

制品仕样书 PRODUCT SPECIFICATION

1. 适用范围 Scope:

此作业规范适用于: 0.5/1.0 PITCH FPC ZIF 立式抽屉式系列

This product specifications is applied for: 0.5/1.0 PITCH FPC ZIF vertical draw-out type series 与 FPC/FFC 连接方式 Connected to the FPC/FFC: ZIF

FPC/FFC 适合厚度 FPC/FFC is suitable for thickness: 0.30±0.03mm

2. 关联规格 Related specifications:

EIA-364: 电子连接器及接插件测试程序 Electronic connectors and connector test procedure

UL STD-94 :关于塑材设备零配件及器材阻燃性测试规范 On the plastic material and equipment spare parts and equipment flame retardancy test specification

3. 构造 尺寸 材料 Configurations dimensions and materials:

参见结构图 Reference the drawing。

序号	部 位	原材料供应商	材料名/Type名	防火等级	UL 编号
No.	Position	material suppliers	Materials	FLAME CLASS	FILE NO.
1	主体 (HOUSING)	宝理	LCP Liquid crystal polymer	V-0	E106764
(HOI	(HOUSTING)	POLYPLASTICS CO., LTD	E473i (自然色 Natural)		
2	推杆 (ACTUATOR)	可乐丽 KURARAY CO., LTD	Polyamide 9T GN2450 (黑色 Black)	V-0	E90350

4. 标准状态:

- 4.1 额定电压 Rating voltage: AC/DC 50V
- 4.2 额定电流 Rating current: 0.5A
- 4.3 温湿度范围 Temperature and humidity range
 - 4.3.1 使用温度范围 operation temperature: -40℃~+105℃;
 - 4.3.2 储存温度范围 storage temperature: -40℃~+105℃;
 - 4.3.3 开封使用温度范围 Kaifeng temperature range: +5℃~+35℃;

开封使用湿度 Kaifeng Humidity 60%RH MAX.;

4.3.4 保存湿度范围: 相对湿度 45~80%RH; Keep humidity range: Relative humidity45~80%RH;

5. 性能 Performance

5.1 构造 Structure

序号 NO.	项目Item	测试方法 Test conditions	规格要求 Specifications
1	トルス Appearance 目视,寸法测量 Visual, Method of measurement		符合图面要求 Conform to the
1	外观 Appearance	日7亿,了在侧里 VISual, Method of measurement	requirements of the drawings

5.2 电气性能 Electrical Performance

序号 NO.	V		规格要求 Specifications	
	接触阻抗	适配 FFC 标准线, 开放电压: 20mV 以下, 短路电流: 10mA 以下		
1	Contact	Mate applicable FPC, measure by dry circuit, 20mV MAXIMUM,	30mΩ Max.	
	Resistance	10mA MAXIMUM		
	绝缘阻抗	相邻端子间 DC 500V, 1 分钟。		
2	l Insulation	DC 500V between adjacent terminals, 1 minutes	500MΩ Min.	
	Resistance	DC 500V between adjacent terminars, I minutes		
	耐电压	相邻端子间 AC 500V, 感度电流 2mA, 1 分钟。		
3	Dielectric	AC 500V between adjacent terminals, sensitivity of	无击穿,无短路	
3	i withstanding	current 2mA. 1 minutes	No Breakdown.	
	voltage	current zma, i minutes		
	泪座上孔	端子在额定电压•电流下工作时测量端子上升的温度		
4	温度上升 Temperature rise	The rising temperature measurement terminal terminal at	30℃ max	
	Temperature 11se	rated current under.		

本制品不含 SS-00259 和 ROHS 禁止使用的环境物质

This product does not contain SS-00259 and ROHS banned the use of environmental substances

制 品 仕 样 书		_	0.5/1.0 PITC	H FPC ZIF verti	cal draw-out
Product specification		Part name	type series((立式抽屉式系列)	
Amphenol Aorora Techi	nology (Huizhou) Co.,Ltd	Part No.	F336-1A7*1-110** F314-1A7*1-110** F31A-1A7*1-110** F31W-1A7*1-110** F31Z-1A7*1-110** F31X-1A7*1-110** F31Y-1A7*1-110** F32A-1A7*1-110** F32U-1A7*1-110**	F536-1A7*1-110** F514-1A7*1-110** F51A-1A7*1-110** F51W-1A7*1-110** F51Z-1Z7*1-110** F51X-1A7*1-110** F51Y-1A7*1-110** F51Y-1A7*1-110**	1/8
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制品 仕样书 PRODUCT SPECIFICATION

	机械性能 Mechanio	_	1:4:		Imite made Co
序号 NO.	项目Item	测试方法 Test co			规格要求 Specifications
1	FFC/FPC 保持力 Retention Force	FFC 插入 FPC 连接品后,以 25~100mm/分匀速垂直拔出, 此动作重复三次后, 第四次才作测量资料的记录. FFC insert the FPC connection with a 25~100mm/ product, uniform vertical pull, this action is repeated three times, fourth times for measurement data records.			见"FFC/FPC 保持力" SEE"FFC/FPC Retention Force
2	固定片保持力 Anchor-Plate Retention Force	以 25~100mm/分匀速垂直拔出 Vertical pull out at a constant	400gf/terminal Min.		
3	推杆纵向拉断力 Pulling strength	将推杆组装成品后固定于治具上,两边同时/录数据. 速度 25-100mm/分 Fixed on the fixture, after finished p same time from the main body to a 25-100 side hook fracture and record data.	1.7Kgf Min.		
4	推杆横向拉断力	垂直推杆勾于仪器上用力向下拉使 25-100mm/分。 Push rod side hook hook on the ins at 25 to 100 mm/min speed down to idata	strument, the	vertical force	0.75Kgf Min.
5	推杆垂直拉断力	舌片固定测试仪器上以 25-100mm/分的速度垂直向上拉出,直至断裂,并记录数据 Tongue fixed test instrument at a rate of 25-100 - mm/min vertical pull out, until the break, and record the data			1.7Kgf Min
6	推杆强度	将推杆平放于治具上,治具对准推杆下压直至断裂 The putter flat on fixture, fixtur down at the rate of 25-100 - mm/	e on the push	rod in central,	1.7Kgf Min
7	端子保持力 Terminal Retention Force	将端子 25~100mm/分匀速垂直从胶芯 Apply axial pull out force on the housing at the speed rate of 25~	e terminal a		100gf/terminal Min.
8	SLIDER 动作力 Operating Force	将 FFC/FPC 插入主体后,测量 SLIDE After insert the FFC main body, th force measurement			见 "SLIDER作用力" "FFC/FPC Operating Force"
9	侧耳强度 Give ear strength	垂直主体侧耳,使其接合线外受力, Give ear, embody the vertical join the break		de force, until	0.8kgf min
以下动作进行 30 次巡回: 插拔耐久性 Durability			接触阻抗 Contact Resistance 50mΩ Max. 无异常 No abnormal appearance		
	This product	本制品不含 SS-00259 和 I does not contain SS-00259 and RO			nnmental substances
		品 仕 样 书	an bailled th		CH FPC ZIF vertical draw-out
		t specification	Part name		(立式抽屉式系列)
				F336-1A7*1-110** F314-1A7*1-110** F31A-1A7*1-110**	F536-1A7*1-110** F514-1A7*1-110**

