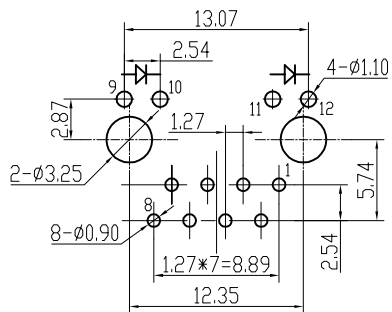
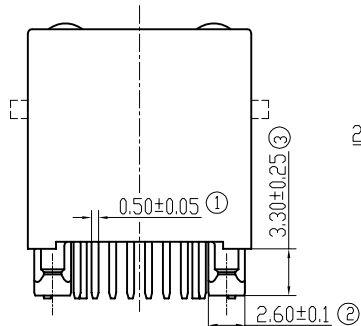


A

B

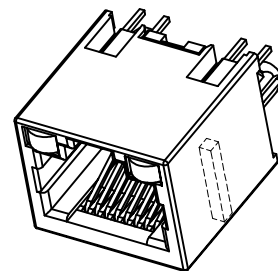
C

D

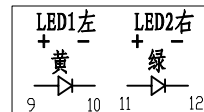
PC Board Layout(t=1.60mm)
Component Side Shown

▲此为CPK管控标记

塑胶料满足以下环保要求: 禁止含有以下七种:
红磷阻燃剂Red phosphorus flame retardant
溴系阻燃剂Brominated Flame Retardants
氯系阻燃剂Chlorinated Flame Retardants
聚氯乙烯Polyvinyl Chloride (PVC)
邻苯二甲酸酐Phthalates
三氧化锡 Antimony Trioxide
铍及其化合物 Beryllium (Be) and its compounds



REV. 版本	ECN NO. 变更说明	DATE 日期
01	新案选型	2015.09.02



A

B

C

D

电气特性:

1. 额定电压: 150 VAC RMS
2. 额定电流: 1.5AMPS@25℃
3. 接触电阻: 20mΩ MAX.
4. 绝缘电阻: 1000 MΩ MIN. @500 VDC
5. 耐压强度: CONTACT TO CONTACT:1000V DC OR AC PEAK.
CONTACT TO SCREEN AND TEST PANEL:1500V
DC OR AC PEAK @ 0.5mA 50 Hz或60 Hz 一分钟

技术要求

- 2.1 胶壳 & 插芯: PBT YELLOW 114C黄 UL94V-0 GF20%;
- 2.2 金针: 0.35X0.46磷青铜;
- 2.3 接触区镀金G/F, 镍底50u", 电镀雾锡100u";
- 2.4 信赖性: 750次 min.
- 2.5 插入力/拔出力:20N Max.
- 2.6 配合强度:50N FOR 60S±5S
- 2.7 插芯与塑壳分离力>50N FOR 60S±5S.

环境特性:

1. 储存温度: -40℃~+85℃ 相对湿度<80%.
2. 工作温度: -40℃~+85℃
3. 储存时间: 12个月.
4. 波峰焊温度: 265℃±5℃10S.

NOTES:

1. ELECTRICAL:

- 1.1 VOLTAGE RATING: 150 VAC RMS;
- 1.2 CURRENT RATING: 1.5 AMP @25℃;
- 1.3 CONTACT RESISTANCE: 20 MILLIOHMS Max;
- 1.4 INSULATION RESISTANCE: 1000 MEGOHMS Min @500 VDC;
- 1.5 DIELECTRIC STRENGTH: CONTACT TO CONTACT:1000V DC OR AC PEAK
CONTACT TO SCREEN AND TEST PANEL:1500V DC OR AC PEAK
@0.5mA 50Hz or 60 Hz a Minute;

2. MECHANICAL:

- 2.1 HOUSING & INSERT: PBT YELLOW 114C UL94V-0 GF20%;
- 2.2 TERMINALS: 0.35X0.46mm THICK PHOSPHOR BRONZE
- 2.3 PLATING: 1:CONTACT AREA G/F GOLD PLATING;
2:TAILS PLATING MATTE TIN 100u" MIN OVER NICKEL 50u" MIN.
- 2.4 DURABILITY: 750 cycles.
- 2.5 MATING/UNMATING FORCE:20N Max.
- 2.6 RETENTION STRENGTH: 50N FOR 60S±5S.
- 2.7 SEPARATING FORCE :>50N FOR 60S±5S

ENVIRONMENTAL:

1. STORAGE TEMPERATURE : -40℃~+85℃ RELATIVE HUMIDITY<80%
2. OPERATION TEMPERATURE : -40℃~+85℃
3. GUARANTEE PERIOD: 12 MONTHS.
4. WAVE SOLDERING TEMPERATURE :265℃±5℃ 10S.

