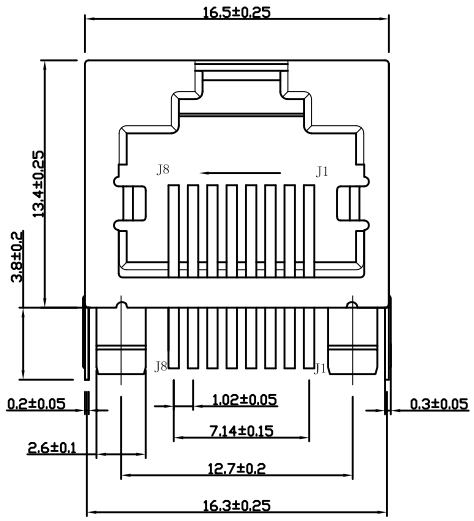
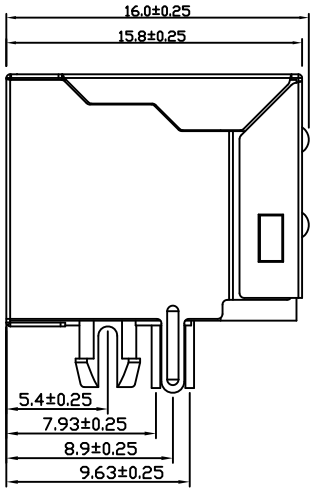
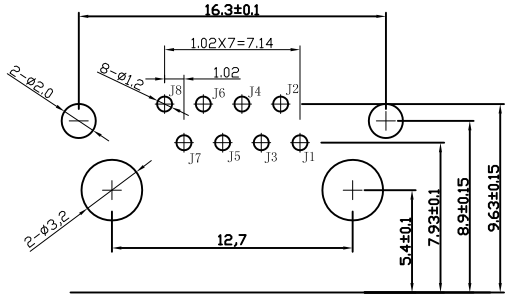
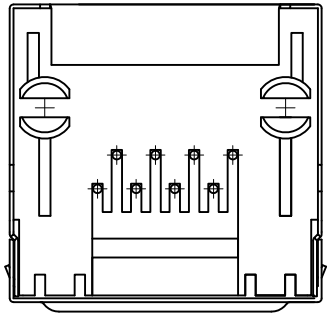






P.C.B参考图



主要参数：

1.额度电压、电流:125V/1.5A max

2.接触电阻:40mΩ Max 初始态 100mΩ Max 最终态

3.绝缘电阻:500MΩMin

4.耐压试验:DC 500V/10.0mA for 1 minute

5.盐雾测试:8±0.5H

6.焊接温度：260±5℃ 3±0.5s

其他要求

1.产品应无错装。漏装零件等现象；
2.零件表面应无裂纹、缺料、飞边等现象，表面镀层应光亮美观
3.未注尺寸公差为±0.15mm

材质要求

1.基座：PA66黑色
2.屏蔽：H62铜
3.信号针：磷铜镀金

发放部门	
行政部	
业务部	
采购部	
工程部	
品保部	
生产部	

							视图							
标记	处数		更改文件号	签字		日期	图样标记		重量	比例	网络插座			
设计	李攀进	日期	13.05.16	标准化		日期								
校对		日期		审定		日期								
工艺		日期									RJ45-056-1-4			
审核	王晓峰	日期	13.05.16				共 页		第 页					

----PRODUCT SPECIFICATION (产品规格书)		
DESCRIPTION(描述): RJ45-网络插口	REVISION(版本): A-0	RELEASE DATE(制作日期): 2012-4-16
PREPARED(制作): 李攀进	CHECKED(校阅): /	APPROVED(承认): 王晓峰

1.0.SCOPE(范围)

This product specification covers performance, tests and quality requirements for RJ45 connector

这个产品表面规格功能,测试质量条件是非常鲜明的 RJ45 接口

When tests are performed on subject product line, procedures specified in Figure 1 shall be used. All inspections shall be performed using the applicable inspection plan and product drawing.

所有的检验均适用检验规范及产品图面

2.0.APPLICABLE DOCUMENTS 适用文件

The following documents form a part of this specification to the extent specified herein. Unless otherwise specified, the latest edition of the document applies. In the event of conflict between the requirements of the specification and the product drawing, the product drawing shall take precedence. In the event of conflict between the requirements of this specification and the referenced documents, this specification shall take precedence.

