

## Module Power Connector



### I 概述

DJL系列连接器是模块电源接口专用产品，可与同行中同类产品完全互换，并通过了UL安全认证（E319259）。该系列产品采用了技术先进的单叶回转双曲面式线簧插孔和冠簧插孔为接触件，因而使产品具有高动态接触可靠性。

该系列产品的接触件采用镀金或镀银表面处理；插头装插针，插座装插孔，其端接方式有压接、焊接和板接（印制板）三种。

该系列产品每类插针通常有三种长度可供选择，分别是长型插针，标准型插针和短型插针，以满足用户不同使用要求；也可根据用户之要求定制。

注：冠簧材料选用的是高弹性、高强度的铍青铜。采用冠簧结构插孔具有平滑圆弧接触面，插拔较柔和，同时能保证最大接触面。因而采用冠簧结构的插孔接触电阻低（压降小），温升小，而且抗震、抗振能力很高，因而采用冠簧结构的产品具有高动态接触可靠性。

### I Overview

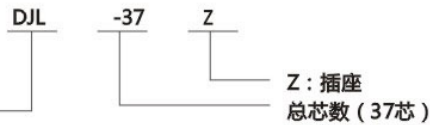
DJL series connector module power supply interface special products, and peer in the same products fully interchangeable, and in 2011 passed UL safety certification (E319259) this series of products adopt the advanced technology of the hyperboloid of one sheet type wire spring hole and jack hole for contact, so the product has high dynamic contact reliability.

This series products of contact with gold or silver plated surface treatment; the plug pin, jack socket device, the terminal is press-fit, welding and board (PCB) three type.

This series products of each type of pin usually have three lengths can be selected, respectively is the long pin, standard type pin and short pin, to meet the needs of users of different needs; can also be based on user requirements custom. Note: Spring crown material selection is the high elasticity, high strength beryllium bronze. With spring crown structure with smooth arc contact face jack, plug is soft, and can ensure the maximum contact surface. Thus the spring crown structure of the jack contact resistance is low (low pressure), the temperature rise is small, and seismic resistance, anti-vibration ability is very high, so the spring crown structure of the products with high

### I 型号命名

模块电源连接器（注：接触件相互借用，规格型号另行单独说明）



### I 技术参数 Technical Parameters

额定电压 (伏特)/Rated voltage (Volts)	250V	寿命/Life	800
相对湿度 / Relative humidity	90%~95% (40±2℃时)	工作温度 (°C) Working Temperature (°C)	-55°C...+125°C
电气特性 / Electrical characteristics	见下表	振动/ Vibration	10~2000Hz 147m/s <sup>2</sup>

### I 电气性能 Electrical characteristics

产品型号	接触件规格	数目	孔位号	额定电流 (A)	接触电阻 (mΩ)	耐电压 (VAC)	绝缘电阻 (MΩ)
DJL-37	8#	4	34~37	75	≤0.5	≥2000	≥3000
	12#	9	1~9	35	≤1	≥2000	≥3000
	20#	24	10~33	5	≤5	≥1000	≥3000
DJL-29	12#	8	1~4; 26~29	35	≤1	≥2000	≥3000
	20#	21	5~25	5	≤5	≥1000	≥3000
DJL-29A	16#	8	1~4; 26~29	15	≤3	≥1500	≥3000
	20#	21	5~25	5	≤5	≥1000	≥3000
DJL-29B	16#	4	1~4	15	≤3	≥1500	≥3000
	20#	21	5~25	5	≤5	≥1000	≥3000
DJL-25	12#	4	26~29	35	≤1	≥2000	≥3000
	12#	10	1~4; 20~25	35	≤1	≥2000	≥3000
	20#	15	5~19	5	≤5	≥1000	≥3000

### I 接触件选型说明

#### 1. 插针 ( PIN SIDE CONTACTS )

##### ①. 20# 插针 ( Contact Size 20# Pin )

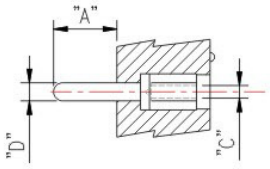
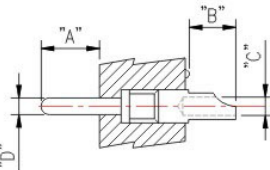
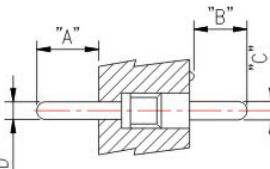
Termination Type 端接形式	Contact part No. 接触件代号	Dimensions 标注尺寸	-A- mm	-B- mm	-C- mm	-D- mm
Crimp, standard 压接, 标准型	DJL37-01-07YD		8.1	N/A	1.20	1.01
Crimp, premate 压接, 长型	DJL37-01-07YE		11.9	N/A	1.20	1.01
Crimp, Postmate 压接, 短型	DJL37-01-07YF		6.8	N/A	1.20	1.01
Solder cup, standard 焊接, 标准型	DJL37-01-07HD		8.1	4.6	1.3	1.01
Solder cup, premate 焊接, 长型	DJL37-01-07HZ		11.9	4.6	1.30	1.01
Solder cup, postmate 焊接, 短型	DJL37-01-07HF		6.8	4.6	1.30	1.01
PCB tail, standard 板接, 标准型	DJL37-01-07BD		8.1	3.9	1.00	1.01
PCB tail, premate 板接, 长型	DJL37-01-07BZ		6.8	3.9	1.00	1.01
PCB tail, postmate 板接, 短型	DJL37-01-07BF		6.8	3.9	1.00	1.01

