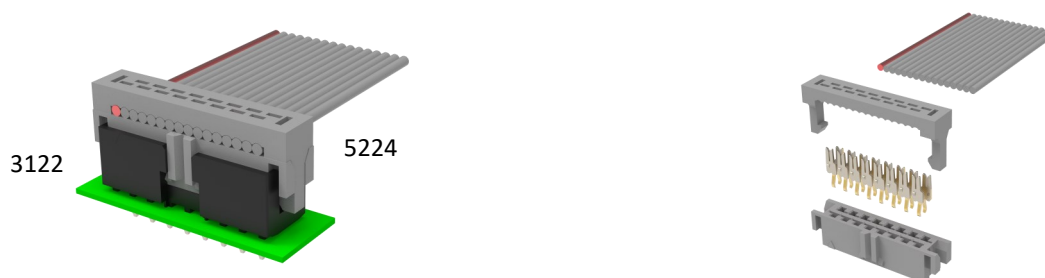


5224 Series (Mating with 3122 series) 5224系列 (互配系列: 3122)

2.00mm pitch/Wire-to-board/IDC Style 2.00mm间距/线到板连接器/刺破式



Overview

5224 is a double row pitch of 0.079 inches (2.00 mm) connectors, the product has a nerd-proof design, can be used in the process of effectively avoiding misplugging damage to the product, piercing type wiring can greatly reduce labor, assembly costs, is a highly efficient wire to board connection solution

Features and Benefits

- 6 to 64 circuit available
- IDC design, reduce labor, assembly costs
- Proof design to ensure proper fit
- Vibration and shock resistant

Product Applications

- Industrial: Servo drives, Industrial controls
- Medical: Medical equipment
- Photovoltaic/Energy Storage: Inverter systems
- 3C: Smart Furniture, Electronic Screens, Communications

Standard 标准

- IEC 60512, EIA-364

Material 材料

Part/零件	Material/材料	Finish/电镀	UL Flame retardant/阻燃等级
Housing/主体	PBT	Black/黑色	UL94V-0
Cover/中盖	PBT	Black/黑色	UL94V-0
Terminal/端子	phosphor bronze 磷铜 (C5210)	Nikel over all, Au on Contact area 镍底, 接触区镀金	-

概述

5224是一款是双排间距为0.079英寸（2.00毫米）的连接器，产品拥有防呆设计，能在使用过程中有效避免错插损坏产品，刺破式接线可大大减少人工、组装成本，是一种高效的线到板连接解决方案

产品特点

- 位数范围有6至64位
- 刺破式接线，节省人力、制程
- 凸台防呆设计，确保正确匹配
- 耐振动、抗冲击

应用领域

- 工业：伺服驱动、工业控制
- 医疗：医疗设备
- 光伏/储能：逆变器
- 3C：智能家具、电子屏幕、通讯

UL certification UL认证

- E248993

Model number allocation 型号命名

5224 - XX Y P XX B W 01
(1) (2) (3) (4) (5) (6) (7) (8)

(1) Series (系列): 2.00*2.00 mmIDC

(2) Circuit (位数): 06=6, 20=20P...64=64P

(3) Terminal type (端子形态): Y type

(4) Terminal material (端子材质): phosphor bronze

(5) Plating (电镀): S0=Gold Flash/Ni、S3=10u"Au/Ni、S4=15u"Au/Ni、S5=30u"Au/Ni

(6) Color (颜色): B=Black

(7) Housing Bump (塑胶凸台): W:with bump

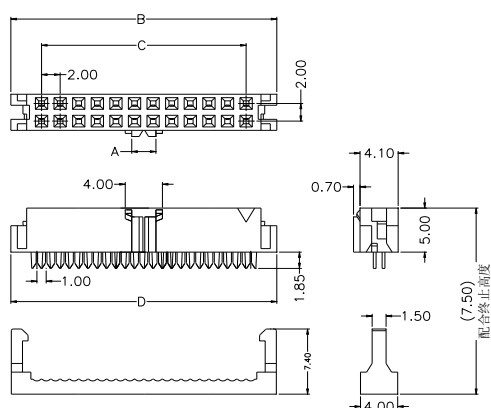
(8) Internal code (流水码)

