to the signal
- Terminal connection: wire welding, PCB welding, surface mounting, bonding
- Pin type, spacing 1.27x1.1mm
- Contact pin: 9~37 pins
- Working voltage: 50V DC
- Working current: 3A



### J63L系列超微型滤波连接器

- 符合GJB7245-2011标准;
- C型、 $\pi$ 型或L型滤波电路;
- 容量根据信号特性定制;
- 接触件间距0.635x1.27mm;
- 端接方式: 焊板、表贴、键合;
- 接触件数量: 9~69芯;
- 耐压: 100V DC;
- 工作电流: 1A;

### J63L Series Super Micro Filter Connector

- Conform to GJB7245-2011 standard
- C type or  $\pi$  type filter circuit
- Customized capacity according to the signal
- Contact spacing 0.635x1.27mm
- Terminal connection: PCB welding, surface mounting, bonding
- Contact pin: 9~69 pins
- Working voltage: 100V DC
- Working current: 1A



### MLRML系列模块化滤波连接器

- 航空电子模块标准连接器;
- 集差分模块、射频模块、光纤模块、电源模块于一体, 实现高集成混合模块;
- 差分模块传输速率6.25Gbps;
- C型、 $\pi$ 型或L型滤波电路;
- 容量根据信号特性定制;

### MLRML Series Modularized Filter Connector

- Conform to aviation electronics module standard
- Hi integration mixed module integrated in differential module,
- RF module, optic module, power source module together
- Differential module transmission speed: 6.25Gbps
- C type or  $\pi$  type filter circuit
- Customized capacity according to the signal



### DL系列矩形滤波连接器

- 符合GJB142A-94(MIL-DTL-24308)标准;
- C型或 $\pi$ 型滤波电路;
- 容量根据信号特性定制;
- 端接方式: 焊线、焊板、免焊柔性压板;
- 接触件数目: 9~37芯, 电源2~8芯;
- 额定工作电压: 50V~2000V DC;
- 工作电流: 3A, 30A;

### DL Series Filter Rectangular connector

- Conform to GJB142A-94(MIL-DTL-24308) standard
- C type or  $\pi$  type filter circuit
- Customized capacity according to the signal
- Terminal connection: wire welding, PCB welding, free welding flexible press-in
- Contact pin: 9~37 pins, power source 2~8 pins
- Working voltage: 50V~2000V DC
- Working current: 3A, 30A

## 军用气密封连接器

Airtight seal connectors



### J599系列气密封圆形连接器

- 符合GJB599-1993(MIL-DTL-38999)标准;
- 插座为玻璃密封, 压差100KPa时泄漏率 $\leq 0.1\text{Pa cm}^3/\text{s}$ ;
- 连接方式: 三头螺纹、卡锁连接;
- 端接方式: 焊线、焊板;
- 接触件数目: 1~128芯;
- 额定工作电压: 400~1000V;
- 工作电流: 5A~80A;

详见《军用圆形连接器》选用手册

### J599 Series Circular Connector With Air Tight Sealing

- Conform to GJB599-1993(MIL-DTL-38999) standard
- Glass seal socket, when air pressure difference 100KPa, leakage rate $\leq 0.1\text{Pa cm}^3/\text{s}$
- Joint type: three thread, buckle locking connection
- Terminal connection: wire welding, PCB welding,
- Contact pin: 1~128 pins
- Working voltage: 400~1000V
- Working current: 5A~80A

The detail refer to the manual of Military Circular Connector



### JY系列气密封圆形连接器

- 符合GJB599-1993(MIL-DTL-38999)标准;
- 插座为玻璃密封, 压差100KPa时泄漏率 $\leq 0.1\text{Pa cm}^3/\text{s}$ ;
- 连接方式: 卡口连接;
- 端接方式: 焊线、焊板;
- 接触件数目: 1~128芯;
- 额定工作电压: 400~1000V;
- 工作电流: 5A~80A;

详见《军用圆形连接器》选用手册

### JY Series Circular Connector With Air Tight Sealing

- Conform to GJB599-1993(MIL-DTL-38999) standard
- Glass seal socket, when air pressure difference 100KPa, leakage rate $\leq 0.1\text{Pa cm}^3/\text{s}$
- Joint type: buckle connection
- Terminal connection: wire welding, PCB welding,
- Contact pin: 1~128 pins
- Working voltage: 400~1000V
- Working current: 5A~80A

The detail refer to the manual of Military Circular Connector



### YB系列气密封圆形连接器

- 符合GJB598A-96(MIL-DTL-26482)标准;
- 插座为玻璃密封, 压差100KPa时泄漏率 $\leq 0.1\text{Pa cm}^3/\text{s}$ ;
- 连接方式: 卡口连接;
- 端接方式: 焊线、焊板;
- 接触件数目: 2~61芯;
- 额定工作电压: 600~1000V;
- 工作电流: 3A~23A;

详见《军用圆形连接器》选用手册

### YB Series Circular Connector With Air Tight Sealing

- Conform to GJB598A-96(MIL-DTL-26482) standard
- Glass seal socket, when air pressure difference 100KPa, leakage rate $\leq 0.1\text{Pa cm}^3/\text{s}$
- Joint type: buckle connection
- Terminal connection: wire welding, PCB welding,
- Contact pin: 2~61 pins
- Working voltage: 600~1000V
- Working current: 3A~23A

The detail refer to the manual of Military Circular Connector



### J30H系列气密封微矩形连接器

- 符合GJB2446 (MIL-DTL-83513) 标准;
- 插座为玻璃密封, 压差100KPa时泄漏率 $\leq 0.1\text{Pa cm}^3/\text{s}$ ;
- 接触件间距1.27x1.1mm;
- 端接方式: 焊线、焊板、表贴、键合;
- 接触件数量: 9~37芯;
- 额定工作电压: 200V;
- 工作电流: 3A;

详见《军用矩形连接器》选用手册

### J30H Series Micro Rectangular Connector With Air Tight Sealing

- Conform to GJB2446 (MIL-DTL-83513) standard
- Glass seal socket, when air pressure difference 100KPa, leakage rate $\leq 0.1\text{Pa cm}^3/\text{s}$
- Contact spacing 1.27x1.1mm
- Terminal connection: wire welding, PCB welding, surface mounting, bonding
- Contact pin: 9~37 pins
- Working voltage: 200V
- Working current: 3A

The detail refer to the manual of Military Rectangular Connector



## 军用气密封连接器

### Airtight seal connectors



#### J32H1系列气密封微矩形连接器

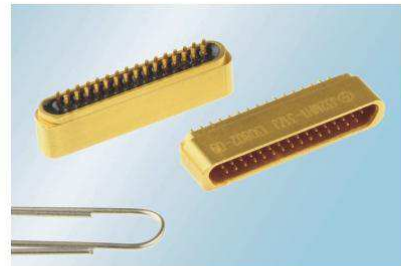
- 插座为玻璃密封，压差100KPa时泄漏率 $\leq 0.1\text{Pa cm}^3/\text{s}$ ;
- 端接方式：焊线、焊板、键合；
- 插头插座插合自动锁紧；
- 孔式接触件，间距 $1.27 \times 1.1\text{mm}$ ；
- 接触件数量：9~37芯；
- 额定工作电压：200V；
- 工作电流：3A；

详见《军用矩形连接器》选用手册

#### J32H1 Series Micro Rectangular Connector With Air Tight Sealing

- Glass seal socket, when air pressure difference 100KPa, leakage rate $\leq 0.1\text{Pa cm}^3/\text{s}$
- Terminal connection: wire welding, PCB welding, bonding
- Auto locking tight when plug in socket
- Cellular contact, pitch spacing  $1.27 \times 1.1\text{mm}$
- Contact pin: 9~37 pins
- Working voltage: 200V
- Working current: 3A

The detail refer to the manual of Military Rectangular Connector



#### J32MH1系列气密封超微矩形连接器

- 插座为玻璃密封，压差100KPa时泄漏率 $\leq 0.1\text{Pa cm}^3/\text{s}$ ;
- 端接方式：焊线、焊板、表贴、键合；
- 针式接触件，间距 $1.27 \times 1.1\text{mm}$ ；
- 接触件数量：9~37芯；
- 额定工作电压：200V；
- 工作电流：3A；

详见《军用矩形连接器》选用手册

#### J32MH1 Series Super Micro Rectangular Connector With Air Tight Sealing

- Glass seal socket, when air pressure difference 100KPa, leakage rate $\leq 0.1\text{Pa cm}^3/\text{s}$
- Terminal connection: wire welding, PCB welding, surface mounting, bonding
- Pin contact, pitch spacing  $1.27 \times 1.1\text{mm}$
- Contact pin: 9~37 pins
- Working voltage: 200V
- Working current: 3A

The detail refer to the manual of Military Rectangular Connector

## 军用特种连接器

### Special connectors



#### YF系列圆形脱落连接器

- 插头插座分离方式有电磁分离、手轮式机械分离、拉线式机械分离、拉杆剪切分离；
- 具有防火焰、密封、电磁屏蔽等功能；

详见《军用圆形连接器》选用手册

#### YF Series Circular Exfoliated Connectors

- Separation for plug & socket: electromagnetic, Hand wheel
- mechanical, pull mechanical, pull-rod shear anti-flame, sealing, electromagnetic shielding

The detail refer to the manual of Military Circular Connector



#### 耐海洋环境圆形连接器

- 符合GJB599-1993(MIL-DTL-38999)标准；
- 连接方式：三头螺纹、卡口连接；
- 适用于在强振、雨淋或风砂的酸性盐雾、酸性大气或霉菌的恶劣环境；
- 接触件数目：1~128芯；
- 额定工作电压：400~1000V
- 工作电流：5A~80A

详见《耐海洋环境连接器》选用手册

#### Marine Environmental Circular connector

- Conform to GJB599-1993(MIL-DTL-38999) standard
- Joint type: three thread, buckle connection
- Applied to strong vibration, raining or wind sand etc. acid salt & fog acid air or mycotic hostile environment
- Contact pin: 1~128 pins
- Working voltage: 400~1000V
- Working current: 5A~80A

The detail refer to the manual of Marine Environmental Circular Connector



#### 深海水密封圆形连接器

- 连接方式：螺纹连接；
- 插座采用玻璃密封；
- 耐静水压力：6.8Mp；
- 接触件数目：2~40芯；
- 耐电压：1000~2300V；
- 工作电流：3A~100A；

详见《耐海洋环境连接器》选用手册

#### Circular Connector with deep sea water sealing

- Joint type: thread connection
- Glass sealing for socket
- Resistance of static water pressure: 6.8Mp
- Contact pin: 2~40 pins
- Resistance of voltage: 1000V~2300V
- Working current: 3A~100A

The detail refer to the manual of Marine Environmental Circular Connector



#### 军用综合电缆网组件

电缆组件主要应用于航空、航天、舰船、兵器、铁路、电子、电源、商用电器等各类军用、民用领域。电缆组件可为整机量身定做，提供完整的连接方案，满足军用设备高端化、综合化、集成化、高密度、轻型化的发展要求。

#### Military Comprehensive Cable Assemblies

The cable assemblies main applied to aviation, space, sea vessel, weapons, rail way, electronics, power source, commercial appliance etc. the cable assemblies may be customized for the complete equipment with full connection solution which meet the development requirement for military equipment hi-end oriented, totalization, integration, hi density and light weighted tend.