##### ②. 16# 插针 ( Contact Size 16# Pin )

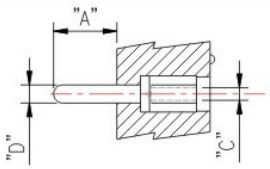
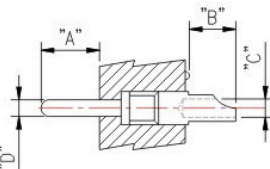
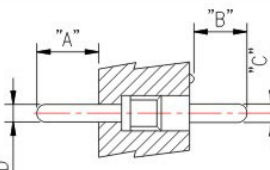
Termination Type 端接形式	Contact part No. 接触件代号	Dimensions 标注尺寸	-A- mm	-B- mm	-C- mm	-D- mm
Crimp, standard 压接, 标准型	DJL29-01-08YA		8.4	N/A	1.70	1.57
Crimp, premate 压接, 长型	DJL29-01-08YB		12.2	N/A	1.70	1.57
Crimp, Postmate 压接, 短型	DJL29-01-08YC		7.4	N/A	1.70	1.57
Solder cup, standard 焊接, 标准型	DJL29-01-08HA		8.4	4.8	2.00	1.57
Solder cup, premate 焊接, 长型	DJL29-01-08HB		12.2	4.8	2.00	1.57
Solder cup, postmate 焊接, 短型	DJL29-01-08HC		7.4	4.8	2.00	1.57
PCB tail, standard 板接, 标准型	DJL29-01-08BA		8.4	4.4	1.6	1.57
PCB tail, premate 板接, 长型	DJL29-01-08BB		12.2	4.4	1.6	1.57
PCB tail, postmate 板接, 短型	DJL29-01-08BC		7.4	4.4	1.6	1.57

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### ③.12#插针 ( Contact Size 12# Pin )

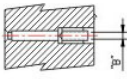
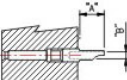
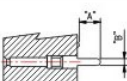
Termination Type 端接形式	Contact part No. 接触件代号	Dimensions 标注尺寸	-A- mm	-B- mm	-C- mm	-D- mm
Crimp, standard 压接, 标准型	DJL37-01-09YA		10.9	N/A	2.60	2.38
Crimp, premate 压接, 长型	DJL37-01-09YB		11.7	N/A	2.60	2.38
Crimp, Postmate 压接, 短型	DJL37-01-09YC		9.9	N/A	2.60	2.38
Solder cup, standard 焊接, 标准型	DJL37-01-09HA		10.8	4.1	2.60	2.38
Solder cup, premate 焊接, 长型	DJL37-01-09HB		11.5	4.1	2.60	2.38
Solder cup, postmate 焊接, 短型	DJL37-01-09HC		9.7	4.1	2.60	2.38
PCB tail, standard 板接, 标准型	DJL37-01-09BA		10.8	5.1	2.38	2.38
PCB tail, premate 板接, 长型	DJL37-01-09BB		11.5	5.1	2.38	2.38
PCB tail, postmate 板接, 短型	DJL37-01-09BC		9.7	5.4	2.38	2.38

### ④.8#插针 ( Contact Size 8# Pin )

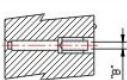
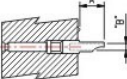
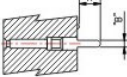
Termination Type 端接形式	Contact part No. 接触件代号	Dimensions 标注尺寸	-A- mm	-B- mm	-C- mm	-D- mm
Crimp, standard 压接, 标准型	DJL37-01-05YA		10.8	N/A	4.5	3.60
Crimp, premate 压接, 长型	DJL37-01-05YB		12.0	N/A	4.5	3.60
Solder cup, standard 焊接, 标准型	DJL37-05-03HA		10.8	7.0	4.8	3.60
Solder cup, premate 焊接, 长型	DJL37-05-03HB		12.0	7.0	4.8	3.60
PCB tail, standard 板接, 标准型	DJL37-05-03BA		10.8	7.0	3.60	3.60
PCB tail, premate 板接, 长型	DJL37-05-03BB		12.0	7.0	3.60	3.60

### 2. 插孔 ( SOCKET SIDE CONTACTS )

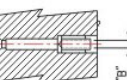
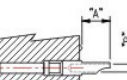

#### ①. 20#插孔 ( Contact Size 20# Socket )

Termination Type 端接形式	Contact part No. 接触件代号	Dimensions 标注尺寸	-A-	-B-
			mm	mm
Crimp 压接	DJL37-02-04YB		N/A	1.20
Solder cup 焊接	DJL37-02-04HB		4.8	1.30
PCB tail 板接	DJL37-02-04BB		4.3	1.00

#### ②. 16#插孔 ( Contact Size 16# Socket )

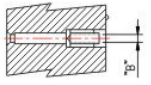
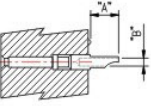
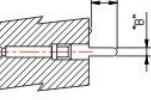
Termination Type 端接形式	Contact part No. 接触件代号	Dimensions 标注尺寸	-A-	-B-
			mm	mm
Crimp 压接	DJL29-02-06GY		N/A	1.70
Solder cup 焊接	DJL29-02-06GH		4.7	2.00
PCB tail 板接	DJL29-02-06GB		4.6	1.60