Production Specifications 产品规格

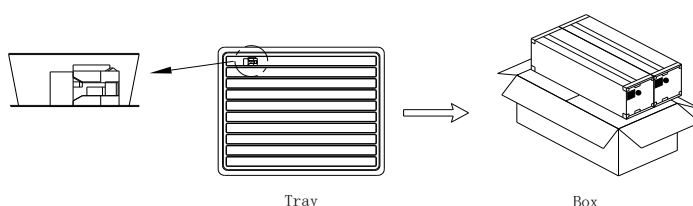
Current rating 额定电流	2.0 A	Operating Temperature Range:-40° C~+105° (including temperature rise) Operating Humidity Range:20-80% 工作温度范围: -40° C~+105° C(含温升) 工作湿度范围: ≤80%	Storage Teroerature: Operating Humidity: 储存温度: 25±5° C 储存湿度: ≤60%
Voltage rating 额定电压	250V		

Item 项目	Condition 条件	Specification 规格
Insulation Resistance 绝缘电阻	Measured at 500V DC for 1 minute 测试电压: 500V DC/1分钟	No less than 1,000M Ω 不少于1000MΩ
Withstanding voltage 耐电压	Measured at 500V AC for 1 minute 测试电压: 500V AC/1分钟	No breakdown, no discharge, leakage current <0.5mA 无击穿、无放电、漏电流<0.5mA
Contact Resistance 接触电阻	Measured at 1mA and no higher than 20mV 用20 mV DC进行测量	Contact resistance: Initial value/ 20 mo max After environmental tests/ 40 mo max. 接触电阻: 初始值 20 mΩ 以下
Vibration Resistance 抗振动	Frequency : 50 ~ 2000 Hz PSD value : 5.35 Gms minimum Duration : 15 minutes/axis Times : Each of three mutually perpendicular planes. 频率: 50 ~ 2000 Hz 测试加速度: 100gn 时长: 15分钟/轴 次数: 3次	No electrical discontinuity of 1μsorgreater 试验过程中未发生1μs瞬断现象, 且外观无损伤, 电气性能正常
Humidity (Steady state) 湿度	Temperature : 25~65°C Humidity: 90 ~95% (R.H) Duration : 96 hours 温度: 25~65° C 湿度: 90 ~95% (R.H) 时间: 96小时	Contact resistance: Initial value/ 20 mo max After environmental tests/ 40 mo max. 接触电阻: 初始值 20 mΩ 以下 测试后 30 mΩ 以下
Salt Spray 盐雾	Temperature:35#2°C Humidity:95~98%(R.H) PHValue : 6.5 ~ 7.2 Duration : 24hours(Gold area) 温度: 35±2° C 湿度: 95~98%(R.H) PH值: 6.5~7.2	Contact resistance: Initial value/ 20 mo max After environmental tests/ 40 mo max. 接触电阻: 初始值 20 mΩ 以下 测试后 30 mΩ 以下
Durability(Mating/un-mating) 插拔寿命	300 cycles 循环300次	Contact resistance: Initial value/ 20 mo max After environmental tests/ 40 mo max. 接触电阻: 初始值 20 mΩ 以下 测试后 30 mΩ 以下