## 重点推荐军用连接器

Key recommendation connectors

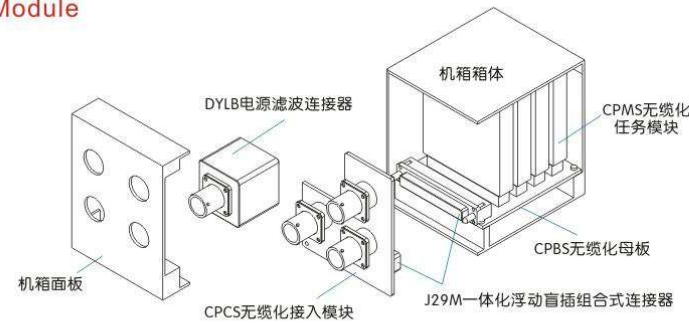
### 军用无缆化接入一体化机箱互连组件

Military Cableless Interconnection Assemblies For Integration Crate

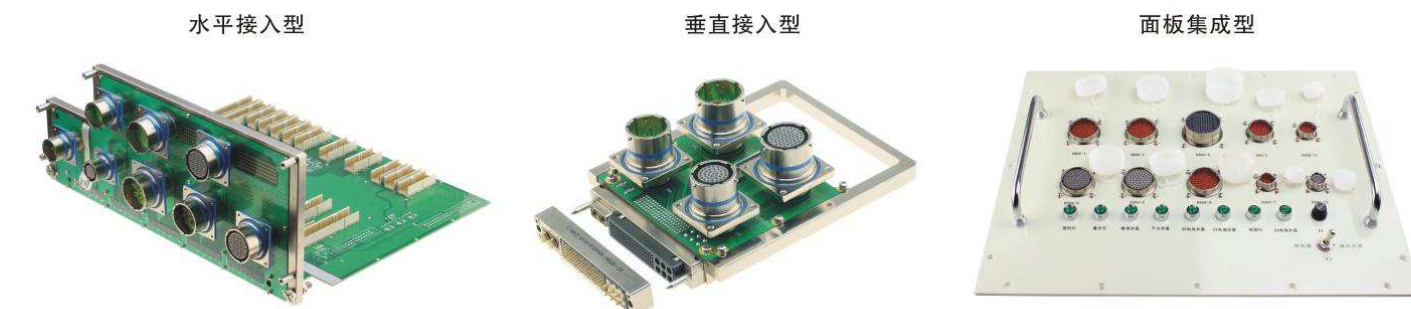
#### CPCS无缆化接入模块 CPCS Cableless Connection Module

军用机箱无缆化接入模块是一种无缆化接入组件，主要用于取代传统的电缆连接实现军用设备机箱面板信号的无缆化接入。由一块高速多层接入印制板以及GJB599标准圆形接口的无缆化浮动安装嵌入式连接器和J29M一体化浮动盲插组合式连接器构成。

主要应用场合：各类军用机箱设备接入面板上，适用于弹载、车载、舰载、机载等平台。



显著优点	CPCS无缆化接入模块	一般连接器方案
高性能	<p>采用浮动技术（独家专利）：弥补设备外壳加工误差，消除安装应力，抗振动冲击性能更强。</p> <p>高速传输技术： 机内板间最大传输速率20Gbps； I/O高速输出传输速率1.65Gbps</p> <p>无线化设计技术： 14余层高速PCB板设计，走线灵活，有效屏蔽和抑制外部及线间干扰</p>	<p>每个连接器单独安装和调试，无系统整体概念，连接器性能降低，存在导线间互扰问题，需单独加装外屏蔽层。</p>
高效率	<p>螺钉安装，一次插合实现整体互连，省略导线布线和焊接等多道工序，减少设备安装调试时间，提高生产效率。</p>	<p>每个连接器需安装、焊接导线，生产周期长，效率低。</p>
体积小	<p>多线路无线化设计，多层高速PCB电路布局，节约因大量导线和夹持导线的尾部附件而挤占的空间，减少原设备1/3的体积和重量。</p>	<p>每个连接器需焊接导线，连接器布局间距增大，线多难布局，连接器需要尾部附件固定导线，空间占用大，重量增加。</p>
免维护	<p>多层高速PCB电路信号传输，布局美观，无故障，无需维护。</p>	<p>每个连接器的焊接点多，焊接难度大，隐患点多，维护时排除问题点难度大。</p>



#### 无缆化模块 Cableless Functional Module

军用机箱无缆化模块是一种无缆化任务模块，主要用于取代传统的分离器件电缆连接的方式，实现机箱内部整体的无缆化。无缆化任务模块由任务模块盒以及符合VITA、CPCI等协议的LRM、MLRM、JVPX等矩形接口和标准的安装锁紧装置组成，可实现快速插拔安装。

主要应用场合：适用于各类军用机箱设备内部，适用于弹载、车载、舰载、机载等平台。



#### 军用无缆化一体机箱 Military Enforced Cabinet

军用无缆化一体机箱专门为恶劣环境下的应用而设计。符合军用ATR机箱、ASAAC机箱标准。机箱内部采取无缆化结构取代传统导线连接机箱，具备重量轻、结构紧凑、电磁兼容性优异、接口标准以及安装、调试、维护简单快捷等优点。产品完全根据客户的需求进行定制开发，定制的内容包括CPCS无缆接入模块、CPBS无缆背板、CPMS无缆任务模块、机箱设计、电源设计、电磁兼容分析、热分布计算与散热设计。

主要应用场合：需要高可靠性和适应复杂的军用环境或野外工业环境，如航空机载、坦克、装甲车、无人机等应用领域。





## 重点推荐军用连接器

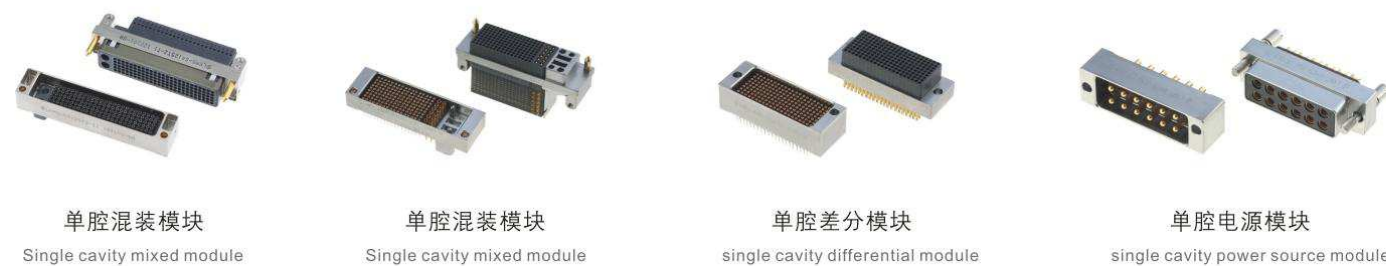
Key recommendation connectors

### LRM系列高速背板模块化连接器

LRM Series Hi Speed Backplane modularized Connector

LRM系列是航空电子模块标准连接器。集差分模块、射频模块、光纤模块、电源模块于一体，实现高集成混合模块。差分模块接触件采用高可靠性、低插拔力的刷式接触件或线簧孔接触件，传输速率0~3.125Gbps；高频模块高频接触件采用浮动式结构，在1mm浮动范围内保证射频传输性能，频率范围0~18GHz，0~40GHz；光纤模块的插入损耗1.5dB。各模块采用法拉第电笼结构，具有静电放电ESD保护功能。

LRM series is the standard connector for aviation electronic module, which is integrated with differential module, RF module, optical module, power source module into one mixed module. The differential module contact is made into brush type or spring roll type with hi liability and easy plug & pull, transmission speed is 0~3.125Gbps. the Hi frequency contact for hi frequency module is made into floating structure which keep RF transmission performance within 1mm floating range and frequency range as 0~18GHz, 0~40GHz. The plug loss for optical module is 1.5dB. All modules have the function of electrostatic discharge and ESD protection due to Faraday cage structure adopted.



### MLRM系列高速背板模块化连接器

MLRM Series Hi Speed Backplane modularized Connector

MLRM系列是LRM系列连接器的升级产品，体积更小，性能更优的微型模块化连接器。是针对机载、舰载、弹载小型化应用的模块化连接器。集差分模块、射频模块、光纤模块、电源模块于一体，实现高集成混合模块。差分模块传输速率6.25Gbps，芯数可多达252芯，可排84对差分；具有更高的抗振动冲击能力，满足恶劣环境的应用。是满足高性能、小体积、轻量化、方便维护的最佳互连解决方案。

MLRM Series connector is the upgraded product from LRM, the volume is smaller, performance is higher. Which mainly applied to airborne, warship borne, missile borne etc. and integrated with differential module, RF module, optical module, power source module into one hi integration mixed module. Differential module transmission speed is 6.25GHz, with up to 252 contact pins, and 84 pairs of difference. MLRM series connector has higher capability for anti vibration and anti punching, can meet the requirement for hostile environment, which is the best interconnect solution with hi performance, small volume, light weight, convenient maintenance.



MLRM与LRM系列的对比: Contrast of MLRM series and LRM series

显著优点	MLRM连接器	LRM连接器
抗振动冲击能力强 Hi performance for anti-vibration and anti-punching	整体式金属框架外壳	分体式金属框架外壳
传输速率更高 Higher transmission speed	采用高速微型多线接触簧爪插孔 1、尺寸比线簧插孔小； 2、比JVPX的单簧片接触件更抗振动冲击，避免JVPX在高温情况下接触力减小的问题。  产品结构的优化设计 差分信号传输速率6.25Gbps	采用线簧插孔或刷式接触件  差分信号传输速率3.125Gbps
射频接触件排布更多、频率更高 The RF contact be distributed much more, much higher frequency	采用16号WMP界面射频接触件 采用国外WMP界面（频率最大可达65GHz）	采用12号SMPM射频接触件
外形更小，重量更轻 Smaller, lighter	MLRM比LRM连接器外形尺寸小三分之一。  <p>LRM插头满装240芯 重量64.19克      MLRM插头满装252芯 重量31.67克</p> <p>LRM插座240芯 重量36.38克      MLRM插座252芯 重量18.16克</p>	



## 重点推荐军用连接器

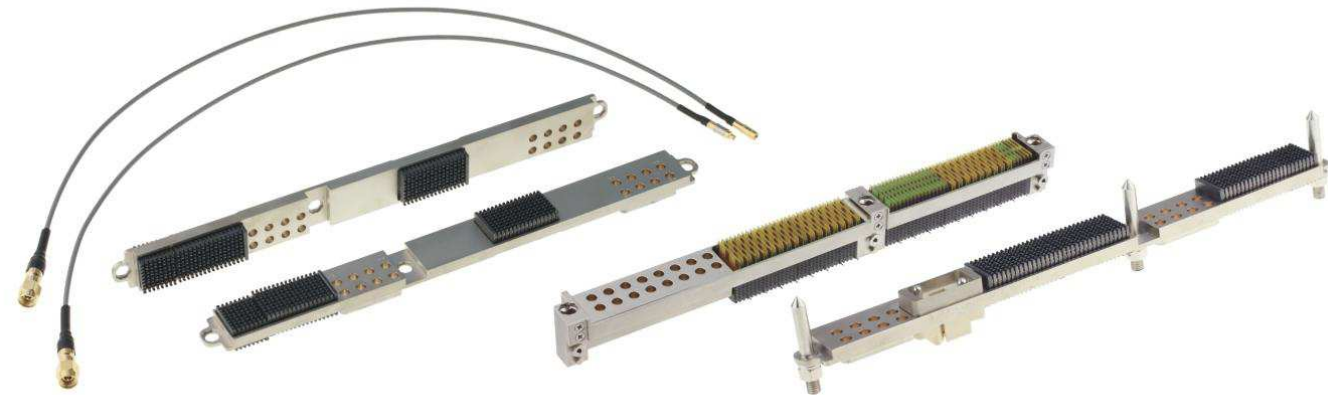
Key recommendation connectors

### JVPX系列加固型高速背板连接器

JVPX Series Enforced Hi Speed Backplane Connector

符合VITA协议的JVPX系列连接器应用于VITA46总线系统，传输速率最大达20Gbps。此连接器在满足6U和3U背板同时，插头插座全面金属框架加固，抗振动冲击能力强，提高接触的可靠性，同时集射频模块、光纤模块、电源模块于一体，实现高集成混合模块。为新一代雷达控制系统，军事信息化、网络化高速传输系统、高速通信领域提供高可靠的互连解决方案。

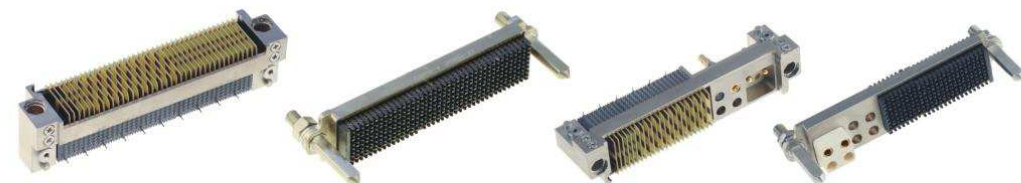
JVPX series connector shall conform to VITA protocol and be applied to VITA46 bus system, the transmission speed is up to 20Gbps. This connector shall meet the requirement of 6U and 3U backplane, with full metal frame enforced for plug and socket, strong ability for anti-vibration & anti-impact, improvement of contact reliability, meanwhile, which integrate RF module, optic module, power source module and realize the high mixed integration of module. The reliable interconnect solution is provided for the latest radar control system, military informatization, networked hi speed transmission system and hi speed telecom field.



