

GJB599系列Ⅲ 耐环境高密度小圆形电连接器

GJB599 series III resistance to environment,high density small circular electric connector



主要结构特点

接触件形式：压接式，有22D、20#、16#、12#、10#、8#、4#七种接触件。

连接方式：快速螺纹连接，并带有止退锁紧机构。

防斜插：采用五键定位，防斜插(盲插时保证接触件不受损害)。

壳体防错：同种壳体号有N、A、B、C、D、E六种转位，能防错插。

屏蔽环：插头带有屏蔽环，加强EMI防护，接触件在插入之前形成壳体间的导电性。

界面密封：插针的密封凸台与插孔安装板的喇叭口完全吻合，每个接触件均能实现密封。

封线体密封：可防止外界的振动、扰曲损伤导线及液体渗入。

使用特点

适用于武器系统，适合在盲视的情况中使用。该系列连接器具有适应高温下高强度振动的特性，配上合适的连接器附件后，能适应在恶劣的风砂和潮湿的环境中使用。

适用于战略战术武器系统、航空航天运载系统、卫星系统、地面保障系统、通讯及检测系统和其它工业系统的设备之间的电路连接。

主要技术特性

符合国军标GJB599A-93，等效于美军标MIL-DTL-38999系列Ⅲ

材料

壳体：铝合金、不锈钢、纳米耐蚀合金

表面处理：镀镉（棕褐色）；化学镀镍（银灰色）

不锈钢钝化；纳米耐蚀合金

绝缘安装板：热塑性材料

封线体和密封衬垫：硅氟橡胶

接触件：铜合金（表面镀金）

机械性能

机械寿命：500次

正弦振动：10 ~ 2000 Hz 588 m/s² (60g)

随机振动：功率谱密度1.0 G²/Hz，总加速度均方根值41.7G

冲击：加速度 2940 m/s² (300g)

Main structural characteristics

- Contact: crimp contacts, they are 22D, 20#, 16#, 12#, 10#, 8#, 4# separately
- The method of connection: quick thread lock, with locking mechanism.
- Scoop-proof: using five key position (protect contact under condition of blind plug).
Mistake proof for shell: there are six kinds in the same kind of shell: N, A, B, C, D, E.
- Shielding ring: with a shielding ring on plug, can enhance the protection of EMI. Before the insertion for contact, should form the conductivity between shell.
- Sealing surface: the sealing convex platform of pin fits the bell mouth of socket insert perfectly, each contact can realize sealing.
- The sealing of sealing grommet: prevent external vibration and flexure to damage wire, and prevent the liquid infiltration.

Utilization characteristics

It's applicable for weapon system, and suitable for in the case of blind. This series of connector can adapt to high strength vibration under high temperature. After with appropriate connector attachments, this series of connectors can adapt to the harsh wind sand and wet environments.

It's applicable for strategic and tactical weapon system, aerospace delivery systems, satellite system, ground support systems, communication and detection system and circuit connection between devices in other industrial system.

Main technical characteristics

Conform to GJB599A-93, be equivalent to MIL-DTL-38999 series III

Material

Shell: aluminum alloy, stainless steel, corrosion resistant nano-alloy

Insulator: thermoplastic material

Sealing grommet and sealing ring: Fluoro Silicone

Contact: copper alloy (gold plating)

Surface treatment: cadmium plated (brown); electroless nickel plating (silver gray) passivation of stainless steel; corrosion resistant nano-alloy

Mechanical properties

Mechanical Endurance: 500 Times

Sinusoidal vibration: 10-2000 Hz 588 m/s²

Random vibration: power spectral density 1.0 G²/Hz,
total acceleration root mean square value 41.7G

Shock: 2940 m/s²

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电气性能

接触件接触电阻及额定电流：

接触件号	接触件直径 (mm)	接触电阻 (mΩ)	额定电流 (A)
22D	Φ0.8	≤ 15	5
20#	Φ1.0	≤ 7.5	7.5
16#	Φ1.6	≤ 5	13
12#	Φ2.4	≤ 2.5	23
10#	Φ3.1	≤ 1.3	33
8#	Φ3.6	≤ 0.7	46
4#	Φ5.7	≤ 0.4	80

电磁干扰屏蔽：100MHz~1GHz，最小衰减为85dB（化学镀镍或镀锡）
1GHz~10GHz，最小衰减为65dB（化学镀镍），
50dB（镀锡））

耐 压： （单位：V）

使用等级	M	N	I	II
海平面	1300	1000	1800	2300
21336米	800	600	1000	1000

绝缘电阻：正常条件下：≥5000MΩ

工作电压：400V（使用等级M），600V（使用等级I）
1000V（使用等级II），≤500V（8#同轴接触件）

8号三同轴接触件：

使用频率：0~20MHz

工作电压：最大为500V；在2100米高度为125V

电 压 降：中心接触件和中间接触件：在1A下≤55mV

外接触件：在12A下≤75mV

环境性能

工作温度：-65℃~+175℃（镀锡）
-65℃~+200℃（化学镀镍或不锈钢钝化）

相对湿度：40±2℃ 90%~95%

耐 盐 雾：1000h（纳米耐蚀合金），500h（镀锡），48h（化学镀镍）

耐 液 体：连接器能耐12种液体（化学镀镍）

耐 幅 照：经总剂量为5x10⁵Gy钴60γ射线辐照后，
绝缘电阻≥5000MΩ，漏电流≤2mA

Electrical properties

Contact resistance and the rated current of contact

Contact No.	Contact diameter (mm)	Contact resistance (mΩ)	Rated current (A)
22D	Φ0.8	≤ 15	5
20#	Φ1.0	≤ 7.5	7.5
16#	Φ1.6	≤ 5	13
12#	Φ2.4	≤ 2.5	23
10#	Φ3.1	≤ 1.3	33
8#	Φ3.6	≤ 0.7	46
4#	Φ5.7	≤ 0.4	80

Anti-interference for radio frequency:

100 MHz~1GHz, leakage attenuation:85dB(nickel plating)

1GHz~10GHz, leakage attenuation:50dB(cadmium plating)

Voltage-Proof:unit V

service level	M	N	I	II
sea level	1300	1000	1800	2300
21336 meter	800	600	1000	1000

Insulation Resistance:≥5000MΩ (normal condition)

Operating Voltage:400V(service level M), 600V(service level I)

1000V(service level II), ≤500V(8#coaxial contact)

Three coaxial contact of 8# contact

Operating frequency:0-20MHz

Operating voltage:500V(MAX)

125V(at the height of 2100 meter))

Voltage drop:contact in the center and middle, under 1A≤55mV

external contact, under 12A≤75mV

Environmental performance

Operating Temperature:-65℃~+175℃ (cadmium plating)

-65℃~+200℃ (electroless nickel plating or passivation of stainless steel)

Relative Humidity:40±2℃ 90-95%

Salt Spray Resistance:1000h (corrosion resistant nano-alloy)

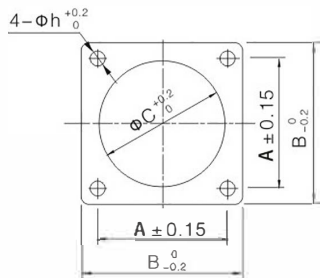
500h (cadmium plating), 48h(electroless nickel)

Resistance to liquid:connector can resistant 12 kinds of liquid (electrolessnickel)

Irradiating resistance:total dose5x10⁵Gy cobalt 60γ after irradiation,

insulation resistance≥5000MΩ, leakage current≤2mA

橡胶垫 Rubber mat



适配壳体号 adapter shell No.	橡胶垫代号 rubber mat code	导电橡胶垫代号 rubber mat(conductive)code	A	B	C	h
09	RR8.683.2770	RR8.683.2761	18.26	23.9	16.1	3.5
11	RR8.683.2771	RR8.683.2762	20.62	26.3	19.2	3.5
13	RR8.683.2772	RR8.683.2763	23.01	28.7	22.4	3.5
15	RR8.683.2773	RR8.683.2764	24.61	31.1	25.6	3.5
17	RR8.683.2774	RR8.683.2765	26.97	33.4	30.4	3.5
19	RR8.683.2775	RR8.683.2766	29.36	36.6	32.0	3.5
21	RR8.683.2776	RR8.683.2767	31.75	39.8	34.9	3.5
23	RR8.683.2777	RR8.683.2768	34.93	43.0	38.3	4.0
25	RR8.683.2778	RR8.683.2769	38.10	46.1	41.4	4.0