This product does	not contain SS-00259 and RC	OHS banned th	ne use of enviro	onmental substan	ces
制 品 仕		0.5/1.0 PITO	CH FPC ZIF verti	cal draw-out	
Product spec	Part name	type series(立式抽屉式系列)			
Amphenol Aorora Technology (Huizhou) Co.,Ltd		Part No.	F336-1A7*1-110** F314-1A7*1-110** F31A-1A7*1-110** F31W-1A7*1-110** F31Z-1A7*1-110** F31X-1A7*1-110** F31Y-1A7*1-110** F32A-1A7*1-110** F32U-1A7*1-110**	F536-1A7*1-110** F514-1A7*1-110** F51A-1A7*1-110** F51W-1A7*1-110** F51W-1A7*1-110** F51X-1A7*1-110** F51Y-1A7*1-110** F52A-1A7*1-110**	2/8
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5.4 环境性能和其它 Environmental Performance and Ot	thers
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5.4 环	境性能和其它	Environmental Performance and Others	
序号 NO.	项 目 Item	测试方法 Test conditions	规格要求 Specifications
1	耐振性 Vibration	配合合适的 FPC, 按以下条件, X、Y、Z 方向各 2 小时, 共 6 小时在测试过程中通过直流 1mA, 振幅 1.5mm, 频率 10-55-10Hz/分。 Mate applicable FPC, according to the following conditions, X, Z, Y direction of each 2 hours, a total of 6 hours passing DC 1mA during the test. Amplitude: 1.5mm P-P Frequency: 10-55-10 Hz Shall be traversed in 1 minute.	The initial value of 2 times
2	耐冲击性 Shock	配合合适的 FPC, 按以下条件, X, Y, Z 方向各 11ms, 各 3 回, 共 18 回, 在测试过程中通过直流 1mA, 加速度 490m/s², Mate applicable FPC, according to the following conditions, X, Z, Y direction of the 11ms, the 3 times, a total of 18 times during the test process by DC 1mA. Test pulse: Half Sine Peak value: 490m/s2 {50G} Duration: 11 milliseconds	Discontinuity: 1 µs Max.
3	耐寒性 Cold Resistance	配合合适的 FPC, -40 ± 3 ℃中放置时间 96H 后取出, 1^2 小时常温放置后进行测试. Mate applicable FPC,after -40 ± 3 ℃,the time of 96H was removed, and the test was conducted at room temperature for 1^2 hours.	
4	耐热性 Heat Resistance	配合合适的 FPC, 105 ± 2 ℃中放置时间 $96H$ 后取出, 1^2 小时常温放置后进行测试. Mate applicable FPC, after 105 ± 2 ℃, the time of $96H$ was removed, and the test was conducted at room temperature for 1^2 hours.	2. 绝缘阻抗: 100 MΩ Min. 3. 耐电压: 无击穿,短路
5	耐湿性 Humidity	配合合适的 FPC, 40 ± 3 °C、相对湿度 $90^{\circ}95$ %中放置时间 96 H 后取出, $1^{\circ}2$ 小时常温放置后进行测试. Mate applicable FPC, 40 ± 3 °C, relative humidity $90^{\circ}95$ % in the time of 96 H after removal, $1^{\circ}2$ hours after room temperature for testing.	
6	盐雾试验 Salt Spray	配合合适的 FPC,温度 35 ± 2 °; 盐水比重 5 ± 1 %喷雾试验,试验后常温水洗干燥后进行测试。 A: 镀金 48h B: 镀锡 24h C: 单 pin 端子 48h Mate applicable FPC, the temperature of 35 ± 2 °C, the proportion of salt water was 5 ± 1 % the test was carried out at room temperature after washing and drying. A: gold plating 48H B: tin 24h C: single pin terminal 48H	voltage: No Breakdown. 4. No abnormal appearance