MATES WITH MODULAR PLUG CONFORMING TO IEC-60603 & TIA-1096

RoHS Compliant

CZT® 温州意华接插件股份有限公司
WENZHOU YIHUA CONNECTOR CO., LTD

A4
SIZESCALE
比例UNIT
单位CUSTOMER:
客户MODEL NO:
料号

14240852

TOLERANCES
公差
00~15 ± 0.15
15~30 ± 0.20
30~ ± 0.25
ANGLES ±1°

Material:
材质
Finish:
电镀
SHEET 1 OF 2
第 页 共 页

SEE_NOTE
SEE_NOTE

Designed:
设计
Checked:
审核
Approved:
核准

陈智艳

NAME:
名称
DWG NO:
图号
PART NO:
料号

RJ45 5224-LED WITH LED 12.83 ASSEMBLY
E52140401
SEE_TABLE

REV.
版本
01

黄色灯

绿色灯

Absolute Maximum Ratings/极限参数 (Ta=25°C)

Item/项目	Max./最大值	Unit/单位
Power Dissipation/功耗	80	mW
Peak Forward Current/正向峰值电流 (Pulse Width ≤0.1msec, Duty Cycle ≤1/10) [脉冲宽度≤0.1msec, 占空比≤1/10]	100	mA
Forward Current/正向电流	30	mA
Reverse Voltage/反向电压	5	V
Operating Temperature Range/工作温度	-40°C to + 85°C	
Storage Temperature Range/储存温度	-40°C to + 85°C	
Lead Soldering Temperature/支架焊接温度 [2mm From Body]/距离胶体 2mm	260°C for 3 Seconds	
Lead Soldering Temperature/支架焊接温度 [5mm From Body]/距离胶体 5mm	260°C for 5 Seconds	

Electrical Optical Characteristics/产品光电特性 (Ta=25°C)

Parameter 参数	Symbol 符号	Min. 最小值	Typ. 典型值	Max. 最大值	Unit 单位	Test Condition 测试条件
Luminous Intensity 发光强度	Iv	2	10	25	mcd	If=20mA
Viewing Angle 发光角度	2θ1/2	140	160	180	Deg.	If=20mA
Peak Emission Wavelength 峰值波长	λp	578	585	593	nm	If=20mA
Dominant Wavelength 主波长	λd	582	588	592	nm	If=20mA
Spectral Line Half-Width 半波长宽度	Δλ	27	32	37	nm	If=20mA
Forward Voltage 正向电压	Vf	1.8	2.2	2.6	V	If=20mA
Reverse Current 反向电流	Ir	0	0	100	μA	Vr=5V

Absolute Maximum Ratings/极限参数 (Ta=25°C)

Item/项目	Max./最大值	Unit/单位
Power Dissipation/功耗	80	mW
Peak Forward Current/正向峰值电流 (Pulse Width ≤0.1msec, Duty Cycle ≤1/10) [脉冲宽度≤0.1msec, 占空比≤1/10]	100	mA
Forward Current/正向电流	30	mA
Reverse Voltage/反向电压	5	V
Operating Temperature Range/工作温度	-40°C to + 85°C	
Storage Temperature Range/储存温度	-40°C to + 85°C	
Lead Soldering Temperature/支架焊接温度 [2mm From Body]/距离胶体 2mm	260°C for 3 Seconds	
Lead Soldering Temperature/支架焊接温度 [5mm From Body]/距离胶体 5mm	260°C for 5 Seconds	

Electrical Optical Characteristics/产品光电特性 (Ta=25°C)

Parameter 参数	Symbol 符号	Min. 最小值	Typ. 典型值	Max. 最大值	Unit 单位	Test Condition 测试条件
Luminous Intensity 发光强度	Iv	4	12	25	mcd	If=20mA
Viewing Angle 发光角度	2θ1/2	140	160	180	Deg.	If=20mA
Peak Emission Wavelength 峰值波长	λp	560	568	575	nm	If=20mA
Dominant Wavelength 主波长	λd	565	570	575	nm	If=20mA
Spectral Line Half-Width 半波长宽度	Δλ	25	30	35	nm	If=20mA
Forward Voltage 正向电压	Vf	1.8	2.2	2.6	V	If=20mA
Reverse Current 反向电流	Ir	0	0	100	μA	Vr=5V

RoHS Compliant

CZT ® 温州意华接插件股份有限公司 WENZHOU YIHUA CONNECTOR CO., LTD				TOLERANCES 公差 00~15 ± 0.15 15~30 ± 0.20 30~ ± 0.25 ANGLES ±1°		Material: 材质 SEE_NOTE		Designed: 设计 陈智艳		NAME: 名称 RJ45 5224-LED WITH LED 12.83 ASSEMBLY		
第一视角		A4 SIZE	SCALE 比例 1:1	UNIT 单位 mm	CUSTOMER: 客户	Finish: 电镀 SEE_NOTE		Checked: 审核		DWG NO: 图号 E52140401		REV. 版本 01
				MODEL NO: 料号		SHEET 第 2 页 共 2 页		Approved: 核准		PART NO: 料号 见表格		