6U模块 6U module



6U模块 6U module



3U模块 3U module

### DYLB系列电源滤波连接器

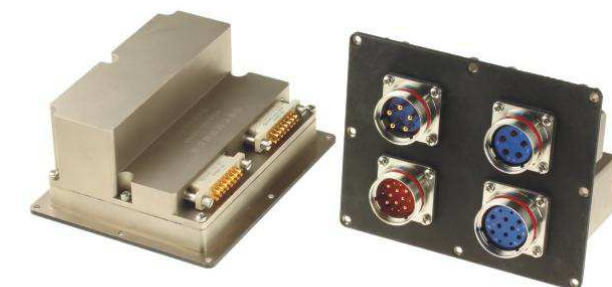
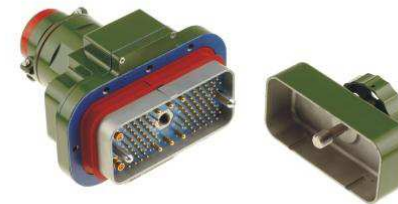
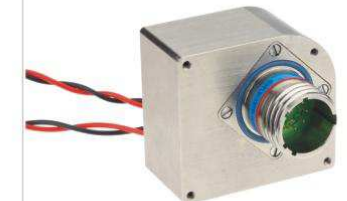
DYLB Series Connector for Power Source Filter

将连接器与电源滤波器集成为一体，无需单独再加装抗干扰器件，解决了传统的连接器与滤波器因导线二次连接引入的干扰，同时减小了器件对设备的空间占用，安装方便快捷，有利于整机设备的小型化。

采用先进抗电磁干扰互连技术，在100KHz~2000MHz宽频带内具有优异的共模和差模损耗、EMC电磁兼容和抗EMP瞬态脉冲性能，满足GJB151A-97中CE102的要求。

This connector integrate connector and power source filter into one without fixing another anti interference component, which eliminate the interference for the conventional connector due to the second wire connection to filter, meanwhile, make the equipment room smaller and setup rapidly, so as to make the overall equipment miniature.

This connector adopt advanced interconnect technology with anti-electromagnetic interference, with excellent loss of common module and differential module in the frequency width of 100KHz~2000MHz, with EMC and EMP transient pulse, which meet the CE102 requirement of GJB151A-97





## 重点推荐军用连接器

Key recommendation connectors

### FLR系列高速总线微圆形连接器

FLR Series Micro Circular Connector for Hi Speed Bus

FLR总线连接器是用于FlexRay和Can总线系统的连接器。依据FlexRay总线系统，参照第4代美军标MIL38999 (GJB599)的超小圆形micro 38999，在统一标准接口下研发的具有自主知识产权的一种超小圆形连接器。具有各种面板安装和电缆连接形式，可以全面满足各种个性化的设计与不同的应用。

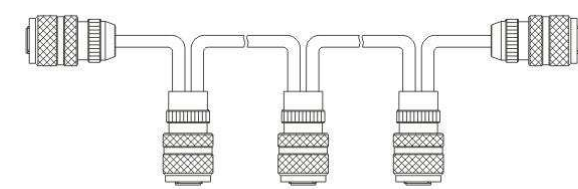
引脚型谱采用同轴对角差分传输，最高传输速率达1.65Gbps。具有360度全屏蔽、密封防水和防斜插防误插与阻抗调节等功能。

FLR bus connector is used in the FlexRay and Can bus system. This connector is one kind of super mini circular connector with proprietary intellectual property rights, which is developed with the same standard interface on the base of FlexRay bus system and refer to the super mini circular 38999 which conform to the 4th generation of MIL38999 (GJB599) standard. There are many types of surface fixing and cable connection which meet all kinds of individual design and application.

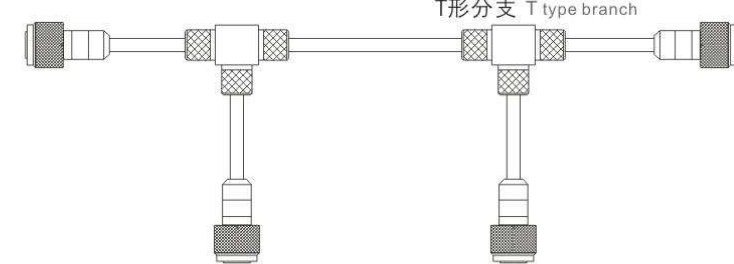
The pin is made with coaxial opposite angles differential transmission, the transmission speed is up to 1.65Gbps, with the function of 3600 full shielding, sealing for water proof, scoop proof and misinsertion prevention and resistance adjustment etc.



双出线插头分支 Plug branch for double wires out

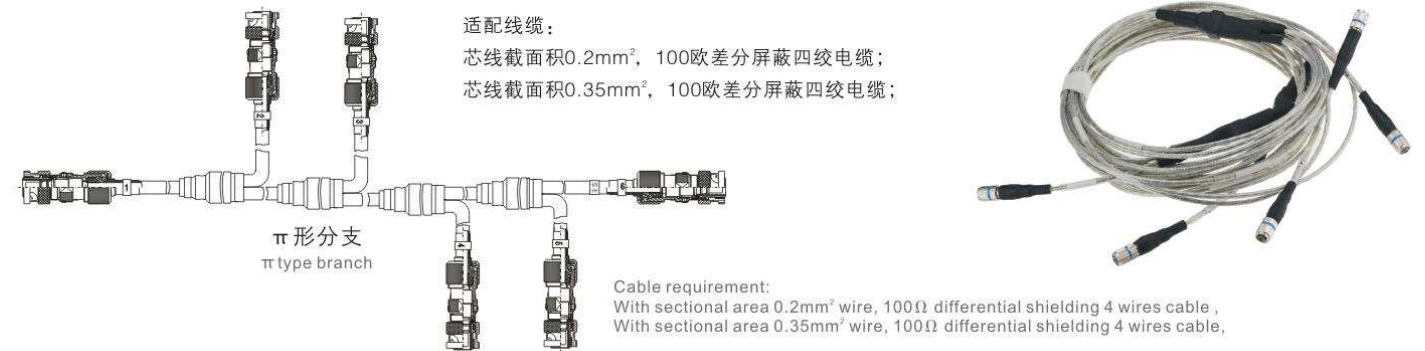


垂直弯出线 vertical and blending wire out



T形分支 T type branch

平行直出线 Parallel straight wire out

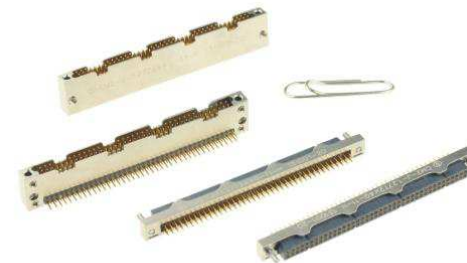


### CM系列板间微型连接器

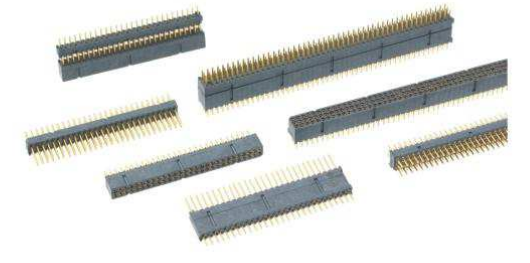
CM Series Micro Connector Between Boards

超小外形支持PCB紧凑的布线设计。采用多触点接触件，实现高可靠连接和多芯对中误差补偿，接点密度1.27mmX1.27mm。插头与插座插合后的高度最小仅6mm，支持多层PCB板叠插，叠插层间距4.5mm~9.5mm。支持多种布线方式，支持高速数据传输，传输速率1.25Gbps。

The super miniature outline is suitable for the PCB compact wiring design with supporting multi-layer PCB insertion and the spacing between board is about 4.5mm~9.5mm. The contact with multi pins make the connection hi reliability and difference compensation. The joint point density is 1.27mmx1.27mm. the minimum height is 6mm when the plug inserted into the socket. This kind connection support multi wiring types and hi speed transmission with transmission speed 1.25Gbps.



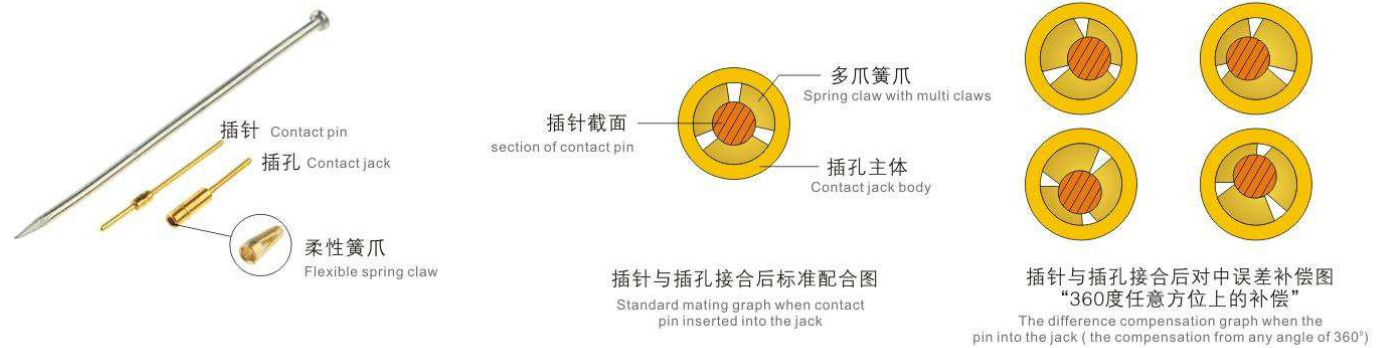
金属加固系列 Metal enforced series



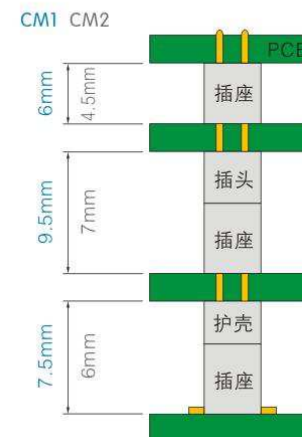
塑料外壳系列 plastic shell series

采用多触点柔性接触的方式，插拔柔和，实现高可靠连接和多芯对中误差补偿。

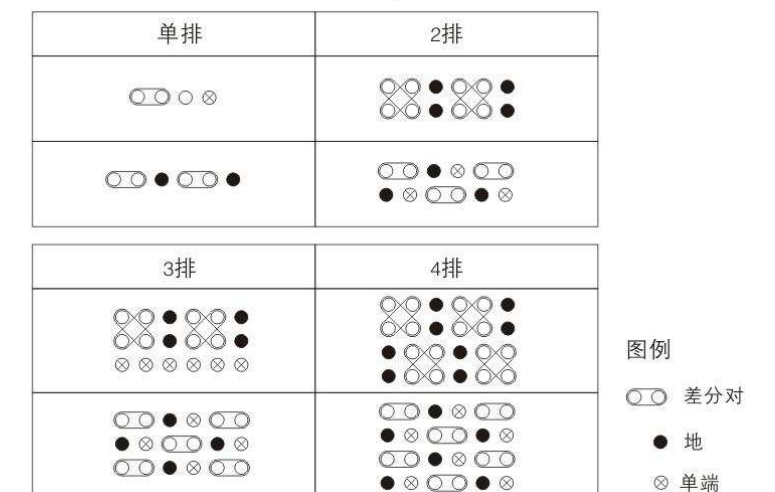
Multi contact pins with flexible contact, which make the inserting and pull flexible, and hi reliable connection and difference compensation.



