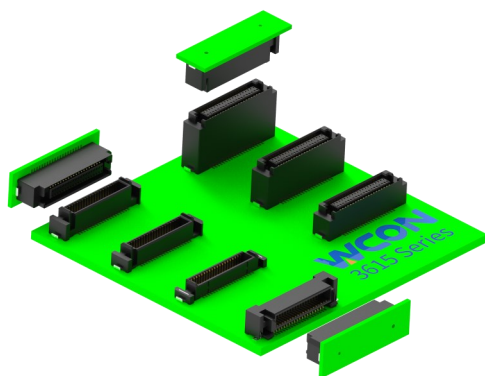


3615 Series

0.80mm pitch board-to-board connector



Features and Benefits

- Anti-misplug structure
- Extensive compatibility heights to meet customer requirements
- Positioning pillar design ensures precise alignment on circuit boards
- Retaining clip design enhances stability on circuit boards

Product Applications

Industrial: Automation equipment, industrial computers

Medical: Portable blood glucose monitors, telemedicine

Standard 标准

- EIA 364

Material 材料

Part/零件	Material/材料	Finish/电镀	UL Flame retardant/阻燃等级
Header Plug/板端公座	LCP	Black/黑色	UL94V-0
Header Socket/板端母座	LCP	Black/黑色	UL94V-0
Terminal/端子	Copper Alloy/铜合金	Gold-plated/镀金 Tin-plated/镀锡	-

3615 系列

0.80mm间距 板到板连接器

Overview

The 3615 Series is a compact, high-density, high-performance connector with 0.80mm pitch, providing stable signal transmission for equipment. It features alignment pins and anti-misinsertion notches, while offering board-to-board connector products in multiple combination heights.

概述

3615系列是一款0.80mm间距小体积、高密度、高性能，为设备提供稳定的信号传输，带有导向柱以及防呆缺口，同时能提供多种组合高度的板到板连接器产品。

产品特点

- 防误插结构
- 广泛的配合高度、满足客户需求
- 定位柱设计，确保在电路板上的精准定位
- 固定片设计，增强在电路板上的稳定性

应用领域

- 工业：自动化设备、工业电脑
- 医疗：监测仪、远程医疗

UL certification UL认证

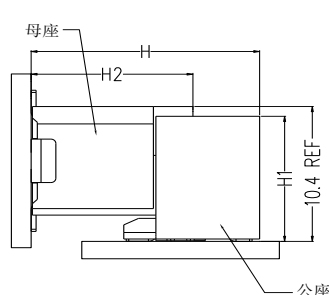
- E248993

Production Specifications 产品规格

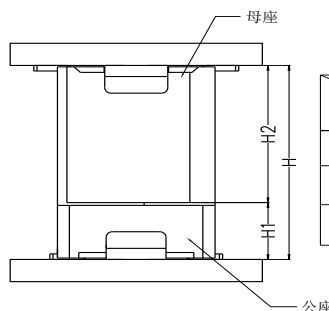
Current rating 额定电流	0.50 A	Operating temperature Range:-40° C~+105° C (including temperature rise) Operating Humidity Range:20-80% 工作温度范围: -40° C~+105° C(含温升) 工作湿度范围: 20-80%	Storage temperature: Humidity: 储存温度: 25±5° C 储存湿度: ≤60%
Voltage rating 额定电压	200V/AC		

