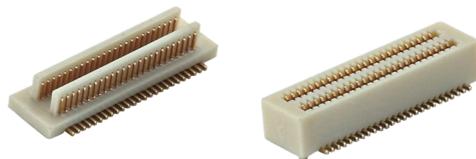


0.50mm (0.020")pitch,Connectors for industrial applications
0.50毫米（0.020英寸）间距，适用于工业应用的连接器

Overview

0.50mm pitch 3620 series offers board-to-board connectors featuring various circuit dimensions and stacking heights, catering to product miniaturisation and design flexibility.



概述

0.50mm间距3620系列产品是一款具有各种电路尺寸和堆叠高度，满足产品小型化，设计灵活的板到板连接器。

Features and Benefits

- Extensive stacking heights to meet customer requirements
- Anti-misinsertion structure design
- Guided design delivers exceptional interlocking capability
- The unique terminal contact design enhances connection performance.

特点与优势

- 广泛的堆叠高度、满足客户需求
- 防误插结构设计
- 导向设计带来优越嵌合性
- 独特的端子接触设计提高嵌合性能

Product Applications

- Industrial: Automation equipment, PLCs, control panels, drones
- Medical: Blood glucose monitors, telemedicine

应用领域

- 工业：自动化设备、PLC、控制面板、无人机
- 医疗：血糖检测仪、远程医疗

Standard 标准

- EIA 364
- IEC 60512

UL certification UL认证

- E248993

Material 材料

Part/零件	Material/材料	Finish/电镀	UL Flame retardant/阻燃等级
Housing/主体	PA9T	Beige/米色	UL94V-0
Terminal/端子	Phosphor copper 磷铜	Plated Gold 镀金	-

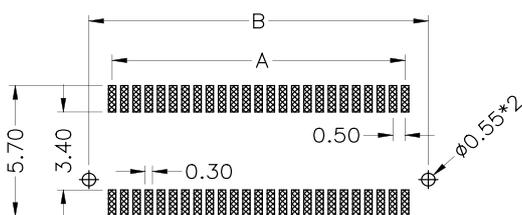
Production Specifications 产品规格

Current rating 额定电流	0.5 A	Operating Temperature Range:-40° C~+105° (including temperature rise) Operating Humidity Range:20-80%	Storage Teroerature:25±5° C Humidity:≤60%
Voltage rating 额定电压	50V	工作温度范围: -40° C~+105° C(含温升) 工作湿度范围: 20-80%	储存温度: 25±5° C 储存湿度: ≤60%

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 100M Ω 不少于100MΩ
Withstanding voltage 耐电压	Measured at 50V AC for 1 minute 测试电压: 50V 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	Test Voltage 测试电压: 20mV Max Test current 测试电流: 100mA Max	Contact resistance: Initial value/ 50 mo max After environmental tests/ 70 mo max. 接触电阻: 初始值 50 mΩ 以下 测试后 70 mΩ 以下
Vibration Resistance 抗振动	Frequency : 50 ~ 2000 Hz PSD value : 5.35 Grms minimum Duration: 15minutes /axis Vibration: X/Y/Z 频率: 50 ~ 2000 Hz PSD值: 5.35 G 时长: 15分钟/轴 方向: X/Y/Z	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
Temperature life 高温老化	Temperature 温度: 105±2°C Duration 时间: 96H	Contact resistance: Initial value/ 50 mo max After environmental tests/ 70 mo max. 接触电阻: 初始值 50 mΩ 以下 测试后 70 mΩ 以下
Salt Spray 盐雾	Temperature 温度: 35±2°C Humuduty湿度: 95~98% (R.H) pH Value 酸碱值: 6.5~7.2 Duration 时间: 24H	Contact resistance: Initial value/ 50 mo max After environmental tests/ 70 mo max. 接触电阻: 初始值 50 mΩ 以下 测试后 70 mΩ 以下
Durability(Mating/un- mating) 插拔寿命	30 cycles 循环30次	Contact resistance: Initial value/ 50 mo max After environmental tests/ 70 mo max. 接触电阻: 初始值 50 mΩ 以下 测试后 70 mΩ 以下