支持多层PCB板叠插，叠插层间距4.5mm~9.5mm。  
With supporting multi-layer PCB stacking insertion and the spacing between boards is about 4.5mm~9.5mm



差分对布线形式推荐 the differential pairs wiring recommendation





# 通讯领域互连系统

## Communication domain interconnect system



### 基站设备

- 1、射频模块板到板连接器
- 2、馈线射频连接器
- 3、内部直流电源连接器
- 4、外部电源连接器
- 5、AISG接口
- 6、塑料防水连接器

### Facility of base station

- 1, board to board connector with RF module
- 2, feeder line RF connector
- 3, the connector for inner DC power source
- 4, the connector for outside power source
- 5, AISG interface
- 6, the connector with plastic and water proof

### 传输设备

- 1、高速I/O接口连接器
- 2、高速背板连接器
- 3、板到板连接器
- 4、卡边缘连接器
- 5、线缆组件

### Transmission Facility

- 1, the connector with hi speed I/O interface
- 2, hi speed backplane connector
- 3, board to board connector
- 4, card edge connector
- 5, cable assemblies

### 供电系统

- 1、盲插模块
- 2、接线架
- 3、电源输入输出接口

### Power supply system

- 1, blind insertion module
- 2, wiring rack
- 3, power source I/O interface

## 户外圆形连接器

### Outdoor circular connectors



### M16 ( AISG ) 系列圆形连接器

- 符合IEC60130-9标准规范;
- 连接方式: 螺纹连接;
- 密封防护等级: IP67;
- 盐雾等级: 48小时、96小时、196小时、576小时;
- 应用于通信设备室外的I/O接口上;

详见《通讯圆形连接器》选用手册

### M16 (AISG) Series Circular Connector

- Conform to IEC60130-9 standard
- Connection type: thread connection
- Sealing protection: IP67
- Salt resistance: 48Hrs, 96Hrs, 196Hrs, 576Hrs
- Apply to the outdoor I/O interface of Telecomm facilities

The detail refer to the manual of Circular Connector for Telecomm



### M12系列圆形连接器

- 符合IEC 61076-2-10标准规范;
- 接触件数量: 2芯-17芯;
- 连接方式: 螺纹连接;
- 密封防护等级: IP67;
- 盐雾等级: 48小时、96小时、196小时、576小时;
- 应用于通信设备室外的I/O接口上;

详见《通讯圆形连接器》选用手册

### M12 Series Circular connector

- Conform to IEC61076-2-10 standard
- Contact pin: 2~17 pins
- Connection type: thread connection
- Sealing protection: IP67
- Salt resistance: 48Hrs, 96Hrs, 196Hrs, 576Hrs
- Apply to the outdoor I/O interface of Telecomm facilities

The detail refer to the manual of Circular Connector for Telecomm



### TY124圆形防水连接器

- 连接方式: 螺纹锁紧;
- 接触件数量: 6芯-10芯;
- 载流能力1A-13A;
- 耐盐雾720小时;
- 密封防护等级: IP68;
- 应用于地下电源系统;

详见《通讯圆形连接器》选用手册

### TY124 Series Circular connector

- Connection Type: thread locking
- Contact pin: 6~10 pins
- Current loading capacity: 1A~13A
- Salt resistance: 720 Hrs
- Sealing protection: IP68
- Apply to underground power source system

The detail refer to the manual of Circular Connector for Telecomm



### DY36/DY65系列圆形连接器

- 连接方式: 三头螺纹连接, 带有止退锁紧机构;
- 塑胶外壳和金属外壳两种类别;
- 接触件数量: 2芯、3芯;
- 工作电流2芯30A、3芯25A;
- 接线采用螺钉压接方式, 可适应于现场快速接线;
- 密封防护等级: IP67;
- 适用线规范围12AWG~8AWG (2芯), 17AWG~13AWG (3芯);

详见《通讯圆形连接器》选用手册

### DY36/DY65 Series Circular Connector

- Connection type: three thread connection with retreat lock
- Plastic shell and metal shell
- Contact pin: 2 pins, 3 pins
- Working current: 2 pins 30A, 3 pins 25A
- Wiring connection: screw crimping, wiring connection rapidly at site.
- Sealing protection: IP67
- Wiring: 12AWG~8AWG(2 pins), 17AWG~13AWG (3 pins)

The detail refer to the manual of Circular Connector for Telecomm



## 户外圆形连接器 Outdoor circular connectors



### DY37系列推拉式圆形连接器

- 连接方式：滚珠推拉式快速插拔；
- 接触件数为2芯、3芯两种；
- 载流能力20A/40A；
- 密封防护等级：IP67；
- 防雷击40KA；
- 应用于通信设备室外的I/O接口上；

详见《通讯圆形连接器》选用手册

### DY37 Series Push-Pull Circular Connector

- Connection type: rolling push-pull rapidly
- Contact pin: 2 pins, 3 pins
- Current loading capacity: 20A/40A
- Sealing protection: IP67
- Lightning protection: 40KA
- Apply to the outdoor I/O interface of Telecomm facilities

The detail refer to the manual of Circular Connector for Telecomm



### DY83系列圆形连接器

- 连接方式：卡口连接；
- 接触件数量：2芯；
- 工作电流：55A；
- 接线采用螺钉压接方式，可适应于现场快速接线；
- 密封防护等级：IP65；
- 适用线规范围：3.3~10mm<sup>2</sup>，10~16mm<sup>2</sup>；

详见《通讯圆形连接器》选用手册

### DY83 Series Circular connector

- Connection type: buckle connection
- Contact pin : 2 pins
- Working current: 55A
- Wiring connection: screw crimping, rapid connection at site
- Sealing protection: IP65
- Wiring :3.3~10mm<sup>2</sup>, 10~16mm<sup>2</sup>

The detail refer to the manual of Circular Connector for Telecomm

## 背板类连接器&PCB板连接器 Backboard connectors & PCB board connectors



### HM2系列高速背板连接器

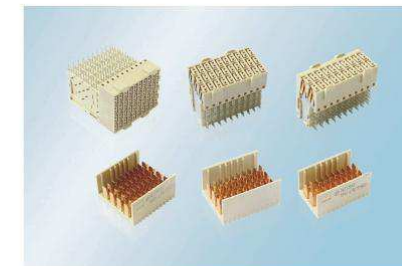
- 符合IEC 61076-4-101标准规范；
- 差分信号传输速率1.25Gbps；
- 产品有直公、弯母、弯公、直母、配高、护壳、电源；
- 模块、编码器件和定位附件多种类型；
- 应用于CPCI/CPCI-E/VME/ATCA总线系统；

详见《高速背板连接器》选用手册

### HM2 Series High Speed Backplane connector

- Conform to IEC61076-4-101 standard
- Differential signal transmission speed 1.25Gbps
- The products including straight male, bent female, bent male, straight female, high match, shell protection, power source
- Module, coding and positioning attachment etc.
- Apply to CPCI/CPCI-E/VME/ATCA bus system

The detail refer to the manual of Hi Speed Backboard Connector



### TriMAX(ZD)系列高速背板连接器

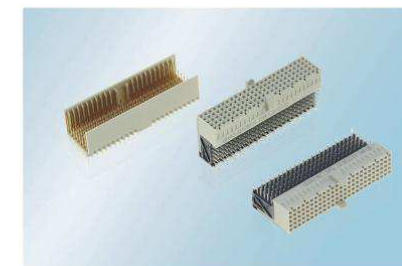
- 基于IEC 61076-4-101标准规范；
- 差分信号传输速率3.125Gbps，最高支持到5Gbps；
- 产品有直公、弯母、弯公多种类型；
- 模块数量有：2pairs、3pairs、4pairs三种规格；
- 应用于CPCI/CPCI-E/ATCA/LRM总线系统；

详见《高速背板连接器》选用手册

### TriMAX Series High Speed Backplane connector

- Conform to IEC61076-4-101 standard
- Differential signal transmission speed 3.125Gbps and up to 5Gbps
- The products including straight male, bent female, bent male etc.
- Module : 2 pairs, 3 pairs, 4 pairs
- Apply to CPCI/CPCI-E/ATCA/LRM bus system

The detail refer to the manual of Hi Speed Backboard Connector



### HMS系列高速背板连接器

- 基于IEC 61076-4-101标准规范；
- 差分信号传输速率3.125Gbps；
- 与HM2系列直式端连接器配插使用；
- 应用于CPCI/CPCI-E/VME/ATCA总线系统；

详见《高速背板连接器》选用手册

### HMS Series High Speed Backplane connector

- Conform to IEC61076-4-101 standard
- Differential signal transmission speed 3.125Gbps
- Used to match HM2 series straight end connector
- Apply to CPCI/CPCI-E/VME/ATCA bus system

The detail refer to the manual of Hi Speed Backboard Connector



### PreTriX系列高速背板连接器

- 基于IEC 61076-4-101标准规范；
- 差分信号传输速率6.25Gbps，最高支持到12.5Gbps；
- 产品有直公、弯母、弯公、直母多种类型；
- 模块数量有：3pairs、4pairs、5pairs；
- 应用于CPCI/CPCI-E/ATCA总线系统；

详见《高速背板连接器》选用手册

### PreTriX Series High Speed Backplane connector

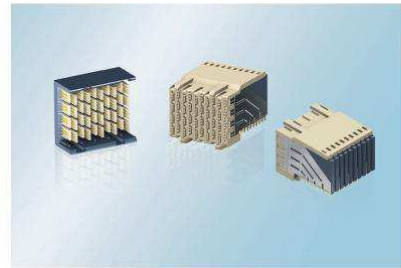
- Conform to IEC61076-4-101 standard
- Differential signal transmission speed 6.25Gbps and up to 12.5Gbps
- The products including straight male, bent female, bent male, straight female etc.
- Module : 3 pairs, 4 pairs, 5 pairs
- Apply to CPCI/CPCI-E/ATCA bus system

The detail refer to the manual of Hi Speed Backboard Connector



## 背板类连接器&PCB板连接器

### Backboard connectors &PCB board connectors



#### PreSurd+ 系列高速背板连接器

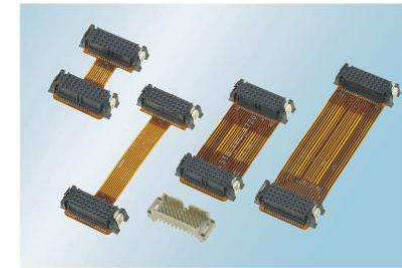
- 基于IEC 61076-4-101标准规范;
- 差分信号传输速率40Gbps, 最高支持到56Gbps;
- 产品有直公、弯母两种类型;
- 模块数量有: 4pairs;
- 应用于CPCI/CPCI-E/ATCA总线系统;

详见《高速背板连接器》选用手册

#### PreSurd+ Series High Speed Backplane connector

- Conform to IEC61076-4-101 standard
- Differential signal transmission speed 40Gbps and up to 56Gbps
- The products including straight male, bent female
- Module : 4 pairs
- Apply to CPCI/CPCI-E/ATCA bus system

The detail refer to the manual of Hi Speed Backboard Connector

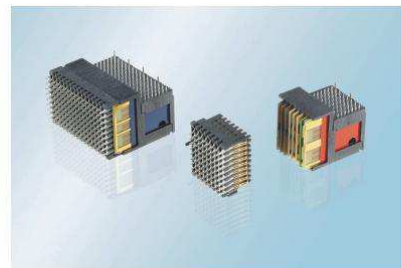


#### STB11系列BTB连接器

- 接触件间距为2mm x 2mm;
- 芯数有20Pin、40pin;
- 线端连接器接触件引脚与PCB板SMT端接, 由FPC连接两端;
- 板端连接器柔性压板端接;
- 载流能力: 1A/pin;
- 跨接PCB与PCB的连接方式;

#### STB11 Series High Speed BTB connector

- Contact spacing 2mmx2mm
- Pin :20, 40 pins
- The contact pin is mounted on the PCB, connected the two ends by FPC
- Flexible crimping board connection
- Current rating: 1A/pin
- Connection crossover between PCBs



#### VPX系列高速背板连接器

- 符合VITA46总线标准规范;
- 差分信号传输速率6.25Gbps;
- 产品有弯公、直母两种类型;
- 模块有四种类别: 两种错位高速差分模块、控制信号模块和电源模块;
- 可根据需要定义高速信号模块、控制信号模块和电源模块位置;
- 应用于VITA46总线系统;

详见《军用高速数据传输连接器》选用手册

#### VPX Series High Speed Backplane connector

- Conform to VITA46 bus standard
- Differential signal transmission speed 6.25Gbps
- The products including straight male, bent female
- 4 modules: 2 dislocation hi speed differential module, signal control module and power source module
- According to requirement to define hi speed signal module, signal control module and power source module position
- Apply to VITA46 bus system

The detail refer to the manual of Military Hi-Speed Data Transmission Connector

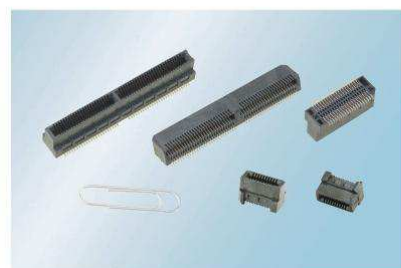


#### STB8系列高速BTB连接器

- 接触件间距为0.8mm;
- 芯数有140pin;
- 连接器接触件引脚与PCB板SMT;
- 可提供1.5A信号;
- 应用于传输速率最大为3.125Gbps的板到板连接;

#### STB8 Series High Speed BTB connector

- Contact spacing 0.8mm
- The pin quantity:140 pins
- The contact pin mounted on PCB
- Signal: 1.5A
- Apply to the board to board connection with transmission speed up to 3.125Gbps.