注：橡胶垫分为硅橡胶垫和导电橡胶垫两种，其中硅橡胶垫厚度1mm，导电橡胶垫厚度0.8mm，两种橡胶垫不随产品配置，需要时请按照以上代号单独订购。

型号示例

D38999/	20	W	F	35	P	N	02	— B
J599/	20	W	F	35	P	N	02	— B

主称代号

D38999为美军标主称代号

J599为国军标主称代号

基本元件号

20 墙式法兰安装固定电连接器（插座）

24 螺母安装固定电连接器（插座）

26 直式屏蔽自由端电连接器（插头）

表面处理

F—化学镀镍、银灰色、导电外壳、工作温度：-65℃ ~ +200℃

K—不锈钢钝化、导电外壳、工作温度：-65℃ ~ +200℃

K1—纳米耐蚀合金、导电外壳、工作温度：-65℃ ~ +200℃

W—镀锡、棕褐色、导电外壳、工作温度：-65℃ ~ +175℃

外壳号

A	B	C	D	E	F	G	H	J
(9	11	13	15	17	19	21	23	25)

绝缘安装板孔位排列（见02-52页）

接触件种类

P—插针 S—插孔

壳体键位

有N、A、B、C、D、E六种键位，常用的键位为“N”（见02-54页）

尾部附件

01—螺母式尾部附件

02—直式尾部附件

03—弯式尾部附件

04—屏蔽热缩式尾部附件

05—钛镍环缩式尾部附件

06—热缩式尾部附件

07—45°弯式尾部附件

接触件端接方式

不标—所有接触件均为压接式

B—长型焊印制板接触件；B1—短型焊印制板接触件；

H—所有接触件均为导线焊接式

Y*H*—压接和焊接接触件混装（Y表示压接触件，H表示为焊接接触件，*表示数量）

（如：Y46H20 表示46个压接接触件、20个焊接接触件）

注：1、当所订购的连接器的数量与尾部附件的数量相同时可直接在连接器后面加注尾部附件的代码，尾部附件不打印型号，当数量不相同，应单独订购尾部附件。尾部附件打印型号。

2、导线焊接接触件为可拆卸式，使用时将接触件与导线锡焊牢固后去除尖角，用合适规格的热缩管将焊接处热缩。最后将焊接热缩好的接触件装入所需的孔位，确认装配到位，即完成操作。

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Type example

D38999/ J599/	20 20	W W	F F	35 35	P P	N N	02 — B 02 — B
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Primary name code:

D38999 is the primary name code for MIL-DTL-38999

J599 is the primary name code for GJB599A

Basic component No.

20 fixed connector(receptacle),wall flange mounting;

24 fixed connector(receptacle),nut mounting;

26 free end connector(plug),straight version,shielded

Surface treatment

F-electroless nickel plating, silver grey, conductive shell, operating temperature : -65℃~+200℃

K- passivation of stainless steel, conductive shell, operating temperature:-65℃~+200℃

K1-corrosion resistance nano-alloy, conductive shell, operating temperature:-65℃~+200℃

W-cadmium plating(brown) ,conductive shell, operating temperature:-65℃~+175℃

Shell No.:09(A),11(B),13(C),15(D),17(E),19(F),21(G),23(H),25(J)

Hole position arrangement for insert

Contact type:P-Pin, S- Socket

Shell keys:There are five keys:N,A,B,C,D,E the commonly used key is "N"

Rear attachment:

01-rear attachment code, nut version

02-rear attachment code, straight version

03-rear attachment code, right angle version

04-rear attachment, shield thermal shrinkage version

05-rear attachment, heat shrinkable of titanium and nickel

06-rear attachment, heat shrinkable

07-rear attachment, 45° angle version

Contact termination:

no marks-all contacts are crimped contacts.

B-all contacts are PCB soldering.

H-all contacts are wire soldering

Y*H*-the crimped and soldered contacts are mixed(Y represent crimp contact,H represent soldering contact,* represent number)

(for example:Y46H20 stand for 46 crimp contacts,20 soldered contacts)

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绝缘安装板孔位排列 Hole position arrangement for insert

(从针绝缘体插配面看, 若从孔绝缘体插配面看与之相反)

View from the insertion surface of the pin insulator, if from the insertion surface of the hole insulator, by contrast

符号说明 Symbol description:

- 22 D 接触件; ● 20# 接触件; ◐ 16# 接触件; ◎ 10# 接触件;
- ◑ 4# 动力接触件; ◒ 12# 接触件; ◓ 8# 电源接触件;
- ◎ 8# 同轴接触件;

使用等级说明 service level explanation: M-1300V; N-1000; I-1800V; II-2300V

壳体号 Shell No. 09 (A)	09-35 使用等级 M service level 6-22D	09-03 使用等级 M service level 3-20#	09-98 使用等级 I service level 3-20#
壳体号 Shell No. 11 (B)	11-01 使用等级 II service level ★ 1-12#	11-02 使用等级 I service level 2-16#	11-04 使用等级 I service level 4-20#
	11-05 使用等级 I service level 5-20#	11-35 使用等级 M service level 13-22D	11-80 使用等级 I service level ★ 1-8#
	11-98 使用等级 I service level 6-20#	11-99 使用等级 I service level 7-20#	
壳体号 Shell No. 13 (C)	13-03 使用等级 II service level 3-16#	13-04 使用等级 I service level 4-16#	13-08 使用等级 I service level 8-20#
	13-26 使用等级 M service level 2-12# 6-22D	13-35 使用等级 M service level 22-22D	13-98 使用等级 I service level 10-20#
壳体号 Shell No. 15 (D)	15-05 使用等级 II service level 5-16#	15-15 使用等级 I service level 1-16# 14-20#	15-18 使用等级 I service level 18-20#
	15-19 使用等级 I service level 19-20#	15-26 使用等级 N service level 2-16# 24-22D	15-35 使用等级 M service level 37-22D

壳体号 Shell No. 15 (D)	15-97 使用等级 I service level 8-20# 4-16#		
壳体号 Shell No. 17 (E)	17-06 使用等级 I service level 6-12#	17-08 使用等级 II service level 8-16#	17-19 使用等级 N service level 4-16# 4-22D 11-20#
	17-26 使用等级 I service level 26-20#	17-35 使用等级 M service level 55-22D	17-75 使用等级 I service level ★ 2-8#
	17-99 使用等级 I service level 2-16# 21-20#		
壳体号 Shell No. 19 (F)	19-11 使用等级 II service level 11-16#	19-18 使用等级 M service level 14-22D 4-8#	19-28 使用等级 I service level 2-16# 26-20#
	19-30 使用等级 I service level 1-16# 29-20#	19-32 使用等级 I service level 32-20#	19-35 使用等级 M service level 66-22D
	19-45 使用等级 M service level ★ 67-22D	19-53 使用等级 M service level 53-22D	19-96 使用等级 I service level 9-12#

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壳体号 Shell No.	21-11 使用等级Ⅱ service level	21-16 使用等级Ⅱ service level	21-24 使用等级Ⅰ service level
	11-12#	16-16#	★ 24-20#
	21-25 使用等级Ⅰ service level	21-27 使用等级Ⅰ service level	21-35 使用等级Ⅲ service level
	25-20#	27-20#	79-22D
	21-39 使用等级Ⅰ service level	21-41 使用等级Ⅰ service level	21-48 使用等级Ⅰ service level
	2-16# 37-20#	41-20#	4-8#
	21-75 使用等级Ⅲ service level		
21 (G)			
	★ 4-8#		
	壳体号 Shell No.	23-06 使用等级Ⅲ service level	23-21 使用等级Ⅱ service level
		6-8#	21-16#
		23-34 使用等级Ⅰ service level	23-35 使用等级Ⅲ service level
		34-20#	100-22D
		23-36 使用等级Ⅰ service level	
23 (H)			36-20#
	23-53 使用等级Ⅰ service level	23-55 使用等级Ⅰ service level	23-97 使用等级Ⅰ service level
	53-20#	55-20#	16-16#

壳体号 Shell No.	23-99 使用等级Ⅱ service level		
23 (H)			
	11-16#		
壳体号 Shell No.	25-04 使用等级Ⅰ service level	25-07 使用等级Ⅲ service level	25-11 使用等级Ⅲ service level
	8-16# 48-20#	★ 97-22D 2-8#	★ 2-20# 9-10#
	25-08 使用等级Ⅲ service level	25-19 使用等级Ⅰ service level	25-20 使用等级Ⅲ service level
	8-8#	19-12#	★ 10-20# 13-16# 3-8# 4-12#
	25-24 使用等级Ⅰ service level	25-29 使用等级Ⅰ service level	25-35 使用等级Ⅲ service level
	12-12# 12-16#	29-16#	128-22D
	25-43 使用等级Ⅰ service level	25-44 使用等级Ⅰ service level	25-46 使用等级Ⅰ service level
	20-16# 23-20#	★ 4-4# 4-16#	2-8# 4-16# 40-20#
	25-61 使用等级Ⅰ service level		
	61-20#		

注：★ 为正在开发中，其余已开发。

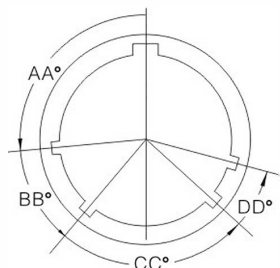
12#、10#、8#接触件的孔位也可装相同号数的射频接触件，但射频接触件需要单独订货。
20#、16#接触件的孔位也可装相同号数的光接触件，但光接触件需要单独订货。