#### ③. 12#插孔 ( Contact Size 12# Socket )

Termination Type 端接形式	Contact part No. 接触件代号	Dimensions 标注尺寸	-A-	-B-
			mm	mm
Crimp 压接	DJL37-02-05GY		N/A	2.60
Hot plug crimp 压接 ( 热拔 )	DJL37-02-05GYR		N/A	2.60
Solder cup 焊接	DJL37-02-05GH		4.8	2.60
Hot plug solder cup 焊接 ( 热拔 )	DJL37-02-05GHR		4.8	2.60
PCB tail 板接	DJL37-02-05GB		5.5	2.38
Hot plug PCB tail 板接 ( 热拔 )	DJL37-02-05GBR		5.5	2.38

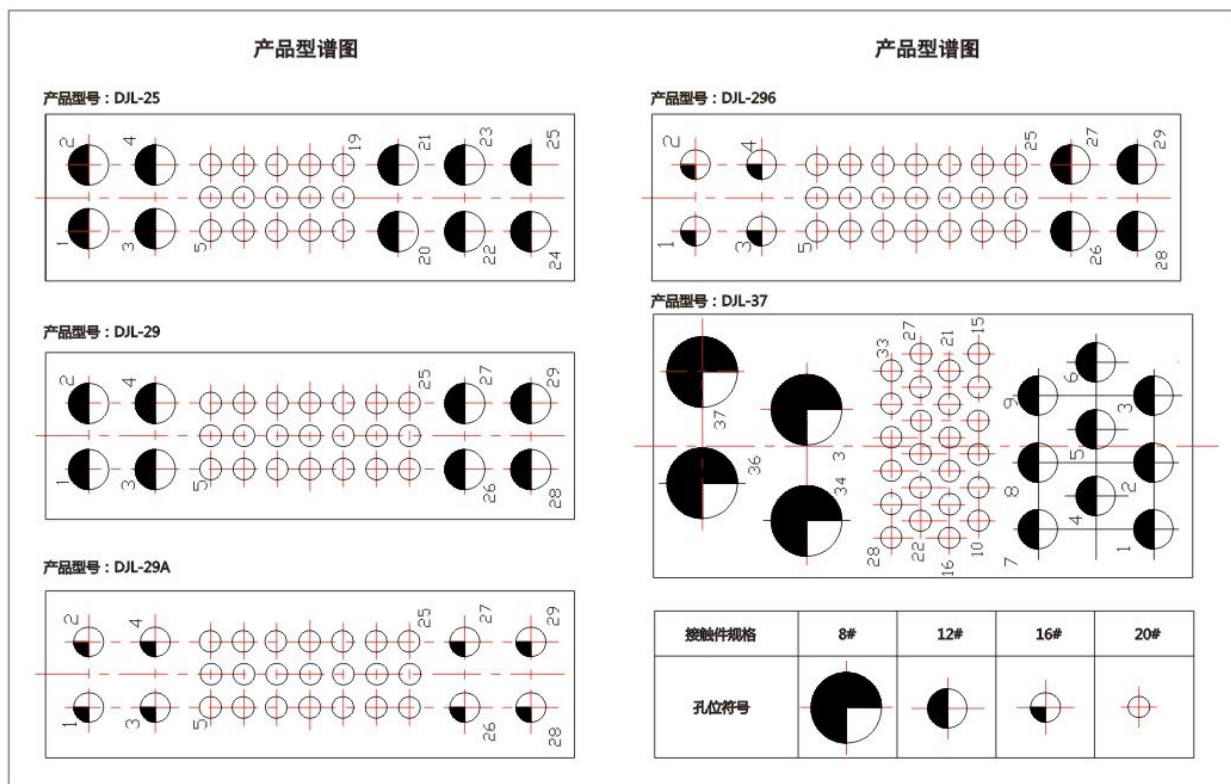
## Module Power Connector

### ④. 8#插孔 ( Contact Size 8# Socket )

Termination Type 端接形式	Contact part No. 接触件代号	Dimensions 标注尺寸	-A-	-B-
			mm	mm
Crimp 压接	DJL37-02-03Y		N/A	4.50
Solder cup 焊接	DJL37-04-04H		10.8	4.80
PCB tail 板接	DJL37-04-04B		7.3	3.60

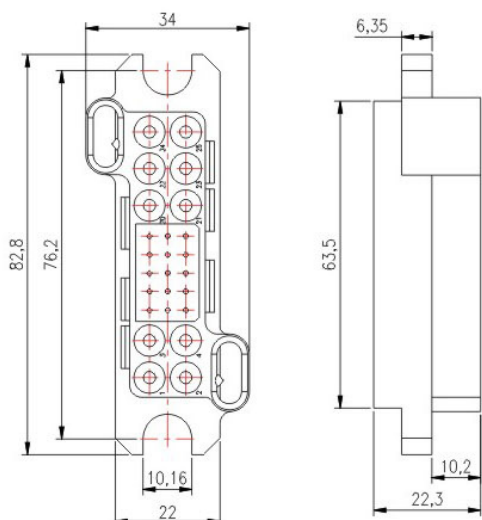
### 外形尺寸及安装尺寸/Outline dimensions and mounting dimensions

1. 接点型谱图 ( 从插头结合面看 )  
Contact type spectrum ( from the plug combination side )