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 100MΩ 不少于100MΩ
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 100mA and no higher than 20mV DC 在100mA下测量, 用20 mV DC进行测量	Contact resistance: Initial value/ 70 mΩ max After environmental tests/ 90 mΩ max. 接触电阻: 初始值 70 mΩ 以下 测试后 90 mΩ 以下
Vibration Resistance 抗振动	Frequency : 50 ~ 2000 Hz PSD value : 5.35Gms minimum Duration : 15 minutes/axis Times : Each of three mutually perpendicular planes. 频率: 50~2000Hz PSD 值: 5.35Gms minimum 时长: 15分钟/轴 次数: 三个相互垂直的平面中的每一个	No electrical discontinuity of 1μs or greater 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°C Duration时间: 96H	Contact resistance: Initial value/ 70 mΩ max After environmental tests/ 90 mΩ max. 接触电阻: 初始值 70 mΩ 以下 测试后 90 mΩ 以下
Salt Spray 盐雾	Temperature: 35±2°C Solution concentration : 5%NaCl PH Value : 6.5 ~ 7.2 Duration : 24 hours 温度: 35±2° C 溶液浓度: 5%NaCl PH值: 6.5~7.2 时间: 24小时	Contact resistance: Initial value/ 70 mΩ max After environmental tests/ 90 mΩ max. No evidence of damage. 接触电阻: 初始值 70 mΩ 以下 测试后 90 mΩ 以下
Durability(Mating/un-mating) 插拔寿命	100 cycles 循环100次	Contact resistance: Initial value/ 70 mΩ max After environmental tests/ 90 mΩ max. 接触电阻: 初始值 70 mΩ 以下 测试后 90 mΩ 以下

Mating Height Chart 配合高度一览



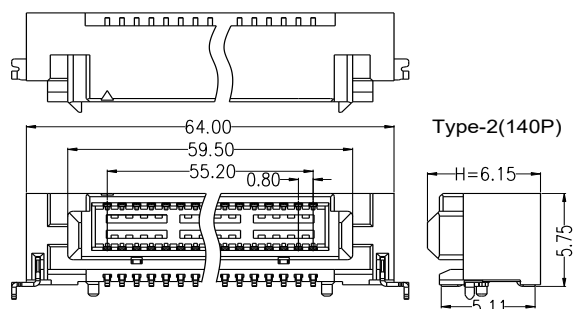
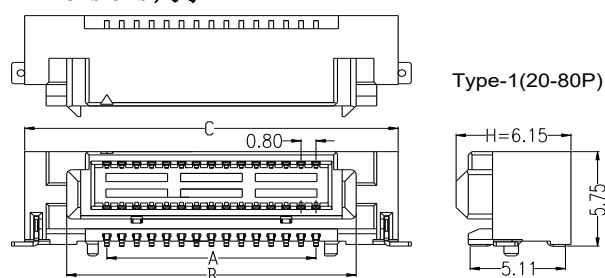
配合高度H	母座高度H2	公座高度H1
9.25	6.55	5.75
12.25	9.55	
15.25	12.55	



公座高度H1 母座高度H2	3.75	4.75	5.75	7.75
6.55	7.00	8.00	9.00	11.00
9.55	10.00	11.00	12.00	14.00
12.55	13.00	14.00	15.00	17.00