木制品不含 SS-00259	和 ROHS	禁止使!	田的环境物质

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制品仕 Product_spec	Part name	· ·	H FPC ZIF verti (立式抽屉式系列)		
Product specification Amphenol Aorora Technology (Huizhou) Co.,Ltd		Part No.	F336-1A7*1-110** F314-1A7*1-110** F31A-1A7*1-110** F31W-1A7*1-110** F31Z-1A7*1-110** F31Y-1A7*1-110** F31Y-1A7*1-110** F32A-1A7*1-110** F32U-1A7*1-110**	F536-1A7*1-110** F514-1A7*1-110** F514-1A7*1-110** F51W-1A7*1-110** F51Z-1Z7*1-110** F51X-1A7*1-110** F51Y-1A7*1-110**	3/8
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	AUHUHA	前 田 江 件 节 PRODUCT SPECIFICATIO	IV .
序号 NO.	项目Item	测试方法 Test conditions	规格要求 Specifications
7	冷热冲击 Thermal Shock	配合合适的 FPC, -55 ± 3 °C; 85 ± 2 °C 的温度下各放置 30 分钟,共进行 5 次循环 Mate applicable FPC, -55 ± 3 °C, 85 ± 2 °C,30 minutes,5 cycles were performed. 1: -55 °C 30 minutes 2: $+85$ °C 30 minutes	1.接触阻抗: 30mΩ Max.
8	耐湿性 (温湿度循 环) Humidity (Temperature and Humidity Cycle)		 2. 绝缘阻抗: 100 MΩ Min. 3. 耐电压: 无击穿, 短路 4. 外观: 无异常 1. Contact Resistance:
9	沾锡性 Solderabilit y	端子焊脚和固定片前端 0.3mm,沾锡温度 245±3℃ (Sn: Lead Free); 时间 3± 0.5S Terminal welding feet and fitting nail front 0.3mm, soldering temperature 245±5℃ (Sn: Lead Free);time 3±0.5S	95% of immersed area must show
10	焊锡耐热性 Resistance to Soldering Heat	端子焊脚和固定片前端 0.3mm,烙铁温度 350±10℃ (Sn: Lead Free);时间 10+1/-0 S Terminal welding feet and fitting nail front 0.3mm, soldering Iron temperature350±10℃ (Sn: Lead Free), time: 10+1/-0 S	满足电气性能 Meet the electrical properties 共面度 0.10mm Max.外观无异
11	Reflow	预备加热时间 Pre-heating time: 150℃ 60~120s。 焊锡温度时间 Soldering Temperature Time: 250℃ 30±1s。	常, Coplanar degree0.10mm Max. No abnormal appearance.
12	耐硫化性 (镀金品) Sulfidation resistance (Gold)	满足三种混合气体的试验的要求 Meet the requirements of the test of three kinds of mixed gas H ₂ S NO ₂ SO ₂ Temperatu Humidity Time 0.5ppm 1.0ppm 1.0ppm 35℃ 70%RH 72H	接触阻抗初始值2倍以下 The initial value of 2 times the contact impedance 触点附近无明显腐蚀。 Nearby contact no significant corrosion
14	耐溶剂 Solvent	将产品放入异丙基酒精容器中 90 秒后取出 。Product into the isopropyl alcohol container removed after 90 seconds.	满足电气性能, 外观无异常。 Meet electrical performance No abnormal appearance.

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制 品 仕 样 书			0.5/1.0 PITO	CH FPC ZIF verti	cal draw-out
Product sp	Product specification		type series	(立式抽屉式系列)	
Amphenol Aorora Technology (Huizhou) Co.,Ltd		Part No.	F336-1A7*1-110** F314-1A7*1-110** F31A-1A7*1-110** F31W-1A7*1-110** F31Z-1A7*1-110** F31X-1A7*1-110** F31Y-1A7*1-110** F32A-1A7*1-110** F32U-1A7*1-110**	F536-1A7*1-110** F514-1A7*1-110** F51A-1A7*1-110** F51W-1A7*1-110** F51Z-1Z7*1-110** F51X-1A7*1-110** F51Y-1A7*1-110** F52A-1A7*1-110**	4/8
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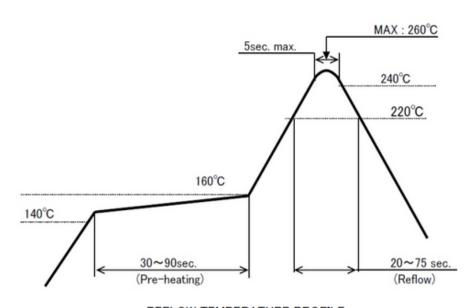
6. 包装 Packing

参见捆包图。See the drawing

7. 修改内容 Change content

版本 Rev.	改正日期 Modify date	改正内容 Modifications	Written by	Checked by
A	2012/08/07	New	贺恩海	叶正闲
В	2014/11/10	新增 55pin 力值	王梅芳	韩 奇
С	2015/12.30	修订内容,更新为中英文对照	王梅芳	韩 奇
D	2016/4/5	修订内容,中文一致	王梅芳	

Reflow Condition:



REFLOW TEMPERATURE PROFILE (Temperature on the product surface)

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制品 仕 样 书					cal draw-out	
Amphenol Aorora Techi	Part No.	F336-1A7*1-110** F314-1A7*1-110** F31M-1A7*1-110** F31W-1A7*1-110** F31Z-1A7*1-110** F31X-1A7*1-110** F31Y-1A7*1-110** F32Z-1A7*1-110** F32Z-1A7*1-110**	F536-1A7*1-110** F514-1A7*1-110** F51A-1A7*1-110** F51W-1A7*1-110** F51Z-1Z7*1-110** F51X-1A7*1-110** F51Y-1A7*1-110** F51Y-1A7*1-110**	5/8		
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SLIDER作用力 Slider Force:

极数	单 位		入力(最大值)			出力(最大值	
No. of CKT.	UNIT	NSER. 初回	TION FOR CE (6回目	MAXIMUM) 30 回目	WITHDRA 初回	WAL FORCE(M 6回目	AXIMUM) 30 回目
ONT.		1st	6th	30th	1st	6th	30th
	N	28. 4	26. 4	26. 4	36. 2	35. 2	35. 2
4	{ kgf }	{ 2. 9 }	{ 2.7 }	{ 2. 9 }	{ 3. 8 }	{ 3. 4 }	{ 3. 4 }
_	N	29. 3	27. 4	27.4	37. 2	35. 2	35. 2
5	{ kgf }	{ 3. 0 }	{ 2. 8 }	{ 2. 9 }	{ 3. 9 }	{ 3.5 }	{ 3.5 }
6	N	30. 3	28. 4	28. 4	39. 2	35. 2	35. 2
0	{ kgf }	{ 3. 1 }	{ 2. 9 }	{ 2.9 }	{ 4.0 }	{ 3. 6 }	{ 3. 6 }
0	N	32. 3	30. 3	30. 3	41. 1	37. 2	37.2
8	{ kgf }	{ 3. 3 }	{ 3. 1 }	{ 3. 1 }	{ 4. 2 }	{ 3.8 }	{ 3.8 }
0	N	33. 3	31. 3	31. 3	42. 1	38. 2	38. 2
9	{ kgf }	{ 3. 4 }	{ 3. 2 }	{ 3. 2 }	{ 4. 3 }	{ 3.9 }	{ 3. 9 }
1.0	N	34. 3	32. 3	32. 3	43. 1	39. 2	39. 2
10	{ kgf }	{ 3.5 }	{ 3. 3 }	{ 3. 3 }	{ 4. 4 }	{ 4.0 }	{ 4.0 }
1.0	N	36. 2	34. 3	34. 3	45. 0	41. 1	41. 1
12	{ kgf }	{ 3.7 }	{ 3.5 }	{ 3. 5 }	{ 4. 6 }	{ 4. 2 }	{ 4. 2 }
	N	37. 2	35. 2	35. 2	46. 1	42. 2	42. 2
13	{ kgf }	{ 3. 8 }	{ 3. 6 }	{ 3. 6 }	{ 4. 7 }	{ 4. 3 }	{ 4. 3 }
	N	38. 2	36. 2	36. 2	47. 0	43. 1	43. 1
14	{ kgf }	{ 3. 9 }	{ 3. 7 }	{ 3. 7 }	{ 4.8 }	{ 4. 4 }	{ 4. 4 }
	N	39. 2	37. 2	37. 2	48. 0	44. 1	44. 1
15	{ kgf }	{ 4. 0 }	{ 3. 8 }	{ 3. 8 }	{ 4. 9 }	{ 4. 5 }	{ 4. 5 }
	N	40. 1	38. 2	38. 2	49. 0	45. 0	45. 0
16	{ kgf }	{ 4. 1 }	{ 3. 9 }	{ 3. 9 }	{ 5. 0 }	{ 4. 6 }	{ 4. 6 }
	N	41. 1	39. 2	39. 2	49. 9	46. 0	46. 0
17	{ kgf }	{ 4. 2 }	{ 4. 0 }	{ 4. 0 }	{ 5. 1 }	{ 4. 7 }	{ 4. 7 }
	N	42. 1	40. 1	40. 1	50. 9	47. 0	47. 0
18	{ kgf }	{ 4. 3 }	{ 4. 1 }	{ 4. 1 }	{ 5. 2 }	{ 4. 8 }	{ 4. 8 }
	N	44. 1	42. 1	42. 1	52. 9	49. 0	49. 0
20	{ kgf }	{ 4. 5 }	{ 4. 3 }	{ 4. 3 }	{ 5. 4 }	{ 5. 0 }	{ 5. 0 }
	N	45. 0	43. 1	43. 1	53. 9	49. 9	49. 9
21	{ kgf }	{ 4. 6 }	{ 4. 4 }	{ 4. 4 }	{ 5. 5 }	{ 5. 1 }	{ 5. 1 }
	N	46. 0	44. 1	44. 1	54.8	50. 9	50. 9
22	{ kgf }	{ 4. 7 }	{ 4. 5 }	{ 4. 5 }	{ 5. 6 }	{ 5. 2 }	{ 5. 2 }
	N	47. 0	45. 0	45. 0	55. 8	51. 9	51.9
23	{ kgf }	{ 4.8 }	{ 4.6 }	{ 4.6 }	{ 5. 7 }	{ 5. 3 }	{ 5. 3 }

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制 品 仕 样 书		0.5/1.0 PITCH FPC ZIF vertical draw-out			cal draw-out
Product sp	Part name	type series(立式抽屉式系列)			
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极数 No. of	单 位 UNIT		入力(最大值) TION FOR CE(出力(最大(AWAL FORCE	
CKT.	CIVII	初回	6回目	30 回目	初回	6回目	30 回目
	> 7	1st	6th	30th	1st	6th	30th
24	N	48. 0	46. 0	46. 0	56.8	52. 9	52. 9
	{ kgf }	{ 4. 9 }	{ 4. 7 }	{ 4. 7 }	{ 5. 8 }	{ 5. 4 }	{ 5. 4 }
25	N	49. 0	47. 0	47. 0	57.8	53. 9	53. 9
	{ kgf }	{ 5. 0 }	{ 4. 8 }	{ 4.8 }	{ 5. 9 }	{ 5. 5 }	{ 5. 5 }
26	N	49. 9	48. 0	48. 0	58.8	54.8	54. 8
	{ kgf }	{ 5. 1 }	{ 4. 9 }	{ 4. 9 }	{ 6. 0 }	{ 5. 6 }	{ 5. 6 }
27	N	50. 9	49. 0	49. 0	59. 7	55.8	55. 8
	{ kgf }	{ 5. 2 }	{ 5. 0 }	{ 5. 0 }	{ 6. 1 }	{ 5. 7 }	{ 5. 7 }
28	N	51. 9	49. 9	49. 9	60. 7	56.8	56.8
	{ kgf }	{ 5. 3 }	{ 5. 1 }	{ 5. 1 }	{ 6. 2 }	{ 5. 8 }	{ 5. 8 }
30	N	53. 9	51. 9	51. 9	62. 7	58.8	58. 8
	{ kgf }	{ 5. 5 }	{ 5. 3 }	{ 5. 3 }	{ 6. 4 }	{ 6. 0 }	{ 6. 0 }
32	N	55. 8	53. 9	53. 9	63. 6	60. 7	60. 7
	{ kgf }	{ 5. 7 }	{ 5. 5 }	{ 5. 5 }	{ 6. 6 }	{ 6. 2 }	{ 6. 2 }
33	N	56.8	54.8	54.8	64.6	61.7	61. 7
	{ kgf }	{ 5. 8 }	{ 5. 6 }	{ 5. 6 }	{ 6. 7 }	{ 6. 3 }	{ 6. 3 }
34	N	57.8	55. 9	55. 9	65. 6	62. 7	62. 7
	{ kgf }	{ 5. 9 }	{ 5. 7 }	{ 5. 7 }	{ 6.8 }	{ 6. 4 }	{ 6. 4 }
36	N	59. 7	57.8	57.8	68.6	64.6	64. 6
	{ kgf }	{ 6. 1 }	{ 5. 9 }	{ 5. 9 }	{ 7. 0 }	{ 6. 6 }	{ 6. 6 }
40	N	63. 7	61. 7	61. 7	72.5	68.6	68. 6
10	{ kgf }	{ 6. 5 }	{ 6. 3 }	{ 6. 3 }	{ 7.4 }	{ 7. 0 }	{ 7. 0 }
42	N	65. 7	63. 7	63. 7	74. 5	70.6	70. 6
12	{ kgf }	{ 6. 7 }	{ 6. 5 }	{ 6. 5 }	{ 7.6 }	{ 7. 2 }	{ 7. 2 }
43	N	66. 7	64. 7	64. 7	75. 5	71.6	71.6
10	{ kgf }	{ 6. 8 }	{ 6. 6 }	{ 6. 6 }	{ 7. 7 }	{ 7.3 }	{ 7. 3 }
45	N	67. 6	65. 7	65. 7	77. 5	73. 5	73. 5
10	{ kgf }	{ 6. 9 }	{ 6. 7 }	{ 6. 7 }	{ 7.9 }	{ 7.5 }	{ 7.5 }
50	N	72. 5	70. 6	70. 6	81.4	77. 5	77. 5
	{ kgf }	{ 7.4 }	{ 7. 2 }	{ 7. 2 }	{ 8. 3 }	{ 7. 9 }	{ 7. 9 }
53	N	75. 5	73. 5	73. 5	84. 3	80.4	80. 4
	{ kgf }	{ 7. 7 }	{ 7.5 }	{ 7.5 }	{ 8. 6 }	{ 8. 2 }	{ 8. 2 }
55	N	77. 4	75. 5	75. 5	85. 3	81.3	81. 3
	{ kgf }	{ 7. 9 }	{ 7. 7 }	{ 7. 7 }	{ 8. 7 }	{ 8. 3 }	{ 8. 3 }
56	N	78. 4	76. 5	76. 5	87.3	83. 3	83. 3
50	{ kgf }	{ 8. 0 }	{ 7.8 }	{ 7.8 }	{ 8. 9 }	{ 8.5 }	{ 8. 5 }
60	N	82. 4	80. 4	80. 4	91.2	86.3	86. 3
60	{ kgf }	{ 8. 4 }	{ 8. 2 }	{ 8. 2 }	{ 9. 3 }	{ 8.8 }	{ 8. 8 }