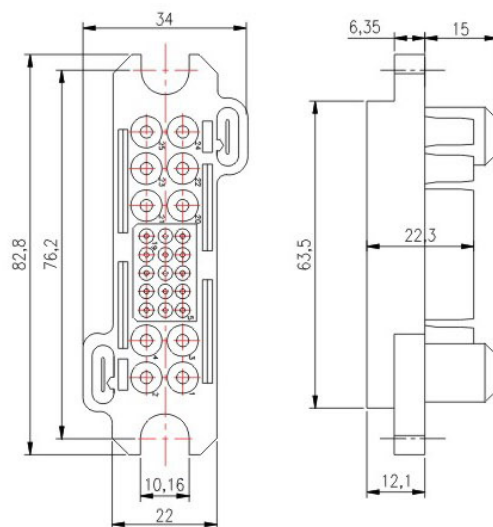


## Module Power Connector

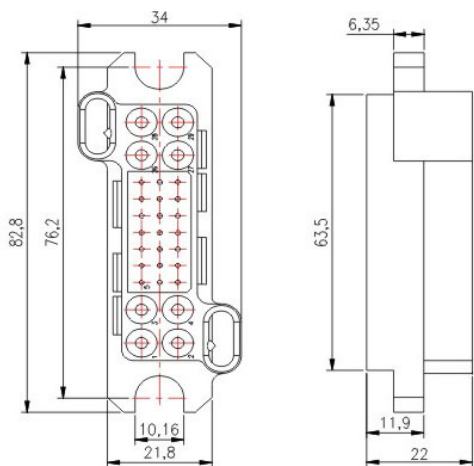
### 2.外形及安装尺寸/Outline and mounting dimensions