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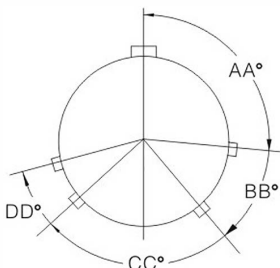
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壳体键位 Shell keys

插座壳体正面视图
Key angle of receptacle



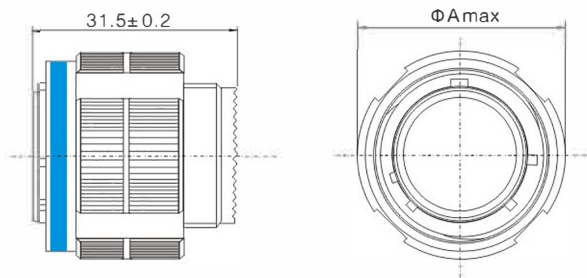
插头壳体正面视图
Key angle of plug



壳体号 Shell No.	键位号 keys	转位角度 transposition angle			
		AA°	BB°	CC°	DD°
9	A	N	105	140	215
		A	102	132	248
		B	80	118	230
		C	35	140	205
		D	64	155	234
11	B	E	91	131	197
		N	95	141	208
		A	113	156	182
		B	90	145	195
		C	53	156	220
13	C	D	119	146	176
		E	51	141	184
		N	80	142	196
		A	135	170	200
		B	49	169	200
15	D	C	66	140	200
		D	62	145	180
		E	79	153	197
		N	80	142	196
		A	135	170	200
17	E	B	49	169	200
		C	66	140	200
		D	62	145	180
		E	79	153	197
		N	80	142	196
19	F	A	135	170	200
		B	49	169	200
		C	66	140	200
		D	62	145	180
		E	79	153	197
21	G	N	80	142	196
		A	135	170	200
		B	49	169	200
		C	66	140	200
		D	62	145	180
23	H	E	79	153	197
		N	80	142	196
		A	135	170	200
		B	49	169	200
		C	66	140	200
25	J	D	62	145	180
		E	79	153	197
		N	80	142	196
		A	135	170	200
		B	49	169	200

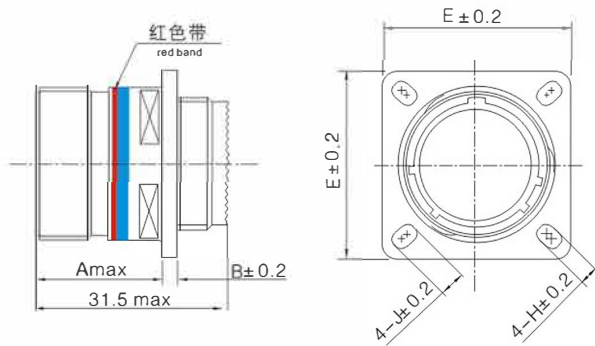
产品外形尺寸 Product form||size

J599/26 插头 Plug

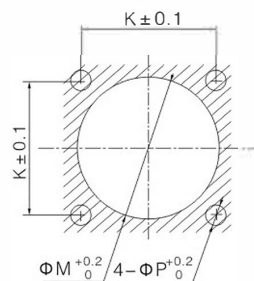


壳体号 Shell No.	9	11	13	15	17	19	21	23	25
A	22.00	25.20	28.60	32.00	35.85	38.50	41.60	44.80	48.00

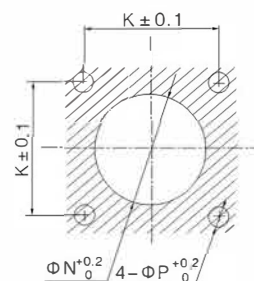
J599/20方盘插座 Square receptacle



后面板安装开孔尺寸
mounting dimension of cavity
for rear panel

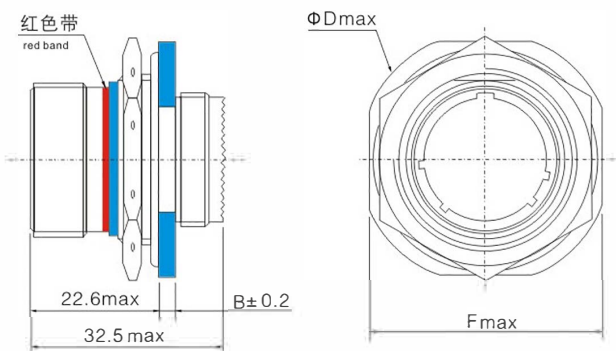


前面板安装开孔尺寸
mounting dimension of cavity
for front panel

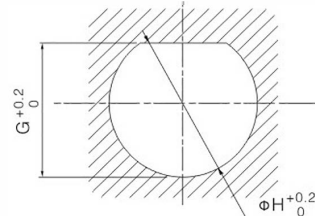


壳体号 Shell No.	A	B	E	H	J	K	M	N	P
9	A		23.80		5.50	18.26	16.66	13.11	
11	B		26.20		4.93	20.62	20.22	15.88	
13	C	20.9	2.5	28.60		23.01	23.42	19.05	
15	D		31.00	3.25	4.39	24.61	26.59	23.01	3.25
17	E		33.30			26.97	30.96	25.81	
19	F		36.50		4.93	29.36	32.94	28.98	
21	G		39.70			31.75	36.12	32.16	
23	H	20.1	3.2	42.90	3.90	6.15	34.93	39.29	34.93
25	J		46.00				38.10	42.47	37.69

J599/24 螺母安装插座 Receptacle,nut mounting



安装开孔尺寸
Mounting-hole Size



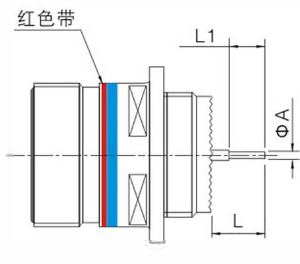
GJB599系列Ⅲ 耐环境高密度小圆形电连接器

GJB599 series III resistance to environment, high density small circular electric connector

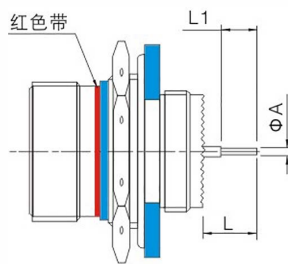
壳体号 Shell No		B	D	F	G	H
9	A	2.40	30.50	27.30	17.03	17.50
11	B		35.20	32.10	19.57	20.50
13	C		38.40	35.20	24.32	25.50
15	D		41.60	38.40	27.57	28.60
17	E		44.80	41.60	30.75	32.60
19	F		49.50	46.30	33.92	35.60
21	G	3.20	52.70	49.50	37.20	38.70
23	H		55.90	52.70	40.37	41.70
25	J		59.00	55.90	43.55	44.70

带印制板型接触件的插座 Receptacle with PCB contacts

J599/20插座



J599/24 插座



印制板接触件规格 Contact No.		L		L1	A max
		max	min		
22D	长印制板接触件	10	9.1	8.5	0.7
	短印制板接触件	5.5	4.6	4	
20#	长印制板接触件	10	8.8	8.5	0.9
	短印制板接触件	6.6	5.4	5.1	
16#	长印制板接触件	10.2	9.3	8.5	1.1
	短印制板接触件	6.8	5.9	5.1	

印制电路板插入坐标示意图

Insertion coordinate arrangement for PCB

印制板开孔直径: 22D的最小为0.9mm, 20#最小为1.1mm, 16#最小为1.3mm。

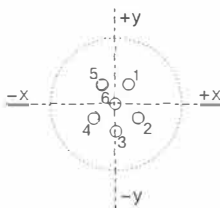
坐标尺寸单位: mm

Cavity diameter for PCB: 22D: 0.9mm(min.), 22#: 1.1mm(min.), 16#: 1.3mm(min.)