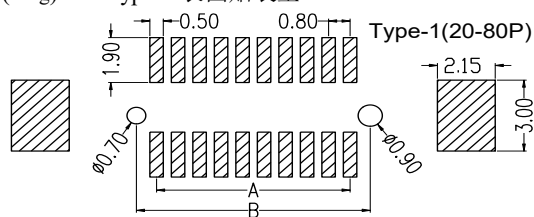
3615 Series

Dimensions 尺寸

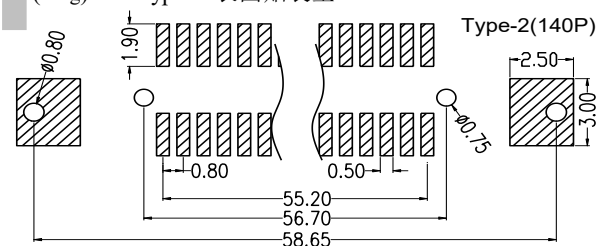


PCB Layout 印刷电路板布局

(Plug)SMT type-1 表面贴装型



(Plug)SMT type-2 表面贴装型

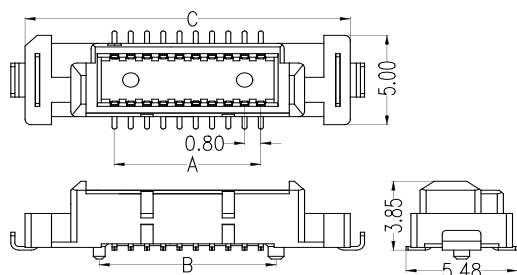


Order Information 订购信息

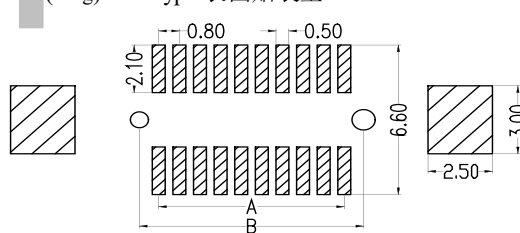
Circuit 芯数	Part number 型号	Plating 电镀	Dimensions 尺寸 (mm)			Parkage 包装 Q'ty/Reel 只/卷装	Remake 可量产 状态
			A	B	C		
20	3615-P020-057ZGXR01	GX: G1=3u"Gold G2=5u"Gold G3=10u"Gold	7.20	11.50	16.00	800	
30	3615-P030-057ZGXR01		11.20	15.50	20.00	800	
40	3615-P040-057ZGXR01		15.20	19.50	24.00	800	*
50	3615-P050-057ZGXR01		19.20	23.50	28.00	800	
60	3615-P060-057ZGXR01		23.20	27.50	32.00	800	
70	3615-P070-057ZGXR01		27.20	31.50	36.00	800	
80	3615-P080-057ZGXR01		31.20	35.50	40.00	800	*
140	3615-P140-057ZGXR02		/	/	/	800	*

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

Dimensions 尺寸



(Plug)SMT type 表面贴装型

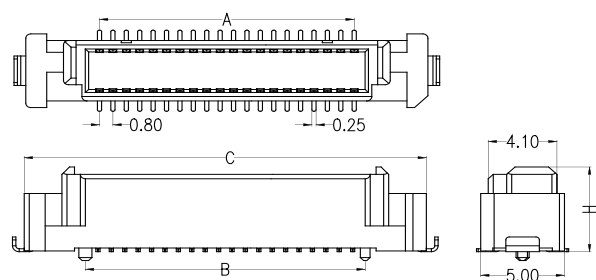


Order Information 订购信息

Circuit 芯数	Part number 型号	Plating 电镀	Dimensions 尺寸 (mm)			Parkage 包装 Q'ty/Reel 只/卷装	Remake 可量产 状态
			A	B	C		
20	3615-P020-037GXR01	GX: G1=3u"Gold G2=5u"Gold G3=10u"Gold	7.20	8.70	16.00	1000	*
30	3615-P030-037GXR01		11.20	12.70	20.00	1000	
40	3615-P040-037GXR01		15.20	16.70	24.00	1000	*
50	3615-P050-037GXR01		19.20	20.70	28.00	1000	
60	3615-P060-037GXR01		23.20	24.70	32.00	1000	
70	3615-P070-037GXR01		27.20	28.70	36.00	1000	
80	3615-P080-037GXR01		31.20	32.70	40.00	1000	

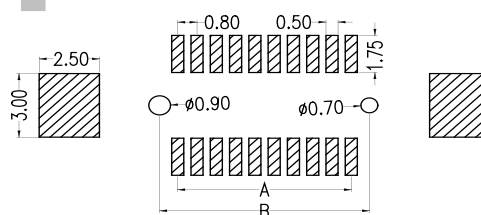
Note: * stands for mass production . 注: *代表可量产