#### STB9/STB10系列卡边缘高速连接器

- 接触件间距为0.8mm;
- 芯数有20Pin、40pin、60Pin、80Pin、90Pin、100pin、120pin、140pin;
- 连接器接触件引脚与PCB板SMT;
- 可提供1A信号;
- 直式及弯式两种结构;
- 应用于传输速率最大为14Gbps的卡边缘连接(金手指);

#### STB10 series card edge high-speed connector

- Contact spacing 0.8mm
- The pin quantity:20, 40, 60, 80, 90, 100, 120, 140 pins
- The contact pin mounted on PCB
- Signal: 1A
- Two structure: straight, bent
- Apply to the card edge connection with transmission speed (Golden finger) up to 14Gbps .



# 光通讯连接器

## The Connector For Optical Communication

详见《光通讯模块》选用手册  
The detail is refer to the manual of Optical Telecom Module



### J599-MT系列光纤连接器

- 插入损耗:  $\leq 0.8\text{dB}$
- 工作温度:  $-40^{\circ}\text{C}\sim+80^{\circ}\text{C}$
- 震动: 频率 $10\sim 2000\text{Hz}$ ,  $0.06\text{g}^2/\text{Hz}$
- 冲击: 加速度 $490\text{m/s}^2$ , 持续时间 $11\text{ms}$
- 机械寿命: 500次
- 光纤通道: 12-96芯

### J599-MT Series Optical Fiber Connector

- Insertion Loss:  $\leq 0.8\text{dB}$
- Working temperature:  $-40^{\circ}\text{C}\sim+80^{\circ}\text{C}$
- Vibration: frequency  $10\sim 2000\text{Hz}$ ,  $0.06\text{g}^2/\text{Hz}$
- Punching: acceleration  $490\text{m/s}^2$  continuing time  $11\text{ms}$
- Mechanical endurance: 500 circles
- Optical channel: 12-96 pins

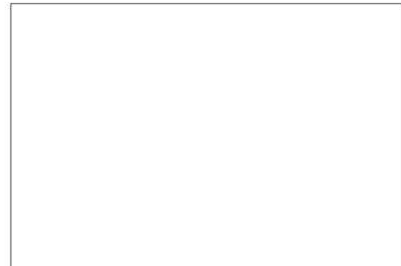


### PLCC 并行光模块

- MPO、MT带尾纤接口, 尾纤长度可选
- 传输波长: 850nm
- 典型传输速率 $10.3125\text{G}$ 可向下兼容到 $1.25\text{G}$
- 传输距离可到 $100\text{m}$  (OM3 MMF)、 $150\text{m}$  (OM4 MMF)
- 3.3V单电源供电, 低功耗
- 带数字诊断功能
- 工业级温度范围:  $-40^{\circ}\text{C}\sim 85^{\circ}\text{C}$
- 低的电磁辐射, 优良的ESD防护
- PLCC36、PLCC48、PLCC64三个系列

### PLCC Parallel Optical Module

- MPO, MT with tail fiber interface, the length optional
- Transmission wavelength: 850 nm
- Standard transmission velocity  $10.3125\text{G}$  and downward compatible to  $1.25\text{G}$
- Transmission distance :  $100\text{m}$ (OM3 MMF),  $150\text{m}$  (OM4 MMF)
- 3.3V single power supply, low consumption
- Digital diagnostic
- Industrial temperature :  $-40^{\circ}\text{C}\sim 85^{\circ}\text{C}$
- Low electromagnetic radiation, excellent ESD protection
- 3 series: PLCC36, PLCC48, PLCC64

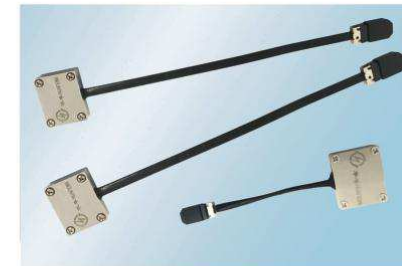


### J80G-1T/1Z-M系列光纤连接器

- 插入损耗:  $\leq 0.8\text{dB}$
- 工作温度:  $-40^{\circ}\text{C}\sim+80^{\circ}\text{C}$
- 震动: 频率 $10\sim 2000\text{Hz}$ ,  $0.06\text{g}^2/\text{Hz}$
- 冲击: 加速度 $490\text{m/s}^2$ , 持续时间 $11\text{ms}$
- 机械寿命: 500次
- 适用于印制板安装
- 光纤通道: 12-24芯

### J80G Series Optical Fiber Connector

- Insertion Loss:  $\leq 0.8\text{dB}$
- Working temperature:  $-40^{\circ}\text{C}\sim+80^{\circ}\text{C}$
- Vibration: frequency  $10\sim 2000\text{Hz}$ ,  $0.06\text{g}^2/\text{Hz}$
- Punching: acceleration  $490\text{m/s}^2$  continuing time  $11\text{ms}$
- Mechanical endurance: 500 circles
- Apply to PCB fixing
- Optical channel: 12-24 pins



### POB 并行光模块

- MPO、MT带尾纤接口, 尾纤长度可选
- 传输波长: 850nm
- 典型传输速率 $10.3125\text{G}$ 可向下兼容到 $1.25\text{G}$
- 传输距离可到 $100\text{m}$  (OM3 MMF)、 $150\text{m}$  (OM4 MMF)
- 3.3V单电源供电, 低功耗
- 带数字诊断功能
- 工业级温度范围:  $-40^{\circ}\text{C}\sim 85^{\circ}\text{C}$
- 低的电磁辐射, 优良的ESD防护
- POB 100 PIN、POB 200PIN 两个系列

### POB Parallel Optical Module

- MPO, MT with tail fiber interface, the length optional
- Transmission wavelength: 850 nm
- Standard transmission velocity  $10.3125\text{G}$  and downward compatible to  $1.25\text{G}$
- Transmission distance :  $100\text{m}$ (OM3 MMF),  $150\text{m}$  (OM4 MMF)
- 3.3V single power supply, low consumption
- Digital diagnostic
- Industrial temperature :  $-40^{\circ}\text{C}\sim 85^{\circ}\text{C}$
- Low electromagnetic radiation, excellent ESD protection
- 2 series: POB 100 PIN, POB 200 PIN



### GPON、EPON

- 类别: G/E PON ONU 尾纤式
- 速率: TX:  $1.25\text{Gbps}$   
RX:  $2.48\text{Gbps}$
- 波长: TX:  $1310\text{nm}$  RX:  $1490\text{nm}$

- Type: G/E PON ONU tail fiber
- Velocity: TX:  $1.25\text{Gbps}$   
RX:  $2.48\text{Gbps}$
- Wavelength: TX:  $1310\text{nm}$  RX:  $1490\text{nm}$



### 数据中心系列 SFP+SR

- 封装: SFP+, 传输速率:  $10\text{G}$
- 波长:  $850\text{nm}$
- 光器件: VCSEL/PIN
- 发光范围:  $-7.3\sim -1\text{dBm}$
- 收端灵敏度:  $-9.9\text{dBm}$
- 接口: LC
- 工作温度范围:  $0^{\circ}\text{C}\sim 70^{\circ}\text{C}$
- 传输距离:  $300\text{m}$
- 多速率兼容:  $1\sim 10\text{G}$

### Data Center Series SFP+SR

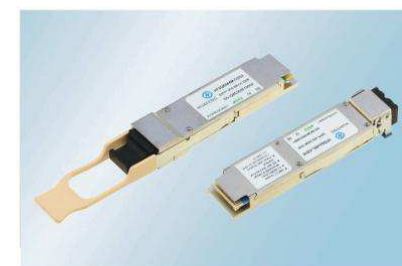
- Sealing: SFP+, Transmission velocity:  $10\text{G}$
- Wavelength:  $850\text{nm}$
- Optical component: VCSEL/PIN
- Optical range:  $-7.3\sim -1\text{dBm}$
- Receiving sensitivity:  $-9.9\text{dBm}$
- Jack: LC
- Working temperature:  $0^{\circ}\text{C}\sim 70^{\circ}\text{C}$
- Transmission distance:  $300\text{m}$
- Multi velocity compatibility:  $1\sim 10\text{G}$



### 10G ONU

- 类别: 10G ONU插拔式
- 速率: TX:  $10.321\text{Gbps}$   
RX:  $10.312\text{Gbps}$
- 波长(nm) TX:  $1270\text{nm}$  RX:  $1577\text{nm}$

- Type: 10G ONU plug
- Velocity: TX:  $10.321\text{Gbps}$   
RX:  $10.312\text{Gbps}$
- Wavelength (nm): TX:  $1270\text{nm}$  RX:  $1577\text{nm}$



### 数据中心系列 QSFP+40G SR4 QSFP28 SR4

- 封装: QSFP+, 传输速率:  $40\text{G}$  OR  $100\text{G}$
- 波长:  $850\text{nm}$
- 光器件: VCSEL/PIN
- 发光范围:  $-7.6\sim -2.4\text{dBm}$
- 收端灵敏度:  $-9.5\text{dBm}$
- 接口: MTP/MPO
- 工作温度范围:  $0^{\circ}\text{C}\sim 70^{\circ}\text{C}$
- 传输距离:  $100\text{m}$
- 多速率兼容:  $1\sim 10\text{G}$

### Data Center Series QSFP+40G SR4 QSFP28 SR4

- Sealing: SFP+, Transmission velocity:  $40\text{G}$  or  $100\text{G}$
- Wavelength:  $850\text{nm}$
- Optical component: VCSEL/PIN
- Optical range:  $-7.6\sim -2.4\text{dBm}$
- Receiving sensitivity:  $-9.5\text{dBm}$
- Jack: MTP/MPO
- Working temperature:  $0^{\circ}\text{C}\sim 70^{\circ}\text{C}$
- Transmission distance:  $300\text{m}$
- Multi velocity compatibility:  $1\sim 10\text{G}$



# 光通讯连接器

## The Connector For Optical Communication

详见《光通讯模块》选用手册  
The detail is refer to the manual of Optical Telecom Module

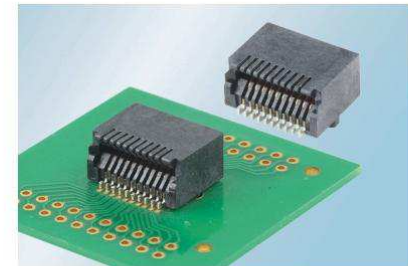


### MINI光模块

- LC接口
- 传输波长: 850nm
- 典型传输速率10.3125G可向下兼容到1.25G
- 传输距离可到100m (OM3 MMF)、150m (OM4 MMF)
- 3.3V单电源供电, 低功耗
- 工业级温度范围: -40℃~85℃
- 低的电磁辐射, 优良的ESD防护

### MINI Optical Module

- Jack: LC
- Transmission wavelength: 850 nm
- Standard transmission velocity 10.3125G and downward compatible to 1.25G
- Transmission distance : 100m(OM3 MMF), 150m (OM4 MMF)
- 3.3V single power supply, low consumption
- Industrial temperature : -40℃~85℃
- Low electromagnetic radiation, excellent ESD protection

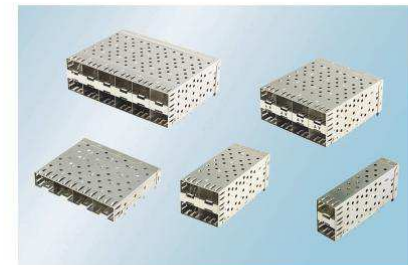


### SFP、SFP+、QSFP、QSFP+ 连接器 (插座)

- 符合SFP MSA标准;
- 与PCB板SMT连接;
- 连接器芯数20芯、38芯;
- 数据速率支持1.0625Gbps~10.3125Gbps;
- 额定电流0.5A/Pin;

### SFP, SFP+, QSFP, QSFP+ Connector (Socket)

- Conform to SFP MSA standard
- Mounting connection with PCB
- 20 pins, 38 pins
- Data transmission speed with 1.0625Gbps ~10.3125Gbps
- Current rating 0.5A/pin



### SFP、SFP+ Cage

- 符合SFP MSA标准规范;
- 与PCB板焊接及压接;
- 外壳材料为洋白铜;
- 规格有1×1、1×4、2×1、2×2、2×4、2×6;
- 温度范围: -55℃~+105℃;

### SFP、SFP+ Cage

- Conform to SFP MSA standard
- Welding and crimping with PCB
- Shell material: white copper