本制品不含 SS-00259 和 ROHS 禁止使用的环境物质							
This product doe	s not contain SS-00259 and RC	OHS banned th	ne use of enviro	onmental substan	ices		
制品。	仕 样 书		0.5/1.0 PITO	CH FPC ZIF verti	cal draw-out		
Product sp	ecification	Part name	type series(立入油庫入系列)				
Amphenol Aorora Techi	Part No.	F336-1A7*1-110** F314-1A7*1-110** F31A-1A7*1-110** F31W-1A7*1-110** F31Z-1A7*1-110** F31X-1A7*1-110** F31Y-1A7*1-110** F32Z-1A7*1-110** F32Z-1A7*1-110**	F536-1A7*1-110** F514-1A7*1-110** F51A-1A7*1-110** F51W-1A7*1-110** F51Z-1Z7*1-110** F51X-1A7*1-110** F51Y-1A7*1-110**	7/8			
Document No.: IS. EQC. 012	Date: 2016/04/05	Rev.: D	Written by: May	Checked by: Rain	Approved by: Hongkui.Liu		



制品仕样书 PRODUCT SPECIFICATION

FFC/FPC 保持力 FFC/FPC Retention Force:

No. of CKT. UNIT	极数	单位	拔出力(极数		拔出力(最小值)	
Chi. 49 30	No. of				No. of			
4 N 1.0 0.6 26 N 9.7 8.0 5 N 1.3 0.8 27 N 10.1 8.4 6 N 1.7 1.0 28 N 10.5 8.7 6 N 1.7 1.0 28 N 10.5 8.7 6 N 1.7 1.0 28 (kgf) (1.03) (0.89) 8 N 2.5 1.7 30 N 11.3 9.92 8 N 2.9 2.1 32 (kgf) (1.15) (0.95) 9 N 2.9 2.1 32 (kgf) (1.23) (1.03) 10 N 3.3 2.4 33 N 12.5 10.4 10 N 3.3 (2.4 33 N 12.5 10.4 10 (kgf) (0.29) (0.21) 32 (kgf) (1.23) (1.03) 10 N	CKT.	01111			CKT.	01111		
4 (kgf) (0.10) (0.06) 26 (kgf) (0.99) (0.82) 5 N 1.3 0.8 27 (kgf) (1.03) (0.85) 6 N 1.7 1.0 28 N 10.5 8.7 6 (kgf) (0.17) (0.10) 28 (kgf) (1.07) (0.89) 8 N 2.5 1.7 30 (kgf) (1.15) (0.96) 9 N 2.9 2.1 32 (kgf) (1.15) (0.96) 10 N 3.3 (2.4 33 N 12.1 10.1 (kgf) (0.29) (0.21) 32 (kgf) (1.23) (1.03) 10 N 3.3 (2.4 33 N 12.5 10.4 (kgf) (0.29) (0.21) 32 34 (kgf) (1.27) (1.66) 12 N 4.2 3.2 34 N 12								
Section Color Co	4				26			
5 (kgf) (0.13) (0.08) 27 (kgf) (1.03) (0.85) 6 N 1.7 1.0 28 N 10.5 8.7 6 (kgf) (0.17) (0.10) 28 N 10.5 8.7 8 N 2.5 1.7 30 N 11.3 9.92 8 (kgf) (0.25) (0.17) 30 (kgf) (1.15) (0.95) 9 N 2.9 2.1 32 N 12.1 10.1 10 N 3.3 2.4 33 (kgf) (1.23) (1.03) 10 (kgf) (0.33) (0.24) 33 (kgf) (1.27) (1.06) 12 N 4.2 3.2 34 (kgf) (1.23) (1.06) 12 N 4.2 3.2 34 (kgf) (1.40) (1.17) 12 N 4.6 3.5 36 N								
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(kgf) (0.17) (0.10) (kgf) (1.07) (0.89) 8 N 2.5 1.7 30 N 11.3 9.92 9 N 2.9 2.1 32 N 12.1 10.1 10 N 3.3 2.4 33 (kgf) (1.23) (1.03) 10 N 3.3 2.4 33 (kgf) (1.23) (1.06) 12 N 4.2 3.2 34 (kgf) (1.27) (1.06) 12 N 4.2 3.2 34 (kgf) (1.31) (1.08) 13 N 4.6 3.5 36 N 13.8 11.5 (kgf) (0.46) (0.35) 36 (kgf) (1.40) (1.17) 14 N 4.9 3.9 40 N 15.3 12.9 (kgf) (0.50) (0.39) 40 (kgf) (1.56) (1.32) 15 <td>6</td> <td></td> <td></td> <td></td> <td>28</td> <td></td> <td></td> <td></td>	6				28			
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Section Sect	8				30			