Dimensions 尺寸



PCB Layout 印刷电路板布局

(Plug)SMT type 表面贴装型



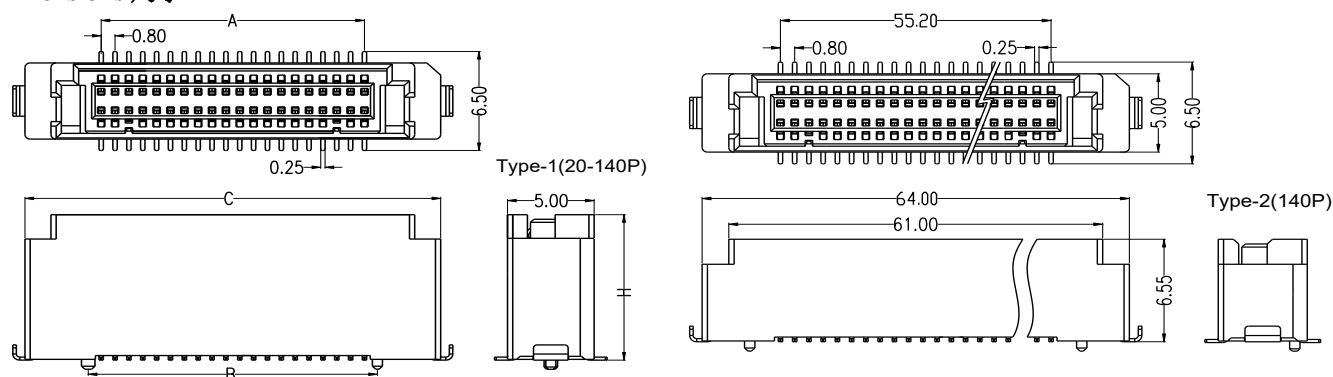
Order Information 订购信息

Circuit 芯数	Product height 产品高度 (mm)	Part number 型号	Plating 电镀	Dimensions 尺寸 (mm)			Package 包装 Qty/Reel 只/卷装	Remake 可量产状态
				A	B	C		
20	H=4.75	3615-P020-047XXR01	XX: G1=3u"Gold G2=5u"Gold S1=3u"Gold/Tin S2=5u"Gold/Tin	7.20	8.70	16.00	850	*
	H=5.75	3615-P020-057XXR01					700	*
	H=7.75	3615-P020-077XXR01					400	*
30	H=4.75	3615-P030-047XXR01		11.20	12.70	20.00	850	*
	H=5.75	3615-P030-057XXR01					700	
	H=7.75	3615-P030-077XXR01					400	*
40	H=4.75	3615-P040-047XXR01		15.20	16.70	24.00	850	
	H=5.75	3615-P040-057XXR01					700	
	H=7.75	3615-P040-077XXR01					400	*
50	H=4.75	3615-P050-047XXR01		19.20	20.70	28.00	850	*
	H=5.75	3615-P050-057XXR01					700	
	H=7.75	3615-P050-077XXR01					400	*
60	H=4.75	3615-P060-047XXR01		23.20	24.70	32.00	850	
	H=5.75	3615-P060-057XXR01					700	*
	H=7.75	3615-P060-077XXR01					400	*
70	H=4.75	3615-P070-047XXR01		27.20	28.70	36.00	850	
	H=5.75	3615-P070-057XXR01					700	
	H=7.75	3615-P070-077XXR01					400	
80	H=4.75	3615-P080-047XXR01		31.20	32.70	40.00	850	*
	H=5.75	3615-P080-057XXR01					700	*
	H=7.75	3615-P080-077XXR01					400	*
100	H=4.75	3615-P100-047XXR01		39.20	40.70	48.00	850	*
	H=5.75	3615-P100-057XXR01					700	*
	H=7.75	3615-P100-077XXR01					400	
120	H=4.75	3615-P120-047XXR01		47.20	48.70	56.00	850	
	H=5.75	3615-P120-057XXR01					700	
	H=7.75	3615-P120-077XXR01					400	*
140	H=4.75	3615-P140-047XXR01		55.20	56.70	64.00	850	*
	H=5.75	3615-P140-057XXR01					700	
	H=7.75	3615-P140-077XXR01					400	

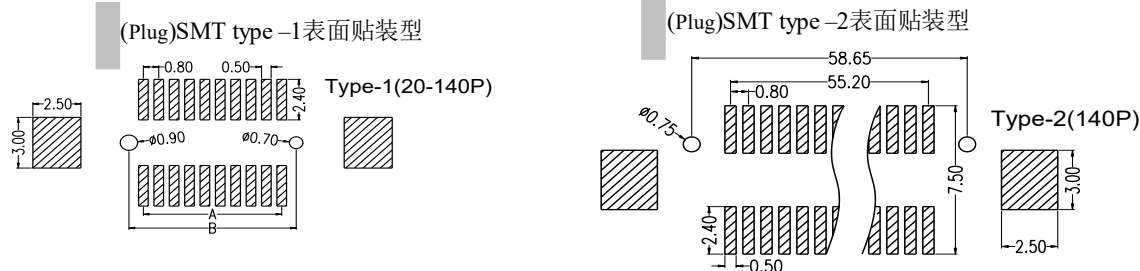
Note: * stands for mass production . 注: *代表可量产