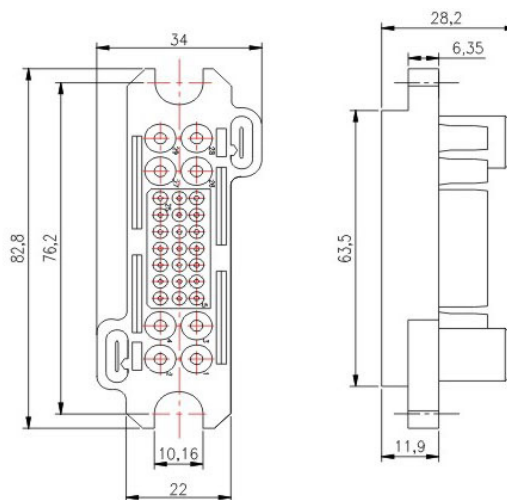
**DJL-25T**



**DJL-25Z**

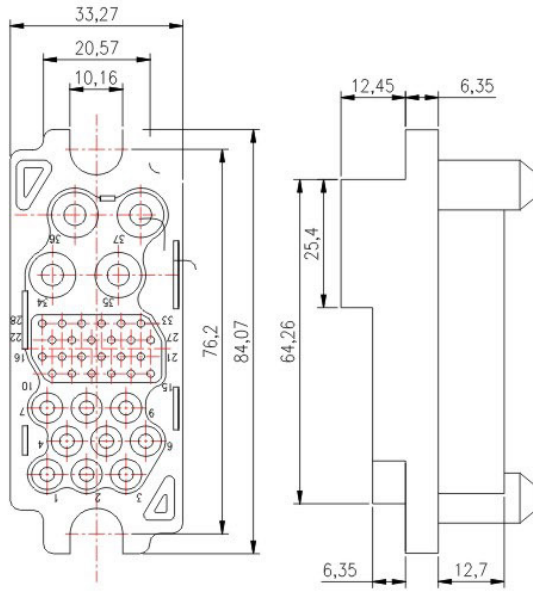


**29  
DJL-29A T  
29B**

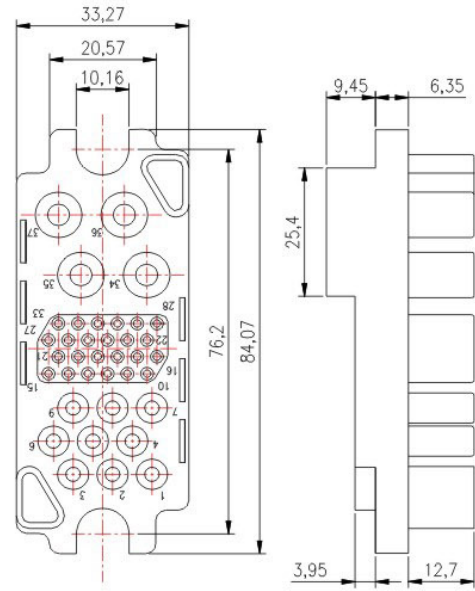


**29  
DJL-29A Z  
29B**

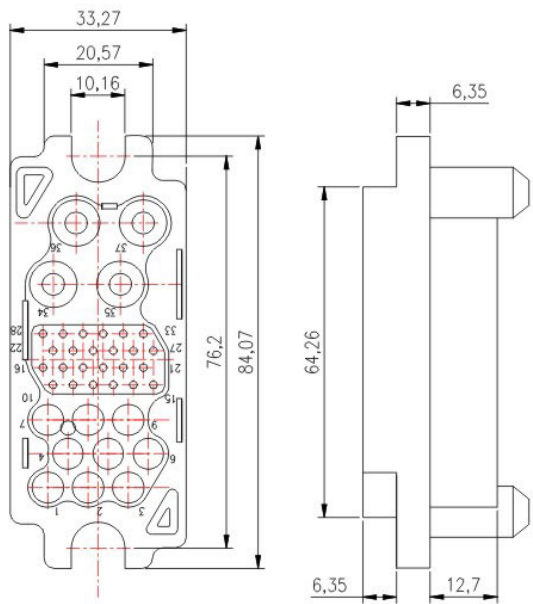
## Module Power Connector



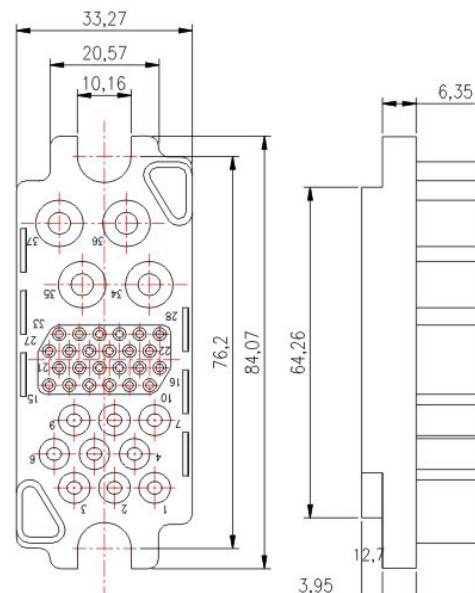
DJL-37T



DJL-37Z

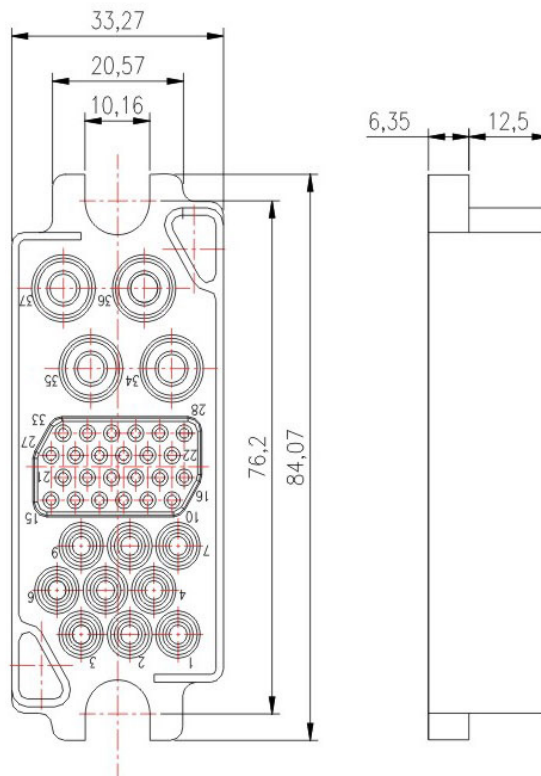


DJL-37TB



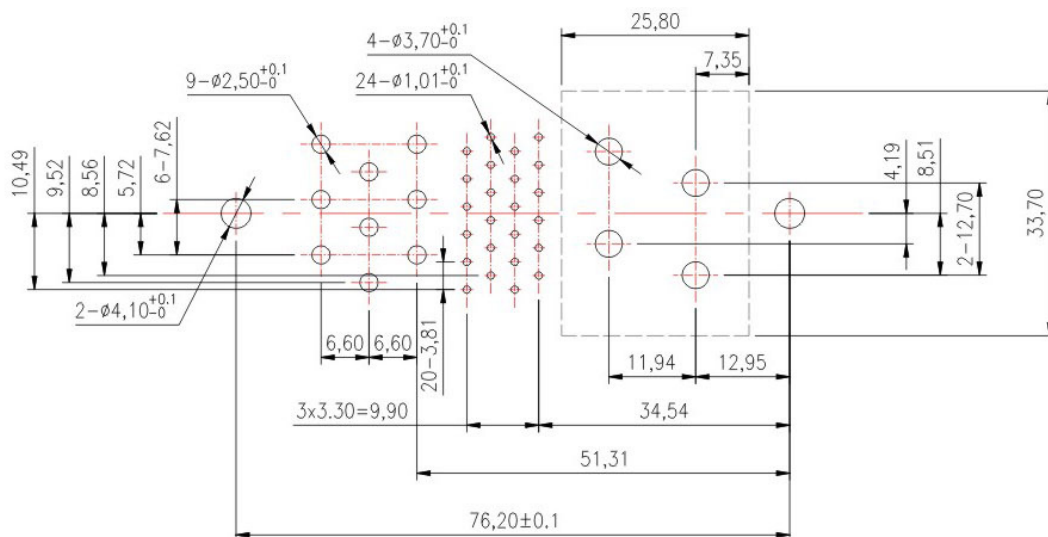
DJL-37ZB

## Module Power Connector



DJL-37WZ

### 3.DJL37系列安装开孔尺寸 / DJL37series installation hole size

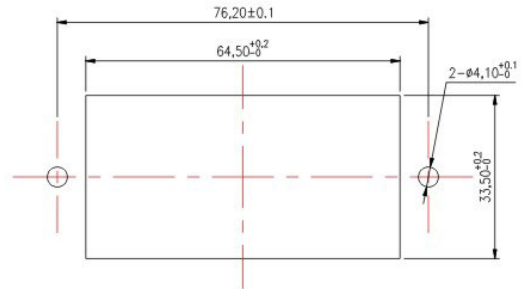
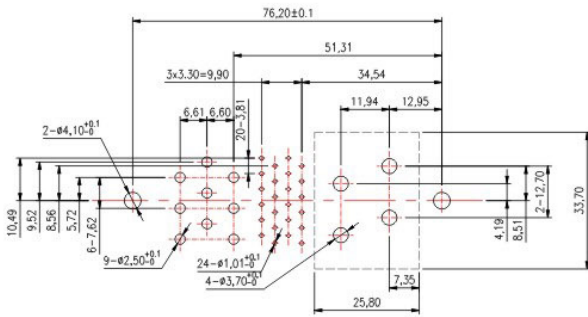