### QSFP+线缆组件

- 每通道速率可到10.3125Gbps;
- 支持热插拔;
- 铜缆连接, 适配26AWG导线;
- 线缆长度最长可支持10M;
- 3.3V单电源供电, 低功耗;
- 应用于通信设备高速I/O接口;

### QSFP+ Cable Assemblies

- Transmission speed for every channel is up to 10.3125Gbps
- Hot plug supported
- Copper cable connection with 26AWG wire
- The cable length is up to 10M
- 3.3V single power supply, low consumption
- Apply to Telecomm equipment with hi speed I/O interface



### SFP+线缆组件

- 每通道传输速率支持1.0625Gbps~10.3125Gbps;
- 支持热插拔;
- 铜缆连接, 适配30AWG~24AWG导线;
- 线缆长度最长可支持12m;
- 3.3V单电源供电, 低功耗;
- 应用于通信设备高速I/O接口;

### SFP+ Cable Assemblies

- Transmission speed for every channel is 1.0625Gbps~10.3125Gbps
- Hot plug supported
- Copper cable connection with 30AWG~24AWG wire
- The cable length is up to 12M
- 3.3V single power supply, low consumption
- Apply to Telecomm equipment with hi speed I/O interface



### QSFP+ to 4 x SFP+线缆组件

- 每通道传输速率可到10.3125Gbps;
- 支持热插拔;
- 铜缆连接, 适配28AWG导线;
- 线缆长度最长可支持5m;
- 3.3V单电源供电, 低功耗;
- 应用于通信设备高速I/O接口;

### QSFP+ to 4xSFP+Cable Assemblies

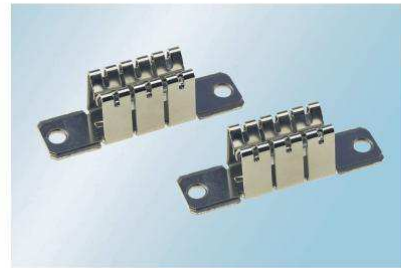
- Transmission speed for every channel is up to 10.3125Gbps
- Hot plug supported
- Copper cable connection with 28AWG wire
- The cable length is up to 5M
- 3.3V single power supply, low consumption
- Apply to Telecomm equipment with hi speed I/O interface



## 电源连接器及线缆组件

### Power connectors and cable components

详见《通讯电源连接器》选用手册  
The detail refer to the manual of Telecom Power Source Connector



#### 电表电源

- 接触件芯数：单芯；
- 载流能力：100A；
- 温度范围：-45℃ ~ +125℃；
- 端接形式：螺钉铜排连接；

#### The Connector For Electricity Meter and Power Source

- Contact pin: single pin
- Current capacity: 100A
- Temperature: -45℃~+125℃
- Terminal joint: screw copper bar joint



#### HVDC高压直流电源连接器

- 接触件数量：3芯；
- 独有强磁场拉远电弧功能，满足450VDC 16A热插拔性能要求；
- 插头插座具有锁紧结构；
- CUL及TUV认证要求，满足UL钢球撞击测试；
- 应用于高压直流系统；

#### High Voltage DC Power Supply connector

- Contact pin: 3 pins
- Unique arc drawing function of high magnetic field, meet the performance requirement of 450VDC 16A hot plug
- With locking tight structure for plug and socket
- With CUL and TUV certificates, meet UL with steel ball impact test
- Apply to Hi voltage DC system

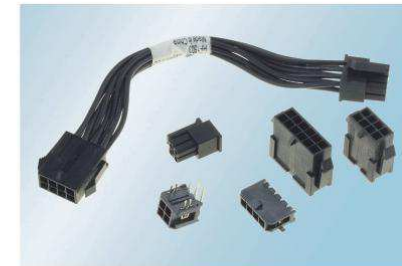


#### DY25现场快速接线电源连接器

- 工作电流30A/40A；
- 热插拔，簧片正极塑胶化，避免金属接触对造成电火花放电腐蚀；
- 笼式弹簧锁紧，无需专用工具，现场快速接线；

#### DY25 series Power Source Connector With Rapid Wire Connection At Site

- Current rating 30A/40A
- Hot plug, plastic positive of reed avoid electrospark discharging and corrosion for the metal contact pair
- Cage spring locking tight to make rapid wire connection at site without special tools.



#### CH133系列板到线/线到线连接器

- 接触件间距3mm；
- 额定电流5A (AWG20)；
- 板端与PCB连接有直式和弯式焊接或表贴；
- 板端采用卷带包装；
- 带锁紧结构；
- 线端能连接30AWG~20AWG号线；

#### CH133 Series board to wire /wire to wire Connector

- Contact spacing : 3mm
- Current rating : 5A (AWG20)
- Terminal joint to PCB with straight or bent type welding or mounting
- Rolling tape wrapping for board end
- Locking tight structure
- Meet with 30AWG~20AWG wire

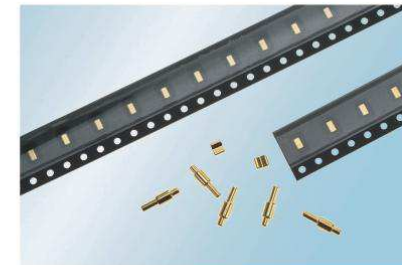


#### DY60快插电源连接器

- 连接方式：连接器与面板螺钉固定；
- 接触件数量：2芯和3芯两种规格；
- 载流30A~40A；
- 具有过载保护功能；
- 密封防护等级IP65；
- 良好的抗紫外线（UV）性能，耐盐雾1000小时；
- 笼式弹簧锁紧，无需专用工具，现场快速接线；
- 广泛用于通讯设备户外/I/O；

#### DY60 Series Power Source Connector With Rapid Insertion

- Connection type: screw fixing the connector to the panel.
- Contact pin: 2 pins/3 pins
- Current rating 30A~40A
- Overload protection
- Sealing protection: IP65
- Excellent anti UV performance, salt resistance for 1000 Hrs.
- Cage spring locking tight to make rapid wire connection at site without special tools.
- Apply to I/O for outdoor Telecom equipment



#### 二次电源针

- 载流能力15A~40A；
- 支持回流焊接及波峰焊接方式；
- 简单可靠PCB扣板连接；

#### Secondary Power Supply Pin

- Current capability: 15A~40A
- Reflow soldering and wave soldering supported
- Simple and reliable buckle connection with PCB



#### DY38现场快速接线电源连接器

- 接触件数量：2芯；
- 载流能力40A；
- 笼式弹簧锁紧，无需专用工具，现场快速接线；
- 具有拉动拉环自动锁紧及解锁装置；
- 分为交流和直流两种结构；
- UL认证要求；
- 应用于通讯设备户外/I/O；

#### DY38 series Power Source Connector With Rapid Wire Connection At Site

- Contact pin: 2 pins
- Current rating : 40A
- Cage spring locking tight, rapid wire connection at site without special tools
- Auto locking tight and unlock setting with pull ring
- With AC and DC type
- UL certificate
- Apply to I/O of outdoor Telecom equipment



#### 微断分配电源

- 接触件芯数：2芯；
- 载流能力：126A分配63A；
- 端接形式：螺钉锁紧；
- 配用导线：2AWG；
- 应用微断器件的环境中；

#### Microcut Distribution Power Supply

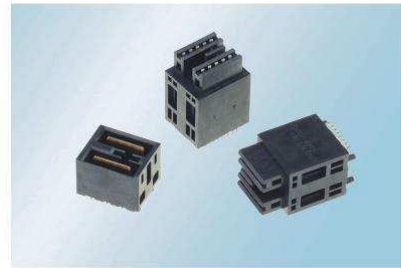
- Contact pin: 2 pins
- Current capability : 126A distributing 63A
- Terminal joint: screw locking tight
- Match wire: 2AWG
- Apply amid microcut components



## 电源连接器及线缆组件

Power connectors and cable components

详见《通讯电源连接器》选用手册  
The detail refer to the manual of Telecom Power Source Connector



### DY55系列印制板类电源

- 接触件芯数: 2芯;
- 载流能力: 75A;
- 温度范围: -55℃ ~ +105℃;
- 端接形式: 免焊压接式;
- 可靠PCB扣板连接;

### DY55 Series Connector for PCB Power Supply

- Contact pin: 2 pins
- Current capability: 75A
- Temperature: -55℃~+105℃
- Terminal joint: crimping with welding free
- Reliable buckle joint to PCB



### 3V3接线架电源连接器

- 3V3转接OT端子连接器, 直式出线;
- 芯数为2pin, 适用于接线OT端子: M6;
- 额定电流: 30A;
- 温度范围: -20℃ ~ +85℃;

### 3V3 Power Supply Connector With Wiring Rack

- 3V3 switch connector with OT terminal, straight wire output
- 2 pins, OT terminal: M6
- Current rating: 30A
- Temperature: -20℃~+85℃



### 带塑料件接线架

- 接触件芯数: 2芯~6芯;
- 载流能力: 5A~250A;
- 端接形式: 螺钉锁紧、焊接PCB板;
- 接线方便, 组合多样;
- 配用导线: 20AWG~250AWG;
- 应用配电箱、PCB板上的环境中;

### Wiring Rack With Plastic

- Contact pin: 2 pins~6 pins
- Current capability: 5A~250A
- Terminal joint: screw locking tight, welding to PCB
- Wiring conveniently, multiple combination
- Wire : 20AWG~250AWG
- Apply to Distribution box or PCB



### 2芯电源线缆组件

- 可配接2C电源导线;
- 载流能力20A~40A;
- IDC端接方式, 适配14AWG~8AWG导线;
- 兼容PwrBlade2芯连接器;
- 密封防护等级: IP65;
- 长度及导线外被颜色可根据客户的要求定制;

### Cable Assemblies With 2 Pins Wire For Power Supply

- Match to 2C wire for power supply
- Current capability 20A~40A
- IDC connection, match to 14AWG~8AWG wire
- Compatible with PwrBlade 2 pins connector
- Sealing Protection: IP65
- Length and color customized as required

## 线缆组件

Cable components



### 2mmHM屏蔽线缆组件

- 符合IEC61076-4-10标准规范;
- 具有10芯、20芯、30芯、40芯多种芯数规格;
- IDC端接方式, 适配30AWG~26AWG导线;
- 能与HM2标准插座配合;
- 模块化拼接使用;
- 主要应用于通信设备内部的I/O接口上;

### 2mmHM Shielding Cable Assemblies

- Conform to IEC61076-4-10 standard
- Type : 10 pins, 20 pins, 30 pins, 40 pins
- IDC terminal jointly with 30AWG ~ 26 AWG wire
- Match the socket for HM2 standard
- Modularization jointed into use
- Apply to inner I/O interface of Telecom facilities.



### RJ45线缆组件

- 可配接4C、4P导线;
- IDC端接方式, 适配28AWG~24AWG导线;
- 能与标准RJ45插座对接;
- 密封防护等级: IP65;
- 长度及导线外被颜色可根据客户的要求定制;

### RJ45 Cable Assemblies

- To match 4C, 4P wire
- IDC terminal jointly with 28AWG ~ 24AWG wire
- To match the socket for RJ45 standard
- Sealing protection : IP65
- The length and the outside color of the wire customized as requirement.