3615 Series

Dimensions 尺寸



PCB Layout 印刷电路板布局



Order Information 订购信息

Circuit 芯数	Product height 产品高度 (mm)	Part number 型号	Plating 电镀	Dimensions 尺寸 (mm)			Package 包装 Q'ty/Reel 只/卷装	Remake 可量产状态
				A	B	C		
20	H=6.55	3615-S020-065XXR01	XX: G1=3u"Gold G2=5u"Gold S1=3u"Gold/Tin S2=5u"Gold/Tin	7.20	8.70	16.00	450	*
	H=9.55	3615-S020-095XXR01					350	*
	H=12.55	3615-S020-125XXR01					250	*
30	H=6.55	3615-S030-065XXR01		11.20	12.70	20.00	450	*
	H=9.55	3615-S030-095XXR01					350	*
	H=12.55	3615-S030-125XXR01					250	*
40	H=6.55	3615-S040-065XXR01		15.20	16.70	24.00	450	*
	H=9.55	3615-S040-095XXR01					350	*
	H=12.55	3615-S040-125XXR01					250	*
50	H=6.55	3615-S050-065XXR01		19.20	20.70	28.00	450	*
	H=9.55	3615-S050-095XXR01					350	*
	H=12.55	3615-S050-125XXR01					250	*
60	H=6.55	3615-S060-065XXR01		23.20	24.70	32.00	450	*
	H=9.55	3615-S060-095XXR01					350	*
	H=12.55	3615-S060-125XXR01					250	*
70	H=6.55	3615-S070-065XXR01		27.20	28.70	36.00	450	
	H=9.55	3615-S070-095XXR01					350	
	H=12.55	3615-S070-125XXR01					250	
80	H=6.55	3615-S080-065XXR01		31.20	32.70	40.00	450	*
	H=9.55	3615-S080-095XXR01					350	
	H=12.55	3615-S080-125XXR01					250	*
100	H=6.55	3615-S100-065XXR01		39.20	40.70	48.00	450	*
	H=9.55	3615-S100-095XXR01					350	
	H=12.55	3615-S100-125XXR01					250	
120	H=6.55	3615-S120-065XXR01		47.20	48.70	56.00	450	
	H=9.55	3615-S120-095XXR01					350	
	H=12.55	3615-S120-125XXR01					250	*
140	H=6.55	3615-S140-065XXR01		55.20	56.70	64.00	450	*
	H=9.55	3615-S140-095XXR01					350	
	H=12.55	3615-S140-125XXR01					250	
	H=12.55	3615-S140-125XXR02		/	/	/	250	*

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

3615 - P XXX - XXX (Z) XX R 0X
 (1) (2) (3) (4) (5) (6) (7) (8)

(1) Series (系列): 0.80mm Board to Board Series

(5) Terminal type (端子形态): Z=R/A SMT、Blank=S/T SMT

(2) Product type (产品类型): P=Plug

(6) Contact Plating (电镀): G1=3U"Gold、G2=5U"Gold、
S1=3u"Gold/Tin、S2=5u"Gold/Tin

(3) Positions (位数): 020=20.....140=140P

(7) Packing (包装): R=Reel

(4) Housing Height (塑胶高度): 037=3.75、047=4.75、
057=5.75、077=7.75

(8) Running Number (流水码): 01=Type-1、02=Type-2

3615 - S XXX - XXX XX R 0X
 (1) (2) (3) (4) (5) (6) (7)

(1) Series (系列): 0.80mm Board to Board Series

(5) Contact Plating (电镀): G1=3U"Gold、G2=5U"Gold、
S1=3u"Gold/Tin、S2=5u"Gold/Tin

(2) Product type (产品类型): S=Socket

(6) Packing (包装): R=Reel

(3) Positions (位数): 020=20.....140=140P

(7) Running Number (流水码): 01=Type-1、02=Type-2

(4) Housing Height (塑胶高度): 065=6.55、095=9.55、
125=12.55

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,Danling 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:江苏昆山千灯镇汶浦中路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 Develop-
 ment 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



Official Website



Product e-catalog



WeChat Public#



TikTok Public#