Coordinate dimension in mm

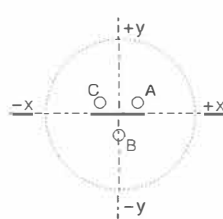
接触件: contacts; 坐标: coordinate

09-35



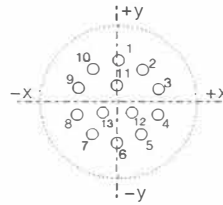
接触件	坐标	
	X	Y
1	+1.14	+1.98
2	+1.98	-1.14
3	0.00	-2.28
4	-1.98	-1.14
5	-1.14	+1.98
6	0.00	0.00

09-98



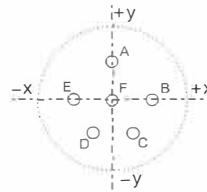
接触件	坐标	
	X	Y
A	+1.65	+0.96
B	0.00	-1.90
C	-1.65	+0.96

11-35



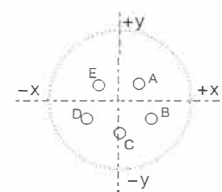
接触件	坐标	
	X	Y
1	0.00	+3.71
2	+2.16	+2.99
3	+3.50	+1.14
4	+3.50	-1.14
5	+2.16	-2.99
6	0.00	-3.71
7	-2.16	-2.99
8	-3.50	-1.14
9	-3.50	+1.14
10	-2.16	+2.99
11	0.00	+1.42
12	+1.24	-0.89
13	-1.24	-0.89

11-98



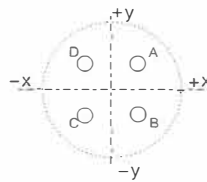
接触件	坐标	
	X	Y
A	0.00	+3.30
B	+3.30	0.00
C	+1.65	-2.87
D	-1.65	-2.87
E	-3.30	0.00
F	0.00	0.00

11-05



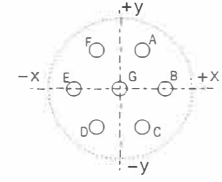
接触件	坐标	
	X	Y
A	+1.65	+1.42
B	+2.86	-1.65
C	0.00	-3.30
D	-2.86	-1.65
E	-1.65	+1.42

11-04



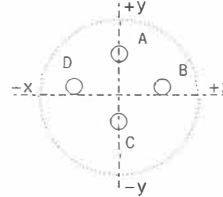
接触件	坐标	
	X	Y
A	+1.65	+1.65
B	+1.65	-1.65
C	-1.65	-1.65
D	-1.65	+1.65

11-99



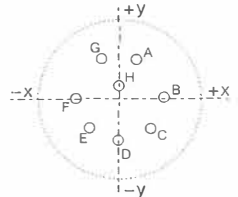
接触件	坐标	
	X	Y
A	+1.65	+2.87
B	+3.30	0
C	+1.65	-2.87
D	-1.65	-2.87
E	-3.30	0
F	-1.65	+2.87
G	0	0

13-04



接触件	坐标	
	X	Y
A	0	+3.81
B	+3.71	0.89
C	0	-2.11
D	-3.71	+0.89

13-08

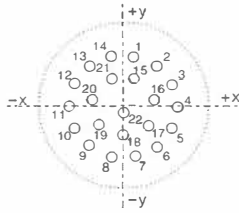


接触件	坐标	
	X	Y
A	+1.65	+3.99
B	+4.32	0.00
C	+3.05	-3.05
D	0.00	-4.32
E	-3.05	-3.05
F	-4.32	0.00
G	-1.65	+3.99
H	0.00	+1.12

GJB599系列Ⅲ 耐环境高密度小圆形电连接器

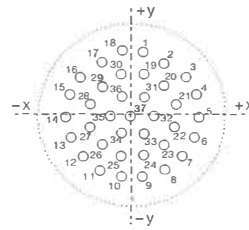
GJB599 series III resistance to environment, high density small circular electric connector

13-35



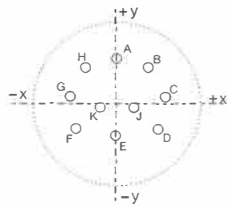
接触件	坐标	
	X	Y
1	+1.14	+5.00
2	+3.20	+4.01
3	+4.62	+2.23
4	+5.15	0.00
5	+4.62	-2.23
6	+3.20	-4.01
7	+1.14	-5.00
8	-1.14	-5.00
9	-3.20	-4.01
10	-4.62	-2.23
11	-5.15	0.00
12	-4.62	+2.23
13	-3.20	+4.01
14	-1.14	+5.00
15	+1.14	+2.72
16	+2.97	+0.66
17	+2.36	-1.91
18	0.00	-3.05
19	-2.36	-1.91
20	-2.97	+0.66
21	-1.14	+2.72
22	0.00	-0.76

15-35



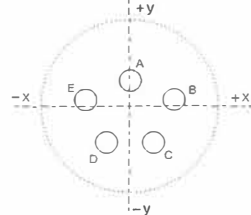
接触件	坐标		接触件	坐标	
	X	Y		X	Y
1	+1.14	+6.65	20	+3.12	+3.02
2	+3.12	+5.51	21	+4.32	+1.02
3	+5.36	+4.06	22	+4.32	-1.27
4	+6.45	+2.03	23	+3.12	-3.23
5	+6.76	-0.25	24	+1.14	-4.37
6	+6.27	-2.49	25	-1.14	-4.37
7	+5.08	-4.44	26	-3.12	-3.23
8	+3.30	-5.89	27	-4.32	-1.27
9	+1.14	-6.65	28	-4.32	+1.02
10	-1.14	-6.65	29	-3.12	+3.02
11	-3.30	-5.89	30	-1.14	+4.37
12	-5.08	-4.44	31	+1.14	+1.88
13	-6.27	-2.49	32	+2.29	-0.10
14	-6.76	-0.25	33	+1.14	-2.08
15	-6.45	+2.03	34	-1.14	-2.08
16	-5.36	+4.06	35	-2.29	-0.10
17	-3.12	+5.51	36	-1.14	+1.88
18	-1.14	+6.65	37	0.00	-0.10
19	+1.14	+4.37			

13-98



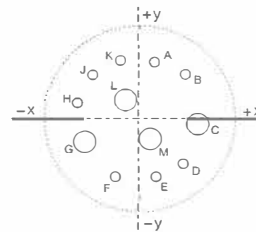
接触件	坐标	
	X	Y
A	0.00	+4.95
B	+3.17	+3.80
C	+4.90	+0.76
D	+4.16	-2.67
E	0.00	-3.43
F	-4.16	-2.67
G	-4.90	+0.76
H	-3.17	+3.80
J	+1.65	-0.38
K	-1.65	-0.38

15-05



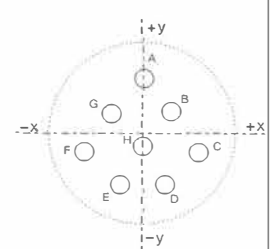
接触件	坐标	
	X	Y
A	0.00	+2.54
B	+4.42	+0.61
C	+2.39	-3.76
D	-2.39	-3.76
E	-4.42	+0.61

15-97



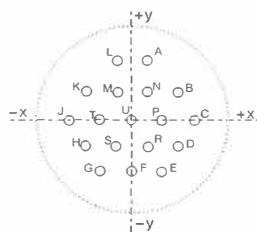
接触件	坐标	
	X	Y
A	+1.65	+5.94
B	+4.52	+4.52
C	+5.84	-0.58
D	4.52	-4.52
E	+1.65	-5.94
F	-2.26	-5.97
G	-5.26	-2.41
H	-5.94	+1.65
J	-4.52	+4.52
K	-1.65	+5.94
L	-1.19	+2.06
M	+1.19	-2.06

17-08



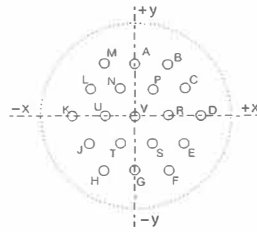
接触件	坐标	
	X	Y
A	0.00	+5.99
B	+3.25	+2.18
C	+5.84	-1.98
D	+2.39	-5.49
E	-2.39	-5.49
F	-5.84	-1.98
G	-3.25	+2.18
H	0.00	-1.32

15-18



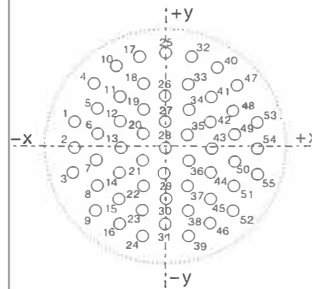
接触件	坐标	
	X	Y
A	+1.65	+6.40
B	+4.95	+2.87
C	+6.60	0.00
D	+4.95	-2.87
E	+3.30	-5.72
F	0.00	-5.72
G	-3.30	-5.72
H	-4.95	-2.87
J	-6.60	0.00
K	-4.95	+2.87
L	-1.65	+6.40
M	-1.65	+2.87
N	+1.65	+2.87
P	+3.30	0.00
R	+1.65	-2.87
S	-1.65	-2.87
T	-3.30	0.00
U	0.00	0.00

15-19



接触件	坐标	
	X	Y
A	0.00	+5.71
B	+3.30	+5.71
C	+4.95	+2.87
D	+6.60	0.00
E	+4.95	-2.87
F	+3.30	-5.71
G	0.00	-5.71
H	-3.30	-5.71
J	-4.95	-2.87
K	-6.60	0.00
L	-4.95	+2.87
M	-3.30	+5.71
N	-1.65	+2.87
P	+1.65	+2.87
R	+3.30	0.00
S	+1.65	-2.87
T	-1.65	-2.87
U	-3.30	0.00
V	0.00	0.00

