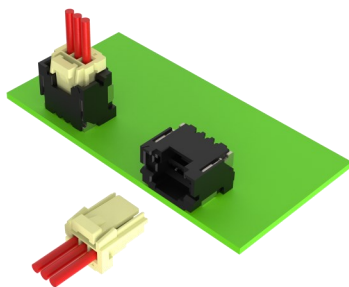


WF1505 Series WF1505系列

1.50mm pitch/Wire-to-board Connector 1.50mm间距/线到板连接器



Overview

WF1505 series is a crimp-type connector featuring a misinsertion-proof design, offering low insertion force and a positive tactile feedback to ensure a stable connection upon mating.

Features and Benefits

- Reliable two points of contact
- Friction lock provides good mating retention
- Box-style contact to protect contact area
- Available in vertical and right angles for design flexibility

Product Applications

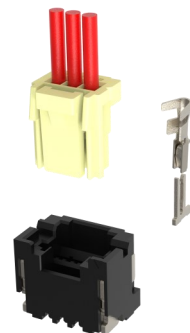
- Industrial : Automated equipment, instrumentation
- Household appliances: Air conditioning, washing machine, refrigerator

Standard 标准

- 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	White/白色	UL94V-0
Header/板端	PA9T	Natural/本色	UL94V-0
Terminal/端子	Copper alloys 铜合金	Tin plated 镀锡	-



概述

WF1505系列产品是一款压接型、带有防错插结构设计的连接器，有低插入力和良好的插入触感，确保配合时稳定连接。

产品特点

- 可靠的两点接触
- 摩擦锁提供良好的配合保持力
- 盒式触点可保护接触区域
- 提供垂直和直角，设计灵活

应用领域

- 工业：自动化设备、仪器设备
- 家电：空调、洗衣机、冰箱

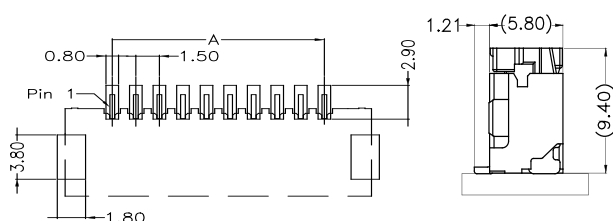
Production Specifications 产品规格

Current rating 额定电流	2.0 A	Operating Temperature Range: -40° C~+105° (including temperature rise) Operating Humidity Range: 20~80%	Storage Temperature: Operating Humidity:
Voltage rating 额定电压	100V	工作温度范围: -40° C~+105° C(含温升) 工作湿度范围: ≤80%	储存温度: 25±5° C 储存湿度: ≤60%

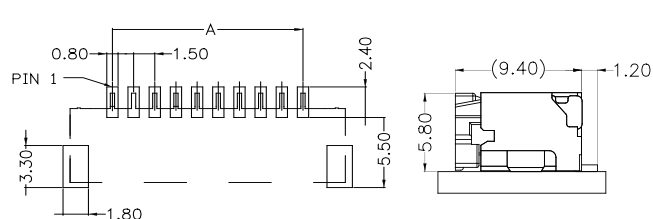
Item 项目	Condition 条件	Specification 规格
Insulation Resistance 绝缘电阻	Measured at 500V DC for 1 minute 测试电压: 500V DC/1分钟	No less than 500M Ω 不少于500MΩ
Withstanding voltage 耐电压	Measured at 500V AC for 1 minute 测试电压: 500V AC/1分钟	No breakdown, no discharge, leakage current <0.5mA 无击穿、无放电、漏电流<0.5mA
Contact Resistance 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 mΩ max After environmental tests/ 40 mΩ max. 接触电阻: 初始值 20 mΩ 以下 测试后 40 mΩ 以下
Vibration Resistance 抗振动	Test condition: sinusoidal 测试条件: 正弦 Frequency: 10-55-10 Hz 频率: 10-55-10 Hz Amplitude: 1.52mm Max. 振幅: 1.52mm Max Duration: 2Hours/axis 持续时间: 2H/轴	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
Humidity (Steady state) 湿度	Temperature : 40±2°C Humidity: 90~95% (R.H) Duration : 96 hours 温度: 40±2° C 湿度: 90~95% (R.H) 时间: 96小时	Contact resistance: Initial value/ 20 mΩ max After environmental tests/ 40 mΩ max. 接触电阻: 初始值 20 mΩ 以下 测试后 40 mΩ 以下
Salt Spray 盐雾	Temperature: 35±2°C Humidity: 95~98% (R.H) PH Value : 6.5~7.2 Duration : 48 hours 温度: 35±2° C 湿度: 95~98% (R.H) PH值: 6.5~7.2 时间: 48小时	Contact resistance: Initial value/ 20 mΩ max After environmental tests/ 40 mΩ max. 接触电阻: 初始值 20 mΩ 以下 测试后 40 mΩ 以下
Durability (Mating/un-mating) 插拔寿命	30 cycles 循环30次	Contact resistance: Initial value/ 20 mΩ max After environmental tests/ 40 mΩ max. 接触电阻: 初始值 20 mΩ 以下 测试后 40 mΩ 以下