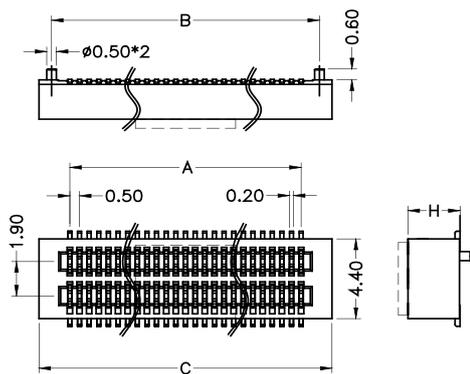
PCB Layout 印刷电路板布局

Surface Mount Technology 表面贴装



3620 Series

Dimensions 尺寸

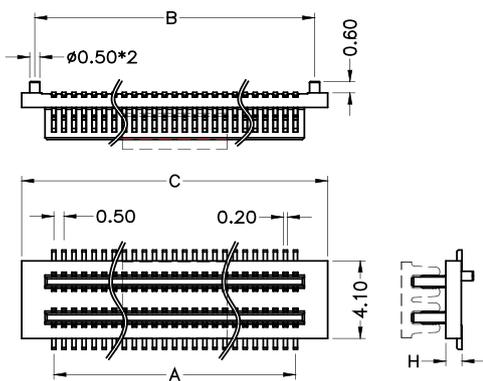


Order Information 订购信息

Circuit 芯数	Part number 型号	Dimensions 尺寸 (mm)				Remake 可量产状态
		A	B	C	H	
10	3620-S010-OXXXXROX	2.00	3.90	5.20	H=2.20 H=2.70 H=3.00 H=4.00 H=4.50	*
20	3620-S020-OXXXXROX	4.50	6.40	7.70		*
30	3620-S030-OXXXXROX	7.00	8.90	10.20		*
40	3620-S040-OXXXXROX	9.50	11.40	12.70		*
50	3620-S050-OXXXXROX	12.00	13.90	15.20		*
60	3620-S060-OXXXXROX	14.50	16.40	17.70		*
70	3620-S070-OXXXXROX	17.00	18.90	20.20		*
80	3620-S080-OXXXXROX	19.50	21.40	22.70		*
90	3620-S090-OXXXXROX	22.00	23.90	25.20		*
100	3620-S100-OXXXXROX	24.50	26.40	27.70		*

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

Dimensions 尺寸



Order Information 订购信息

Circuit 芯数	Part number 型号	Dimensions 尺寸 (mm)				Remake 可量产状态
		A	B	C	H	
10	3620-P010-OXXXXROX	2.00	3.90	5.20	H=0.80 H=1.00 H=1.50 H=2.00	*
20	3620-P020-OXXXXROX	4.50	6.40	7.70		*
30	3620-P030-OXXXXROX	7.00	8.90	10.20		*
40	3620-P040-OXXXXROX	9.50	11.40	12.70		*
50	3620-P050-OXXXXROX	12.00	13.90	15.20		*
60	3620-P060-OXXXXROX	14.50	16.40	17.70		*
70	3620-P070-OXXXXROX	17.00	18.90	20.20		*
80	3620-P080-OXXXXROX	19.50	21.40	22.70		*
90	3620-P090-OXXXXROX	22.00	23.90	25.20		*
100	3620-P100-OXXXXROX	24.50	26.40	27.70		*

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

3620 Series

Model Numbering 型号命名

3620	-	P	XXX	-	XXX	XX	X	XX
(1)		(2)	(3)		(4)	(5)	(6)	(7)
(1) Series (系列): 0.50mm Board to Board Series					(5) Contact Plating(电镀): G1=3U"Gold G2=5U"Gold			
(2) Product type (产品类型): P=Plug					(6) Packing(包装): R=Tape&Reel++CAP			
(3) Positions(位数): 010=10.....100=100P					(7) Running Number(流水码) 01=With Post 02=Without Post			
(4) Housing Hingh (塑胶高度): 008= 0.80、010=1.00、015=1.50、020=2.00								

3620	-	S	XXX	-	XXX	XX	X	XX
(1)		(2)	(3)		(4)	(5)	(6)	(7)
(1) Series (系列): 0.50mm Board to Board Series					(5) Contact Plating(电镀): G1=3U"Gold G2=5U"Gold			
(2) Product type (产品类型): S=Socket					(6) Packing(包装): R=Tape&Reel++CAP			
(3) Positions(位数): 010=10.....100=100P					(7) Running Number(流水码) 01=With Post 02=Without Post			
(4) Housing Hingh (塑胶高度): 022= 2.20、030=3.00、027=2.70、040=4.00、045=4.50								

Contact Us 联系我们

维峰电子(广东)股份有限公司(总部)
WCON ELECTRONICS (GUANGDONG) CO.,LTD(HQ)
地址:广东省东莞市虎门镇大宁文明路15号
Add :No.15,Wenming Road,Danng Community, Humen Town, Dongguan, Guangdong.523930, China

昆山维康电子有限公司
KUNSHAN WCON ELECTRONICS CO.,LTD(East of China)
地址:昆山市千灯镇汶浦中路169号
Add : No.169, WenPu Middle Road, QianDeng Town, Kunshan City, Jiangsu Province, China

合肥维峰电子有限公司
HEFEI WCON ELECTRONICS CO.,LTD
地址:安徽合肥市高新技术开发区绿城科技园E栋2楼
Add : 2F, Building E, Greentown Science Park,High-tech Development Zone, Hefei, Anhui,China

维康电子(泰国)有限公司
WCON ELECTRONICS (Thailand) CO.,LTD
地址:泰国巴真武里府西玛铺县华瓦区洛加纳工业园
Add: VG3C+H57, Hua Wa, Si Maha Phot District, Prachin Buri 25140, Thailand

销售联系方式 Contacts Information

国际客户部 International sales department
salesdg01@wcon.com
salesdg05@wcon.com

大客户专线 Major customer dedicated department

华南: salesdg28@wcon.com
华东: salesks@wcon.com

中小客户专线 Public Customer hot line

华南: salesdg10@wcon.com
华东: salesks01@wcon.com

网络销售 Online sales department

salesdg26@wcon.com



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