## Module Power Connector

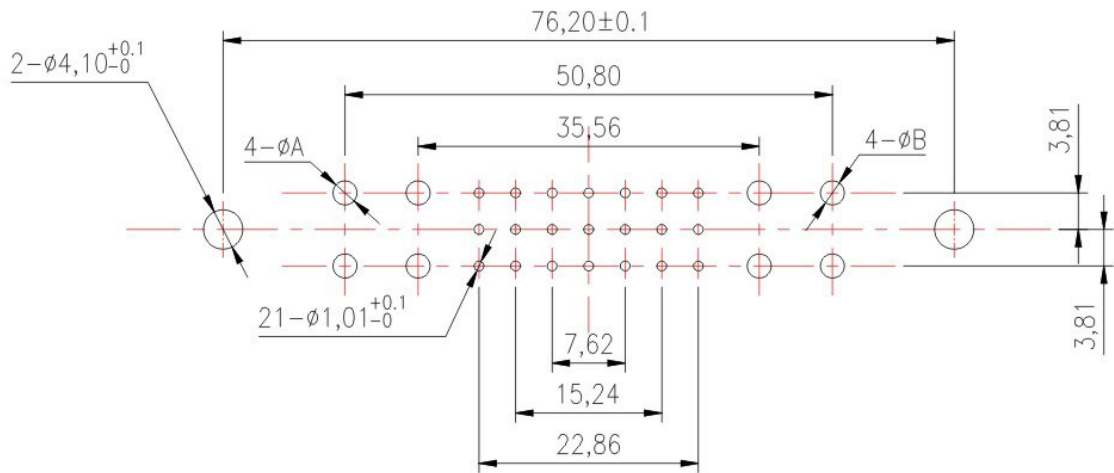
### DJL37系列插头印制板安装开孔尺寸 DJL37 Series Plug PCB mounting holes

### DJL37系列插座印制板安装开孔尺寸 DJL37 series socket PCB mounting holes



DJL37面板安装开孔尺寸/DJL37panel mounting hole size

### 4.DJL29系列安装开孔尺寸 DJL29series installation hole size

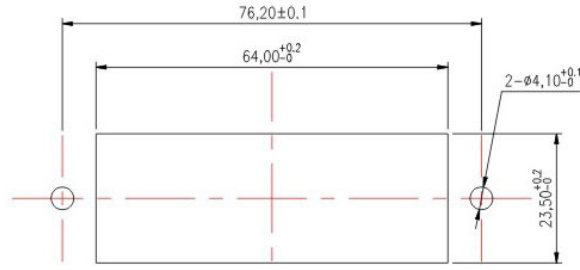


DJL29印制板安装开孔尺寸/DJL29PCB mounting holes

注：尺寸ΦA、ΦB见下表

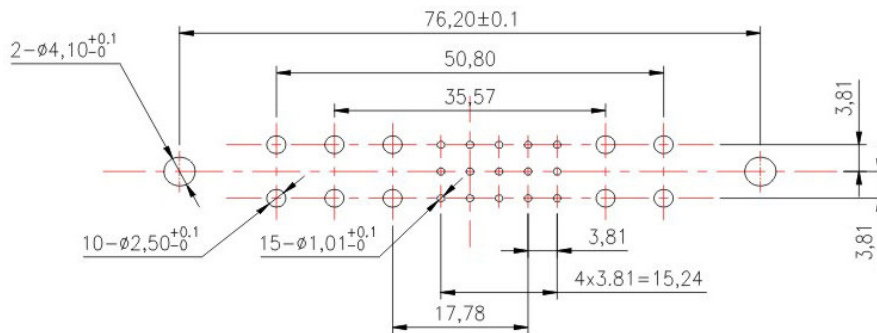
产品型号	ΦA ( mm )	ΦB(mm)
DJL-29	2.50	2.50
DJL-29A	1.70	1.70
DJL-29B	1.70	2.50