9 (kgf) (0.29) (0.21) 32 (kgf) (1.23) (1.03) 10 N 3.3 (0.24) 33 N 12.5 10.4 (kgf) (0.33) (0.24) 33 (kgf) (1.27) (1.06) 12 N 4.2 3.2 34 N 12.9 10.7 (kgf) (0.42) (0.32) 34 (kgf) (1.31) (1.08) 13 N 4.6 3.5 36 N 13.8 11.5 (kgf) (0.46) (0.35) 36 (kgf) (1.40) (1.17) 14 N 4.9 3.9 40 N 15.3 12.9 15 N 5.3 4.2 N 15.4 14.7 (kgf) (0.50) (0.39) 40 (kgf) (1.56) (1.32) 15 N 5.3 4.2 42 (kgf) (1.58) (1.56) (1.32) 16 N 5.7 4.6 43 N 15.8 (1.50) 17 N 6.1 4.8 45 N 15.8 15.1 (kgf) (0.62) (0.49) 45 (kgf) (1.61) (1.50) 18 N 6.5 5.2 50 N 16.5 15.8 (kgf) (0.66) (0.53) 50 (kgf) (1.88) (1.54) 18 N 6.5 5.2 50 N 18.4 17.7 (kgf) (0.66) (0.53) 50 (kgf) (1.88) (1.81) 20 N 7.3 5.9 52 N 19.1 18.4 (kgf) (0.74) (0.60) 52 (kgf) (1.95) (1.87) 21 N 7.7 6.3 53 N 19.5 18.7 21 N 7.7 6.3 53 N 19.5 18.7 21 N 7.7 6.3 53 N 19.5 18.7 22 (kgf) (0.78) (0.60) 55 (kgf) (1.99) (1.91) 23 N 8.2 6.7 55 N 20.2 19.5 (kgf) (0.83) (0.68) 55 (kgf) (2.07) (1.99) 23 N 8.5 7.0 56 N 20.6 19.9 24 N 8.9 7.3 (kgf) (0.91) (0.71) 56 (kgf) (2.25) (2.18)								
(kgf) (0.29) (0.21) (kgf) (1.23) (1.03) 10 N 3.3 2.4 33 N 12.5 10.4 12 N 4.2 3.2 34 N 12.9 10.7 (kgf) (0.42) (0.32) 34 N 12.9 10.7 (kgf) (0.42) (0.32) 34 N 12.9 10.7 (kgf) (0.42) (0.32) 34 (kgf) (1.31) (1.08) 13 N 4.6 3.5 36 N 13.8 11.5 14 N 4.9 3.9 40 N 15.3 12.9 (kgf) (0.50) (0.39) 40 N 15.3 12.9 (kgf) (0.50) (0.39) 40 N 15.3 12.9 (kgf) (0.50) (0.39) 40 N 15.3 14.7 (kgf) (0.50) (0.39) 40	g				32	N		
10	<i></i>							{ 1.03 }
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12	10	{ kgf }			JJ		{ 1.27 }	{ 1.06 }
13 N 4.6 3.5 36 N 13.8 11.5 14 N 4.9 3.9 40 (kgf) (1.40) (1.17) 14 N 4.9 3.9 40 N 15.3 12.9 (kgf) (0.50) (0.39) 40 (kgf) (1.56) (1.32) 15 N 5.3 4.2 42 N 15.4 14.7 (kgf) (0.54) (0.42) 42 (kgf) (1.58) (1.50) 16 N 5.7 4.6 43 (kgf) (1.58) (1.50) 17 N 6.1 4.8 45 N 16.5 15.8 18 N 6.5 5.2 50 N 18.4 17.7 (kgf) (0.66) (0.53) 50 (kgf) (1.88) (1.81) 20 N 7.3 5.9 52 N 19.1 18.4	19	N	4.2	3. 2	24	N	12.9	10. 7
13 {kgf} {0.46} {0.35} 36 {kgf} {1.40} {1.17} 14 N 4.9 3.9 40 N 15.3 12.9 15 N 5.3 4.2 42 N 15.4 14.7 {kgf} (0.54) (0.42) 42 (kgf) (1.58) (1.50) 16 N 5.7 4.6 43 N 15.8 15.1 {kgf} (0.58) (0.46) 43 (kgf) (1.61) (1.50) 17 N 6.1 4.8 45 N 16.5 15.8 {kgf} (0.62) (0.49) 45 (kgf) (1.69) (1.54) 18 N 6.5 5.2 50 N 18.4 17.7 {kgf} (0.66) (0.53) 50 (kgf) (1.88) (1.81) 20 (kgf) (0.74) (0.60) 52 (kgf) (1.95) (1.87)	12		{ 0.42 }		94			{ 1.08 }
14 N 4.9 3.9 40 N 15.3 12.9 15 N 5.3 4.2 42 N 15.4 14.7 16 N 5.7 4.6 43 N 15.8 15.1 16 N 5.7 4.6 43 N 15.8 15.1 16 N 6.1 4.8 45 N 16.5 15.8 17 N 6.1 4.8 45 N 16.5 15.8 18 N 6.5 5.2 50 N 18.4 17.7 18 N 6.5 5.2 50 N 18.4 17.7 18 N 7.3 5.9 52 N 19.1 18.4 20 N 7.3 5.9 52 N 19.1 18.4 19 1 18.4 10.60 10.60 10.60 10.60 10.60 10.60 10.60 10.60 10.60 10.60 10.60 10.60 10.60 10.60	12	N	4.6	3. 5	26	N	13.8	11.5
14 (kgf) (0.50) (0.39) 40 (kgf) (1.56) (1.32) 15 N 5.3 4.2 42 N 15.4 14.7 (kgf) (0.54) (0.42) 42 (kgf) (1.58) (1.50) 16 N 5.7 4.6 43 N 15.8 15.1 (kgf) (0.58) (0.46) 43 (kgf) (1.61) (1.50) 17 N 6.1 4.8 45 N 16.5 15.8 (kgf) (0.62) (0.49) 45 (kgf) (1.69) (1.54) 18 N 6.5 5.2 50 N 18.4 17.7 (kgf) (0.66) (0.53) 50 (kgf) (1.88) (1.81) 20 N 7.3 5.9 52 N 19.1 18.4 (kgf) (0.74) (0.60) 52 N 19.5 18.7 (kgf)	15	{ kgf }	{ 0.46 }	{ 0.35 }	50	{ kgf }	{ 1.40 }	{ 1. 17 }
15 N 5.3 4.2 42 N 15.4 14.7 16 N 5.7 4.6 43 N 15.8 15.1 16 (kgf) (0.58) (0.46) 43 (kgf) (1.61) (1.50) 17 N 6.1 4.8 45 N 16.5 15.8 18 N 6.5 5.2 50 N 18.4 17.7 18 N 7.3 5.9 52 N 19.1 18.4 20 N 7.3 5.9 52 N 19.1 18.4 21 N 7.7 6.3 53 N 19.5 18.7 21 N 8.2 6.7 55 N 20.2 19.5 22 N 8.2 6.7 55 N 20.2 19.5 23 N 8.5 7.0 (kgf) (2.07) (1.99) 23 N 8.5 7.0 (kgf) (2.11) (2.03) 24 N 8.9 7.3 60 N 22.1 21.4 (kgf) (0.91) (0.74) 60 N 22.1 21.4 <td>1.4</td> <td>N</td> <td>4.9</td> <td>3. 9</td> <td>40</td> <td>N</td> <td>15. 3</td> <td>12. 9</td>	1.4	N	4.9	3. 9	40	N	15. 3	12. 9