### D-sub线缆组件

- 连接器符合IEC60807-2标准规范;
- 接触件为冲制件;
- 额定电流5A;
- 标准信号型, 包括芯数有9芯、15芯、25芯、37芯、44芯、50芯;
- 导线焊接及压接型, 适配26AWG~24AWG导线;
- 可根据连接器芯数配接导线芯数;
- 长度及导线外被颜色可根据客户的要求定制;

### D-Sub Cable Assemblies

- The connector conform to IEC60807-2 standard
- The contact is made by punching
- Current rating : 5A
- Standard signal including 9 pins, 15 pins, 25 pins, 37 pins, 44 pins, 50 pins
- Wire melted and crimped with 26AWG ~ 24AWG
- The wire pin quantity shall be matched with the connector
- The length and the outside color of the wire customized as requirement



### MDR线缆组件

- 连接器有14芯、26芯、36芯、68芯等规格;
- 额定电流1A;
- 端接方式有IDC及焊接式;
- 适配26AWG~24AWG导线;
- 可根据连接器芯数配接导线芯数;
- 长度及导线外被颜色可根据客户的要求定制;

### MDR Cable Assemblies

- Connector type: 14 pins, 26 pins, 36 pins, 68 pins
- Current rating: 1A
- IDC terminal jointed and welding
- To match with 26AWG ~ 24AWG wire
- The wire pin quantity shall be matched with the connector
- The length and the outside color of the wire customized as requirement



# 射频同轴连接器

## Radio frequency coaxial connectors

详见《射频同轴连接器》选用手册  
The detail refer to the manual of RF Coaxial Connector



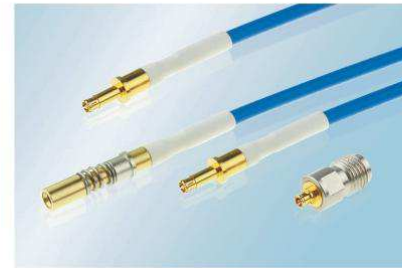
**4.3-10**

- 基于IEC 61169-54标准规范;
  - 频率范围: DC ~ 6GHz;
  - 连接方式有螺纹连接、快插快锁等多种类型;
  - 质量轻、低PIM、连接可靠;
  - 应用于天馈系统;
- Conform to IEC61169-54 standard
  - Frequency: DC~6GHz
  - Connection type: thread connection, rapid insertion with locking tight etc.
  - Light weight, low PIM, reliable connection
  - Apply to antenna system



**SMP(MAX)**

- 频率范围: DC ~ 6GHz;
  - 盲插浮动连接, 容差大、能实现快速插合和分离;
  - 产品有滑入端、转接器、撬纵端多种类型;
  - 端接方式有焊接、螺纹等多种规格;
  - 广泛应用于射频微波通信领域;
- Frequency: DC~6GHz
  - Blind mating and floating connection, large difference of capacity to make the insertion and separation rapidly
  - Slide end, adapter, escapement
  - Apply to telecom with RF and microwave



**SMPM**

- 基于MIL STD348标准规范;
  - 频率范围: DC ~ 65GHz;
  - 产品比SMP小30%;
  - 产品有滑入端、撬纵端类型;
  - 应用通讯设备、卫星、雷达等领域;
- Conform to MIL STD348 standard
  - Frequency: DC~65GHz
  - Smaller 30% than SMP
  - Slide end, escapement
  - Apply to telecom, satellite, radar etc.



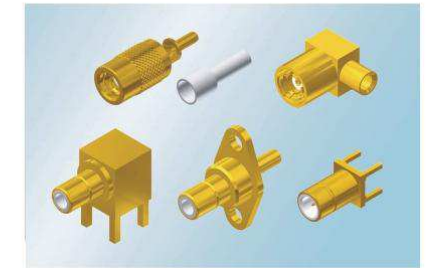
**SMA**

- 一种螺纹连接的同轴连接器。
  - 具有体积小、频带宽、可靠性高等特点;
  - 应用最广泛的射频同轴连接器之一;
  - 特性阻抗50Ω;
  - 频率范围: DC ~ 18GHz;
- A thread type coaxial connector
  - Small volume, wide band, hi reliability
  - One of the most widely applied as RF coaxial connector
  - Characteristic impedance: 50Ω
  - Frequency : DC~18GHz



**SSMA**

- 一种小型螺纹连接的同轴连接器;
- 与SMA相比, 具有体积更小、频带更宽的特点;
- 适用于对重量、体积有要求的小型电子设备及网络系统;
- 特性阻抗50Ω;
- 频率范围: DC ~ 30GHz;
- A mini thread type coaxial connector
- Compared with SMA, smaller volume, wider band
- Apply to the interconnect between module, case, cabinet
- Characteristic impedance: 50Ω
- Frequency : DC~18GHz



**SMB**

- 一种推入式同轴连接器;
  - 具有连接方便、接触可靠的特点;
  - 特性阻抗50Ω、75Ω;
  - 频率范围: DC ~ 4GHz;
- A push type coaxial connector
  - Convenient connection, reliable contact
  - Characteristic impedance: 50Ω, 75Ω
  - Frequency: DC~4GHz



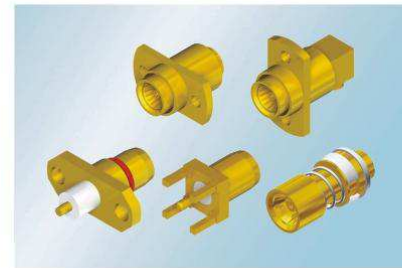
**2.92**

- 频率可达40GHz;
  - 毫米波射频连接器;
  - 采用空气介质, 可与SMA产品对接互换;
  - 体积小, 重量轻, 频率高, 连接可靠;
- Frequency: 40GHz
  - Millimeter wave RF connector
  - Making air as media, and docking and interchanging with SMA
  - Small volume, light weight, hi frequency, reliable connection



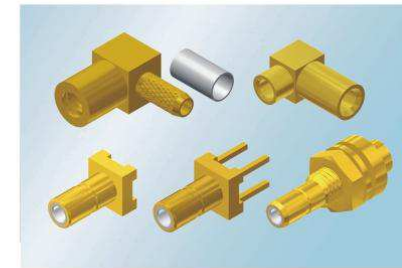
**SMP**

- 小型推入式同轴连接器;
  - 具有体积小、重量轻、工作频带宽等特点;
  - 适用于小型化、模块化无线通讯设备;
  - 特性阻抗50Ω;
  - 频率范围: DC ~ 40GHz;
- Mini push type coaxial connector
  - Small volume, light weight, wide band etc.
  - Apply to wireless telecom equipment with miniature and modularization
  - Characteristic impedance: 50Ω
  - Frequency : DC~40GHz



**BMA**

- 一种推入式同轴连接器;
  - 具有浮动、盲插功能;
  - 广泛应用于模块、机箱、机柜之间的互连;
  - 特性阻抗50Ω;
  - 频率范围: DC ~ 18GHz;
- A push type coaxial connector
  - Floating, blind mating
  - Apply to the interconnect between module, case, cabinet
  - Characteristic impedance: 50Ω
  - Frequency : DC~18GHz



**SSMB**

- 一种微型推入式同轴连接器;
  - 结构特点与SMB类似, 比SMB体积更小;
  - 特性阻抗50Ω;
  - 频率范围: DC ~ 3GHz;
- A micro push type coaxial connector
  - Similar structure with SMB, smaller than SMB
  - Characteristic impedance: 50Ω
  - Frequency : DC~3GHz



**BNC**

- 一种卡口式同轴连接器;
  - 具有连接迅速、接触可靠等优点;
  - 广泛应用于无线电设备和电子仪器、仪表;
  - 特性阻抗分50Ω和75Ω两种;
  - 频率范围: DC ~ 4GHz;
- A buckle type coaxial connector
  - Rapid connection, reliable contact
  - Apply to wireless equipment, electronic instrument and meter
  - Characteristic impedance: 50Ω, 75Ω
  - Frequency: DC~4GHz



**L29**

- 一种螺纹式同轴连接器;
  - 具有机械强度高、低损耗、工作电压高、低互调等特点;
  - 广泛应用于基站馈线系统;
  - 特性阻抗50Ω;
  - 频率范围: DC ~ 7.5GHz;
- A thread type coaxial connector
  - High mechanical strength, low loss, high working voltage, low intermodulation
  - Apply to antenna system in base station
  - Characteristic impedance: 50Ω
  - Frequency: DC~7.5GHz





## 轨道交通领域互连系统

### Interconnect system in the field of rail transit

## 信号控制类连接器

### Signal Control Connector



#### JL型信号控制类圆形连接器

- 符合铁道部标准TB/T2761-1996;
- 连接方式: 卡口连接、螺纹连接;
- 端接方式: 导线焊接、导线压接;
- 接触件数目: 1~61芯;
- 工作电流: 5A~160A;

详见《工业电连接器》选用手册

#### JL Series Circular Connector For Signal Control

- Conform to Railway Department standard of TB/T2761-1996
- Connection type: buckle connection, thread connection
- Terminal joint: wire soldering, wire crimping
- Contact pin: 1~6 pins
- Working current: 5A~160A

The detail refer to the manual of Industrial Electrical Connector



#### JL型圆形重联连接器

- 符合铁道部标准TB/T2761-1996;
- 连接方式: 卡口连接、杠杆卡锁连接;
- 端接方式: 导线焊接、导线压接;
- 具有拆卸方便、防雨淋、防尘、抗振动等优点;
- 接触件数目: 2~55芯;
- 工作电流: 5A~100A;

详见《工业电连接器》选用手册

#### JL Series Circular Connector With Double Connection

- Conform to Railway Department standard of TB/T2761-1996
- Connection type: buckle connection, lever buckle-lock connection
- Terminal joint: wire soldering, wire crimping
- With the advantage of easy release, rainproof, dust proof, anti vibration
- Contact pin: 2~55pins
- Working current: 5A~100A

The detail refer to the manual of Industrial Electrical Connector



#### JL型信号控制类矩形连接器

- 参照法国、日本标准;
- 连接方式: 直插式连接;
- 端接方式: 导线压接;
- 接触件数目: 2~70芯;
- 工作电流: 8A~25A;

详见《工业电连接器》选用手册

#### JL Series Rectangle Connector for Signal Control

- Conform to France, Japan standard
- Connection type: straight insertion
- Terminal joint: wire crimping
- Contact pin: 2~70 pins
- Working current: 8A~25A

The detail refer to the manual of Industrial Electrical Connector



#### LYP系列圆形连接器

- 符合铁道部标准TB/T2761-1996;
- 连接方式: 卡口连接;
- 端接方式: 导线压接、导线焊接;
- 接触件: 冠簧、线簧或劈槽式;
- 接触件数目: 3~30芯;
- 工作电流: 5~50A;
- 额定工作电压: 500V

详见《工业电连接器》选用手册

#### LYP Series Circular Connector

- Conform to Railway Department standard of TB/T2761-1996
- Connection type: buckle connection
- Terminal joint: wire soldering, wire crimping
- Contact: crownlike spring, wiring spring, or opening slot
- Contact pin: 3~30 pins
- Working current: 5A~50A
- Voltage rating: 500V

The detail refer to the manual of Industrial Electrical Connector

#### 产品应用实例:

##### • 机车领域

从上世纪80年代开始, 为SS1~SS9韶山系列直流传动电力机车、DF系列内燃机车、HXN3内燃机车配套整车连接器;

从2006年开始至今, 为HXD1、HXD2、HXD3系列大功率交流传动电力机车配套整车连接器;

为国内各主机厂配套出口机车连接器, 车型包括内燃机车、电力机车等; 如: 出口伊朗、新西兰、南非、乌兹别克斯坦、安哥拉、刚果、蒙古等机车;

##### • 客车领域

先后配套22型客车、25型客车、中原之星、长白山、先锋号动车等;

##### • 地铁轻轨领域

上海地铁、北京地铁、成都地铁、武汉地铁、郑州地铁、深圳地铁、伊朗地铁、香港地铁等;



## 信号控制类连接器 Signal Control Connector



### SC系列圆形连接器

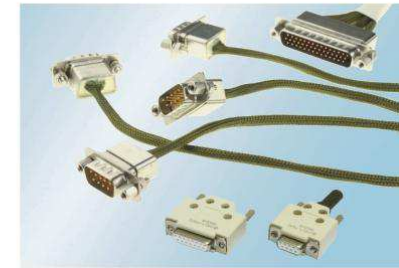
- 符合MIL-C-5015 (等效于国军标GJB600) 型谱;
- 连接方式: 卡口锁紧连接;
- 端接方式: 冷压接;
- 接触件数目: 3、14、16、17芯;
- 工作电流: 13A;
- 工作电压: 380V/500V;

详见《工业电连接器》选用手册

### SC Series Circular Connector

- Conform to MIL-C-5015 (equivalent to national and mil standard of GJB600) standard
- Connection type: buckle locking tight connection
- Terminal joint: cooling crimping
- Contact pin: 3pins, 14pins, 16pins, 17pins
- Working current:13A
- Working voltage: 380V/500V

The detail refer to the manual of Industrial Electrical Connector



### D-sub系列矩形连接器

- 符合GJB142A(MIL-DTL-24308)标准;
- 包含多种接触件,可传输低频、高频信号和电源连接;
- 端接方式: 焊线、导线压接、焊板、免焊压板;
- 接触件数目: 9~50芯, 电源2~8芯;
- 额定工作电压: 300~500V;
- 工作电流: 1A~30A;

详见《军用矩形连接器》选用手册

### D-sub Series Rectangle Connector

- Conform to GJB142A(MIL-DTL-24308) standard
- Including multiple contact, be able to transferring low frequency, hi frequency signal with connection to power source
- Terminal joint: wire soldering, wire crimping, plate soldering, soldering free and plate crimping
- Contact pin: 9~50 pins, 2~8 pins for power source
- Working voltage:300V~500V
- Working current:1A~30A