下列文件详述本产品的规定及规范。除另有规定外，以该文件版本为最新。在此之间的规范和产品图纸的要求发生冲突时，以产品图纸为准。

在此之间的规范和参考文件的要求发生冲突时，以本规范为准

3.0.REQUIREMENTS 要求

3.1.Standard atmospheric condition:标准大气条件

Unless otherwise specified, the standard range of atmospheric condition for marking, measurement and tests is as follows:除非另有说明,以标准大气条件,量测及测试如下:

Ambient temperature 周围温度: 15℃ to 35℃

Relative humidity 相对湿度: 63% to 67%

Air pressure 气压: 86 kpa to 106 kpa

3.2.Temperature:

Operating 使用: - 25℃ to 85℃

Storage 储存: -40℃ to 85℃

3.3. Ratings 等级

Voltage : 125 Volts

Current : 1.5 Amperes

----PRODUCT SPECIFICATION (产品规格书)		
DESCRIPTION(描述): RJ45-网络插口	REVISION(版本): A-0	RELEASE DATE(制作日期): 2012-4-16
PREPARED(制作): 李攀进	CHECKED(校阅): /	APPROVED(承认): 王晓峰

3.4.Dimension 尺寸

See applicable product drawing 参考产品图面

3.5.material, plating and markings 材质，电镀

3.5.1.Housing Dielectric Material:

3.5.1.1.Polymer type(塑料材质):见图纸

3.5.1.2.Color(颜色):见图纸

3.5.2 Metal material 金属材质

3.5.2.1. Contact zone 接触区：磷铜，

3.5.2.2 The shielding zone 屏蔽区：黄铜

3.5.3.Contact Plating 接触区电镀

3.5.3.1.Contact surface plating material 接触面电镀：见图纸

3.5.3.2.Underplate material 底层电镀：见图纸

3.5.3.3.Solder tail plating material 焊接区域电镀：见图纸

4.0.Performance and Test Description 功能测试叙述

Electronic product, mechanical and environmental performance and requirements in accordance with the provisions in the table below.

电子产品，机械和环境与下表中规定的性能要求

----PRODUCT SPECIFICATION (产品规格书)

DESCRIPTION(描述): RJ45-网络插口	REVISION(版本): A-0	RELEASE DATE(制作日期): 2012-4-16
PREPARED(制作): 李攀进	CHECKED(校阅): /	APPROVED(承认): 王晓峰

4.1.Appearance 外观要求

Item	Test Description 种类	Requirement 要求	Test Procedure 测试过程
1	Examination of Product 产品检查	Product shall meet requirements of applicable product drawing and specification. 产品必需满足图面及规格要求	Visual, dimensional and functional per applicable quality inspection plan. 目视,尺寸和功能满足质量检验规范

4.2. Electrical 电气特性

2	Low Level Contact Resistance 接触阻抗	Terminal Pin1-Pin8： 40 milliohms maximum initial 40 milliohms maximum after test Switch： 100 milliohms maximum initial 100 milliohms maximum after test 8Pin端子： 初始值小于40毫欧 测试后阻值小于**40**毫欧 开关端子： 初始值小于100毫欧 测试后阻值小于**100**毫欧	Mate subject connector with compatible connector. Then measure and record the contact resistance of the specimen under test with a test current of 100 mill-amperes maximum and 20 mill-volts open circuit voltage maximum . 与公母座搭配,然后用电流最大100mA电压最大20mV测量及记录接触阻抗,
3	Insulation Resistance 绝缘阻抗	**500** Mega ohms minimum initial **200** Mega ohms minimum final 初始阻抗最小500兆欧,测试后最小200兆欧	After 500 VDC for 1 minute, measure the insulation resistance between the adjacent contacts of mated and unmated connector assemblies. 1分钟500 VDC后，测量交配和未交配的连接器组件的相邻触点之间的绝缘电阻。
4	Dielectric Withstanding Voltage 耐电压	1 minute hold with no breakdown or flashover. 1 分钟保持无破裂或击穿。	Test between adjacent contacts of unmated connector assemblies. Voltage: 500 VDC Current leakage: 10.0 mA max. 未交配连接器组件的相邻触点之间进行测试：电压：500 VDC 漏电流：10.0 mA最大.