15 {kgf} {0.54} {0.42} 42 {kgf} {1.58} {1.50} 16 N 5.7 4.6 43 N 15.8 15.1 17 N 6.1 4.8 45 N 16.5 15.8 17 N 6.1 4.8 45 N 16.5 15.8 18 N 6.5 5.2 50 N 18.4 17.7 18 N 6.5 5.2 50 N 18.4 17.7 18 (kgf) (0.66) (0.53) 50 (kgf) (1.88) (1.81) 20 N 7.3 5.9 52 N 19.1 18.4 (kgf) (0.74) (0.60) 52 N 19.1 18.4 (kgf) (0.74) (0.60) 52 N 19.5 18.7 (kgf) (0.78) (0.64) 53 N 19.5 18.7 (kgf	14	{ kgf }	{ 0.50 }	{ 0.39 }	40	{ kgf }	{ 1.56 }	{ 1.32 }
16 N 5.7 4.6 43 N 15.8 15.1 17 N 6.1 4.8 45 N 16.5 15.8 18 N 6.5 5.2 50 N 18.4 17.7 18 N 7.3 5.9 52 N 19.1 18.4 20 N 7.7 6.3 5.9 (kgf) (1.95) (1.87) 21 N 7.7 6.3 53 (kgf) (1.99) (1.91) 22 N 8.2 6.7 55 N 20.2 19.5 23 N 8.5 7.0 56 N 20.6 19.9 23 N 8.9 7.3 60 N 22.1 21.4 24 N 8.9 7.3 60 N 22.1 21.4 25 N 9.4 7.7 60.2 10.74 10.74 10.74	15	N	5.3	4.2	49	N	15. 4	14. 7
16 {kgf} {0.58} {0.46} 43 {kgf} {1.61} {1.50} 17 N 6.1 4.8 45 N 16.5 15.8 {kgf} {0.62} {0.49} 45 {kgf} {1.69} {1.54} 18 N 6.5 5.2 50 N 18.4 17.7 {kgf} {0.66} {0.53} 59 52 N 19.1 18.4 20 N 7.3 5.9 52 N 19.1 18.4 {kgf} {0.74} {0.60} 52 Kgf {1.95} {1.87} 21 N 7.7 6.3 53 N 19.5 18.7 {kgf} {0.78} {0.64} 53 {kgf} {1.99} {1.91} 22 N 8.2 6.7 55 N 20.2 19.5 {kgf} {0.83} {0.68} 55 N 20.2 19.5 23 N 8.5 7.0 0 N 20.6 19.9	10				42			{ 1.50 }
17 N 6.1 4.8 45 N 16.5 15.8 18 N 6.5 5.2 50 N 18.4 17.7 18 N 6.5 5.2 50 N 18.4 17.7 20 N 7.3 5.9 52 N 19.1 18.4 20 N 7.3 5.9 52 N 19.1 18.4 21 N 7.7 6.3 53 N 19.5 18.7 21 N 7.7 6.3 53 N 19.5 18.7 22 N 8.2 6.7 55 N 20.2 19.5 22 (kgf) (0.83) (0.68) 55 (kgf) (2.07) (1.99) 23 N 8.5 7.0 56 N 20.6 19.9 24 N 8.9 7.3 60 N 22.1 21.4 (kgf) (0.91) (0.74) 60 N (2.25) (2.18) <td>16</td> <td>N</td> <td>5. 7</td> <td>4.6</td> <td>43</td> <td>N</td> <td>15.8</td> <td>15. 1</td>	16	N	5. 7	4.6	43	N	15.8	15. 1
17 {kgf} {0.62} {0.49} 45 {kgf} {1.69} {1.54} 18 N 6.5 5.2 50 N 18.4 17.7 {kgf} {0.66} {0.53} 50 N 18.4 17.7 {kgf} {0.66} {0.53} 50 N 19.1 18.4 20 N 7.3 5.9 52 N 19.1 18.4 {kgf} {0.74} {0.60} 63 60 <td>10</td> <td></td> <td>{ 0.58 }</td> <td>{ 0.46 }</td> <td>43</td> <td></td> <td></td> <td>{ 1.50 }</td>	10		{ 0.58 }	{ 0.46 }	43			{ 1.50 }
18 N 6.5 5.2 50 N 18.4 17.7 20 N 7.3 5.9 19.1 18.4 20 N 7.3 5.9 19.1 18.4 21 N 7.7 6.3 N 19.5 18.7 21 N 7.7 6.3 19.5 19.5 18.7 22 N 8.2 6.7 55 N 20.2 19.5 22 N 8.2 6.7 55 N 20.2 19.5 23 N 8.5 7.0 (kgf) (2.07) (1.99) 23 N 8.5 7.0 (kgf) (2.11) (2.03) 24 N 8.9 7.3 60 N 22.1 21.4 (kgf) (0.91) (0.74) (kgf) (2.25) (2.18)	17	N	6. 1	4.8	45	N	16. 5	15.8
18 {kgf} {0.66} {0.53} 50 {kgf} {1.88} {1.81} 20 N 7.3 5.9 N 19.1 18.4 {kgf} {0.74} {0.60} 52 N 19.1 18.4 {kgf} {1.95} {1.87} 21 N 7.7 6.3 53 N 19.5 18.7 {kgf} {0.78} {0.64} 53 {kgf} {1.99} {1.91} 22 N 8.2 6.7 55 N 20.2 19.5 {kgf} {0.83} {0.68} 55 {kgf} {2.07} {1.99} 23 N 8.5 7.0 56 N 20.6 19.9 {kgf} {0.87} {0.71} 56 N 20.6 19.9 24 N 8.9 7.3 60 N 22.1 21.4 {kgf} {0.91} {0.74} {0.74} {kgf} {2.25} {2.18}					40		{ 1.69 }	{ 1.54 }