17-35

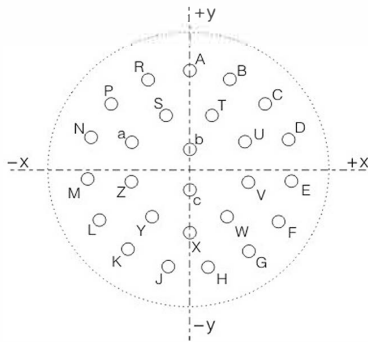


接触件	坐标		接触件	坐标	
	X	Y		X	Y
1	-7.92	+2.18	29	0.00	-2.39
2	-7.92	-0.10	30	0.00	-4.67
3	-7.92	-2.39	31	0.00	-6.96
4	-6.15	+5.61	32	+2.26	+8.03
5	-5.94	+3.33	33	+1.98	+5.61
6	-5.94	+1.04	34	+1.98	+3.33
7	-5.94	-1.24	35	+1.98	+1.04
8	-5.94	-3.53	36	+1.98	-1.24
9	-5.94	-5.82	37	+1.98	-3.53
10	-4.37	+7.09	38	+1.98	-5.82
11	-3.96	+4.47	39	+1.98	-8.10
12	-3.96	+2.18	40	+4.37	+7.09
13	-3.96	-0.10	41	+3.96	+4.47
14	-3.96	-2.39	42	+3.96	+2.18
15	-3.96	-4.67	43	+3.96	-0.10
16	-3.96	-6.96	44	+3.96	-2.39
17	-2.26	+8.03	45	+3.96	-4.67
18	-1.98	+5.61	46	+3.96	-6.96
19	-1.98	+3.33	47	+6.15	+5.61
20	-1.98	+1.04	48	+5.94	+3.33
21	-1.98	-1.24	49	+5.94	+1.04
22	-1.98	-3.53	50	+5.94	-1.24
23	-1.98	-5.82	51	+5.94	-3.53
24	-1.98	-8.10	52	+5.94	-5.82
25	0.00	+8.36	53	+7.92	+2.18
26	0.00	+4.47	54	+7.92	-0.10
27	0.00	+2.18	55	+7.92	-2.39
28	0.00	-0.10			

GJB599系列Ⅲ 耐环境高密度小圆形电连接器

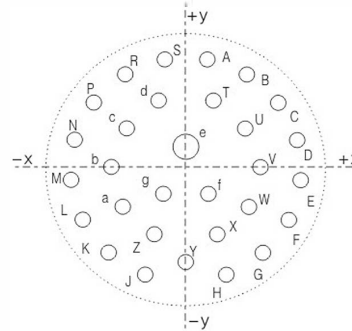
GJB599 series III resistance to environment, high density small circular electric connector

17-26



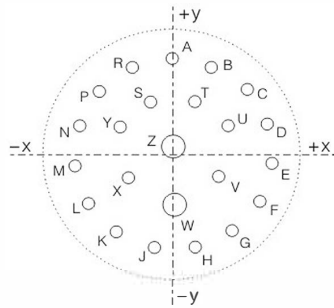
接触件	坐标	
	X	Y
A	0.00	+8.15
B	+3.33	+7.44
C	+6.07	+5.44
D	+7.75	+2.51
E	+8.10	-0.86
F	+7.06	-4.09
G	+4.80	-6.60
H	+1.70	-7.98
J	-1.70	-7.98
K	-4.80	-6.60
L	-7.06	-4.09
M	-8.10	-0.86
N	-7.75	+2.51
P	-6.07	+5.44
R	-3.33	+7.44
S	-1.78	+4.50
T	+1.78	+4.50
U	+4.44	+2.39
V	+4.52	+0.91
W	+3.02	-3.84
X	0.00	-5.16
Y	-3.02	-3.84
Z	-4.52	-0.91
a	-4.44	+2.39
b	0.00	+1.65
c	0.00	-1.65

19-30



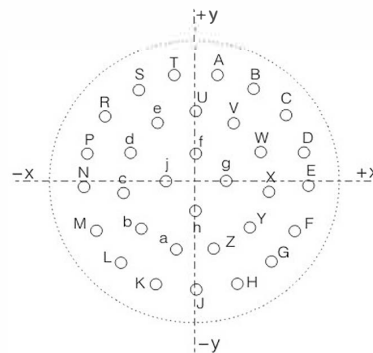
接触件	坐标	
	X	Y
A	+1.65	+8.79
B	+4.72	+7.59
C	+7.16	+5.33
D	+8.64	+2.36
E	+8.92	-0.84
F	+8.00	-4.01
G	+5.99	-6.63
H	+3.15	-8.38
J	-3.15	-8.38
K	-5.99	-6.63
L	-8.00	-4.01
M	-8.92	-0.84
N	-8.64	+2.36
P	-7.16	+5.33
R	-4.72	+7.59
S	-1.65	+8.79
T	+2.13	+5.51
U	+4.60	+3.28
V	+5.79	+0.20
W	+4.90	-2.97
X	+2.44	-5.16
Y	0.00	-7.37
Z	-2.44	-5.16
a	-4.90	-2.97
b	-5.79	+0.20
c	-4.60	+3.28
d	-2.13	+5.51
e	0.00	+1.83
f	+1.75	-1.93
g	-1.75	-1.93

17-99



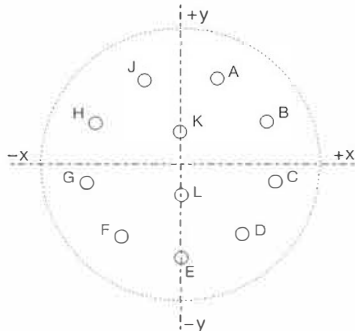
接触件	坐标	
	X	Y
A	0.00	+8.15
B	+3.33	+7.44
C	+6.07	+5.44
D	+7.75	+2.51
E	+8.10	-0.86
F	+7.06	-4.09
G	+4.80	-6.60
H	+1.70	-7.98
J	-1.70	-7.98
K	-4.80	-6.60
L	-7.06	-4.09
M	-8.10	-0.86
N	-7.75	+2.51
P	-6.07	+5.44
R	-3.33	+7.44
S	-1.78	+4.50
T	+1.78	+4.50
U	+4.44	+2.39
V	+3.81	-1.91
W	0.00	-4.09
X	-3.81	-1.91
Y	-4.44	+2.39
Z	0.00	+0.64

19-32



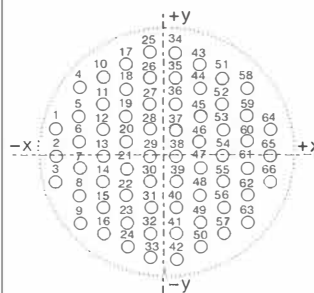
接触件	坐标	
	X	Y
A	+1.68	+8.97
B	+4.80	7.75
C	+7.26	+5.51
D	+8.76	+2.49
E	+9.07	-0.84
F	+8.15	-4.06
G	+6.15	-6.73
H	3.30	-8.51
J	0.00	-9.12
K	-3.30	-8.51
L	-6.15	-6.73
M	-8.15	-4.06
N	-9.07	-0.84
P	-8.76	+2.49
R	-7.26	+5.51
S	-4.80	+7.75
T	-1.68	+8.97
U	0.00	+5.84
V	+3.15	+4.90
W	+5.31	+2.41
X	+5.79	-0.84
Y	+4.42	-3.84
Z	+1.65	-5.61
a	-1.65	-5.61
b	-4.42	-3.84
c	-5.79	-0.84
d	-5.31	-2.41
e	-3.15	+4.90
f	0.00	+2.44
g	+2.44	0.00
h	+2.44	-2.44
i	-2.44	0.00

19-11



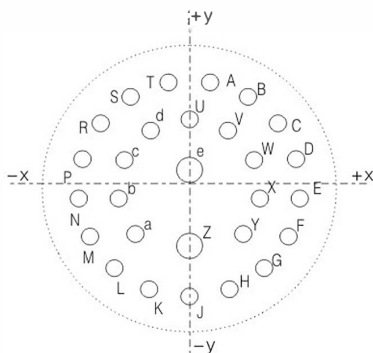
接触件	坐标	
	X	Y
A	+2.67	+6.60
B	+6.35	+3.35
C	+6.99	-1.35
D	+4.55	-5.46
E	0.00	-7.14
F	-4.55	-5.46
G	-6.99	-1.35
H	-6.35	+3.35
J	-2.67	+6.60
K	0.00	+2.67
L	0.00	-2.34