Dimensions 尺寸



Package 包装



5224 Series

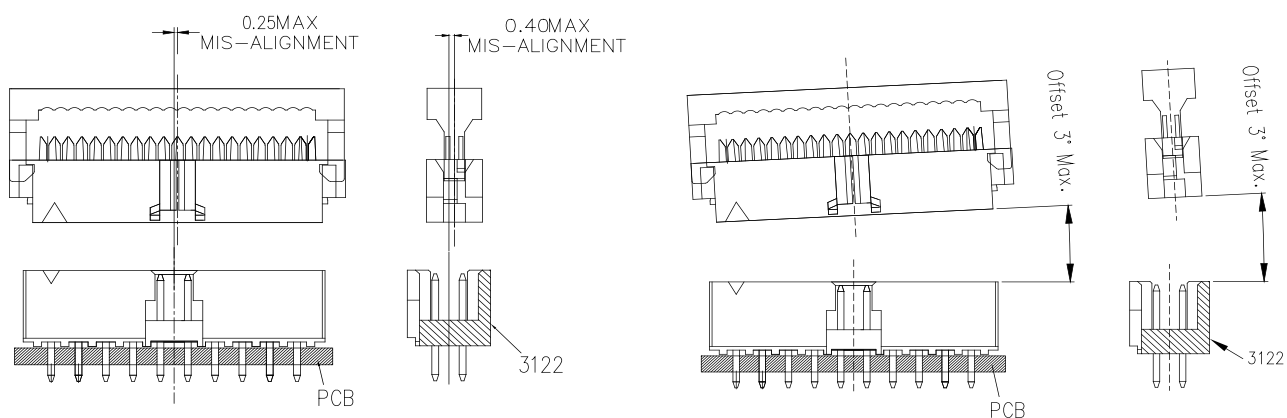
Ordering Information 订购信息

Circuit 芯数	Part number 型号	Dimensions 尺寸 (mm)			Parkage 包装		Remake 可量产状态
		A	B	C	Q'ty/Tray 只/盒装	Q'ty/Box 只/外箱	
6	5224-06YPXXBW01	2.00	10.60	4.00	250	6,250	*
8	5224-08YPXXBW01	2.60	12.60	6.00	210	5,250	*
10	5224-10YPXXBW01	2.60	14.60	8.00	180	4,500	*
12	5224-12YPXXBW01	2.60	16.60	10.00	160	4,000	*
14	5224-14YPXXBW01	2.60	18.60	12.00	140	3,500	*
16	5224-16YPXXBW01	2.60	20.60	14.00	130	3,250	*
18	5224-18YPXXBW01	2.60	22.60	16.00	120	3,000	*
20	5224-20YPXXBW01	2.60	24.60	18.00	100	2,500	*
22	5224-22YPXXBW01	2.60	26.60	20.00	100	2,500	*
24	5224-24YPXXBW01	2.60	28.60	22.00	90	2,250	*
26	5224-26YPXXBW01	2.60	30.60	24.00	80	2,000	*
28	5224-28YPXXBW01	2.60	32.60	26.00	80	2,000	*
30	5224-30YPXXBW01	2.60	34.60	28.00	70	1,750	*
34	5224-34YPXXBW01	2.60	38.60	32.00	60	1,500	*
40	5224-40YPXXBW01	2.60	44.60	38.00	60	1,500	*
44	5224-44YPXXBW01	2.60	48.60	42.00	50	1,250	*
50	5224-50YPXXBW01	2.60	54.60	48.00	50	1,250	*
60	5224-60YPXXBW01	2.60	64.60	58.00	40	1,000	*
64	5224-64YPXXBW01	2.60	68.60	62.00	30	750	*

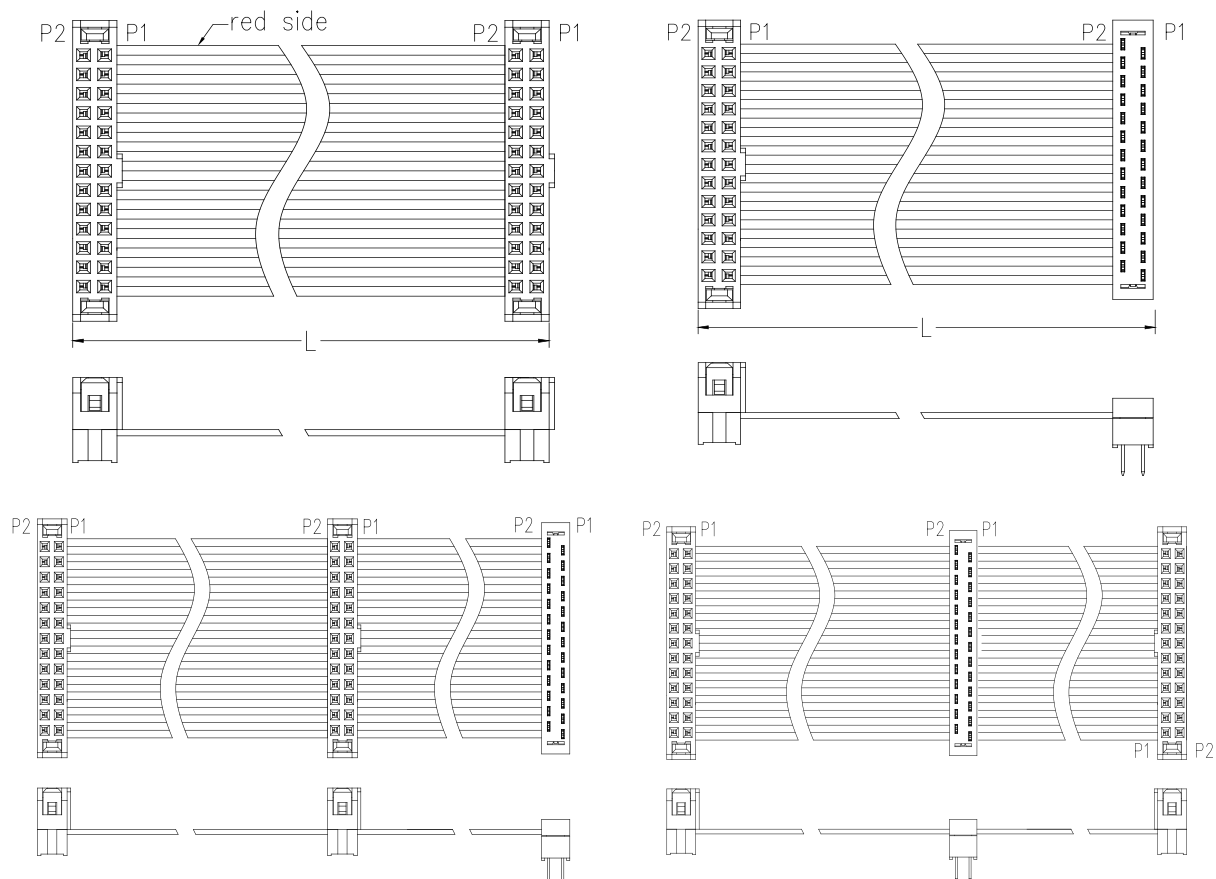
Note: * stands for mass production . 注: *代表可量产