4.3.Mechanical 机械特性

5	Mating force 插入力	25N Max.	Measure force necessary to mate the connector assemblies at a max of 12.5 mm/minute. 连接器组件中测量力度最大的必须在12.5毫米/分钟。
6	Durability 耐久性	750 cycles. Shall meet visual requirements, show no physical damage 目视要求，外观无损坏等不良。	Mate and unmated connector assemblies for 750 cycles at a maximum rate of 20 cycles/min. 交配和未交配连接器组件750周期在20次/分钟的最高速率。

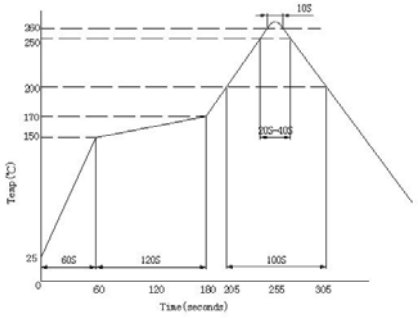
4.4.Environmental 环境特性

----PRODUCT SPECIFICATION (产品规格书)

DESCRIPTION(描述): RJ45-网络插口	REVISION(版本): A-0	RELEASE DATE(制作日期): 2012-4-16
PREPARED(制作): 李攀进	CHECKED(校阅): /	APPROVED(承认): 王晓峰

7	Heat test 耐温试验	The insulation resistance must coincide previously specification 绝缘强度必须与前述的规格相符 Shall meet visual requirements, show no physical damage 目视要求，外观无损坏等不良。	Subject mated connectors to 85℃± 2℃ for 96 hours. It shall be subjected to standard atmospheric condition for 1 hour after which measurements shall be made. 以温度85℃± 2℃,时间96 小时进行试验.试验后物品应置于标准大气条件中 1 小时后再进行测量动作
8	Steady State Humidity 恒温恒湿	The insulation resistance must coincide previously specification 绝缘强度必须与前述的规格相符 Shall meet visual requirements, show no physical damage 目视要求，外观无损坏等不良。	Subject mated connectors to relative humidity of 90% to 95%RH and a temperature of 40℃ ± 2℃ relative humidity for 96 hour. It shall be subjected to standard atmospheric condition for 1 hour after which measurements shall be made. 以相对湿度90% ~95%RH,温度40℃ ± 2℃,96小时进行试验.试验后物品应置于标准大气条件中1小时后再进行测量动作
9	Salt Spray 盐雾试验	Shall meet visual requirements, show no physical damage 目视要求，外观无损坏等不良。	Subject mated connectors to 5±1% salt-solution concentration, 35+1℃/-2℃ for 8 hours. 以5±1%的盐水浓度;温度35+1℃/-2℃ ,时间8小时进行试验
4.5.Mounting characteristics装配特性			
10	Solderability 吃锡性	Solderable area shall have minimum of 95% solder coverage. 浸入表面积的焊接区域将最小有95%以上	After dipped the pin in the flux of R type for 5-10 seconds. Immerse the solder pin of the connector in the solder bath at 245±5℃ for 4.0-5.0 seconds. 将端子脚浸入R type的助焊剂中5-10秒,然后将端子脚浸入245℃ ± 5℃的锡炉中4.0~5.0秒
11	Resistance to soldering heat 耐焊性	The contact resistance must coincide previously specification 接触阻抗必须与前述的规格相符 Shall meet visual requirements, show no physical damage 目视要求，外观无损坏等不良。	Reflow Soldering Conditions: Preheat:Temperature on the copper foil surface should reach 180℃, 2±0.3minutes after the P.W.B entered into the soldering equipment. Soldering heat:Temperature on the copper foil surface should reach the peak temperature of 260±5℃ with in 10 seconds after the P.W.B enter into soldering heat zone. 回流焊条件: 预热:电镀层表面的温度应达到180℃,2±0.3分钟后电路板进入回流焊设备. 回流焊温度:电镀层表面温度最高为260±5℃且停留不超过10秒后电路板进入低温焊接处.

----PRODUCT SPECIFICATION (产品规格书)		
DESCRIPTION(描述): RJ45-网络插口	REVISION(版本): A-0	RELEASE DATE(制作日期): 2012-4-16
PREPARED(制作): 李攀进	CHECKED(校阅): /	APPROVED(承认): 王晓峰

			 Place the connector on the P.C. Board, then immerse the solder pin up to the surface of the board in the solder bath at 260℃ ± 5℃ for 10 seconds 将连接器置于PC板上,然后将露出PC板表面的Pin脚部分浸入260℃ ± 5℃的锡炉中10秒 Soldering iron method: Bit temperature 350±10℃,application time 1~5 sec.However excessive pressure shall not be applied to the terminal. 手工焊接的时候温度需控制在350±10℃,时间为1~5秒,不能在端子上施加异常压力.