PCB Layout 印刷电路板布局

垂直表面贴装 (Vertical SMT)



水平表面贴装 (Horizontal SMT)



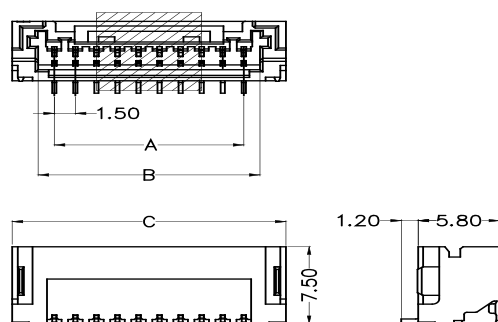
WF1505 Series

Ordering Information 订购信息

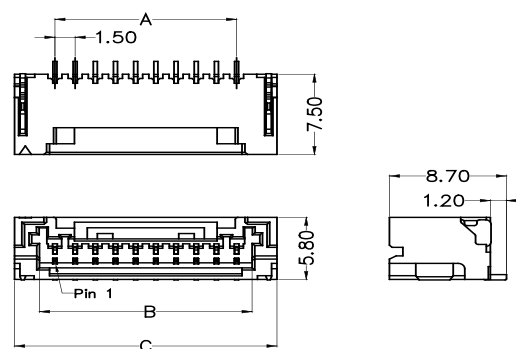
Circuit 芯数	Part number 型号		Dimensions 尺寸 (mm)			Parkage 包装 Q'ty/Reel 只/卷装		Remake 可量产状态	
	S/T SMT	R/A SMT	A	B	C	S/T SMT	R/A SMT	S/T SMT	R/A SMT
2	WF1505-WMH02TR1	WF1505-WZH02TR1	1.50	3.92	7.50	600	850		
3	WF1505-WMH03TR1	WF1505-WZH03TR1	3.00	5.42	9.00	600	850	*	*
4	WF1505-WMH04TR1	WF1505-WZH04TR1	4.50	6.92	10.50	600	850		
5	WF1505-WMH05TR1	WF1505-WZH05TR1	6.00	8.42	12.00	600	850		
6	WF1505-WMH06TR1	WF1505-WZH06TR1	7.50	9.92	13.50	600	850	*	*
7	WF1505-WMH07TR1	WF1505-WZH07TR1	9.00	11.42	15.00	600	850		
8	WF1505-WMH08TR1	WF1505-WZH08TR1	10.50	12.92	16.50	600	850		
9	WF1505-WMH09TR1	WF1505-WZH09TR1	12.00	14.42	18.00	600	850		
10	WF1505-WMH10TR1	WF1505-WZH10TR1	13.50	15.92	19.50	600	850		
11	WF1505-WMH11TR1	WF1505-WZH11TR1	15.00	17.42	21.00	600	850		
12	WF1505-WMH12TR1	WF1505-WZH12TR1	16.50	18.92	22.50	600	850		
13	WF1505-WMH13TR1	WF1505-WZH13TR1	18.00	20.42	24.00	600	850		
14	WF1505-WMH14TR1	WF1505-WZH14TR1	19.50	21.92	25.50	600	850		
15	WF1505-WMH15TR1	WF1505-WZH15TR1	21.00	23.42	27.00	600	850		
16	WF1505-WMH16TR1	WF1505-WZH16TR1	22.50	24.92	28.50	600	850	*	*