## Module Power Connector

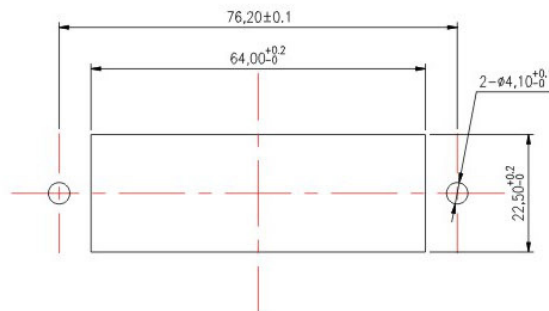


DJL29面板安装开孔尺寸/DJL29panel mounting hole size

### 5. DJL25系列安装开孔尺寸/ DJL25series installation hole size



DJL25面板安装开孔尺寸/ DJL25 panel mounting hole size

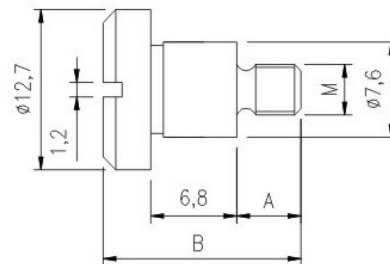


### 6. 安装螺钉选型说明

代号	A (mm)	B(mm)	M
DJL37-03C	5.1	16	M4x0.7
DJL37-03D	7.9	18.8	M4x0.7
DJL37-03E	5.1	16	#8-32 UNC 2A
DJL37-03F	5.1	16	#6-32 UNC 2A

注：以上为浮动安装螺钉。

Note: the above is a floating mounting screw



**产品使用方法及注意事项****1. 接触件安装与使用（按端接形式分）**

（板接）PCB端接形式：选用的PCB（印制板），必须满足所能承受的最大电流，其安装孔位请参照本产品相应孔位排列图制做，以满足互配性要求。

焊接形式：可以将相应电缆线端头热搪锡后，直接用手工烙铁焊接在接触件焊线杯上，每根接触件外露接线端头应用热收缩管绝缘处理（或其它绝缘处理）。

压接形式：首先要根据接触件正确选用的电缆线，并按要求剥头后，使用专用压线工具将其压入接触件孔中。

**Product use method and matters needing attention****1: The contact mounting and use (by termination points)**

PCB Termination type: the selection of PCB (printed circuit board), must meet the maximum current of the installation hole, please refer to the corresponding holes arranged product map making, in order to meet the matching requirements.

Welding type: can be corresponding cable end hot tin, directly by hand soldering in contact wire cup, each contact exposed wiring end application of thermal contraction pipe insulation (or other insulating treatment).

Crimping type: first according to the contact of a correct selection of cable, and according to the requirements of the stripping, use the special crimping tool press into the contact hole in.

接触件规格	可选用电线规格 (AWG)	压接剥头长度 (mm)	压接接头搞拉强度 (N)
8#	8~10 (8AWG最佳)	11.4	>400
12#	12~14 (12AWG最佳)	6.5	>250
16#	16~18 (16AWG最佳)	6.8	>100
20#	20~24 (20AWG最佳)	5.2	>40

注：压接质量是否满足使用要求，用上表中最低抗拉强度垂直拉扯，压线压接头应无任何松动。

Note: the crimping quality can meet the requirements of usage, with the table minimum tensile strength of vertical pulling, pressing pressure joints should be no loose

**2. 连接器安装：/ Connector mounting:**

本产品插头、插座安装最好都采用浮动安装形式（选用浮动安装螺钉）用户可以根据自己的使用要求采用面板安装或者PCB安装。

This product plug, socket mounted preferably using floating installation form (optional floating mounting screws), the user can according to their own requirements for the use of the panel is mounted or PCB installation

**3. 本产品选型及使用注意事项：/ This product selection and notes**

用户根据实际需要正确选用合适的接触件端接形式（焊接、压接、板接）。

The user according to the actual needs of correct selection of suitable contact termination (welding, crimping, plate.)

每类插针有三种长度规格可供选择（见接触件选型说明），在选择长短针时用户必须清楚本产品使用时各类插插合时先后接触顺序。

Each pin has three length specifications are available (see contact selection instructions), in the selection of long pin and short pin when the user must know when using this product has various inserted timely contact order

当将接触件（插针、插孔）安装放入插头和插座壳体相应孔内时，必须将接触件顶到位，确保被定位爪卡位定位（轴向反向顶不出接触件）。

When the contact member (pin, Jack) is mounted into the plug and socket casing corresponding hole, must be in place to ensure that the contact piece top, was positioning claw clamping positioning (axial reverse top no contact).

本产品在使用中有带电插拔作业要求时，请特别申明，推荐选用镀金接触件（包括插针插孔）。

The products are in use in hot-plugging operation requirements, please note, recommend choose gold plated contacts (including pin jack)

**订货说明/ Order description****1. 订购插头 (Pin Assembly)**

请选择订购插头组件（壳体）(Pin Housing) {请填写插头组件（壳体）选择菜单}；

Please select the order plug assembly (shell) (Pin Housing) { please fill plug assembly (shell) selection menu };

请选择订购插针（请填写插针选择菜单）；

Please choose order pin ( please provide pin selection menu );

### 插头组件 (壳体) 选择菜单 (Pin Housing Selection Menu)

纳百川公司代号	订购数量	备注
DJL37-01-00		
DJL37-05-00		一般用于板接或焊接
DJL29-01-00		12# , 20# , 12#
DJL29-03-00		16# , 20# , 16#
DJL29-05-00		16# , 20# , 12#
DJL25-01-00		