19-35



接触件	坐标		接触件	坐标	
	X	Y		X	Y
1	-9.07	+2.29	34	+1.14	+9.14
2	-9.07	0.00	35	+1.14	+6.86
3	-9.07	-2.29	36	+1.14	+4.57
4	-7.09	+5.71	37	+1.14	+2.29
5	-7.09	+3.43	38	+1.14	0.00
6	-7.09	+1.14	39	+1.14	-2.29
7	-7.09	-1.14	40	+1.14	-4.57
8	-7.09	-3.43	41	+1.14	-6.86
9	-7.09	-5.71	42	+1.14	-9.14
10	-5.11	+6.86	43	+3.12	+8.00
11	-5.11	+4.57	44	+3.12	+5.71
12	-5.11	+2.29	45	+3.12	+3.43
13	-5.11	0.00	46	+3.12	+1.14
14	-5.11	-2.29	47	+3.12	-1.14
15	-5.11	-4.57	48	+3.12	-3.43
16	-5.11	-6.86	49	+3.12	-5.71
17	-3.12	+8.00	50	+3.12	-8.00
18	-3.12	+5.71	51	+5.11	+6.86
19	-3.12	+3.43	52	+5.11	+4.57
20	-3.12	+1.14	53	+5.11	+2.29
21	-3.12	-1.14	54	+5.11	0.00
22	-3.12	-3.43	55	+5.11	-2.29
23	-3.12	-5.71	56	+5.11	-4.57
24	-3.12	-8.00	57	+5.11	-6.86
25	-1.14	+9.14	58	+7.09	+5.71
26	-1.14	+6.86	59	+7.09	+3.43
27	-1.14	+4.57	60	+7.09	+1.14
28	-1.14	+2.29	61	+7.09	-1.14
29	-1.14	0.00	62	+7.09	-3.43
30	-1.14	-2.29	63	+7.09	-5.71
31	-1.14	-4.57	64	+9.07	+2.29
32	-1.14	-6.86	65	+9.07	0.00
33	-1.14	-9.14	66	+9.07	-2.29

19-28

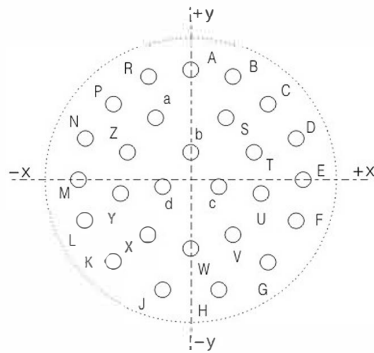


接触件	坐标	
	X	Y
A	+1.68	+8.97
B	+4.80	+7.75
C	+7.26	+5.51
D	+8.76	+2.49
E	+9.07	-0.84
F	+8.15	-4.06
G	+6.15	-6.73
H	+3.30	-8.51
J	0.00	-9.12
K	-3.30	-8.51
L	-6.15	-6.73
M	-8.15	-4.06
N	-9.07	-0.84
P	-8.76	+2.49
R	-7.26	+5.51
S	-4.80	+7.75
T	-1.68	+8.97
U	0.00	+5.84
V	+3.15	+4.90
W	+5.31	+2.41
X	+5.79	-0.84
Y	+4.42	-3.84
Z	0.00	-4.85
a	-4.42	-3.84
b	-5.79	-0.84
c	-5.31	+2.41
d	-3.15	+4.90
e	0.00	+1.57

GJB599系列Ⅲ 耐环境高密度小圆形电连接器

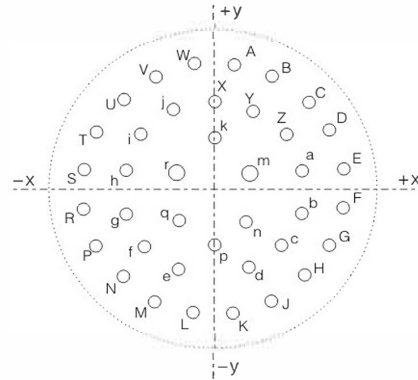
GJB599 series III resistance to environment, high density small circular electric connector

21-27



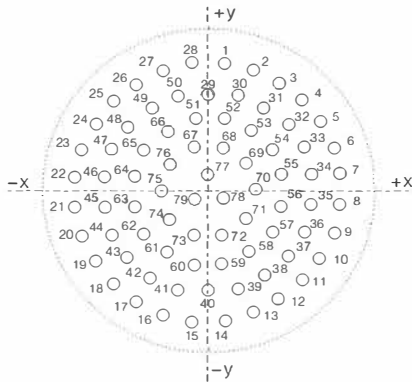
接触件	坐 标	
	X	Y
A	0.00	+10.16
B	3.81	+9.53
C	+6.99	+6.99
D	+9.53	+3.81
E	+10.16	0.00
F	+9.53	-3.81
G	+6.99	-7.62
H	+2.54	-10.16
J	-2.54	-10.16
K	-6.99	-7.62
L	-9.53	-3.81
M	-10.16	0.00
N	-9.53	+3.81
P	-6.99	+6.99
R	-3.81	+9.53
S	+3.81	+5.72
T	+5.72	+2.54
U	+6.35	-1.27
V	+3.81	-5.08
W	0.00	-6.35
X	-3.81	-5.08
Y	-6.35	-1.27
Z	-5.72	+2.54
a	-3.81	+5.72
b	0.00	+2.54
c	+2.54	-0.64
d	-2.54	-0.64

21-39



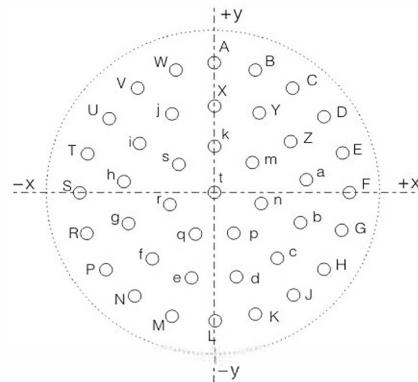
接触件	坐 标	
	X	Y
A	+1.65	+10.44
B	+4.80	+9.42
C	+7.47	+7.47
D	+9.42	+4.80
E	+10.44	+1.65
F	+10.44	-1.65
G	+9.42	-4.80
H	+7.47	-7.47
J	+4.80	-9.42
K	+1.65	-10.44
L	-1.65	-10.44
M	-4.80	-9.42
N	-7.47	-7.47
P	-9.42	-4.80
R	-10.44	-1.65
S	-10.44	+1.65
T	-9.42	+4.80
U	-7.47	+7.47
V	-4.80	+9.42
W	-1.65	+10.44
X	0.00	+7.49
Y	+3.20	+6.50
Z	+5.89	+4.55
a	+7.11	+1.45
b	+7.11	-1.88
c	+5.51	-1.80
d	+2.84	-6.73
e	-2.84	-6.73
f	-5.51	-4.80
g	-7.11	-1.88
h	-7.11	+1.45
i	-5.89	+4.55
j	-3.20	+6.50
k	0.00	+4.19
m	+2.90	+1.22
n	+2.69	-2.72
p	0.00	-3.80
q	-2.69	-2.72
r	-2.90	+1.22

21-35



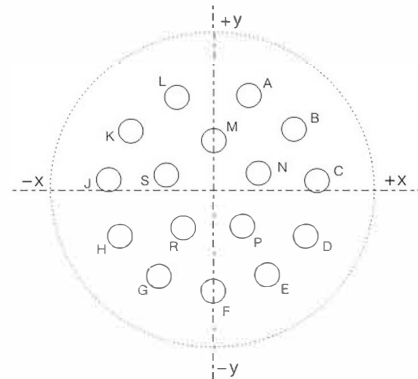
接触件	坐 标		接触件	坐 标		接触件	坐 标	
	X	Y		X	Y		X	Y
1	+1.35	+10.82	29	0.00	+8.20	57	+5.28	-3.53
2	+3.71	+10.26	30	+2.49	+8.18	58	+3.40	-5.05
3	+5.89	+9.19	31	+4.67	+7.11	59	+1.22	-6.12
4	+7.77	+7.67	32	+6.55	+5.59	60	-1.22	-6.12
5	+9.27	+5.77	33	+7.90	+3.58	61	-3.40	-5.05
6	+10.31	+3.58	34	+8.43	+1.22	62	-5.28	-3.53
7	+10.85	1.22	35	+8.43	-1.22	63	-6.02	-1.22
8	+10.85	-1.22	36	+7.90	-3.58	64	-6.02	+1.22
9	+10.31	-3.58	37	+6.55	-5.59	65	-5.28	+3.53
10	+9.27	-5.77	38	+4.67	-7.11	66	-3.40	+5.05
11	+7.77	-7.67	39	+2.49	-8.18	67	-1.22	+3.71
12	+5.89	-9.19	40	0.00	-8.81	68	+1.22	+3.71
13	+3.71	-10.26	41	-2.49	-8.18	69	3.18	+2.29
14	+1.35	-10.82	42	-4.67	-7.11	70	+3.96	0.00
15	-1.35	-10.82	43	-6.55	-5.59	71	+3.18	-2.29
16	-3.71	-10.26	44	-7.90	-3.58	72	+1.22	-3.71
17	-5.89	-9.19	45	-8.43	-1.22	73	-1.22	-3.71
18	-7.77	-7.67	46	-8.43	+1.22	74	-3.18	-2.29
19	-9.27	-5.77	47	-7.90	+3.58	75	-3.96	0.00
20	-10.31	-3.58	48	-6.55	+5.59	76	-3.18	+2.29
21	-10.85	-1.22	49	-4.67	+7.11	77	0.00	+1.35
22	-10.85	+1.22	50	-2.49	+8.18	78	+1.22	-0.74
23	-10.31	+3.58	51	-1.22	+6.12	79	-1.22	-0.74
24	-9.27	+5.77	52	+1.22	+6.12			
25	-7.77	+7.67	53	+3.40	+5.05			
26	-5.89	+9.19	54	+5.28	+3.53			
27	-3.71	+10.26	55	+6.02	+1.22			
28	-1.35	+10.82	56	+6.02	-1.22			