Precautions for use 使用注意事项

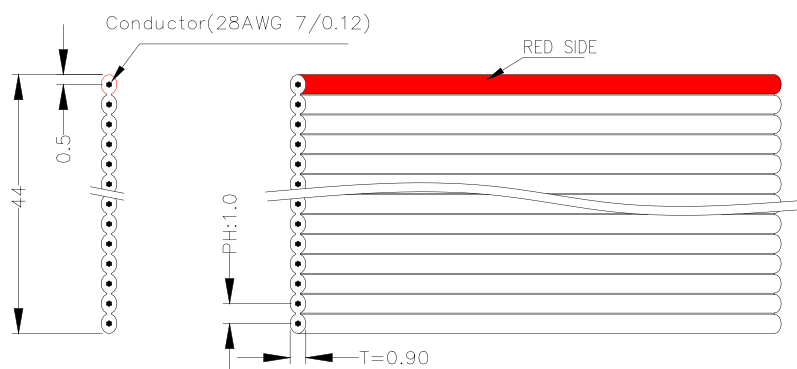
Mating With 3122 与3122配合要求



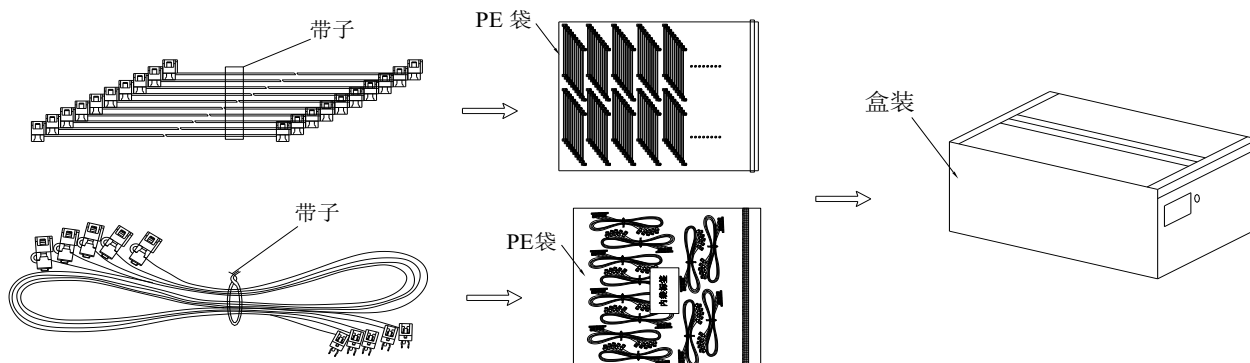
Cable Assembly 线缆组件



Technical data flat ribbon cables 线材规格

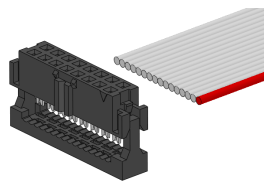
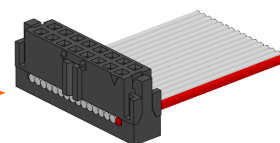
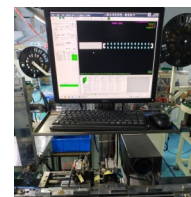


Cable Harness Packaging 线束包装



5224 Series

Installation Instructions 安装说明

hand assembly
手工组装Placement of wires
摆放线材Riveted housing
铆压Automated machine assembly
自动机组装Product Assembly
产品组装CCD Detection
CCD检测

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