### 插孔选择菜单 (Socket Contact Selection Menu)

接触件规格、名称、端接形式 Size, Termination Type		接触件代号 (Contact part No.)	订购数量	镀金 Gold	镀银 Silver
20#插孔	压接、标准型 (Crimp, Standard)	DJL37-01-07YD			
	压接、长型 (Crimp, Premate)	DJL37-01-07YE			
	压接、短型 (Crimp, Postmate)	DJL37-01-07YF			
	焊接、标准型 (Solder cup, Standard)	DJL37-01-07HD			
	焊接、长型 (Solder cup, Postmate)	DJL37-01-07HE			
	焊接、短型 (Solder cup, Postmate)	DJL37-01-07HF			
	板接、标准型 (PCB tail, Standard)	DJL37-01-07BD			
	板接、长型 (PCB tail, Premate)	DJL37-01-07BE			
16#插孔	板接、短型 (PCB tail, Postmate)	DJL37-01-07BF			
	压接、标准型 (Crimp, Standard)	DJL29-01-08YA			
	压接、长型 (Crimp, Premate)	DJL29-01-08YB			
	压接、短型 (Crimp, Postmate)	DJL29-01-08YC			
	焊接、标准型 (Solder cup, Standard)	DJL29-01-08HA			
	焊接、长型 (Solder cup, Postmate)	DJL29-01-08HB			
	焊接、短型 (Solder cup, Postmate)	DJL29-01-08HC			
	板接、标准型 (PCB tail, Standard)	DJL29-01-08BA			
12#插孔	板接、长型 (PCB tail, Premate)	DJL29-01-08BB			
	板接、短型 (PCB tail, Postmate)	DJL29-01-08BC			
	压接、标准型 (Crimp, Standard)	DJL37-01-09YA			
	压接、长型 (Crimp, Premate)	DJL37-01-09YB			
	压接、短型 (Crimp, Postmate)	DJL37-01-09YC			
	焊接、标准型 (Solder cup, Standard)	DJL37-01-09HA			
	焊接、长型 (Solder cup, Postmate)	DJL37-01-09HB			
	焊接、短型 (Solder cup, Postmate)	DJL37-01-09HC			
8#插孔	板接、标准型 (PCB tail, Standard)	DJL37-01-09BA			
	板接、长型 (PCB tail, Premate)	DJL37-01-09BB			
	板接、短型 (PCB tail, Postmate)	DJL37-01-09BC			
	压接、标准型 (Crimp, Standard)	DJL37-01-05YA			
	压接、长型 (Crimp, Premate)	DJL37-01-05YB			
	焊接、标准型 (Solder cup, Standard)	DJL37-05-03HA			
	焊接、长型 (Solder cup, Postmate)	DJL37-05-03HB			
	板接、标准型 (PCB tail, Standard)	DJL37-05-03BA			
	板接、长型 (PCB tail, Premate)	DJL37-05-03BB			

注：通常8#、16#插针镀银，20#插针镀金，12#插针有镀金与镀银可选，订货时请注明电镀要求。  
Note: usually 8#, 16# Pin Silver Plated, gold plated 20# pin, 12pin gold and silver # optional, when ordering please specify electroplating requirements.

### 2.订购插座 ( Socket Assembly )

请选择订购插座组件 ( 壳体 ) ( Housing ) (请填报插座组件 ( 壳体 ) 选择菜单) ;

Please select the order plug assembly ( shell) ( Housing ) {please fill plug assembly ( shell) selection menu} ;

请选择订购插孔 ( 请填报插孔选择菜单 ) / Please choose order pin ( please provide pin selection menu ) ;

### 插座组件 ( 壳体 ) 选择菜单 ( Socket Housing Selection Menu )

纳百川公司代号	订购数量	备注
DJL37-02-00		
DJL37-04-00		一般用于板接或焊接
DJL37-06-00		
DJL29-02-00		12# , 20# , 12#
DJL29-04-00		16# , 20# , 16#
DJL29-06-00		16# , 20# , 12#
DJL25-02-00		

### 插孔选择菜单 ( Socket Contact Selection Menu )

接触件规格、名称、端接形式 Size, Termination Type		接触件代号 ( Contact part No. )	订购数量	镀金 Gold	镀银 Silver
20#插孔	压接 ( Crimp )	DJL37-02-04YB			
	焊接 ( Solder cup )	DJL37-02-04HB			
	板接 ( PCB tail )	DJL37-02-04BB			
16#插孔	压接 ( Crimp )	DJL29-02-06GY			
	焊接 ( Solder cup )	DJL29-02-06GH			
	板接 ( PCB tail )	DJL29-02-06GB			
12#插孔	压接 ( Crimp )	DJL37-02-05GY			
	压接 ( 热拔 ) ( Hot Plug Crimp )	DJL37-02-05GYR			
	焊接 ( Solder cup )	DJL37-02-05GH			
	焊接 ( 热拔 ) ( Hot Plug Solder cup )	DJL37-02-05GHR			
	板接 ( PCB tail )	DJL37-02-05GB			
8#插孔	压接 ( Crimp )	DJL37-02-03Y			
	焊接 ( Solder cup )	DJL37-04-04H			
	板接 ( PCB tail )	DJL37-04-04B			

注：通常8#、16#插孔镀银，20#插孔镀金，12#插孔有镀金镀银可选，订货时请注明电镀要求。

Note: usually 8#, 16# Jack silver, 20# Jack gold, 12# Jack has a gold-plated silver plated optional, when ordering please specify electroplating requirements.

### 安装螺钉选择菜单 / Mounting screw selection menu

纳百川公司代号	订购数量	备注
DJL37-03C		适用于浮动安装 Applied to the floating installation
DJL37-03D		适用于浮动安装 Applied to the floating installation
DJL37-03E		适用于浮动安装 Applied to the floating installation
DJL37-03F		适用于浮动安装 Applied to the floating installation