The detail refer to the manual of Military Rectangle Connector



### F8380系列圆形连接器

- 参照法国SOURIAU标准;
- 连接方式: 螺纹连接;
- 端接方式: 导线压接;
- 接触件数目: 4、7、9、19芯;
- 工作电流: 15A;
- 额定工作电压: 380V、500V

详见《工业电连接器》选用手册

### F8380 Series Circular Connector

- Refer to France Souriau standard
- Connection type: thread connection
- Terminal joint: wire crimping
- Contact pin : 4, 7, 9, 19 pins
- Working current: 15A
- Voltage rating: 380V, 500V

The detail refer to the manual of Industrial Electrical Connector



### CD4系列矩形连接器

- 参照日本标准;
- 连接方式: 直插式连接杠杆锁紧;
- 端接方式: 导线压接;
- 出线方式: 直出线或侧出线;
- 接触件数目: 27、44、50芯;
- 工作电流: 10A;

详见《工业电连接器》选用手册

### CD4 Series Rectangle Connector

- Refer to Japan standard
- Connector type: straight insertion connection with lever locking tight
- Terminal joint: wire crimping
- Wire output: straight out or side out
- Contact pin: 27, 44, 50 pins
- Working current:10A

The detail refer to the manual of Industrial Electrical Connector



### M系列微圆形连接器

- 包含有M16型、M12型、M8型、M5型等连接器;
- 符合IEC60130-9、IEC 61076-2-101等标准规范;
- 接触件数量: 2芯~17芯;
- 连接方式: 螺纹连接;
- 密封防护等级: IP67;
- 盐雾等级: 48小时、96小时、196小时、576小时;

详见《通讯圆形连接器》选用手册

### M Series Micro Circular Connector

- Including M16, M12, M8, M5 etc.
- Conform to IEC60130-9, IEC61076-2-101 standard
- Contact pin:2 pins~17 pins
- Connection type: thread connection
- Sealing protection: IP67
- Salt resistance: 48Hrs, 96Hr, 196Hrs, 576Hrs.

The detail refer to the manual of Telecomm Circular Connector



### 40~60芯弹性触头接触式电气车钩连接器总成

- 广泛应用于地铁车钩缓冲装置中电气连接,可实现自动开闭盖;
- 额定电流: 10A/3A;
- 额定电压: 110V DC;
- 机械寿命: 联挂 $\geq$ 1000次(插拔次数); 弹性触头 $\geq$ 10万次;
- 防护等级: IP55;

### Electrical Coupler Connector With 40~60 Pins And Flexible Contact

- Widely apply to electrical connection in the buffer device of metro coupler, with auto open and close
- Current rating: 10A/3A
- Voltage rating: 110V DC
- Mechanical endurance: co-link $\geq$ 1000 times (insertion and pull times)  
Flexible contact pin $\geq$ 100000 times
- Protection: IP55



### HDC系列重载电连接器

- 符合DIN EN 175301-801、DIN EN 61984、DIN EN 60664-1标准;
- HDC系列有小型A型、高密度D型、超高密度DD型、通用E型、紧凑EE型、模块MOD型、混装K型、高压VE型和Q型等类型;
- 连接方式: 机械锁紧快速连接;
- 接触件: 冠簧式;
- 端接形式: 导线压接;
- 额定工作电压: 230V~2000VV
- 工作电流: 1A~200A;

详见《HDC重载连接器》选用手册

### HDC Series Heavy Duty Electrical Connector

- Conform to DIN EN175301-801, DIN EN61984, DIN EN 60664-1 standard
- Including mini model A, hi density model D, super hi density model DD, general model E, compact model EE, module MOD, mixed model K, hi voltage model VE and model Q etc.
- Connection type: mechanical locking tight and rapid connection
- Contact: crown-like spring
- Terminal joint: wire crimping
- Working voltage:230V~2000V
- Working current:1A~200A

The detail refer to the manual of HDC Heavy Duty Connector



### 动车组电气车钩连接器总成

- 用于CRH1/380D型动车组;
- 采用弹性接触件,接触形式为端面接触;
- 接触件端接形式为压接;
- 接触件数量: 164芯;
- 额定工作电压: 110V;
- 额定工作电流: 20A/3A(信号);
- 机械寿命: 1000次联挂;

### Electrical Coupler Connector for CRH

- Apply to CRH1/380D train set
- Flexible contact with face contact
- Terminal joint: crimping
- Contact pin: 164 pins
- Working voltage:110V
- Working current: 20A/3A(signal)
- Mechanical endurance: 1000 times co-link



## 电源类连接器 Power connectors



### JL型电源类圆形连接器

- 符合铁道部标准TB/T2761-1996;
- 连接方式: 卡口连接、螺纹连接;
- 端接方式: 导线焊接、导线压接;
- 接触件数目: 1~61芯;
- 工作电流: 5A~160A;

详见《工业电连接器》选用手册

### JL Series Circular Connector for Power Source

- Conform to Railways Department Standard of TB/T2761-1996
- Connection type: buckle, thread connection
- Terminal joint: wire soldering, wire crimping
- Contact pin: 1-61pins
- Working current: 5A~160A

The detail refer to the manual of Industrial Electrical Connector



### RT系列牵引电机矩形连接器

- 主要应用于地铁车辆牵引电机的电气连接器;
- 工作电流: 200~400A;
- 工作电压: DC 1000~1500V;
- 连接方式: 螺栓连接;
- 端接方式: 电缆压接;
- 防护等级: IP67;

详见《工业电连接器》选用手册

### RT Series Traction Motor Rectangle Connector

- Apply mainly to traction motor of metro vehicle
- Working current: 200~400A
- Working voltage: DC1000~1500V
- Connection type: threaded bolt connection
- Terminal joint: cable crimping
- Protection: IP67

The detail refer to the manual of Industrial Electrical Connector



### DL4机车车辆端动力连接器

- 符合GB/T25023-2010机车车辆端动力连接器标准;
- 连接方式: 杠杆卡锁连接;
- 端接方式: 电缆压接;
- 具有拆卸方便、防雨淋、防尘、抗振动冲击等优点;
- 接触件数目: 4芯;
- 工作电流: 425A、670A、940A;

详见《工业电连接器》选用手册

### DL4 Series power connector for locomotive, Vehicle and Vehicle End

- Conform to the standard of GB/T25023-2010 for the power connector of locomotive, vehicle and vehicle end
- Connection type: level buckle locking connection
- Terminal joint: cable crimping
- Easy release, rainproof, dust proof, anti-vibration & punching etc.
- Contact pin: 4 pins
- Working current: 425A, 670A, 940A

The detail refer to the manual of Industrial Electrical Connector



### 电钩箱连接器

- 用于各种地铁车辆;
- 采用HDC系列重载连接器组合为电钩系统实现功率、信号的传输;
- 连接方式: 螺栓连接锁紧;
- 机械寿命: 750次;

### Connector for Electric Coupler Box

- Apply to metro vehicles
- Combining HDC heavy duty connectors as electric coupler system to transferring the power and signal
- Connection type: threaded bolt locking tight
- Mechanical endurance: 750 times



### JL型防爆圆形连接器

- 符合IEC60079-15/2001标准要求;
- 连接方式: 卡口连接、螺纹连接;
- 端接方式: 导线压接;
- 接触件数目: 4芯;
- 工作电流: 15A~320A ;

详见《工业电连接器》选用手册

### JL Series Explosion-proof Circular Connector

- Conform to IEC60079-15/200 standard
- Connection type: buckle, thread connection
- Terminal joint: wire crimping
- Contact pin: 4 pins
- Working current: 15A~320A

The detail refer to the manual of Industrial Electrical Connector



### HDC系列重载电连接器

- 符合DIN EN 175301-801、DIN EN 61984、DIN EN 60664-1标准;
- HDC系列有小型A型、高密度D型、超高密度DD型、通用E型、紧凑EE型、模块MOD型、混装K型、高压VE型和Q型等类型;
- 连接方式: 机械锁紧快速连接;
- 接触件: 冠簧式;
- 端接形式: 导线压接;
- 额定工作电压: 230V~2000VV
- 工作电流: 1A~200A;

详见《HDC重载连接器》选用手册

### HDC Series Heavy Duty Electrical Connector

- Conform to DIN EN175301-801, DIN EN61984, DIN EN 60664-1 standard
- Including mini model A, hi density model D, super hi density model DD, general model E, compact model EE, module MOD, mixed model K, hi voltage model VE and model Q etc.
- Connection type: mechanical locking tight and rapid connection
- Contact: crown-like spring
- Terminal joint: wire crimping
- Working voltage: 230V~2000V
- Working current: 1A~200A

The detail refer to the manual of HDC Heavy Duty Connector





# 电动汽车互连系统

## Electric vehicle interconnect system

**高压线束**  
Cable group for hi voltage



**EVS系列信号系统连接器**  
EVS series connector for signal system



**EVP系列电源系统连接器**  
EVP series connector for power system



**EVIL系列互锁连接器**  
EVIL series interlocking connector



**EVC系列充电接口**  
EVC series interface for charging



**EVB系列高压配电箱**  
EVB series hi voltage distribution box



**EVC系列电动汽车充电接口** EVC series charging interface for electric vehicle



- 产品符合国家标准：GB/T20234-2015，有直流充电接口和交流充电接口两种类别；  
Conform to national standard of GB/T20234-2015, with DC charging interface and AC charging interface.

**EVB系列高压配电箱** EVB series Hi Voltage Distribution Box



- PDU系列高压配电箱（箱）为电动汽车提供电力分配，传送到电机、空调、加热器、OBC、电池等系统设备。
- 主要由高压连接器、熔断器、继电器、接线盒等连接组成，实现电力的分配、传送和控制。
- 一般情况下，PDU平台电压高，防护等级可达IP67及EMC等。
- PDU主要是根据不同车型、不同电气原理（电路）设计进行定制研制，满足不同需求。
- 我可以为多款电动汽车研制PDU，具有丰富的经验。
- PDU series hi voltage distribution box is used to distribute the power for electric vehicle and transfer the power to electric motor, air conditioner, heater, OBC, batter etc. system devices.
- It is combination of Hi voltage connector, fuse, relay, box etc. and to finish the power distributed, transmission and control
- Usually, due to hi voltage of PDU platform, the protection level is up to IP67 and EMC etc.
- PDU shall be customized according to the different vehicle, different circuit design.
- The company is experienced for design of PDU for many electric vehicle.



**EVS系列信号系统连接器**  
EVS series connector for signal system

- 具有卡口/推拉快速联锁和分离，适合信号传输；
- 外壳采用铝合金镀镍/氧化，具有良好的机械性能和耐环境性能；
- 具有高压互锁及防呆功能；
- 尾部采用360° 电磁屏蔽附件/接头；
- 防护等级可达IP67；
- 额定电流5A ~ 40A；
- 耐压可达3000V(AC)；



**EVIL系列互锁连接器**  
EVIL series interlocking connector

- 小电流高压互锁连接器在高压部分分离前通过HVIL切断电压，在保护操作人员安全的前提下，进一步实现高压电路的物理断路。该系列连接器主要用于电动汽车空调压缩机、PTC、充电机、DCDC、高压配电箱等的电气连接器。
- 可实现360° 全屏蔽；
- 可实现二次互锁和解锁；
- 具有延时高压互锁功能；
- 两端防呆键位采用多种不同组合实现防错插功能；



**EVP系列电源系统连接器**  
EVP series connector for power system

- 具有卡口/推拉快速联锁和分离，适合功率传输；
- 外壳采用铝合金镀镍/氧化，具有良好的机械性能和耐环境性能；
- 具有高压互锁及防呆功能；
- 尾部采用360° 电磁屏蔽附件/接头；



## 线缆组件

### Cable Assemblies

线缆组件采用一定的端接方式和防护方法将电连接器与电线或电缆连接成一体，实现设备与设备之间、仪器和仪器之间的电气连接和分离，用以传输电能、电子信息和电磁转换等功能。

线缆组件主要应用于航空、航天、舰船、兵器、铁路、电子、电源、商用电器等各类军用、民用领域。线缆组件可为整机量身定做，提供完整的连接方案，满足设备高端化、综合化、集成化、高密度、轻型化的发展要求。

The cable assemblies are made to join the electric connector to wire or cable with some certain terminal connection or protection, so as to realize the connection of different devices or instruments, and to complete the power transmission, electronic information and electromagnetic transformation.

The cable assemblies are applied to aviation, space, ships, weapons, railways, electronics, power supply, commercial appliance etc. in the field of military and civil. Which shall be customized for a full solution to meet the development requirement of hi-end, comprehensiveness, integration, hi density, miniature.