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

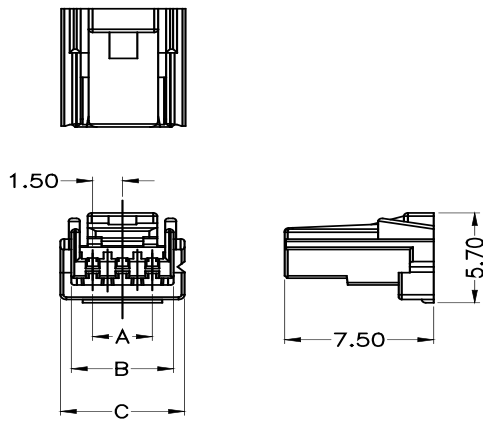
Dimensions 尺寸 (S/T SMT)



Dimensions 尺寸 (R/A SMT)



Dimensions 尺寸

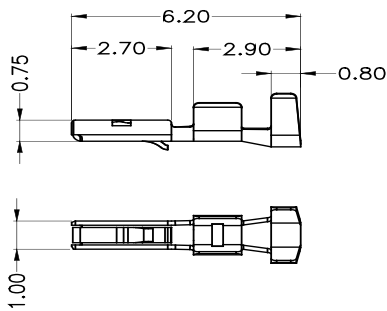


Ordering Information 订购信息

Circuit 芯数	Part number 型号	Dimensions 尺寸 (mm)			Package 包装 Q'ty/Bag 只/袋装	Remake 可量产状态
		A	B	C		
2	WF1505-H02W01	1.50	3.65	4.95	4000	
3	WF1505-H03W01	3.00	5.15	6.25	4000	*
4	WF1505-H04W01	4.50	6.65	7.75	4000	
5	WF1505-H05W01	6.00	8.15	9.25	3000	
6	WF1505-H06W01	7.50	9.65	10.75	3000	*
7	WF1505-H07W01	9.00	11.15	12.25	3000	
8	WF1505-H08W01	10.50	12.65	13.75	3000	
9	WF1505-H09W01	12.00	14.15	15.25	2000	
10	WF1505-H10W01	13.50	15.65	16.50	2000	
11	WF1505-H11W01	15.00	17.15	17.50	2000	
12	WF1505-H12W01	16.50	18.65	18.50	1000	
13	WF1505-H13W01	18.00	20.15	19.00	1000	
14	WF1505-H14W01	19.50	21.65	20.50	1000	
15	WF1505-H15W01	21.00	23.15	21.50	1000	
16	WF1505-H16W01	22.50	24.65	22.50	1000	*

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

Adaptor Terminal 适配端子



型 号	适用电线范围	
	电线外径 (MAX)	线径 (AWG#)
WF1505-MTPSN01	1.20 MAX	24~26
WF1505-MTPSN02	1.00 MAX	28~30

WF1505 Series

Model number allocation 型号命名

WF1505	-	XX	H	XX	T	R	1
(1)		(2)		(3)	(4)	(5)	(6)
(1) Series (系列): Wafer 1.50mm Series				(4) Color(颜色): E=Beige			
(2) Terminal type(端子形态): WM=S/T SMT WZ=R/A SMT				(5) Packing(包装): T=Tuble、R=Tape&Reel			
(3) Circuit(位数): 02=2.....16=16P				(6) Internal code(流水码)			

WF1505	-	H	XX	W	0	1
(1)		(2)	(3)	(4)	(5)	(6)
(1) Series (系列): Wafer 1.50mm Series				(4) Color(颜色): W=White		
(2) Product type(产品类型): H=Crimp Type Housing				(5) Packing(包装): 0=PE Bag		
(3) Circuit(位数): 02=2.....16=16P				(6) Internal code(流水码)		

WF1505	-	MTP	SN	0X
(1)		(2)	(3)	(4)
(1) Series (系列): Wafer 1.50mm Series			(3) Terminal Plating(端子电镀): Sn(镀锡)	
(2) Terminal Material(端子材质): Copper alloys 铜合金			(4) Internal code(流水码) 01=AWG#24-26 02=AWG#28-30	

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: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 Sales Contacts

国际客户部 International Sales Department
salesdg01@wcon.com
salesdg05@wcon.com

大客户专线 Key Account Line
华南: salesdg28@wcon.com
华东: salesks@wcon.com

中小客户专线 Small and Medium-sized Account Line
华南: salesdg10@wcon.com
华东: salesks01@wcon.com

网络销售 Online sales
salesdg26@wcon.com



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