21-41



接触件	坐 标	
	X	Y
A	0.00	+10.60
B	+3.28	+10.09
C	+6.23	+8.58
D	+8.58	+6.23
E	+10.09	+3.28
F	+10.60	0.00
G	+10.09	-3.28
H	+8.58	-6.23
J	+6.23	-8.58
K	+3.28	-10.09
L	0.00	-10.60
M	-3.28	-10.09
N	-6.23	-8.58
P	-8.58	-6.23
R	-10.09	-3.28
S	-10.60	0.00
T	-10.09	+3.28
U	-8.58	+6.23
V	-6.23	+8.58
W	-3.28	+10.09
X	0.00	+7.20
Y	+3.35	+6.38
Z	+5.92	+4.09
a	+7.15	+0.87
b	+6.73	-2.55
c	+4.78	-5.39
d	+1.73	-6.99
e	-1.73	-6.99
f	-4.78	-5.39
g	-6.73	-2.55
h	-7.15	+0.87
i	-5.29	+4.09
j	-3.35	+6.38
k	0.00	+3.81
m	+2.96	+2.26
n	+3.71	-0.85
p	+1.66	-3.43
q	+1.66	-3.43
r	-3.71	-0.85
s	-2.96	+2.26
t	0.00	0.00

21-16

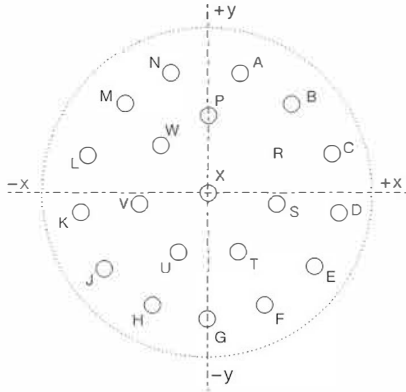


接触件	坐 标	
	X	Y
A	+3.00	+8.18
B	+6.88	+5.36
C	+8.66	+0.91
D	+7.82	-3.81
E	+4.62	-7.37
F	0.00	-8.71
G	-4.62	-7.37
H	-7.82	-3.81
J	-8.66	+0.91
K	-6.88	+5.36
L	-3.00	+8.18
M	0.00	+4.45
N	+3.91	+1.57
P	+2.39	-3.10
R	-2.39	-3.10
S	-3.91	+1.57

GJB599系列Ⅲ 耐环境高密度小圆形电连接器

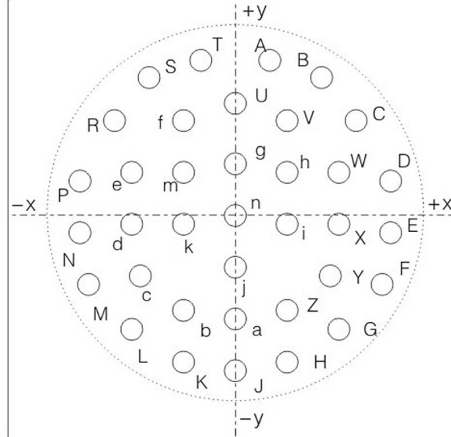
GJB599 series III resistance to environment, high density small circular electric connector

23-21



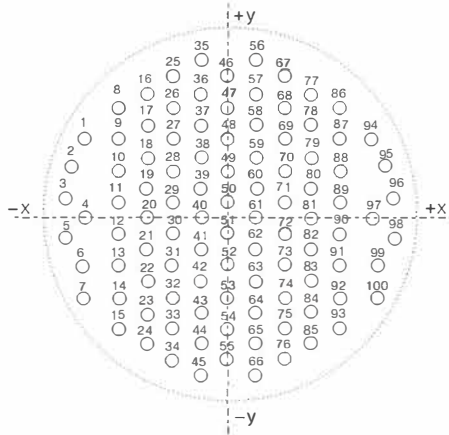
接触件	X	Y
A	+3.25	+9.78
B	+7.43	+7.24
C	+9.80	+3.12
D	+10.16	-1.65
E	+8.33	-6.07
F	+4.65	-9.19
G	0.00	-10.31
H	-4.65	-9.19
J	-8.33	-6.07
K	-10.16	-1.65
L	-9.80	+3.12
M	-7.43	+7.24
N	-3.25	+9.78
P	0.00	+6.22
R	+4.06	+3.71
S	5.44	-0.89
T	+2.39	-4.93
U	-2.39	-4.93
V	-5.44	-0.89
W	-4.06	+3.71
X	0.00	0.00

23-36



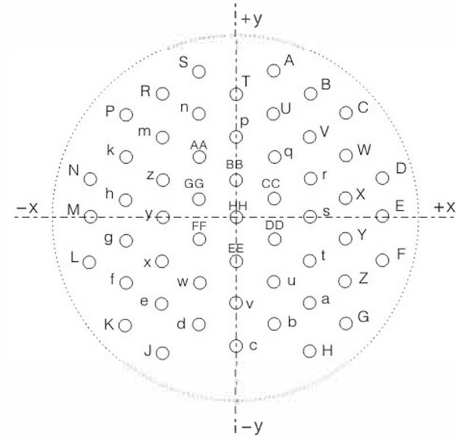
接触件	X	Y
A	+2.54	+11.43
B	+6.35	+10.16
C	+8.89	+6.99
D	+11.43	+2.54
E	+11.43	-1.27
F	+10.80	-5.08
G	+7.62	-8.89
H	+3.81	-10.80
J	0.00	-11.43
K	-3.81	-10.80
L	-7.62	-8.89
M	-10.80	-5.08
N	-11.43	-1.27
P	-11.43	+2.54
R	-8.89	+6.99
S	-6.35	+10.16
T	-2.54	+11.43
U	0.00	+8.26
V	+3.81	+6.99
W	+7.62	+3.18
X	+7.62	-0.64
Z	+3.81	-6.99
a	0.00	-7.62
b	-3.81	-6.99
c	-6.99	-4.45
d	-7.62	-0.64
e	-7.62	+3.18
f	-3.81	+6.99
g	0.00	+3.81
h	+3.81	+3.18
i	+3.81	-0.64
j	0.00	-3.81
k	-3.81	-0.64
l	-3.81	+3.18
m	0.00	0.00

23-35



接触件	X	Y	接触件	X	Y	接触件	X	Y	接触件	X	Y
1	-10.87	+6.12	26	-4.22	+8.46	51	0.00	-1.19	76	+4.22	-10.85
2	-11.86	+3.91	27	-4.22	+6.05	52	0.00	-3.61	77	+6.32	+9.65
3	-12.40	+1.55	28	-4.22	+3.63	53	0.00	-6.02	78	+6.32	+7.24
4	-10.54	0.00	29	-4.22	+1.22	54	0.00	-8.43	79	+6.32	+4.83
5	-12.40	-1.55	30	-4.22	-1.19	55	0.00	-10.85	80	+6.32	+2.41
6	-10.87	-3.61	31	-4.22	-3.61	56	+2.11	+12.06	81	+6.32	0.00
7	-10.87	-6.02	32	-4.22	-6.02	57	+2.11	+9.65	82	+6.32	-2.41
8	-8.43	+8.46	33	-4.22	-8.43	58	+2.11	+7.24	83	+6.32	-4.83
9	-8.43	+6.05	34	-4.22	-10.85	59	+2.11	+4.83	84	+6.32	-7.24
10	-8.43	+3.63	35	-2.11	+12.06	60	+2.11	+2.41	85	+6.32	-9.65
11	-8.43	+1.22	36	-2.11	+9.65	61	+2.11	0.00	86	+8.43	+8.46
12	-8.43	-1.19	37	-2.11	+7.24	62	+2.11	-2.41	87	+8.43	+6.05
13	-8.43	-3.61	38	-2.11	+4.83	63	+2.11	-4.83	88	+8.43	+3.63
14	-8.43	-6.02	39	-2.11	-2.41	64	+2.11	-7.24	89	+8.43	+1.22
15	-8.43	-8.43	40	-2.11	0.00	65	+2.11	-9.65	90	+8.43	-1.19
16	-6.32	+9.65	41	-2.11	-2.41	66	+2.11	-12.06	91	+8.43	-3.61
17	-6.32	+7.24	42	-2.11	-4.83	67	+4.22	+10.87	92	+8.43	-6.02
18	-6.32	+4.83	43	-2.11	-7.24	68	+4.22	+8.46	93	+8.43	-8.43
19	-6.32	+2.41	44	-2.11	-9.65	69	+4.22	+6.05	94	+10.87	+6.02
20	-6.32	0.00	45	-2.11	-12.06	70	+4.22	+3.63	95	+11.86	+3.91
21	-6.32	-2.41	46	0.00	+10.87	71	+4.22	+1.22	96	+12.40	+1.55
22	-6.32	-4.83	47	0.00	+8.46	72	+4.22	-1.19	97	+10.54	0.00
23	-6.32	-7.24	48	0.00	+6.05	73	+4.22	-3.61	98	+12.40	-1.55
24	-6.32	-9.65	49	0.00	+3.63	74	+4.22	-6.02	99	+10.87	-3.61
25	-4.22	+10.87	50	0.00	+1.22	75	+4.22	-8.43	100	10.87	-6.02