20 N 7.3 5.9 4 kgf } {0.66} {0.60} 20 N 19.1 18.4 4 kgf } {0.60} 52 N 19.1 18.4 21 N 7.7 6.3 N 19.5 18.7 21 N 8.2 6.7 53 Kgf } {1.99} {1.91} 22 N 8.2 6.7 55 N 20.2 19.5 23 N 8.5 7.0 Kgf } {2.07} {1.99} 23 N 8.5 7.0 Kgf } {2.11} {2.03} 24 N 8.9 7.3 60 N 22.1 21.4 4 kgf } (0.91) (0.74) (0.74) (0.74) (0.74) (0.74)	1.0	N	6.5	5. 2	50	N	18.4	17. 7
20 {kgf} {0.74} {0.60} 52 {kgf} {1.95} {1.87} 21 N 7.7 6.3 53 N 19.5 18.7 {kgf} {0.78} {0.64} 53 {kgf} {1.99} {1.91} 22 N 8.2 6.7 55 N 20.2 19.5 {kgf} {0.83} {0.68} 55 {kgf} {2.07} {1.99} 23 N 8.5 7.0 56 N 20.6 19.9 {kgf} {0.87} {0.71} {0.71} 6.3 (kgf) {0.71} 6.3 (k	10			{ 0.53 }	50		{ 1.88 }	{ 1.81 }
21 N 7.7 6.3 53 N 19.5 18.7 21 N 7.7 6.3 53 N 19.5 18.7 22 N 8.2 6.7 55 N 20.2 19.5 22 Kgf } (0.83) (0.68) 55 Kgf } (2.07) (1.99) 23 N 8.5 7.0 56 N 20.6 19.9 24 N 8.9 7.3 60 N 22.1 21.4 4 (kgf) (0.91) (0.74) 60 Kgf } (2.25) (2.18)	20	N	7.3	5. 9	52	N	19. 1	18. 4
21 {kgf} {0.78} {0.64} 53 {kgf} {1.99} {1.91} 22 N 8.2 6.7 55 N 20.2 19.5 {kgf} {0.83} {0.68} 55 {kgf} {2.07} {1.99} 23 N 8.5 7.0 56 N 20.6 19.9 24 N 8.9 7.3 60 N 22.1 21.4 {kgf} {0.91} {0.74} 60 {kgf} {2.25} {2.18}	20	{ kgf }		{ 0.60 }	JZ	{ kgf }	{ 1.95 }	{ 1.87 }
22 N 8.2 6.7 {kgf} {0.83} {0.68} 23 N 20.2 19.5 {kgf} {2.07} {1.99} 23 N 8.5 7.0 N 20.6 19.9 {kgf} {0.87} {0.71} 60 N 22.1 21.4 24 N 8.9 7.3 60 N 22.1 21.4 {kgf} {0.91} {0.74} {kgf} {2.25} {2.18}	91	N			53			
22 { kgf } { 0.83 } { 0.68 } 55	21	{ kgf }	{ 0.78 }	{ 0.64 }	55	{ kgf }	{ 1.99 }	{ 1.91 }
23	22	N	8.2	6. 7	55	N	20. 2	19. 5
23 {kgf} {0.87} {0.71} 56 {kgf} {2.11} {2.03} 24 N 8.9 7.3 60 N 22.1 21.4 {kgf} {0.91} {0.74} 60 {kgf} {2.25} {2.18}	22	{ kgf }	{ 0.83 }	{ 0.68 }	55	{ kgf }	{ 2. 07 }	{ 1.99 }
24 N 8.9 7.3 60 N 22.1 21.4 4 {kgf} (0.91) (0.74) 60 {kgf} (2.11) (2.03) 8.9 7.3 (4.21) (4.21) (4.21) (4.21) 8.9 (0.74) (4.21) (4.21) (4.21) (4.21) 8.9 (4.21) (4.21) (4.21) (4.21) (4.21) 8.9 (4.21) (4.21) (4.21) (4.21) (4.21) 8.9 (4.21) (4.21) (4.21) (4.21) (4.21) 8.9 (4.21) (4.21) (4.21) (4.21) (4.21) 8.9 (4.21) (4.21) (4.21) (4.21) (4.21) (4.21) 8.9 (4.21)	0.0	N	8.5	7. 0	56	N	20.6	19. 9
24 {kgf} {0.91} {0.74} 60 {kgf} {2.25} {2.18}	۷۵	{ kgf }	{ 0.87 }	{ 0.71 }	υυ 	{ kgf }	{ 2. 11 }	{ 2.03 }
\[\text{\kgf} \\ \te	24	N	8.9	7. 3	60	N	22. 1	21. 4
		{ kgf }	{ 0.91 }	{ 0.74 }		{ kgf }	{ 2. 25 }	{ 2. 18 }
40 (1 (2) (0 (5) (0 (5))	25		9.4					
{ kgt } { 0.95 } { 0.78 }	25	{ kgf }	{ 0.95 }	{ 0.78 }				

本制品不含 SS-00259 和 ROHS 禁止使用的环境物质							
This product does not contain SS-00259 and ROHS banned the use of environmental substances							
制品。	仕 样 书		0.5/1.0 PITO	CH FPC ZIF verti	cal draw-out		
Product sp	ecification	Part name	type series(立八油庫八尔列)				
Amphenol Aorora Techi	Part No.	F336-1A7*1-110** F314-1A7*1-110** F31A-1A7*1-110** F31W-1A7*1-110** F31Z-1A7*1-110** F31Z-1A7*1-110** F31Y-1A7*1-110** F32Z-1A7*1-110** F32Z-1A7*1-110**	F536-1A7*1-110** F514-1A7*1-110** F51A-1A7*1-110** F51W-1A7*1-110** F51Z-1Z7*1-110** F51X-1A7*1-110** F51Y-1A7*1-110**	8/8			
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