23-53

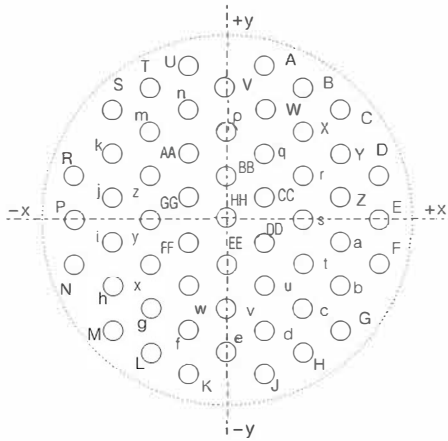


接触件	X	Y	接触件	X	Y
A	+2.84	+11.56	g	-5.72	-6.60
B	+5.72	+9.91	h	-8.53	-4.95
C	+8.53	+8.26	i	-8.53	-1.65
D	+11.43	+3.30	j	-8.53	+1.65
E	+11.43	0.00	k	-8.53	+4.95
F	+11.43	-3.30	m	-5.72	+6.60
G	+8.53	-8.26	n	-2.84	+8.26
H	+5.72	-10.41	p	0.00	+6.60
J	-5.72	-10.41	q	+2.84	+4.95
K	-8.53	-8.26	r	+5.72	+3.30
L	-11.43	-3.30	s	+5.72	0.00
M	-11.43	0.00	t	+5.72	-3.30
N	-11.43	+3.30	u	+2.84	-4.95
P	-8.53	+8.26	v	0.00	-6.60
R	-5.72	+9.91	w	+2.74	-4.95
S	-2.84	+11.56	x	-5.72	-3.30
T	0.00	+9.91	y	-5.72	0.00
U	+2.84	+8.26	z	-5.72	+3.30
V	+5.72	+6.60	AA	-2.84	+4.95
W	+8.53	+4.95	BB	0.00	+3.30
X	8.53	+1.65	CC	+2.84	+1.65
Y	+8.53	-1.65	DD	+2.84	-1.65
Z	+8.53	-4.95	EE	0.00	-3.30
a	+5.72	-6.60	FF	+2.84	-1.65
b	+2.84	-8.26	GG	-2.84	+1.65
c	0.00	-9.91	HH	0.00	0.00
d	-2.84	-8.26			

GJB599系列Ⅲ 耐环境高密度小圆形电连接器

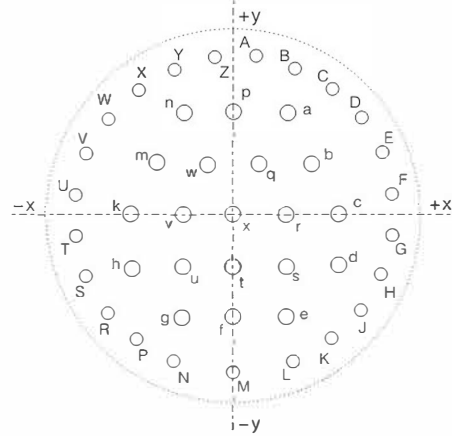
GJB599 series III resistance to environment,high density small circular electric connector

23-55



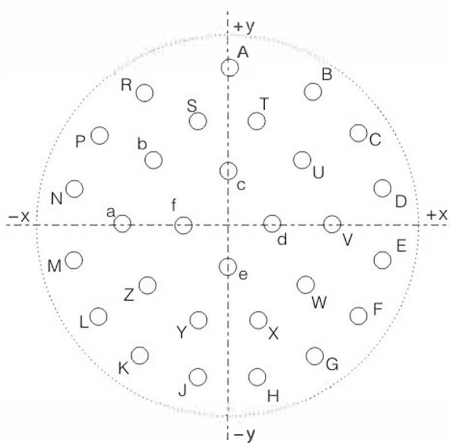
接触件	坐标		接触件	坐标	
	X	Y		X	Y
A	+2.84	+11.56	t	-2.84	-8.26
B	+5.72	+9.91	u	-5.72	-6.60
C	+8.53	+8.26	v	-8.53	-4.95
D	+11.43	+3.30	w	-8.53	-1.65
E	+11.43	0.00	x	-8.53	+1.65
F	+11.43	-3.30	y	-8.53	+4.95
G	+8.53	-8.26	z	-5.72	+6.60
H	+5.72	-9.91	AA	-2.84	+8.26
J	+2.84	-11.56	BB	0.00	+6.60
K	-2.84	-11.56	CC	+2.84	+4.95
L	-5.72	-9.91	DD	+5.72	+3.30
M	-8.53	-8.26	EE	+5.72	0.00
N	-11.43	-3.30	FF	+5.72	-3.30
P	-11.43	0.00	GG	+2.84	-4.95
R	-11.43	+3.30	HH	0.00	-6.60
S	-8.53	+8.26			
T	-5.72	+9.91			
U	-2.84	+11.56			
V	0.00	+9.91			
W	+2.84	+8.26			
X	+5.72	+6.60			
Y	+8.53	+4.95			
Z	+8.53	+1.65			
a	+8.53	-1.65			
b	+8.53	-4.95			
c	+5.72	-6.60			
d	+2.84	-8.26			
e	0.00	-6.60			
f	0.00	-3.30			
g	0.00	0.00			
h	0.00	3.30			
i	0.00	6.60			
j	0.00	9.91			
k	0.00	11.56			
l	0.00	11.56			
m	0.00	11.56			
n	0.00	11.56			
o	0.00	11.56			
p	0.00	11.56			
q	0.00	11.56			
r	0.00	11.56			
s	0.00	11.56			
t	0.00	11.56			
u	0.00	11.56			
v	0.00	11.56			
w	0.00	11.56			
x	0.00	11.56			
y	0.00	11.56			
z	0.00	11.56			

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接触件	坐标	
	X	Y
A	+1.75	+13.49
B	+5.16	+12.57
C	+8.23	+10.80
D	+10.77	+8.28
E	+12.52	+5.21
F	+13.49	+1.75
G	+13.49	-1.75
H	+12.52	-5.21
J	+10.77	-8.28
K	+8.23	-10.80
L	+5.16	-12.57
M	0.00	-13.49
N	-5.16	-12.57
P	-8.23	-10.80
R	-10.77	-8.28
S	-12.52	-5.21
T	-13.49	-1.75
U	-13.49	+1.75
V	-12.52	+5.21
W	-10.77	+8.28
X	-8.23	+10.80
Y	-5.16	+12.57
Z	-1.75	+13.49
a	+4.37	+8.74
b	+6.55	+4.37
c	+8.74	0.00
d	+8.74	-4.37
e	+4.37	-8.74
f	0.00	-8.74
g	-4.37	-8.74
h	-8.74	-4.37
k	-8.74	0.00
m	-6.55	+4.37
n	-4.37	+8.74
p	0.00	+8.74
q	+2.18	+4.37
r	+4.37	0.00
s	+4.37	-4.37
t	0.00	-4.37
u	-4.37	-4.37
v	-4.37	0.00
w	-2.18	+4.37
x	0.00	0.00

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接触件	坐标	
	X	Y
A	0.00	+12.22
B	+6.55	+10.1
C	+10.03	+7.04
D	+11.91	+2.77
E	+11.91	-2.77
F	+10.03	-7.04
G	+6.55	-10.31
H	+2.31	-11.99
J	-2.31	-11.99
K	-6.55	-10.31
L	-10.03	-7.04
M	-11.91	-2.77
N	-11.91	+2.77
P	-10.03	+7.04
R	-6.55	+10.31
S	-2.31	+8.15
T	+2.31	+8.15
U	+5.79	+4.93
V	+8.10	0.00
W	+6.10	-4.60
X	+2.31	-7.37
Y	-2.31	-7.37
Z	-6.10	-4.60
a	-8.10	0.00
b	-5.79	+4.93
c	0.00	+4.09
d	+3.40	0.00
e	0.00	-3.30
f	-3.40	0.00