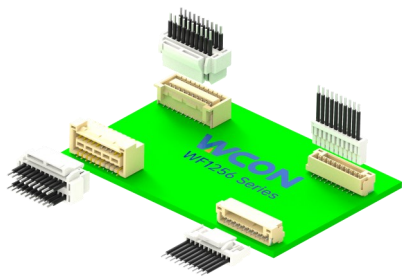


WF1256 Series WF1256系列

1.25mm pitch/Wire-to-board Connector 1.25mm间距/线到板连接器

Two-point contact
两点接触**Overview**

WF1256 is a 1.25mm pitch wire to board connector, the product has both high density, high performance, high integration and other advantages, can effectively ensure the stability of the signal transmission and integrity, the board end to provide horizontal and vertical direction of the board mounting, to meet the customer's different angles of the insertion of the adapter.

Features and Benefits

- Small size and high integration
- Mis-insertion-proof design to avoid mis-insertion effectively
- curved design of the contact surface effectively ensures the long-term adaptation and stability of the male and female terminals
- board end has various shapes and can meet the plug-in needs of customers in various occasions

Product Applications

- Industrial control and automation
- Computer and Interface Devices
- Telecommunication Modules

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	PA66	White/白色	UL94V-0
Header/板端	PA9T	Natural/本色	UL94V-0
Terminal/端子	phosphor bronze 磷铜 (C5191)	Tin plated 镀锡	-

概述

WF1256是一款1.25mm间距线到板连接器，产品兼具高密度、高性能，高集成等优点，能有效确保信号传输的稳定性以及完整性，板端提供水平及垂直方向贴板安装，满足客户不同角度对插适配。

产品特点

- 产品体积小，集成度高
- 防错插设计、有效避免错插
- 接触面弧形设计，有效确保公母端子长时间适配稳定
- 板端形态多样，可满足客户各种场合的对插需求

应用领域

- 工业控制与自动化
- 计算机及接口设备
- 电信通讯模块

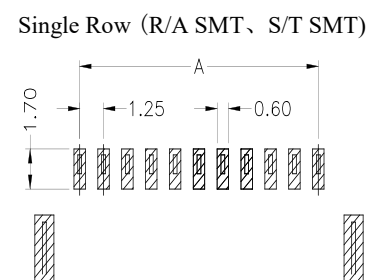
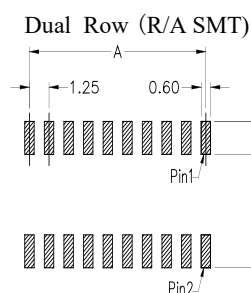
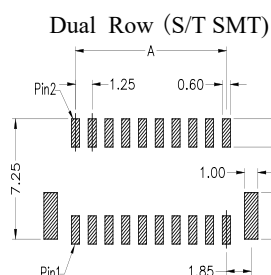
Production Specifications 产品规格

Current rating 额定电流	1.0 A	Operating Temperature Range:-25° C~+85° (including temperature rise) Operating Humidity Range:20-80% 工作温度范围: -25° C~+85° 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	50V		

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 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/ 30 mo max After environmental tests/ 50 mo max. 接触电阻: 初始值 30 mΩ 以下 测试后 50 mΩ 以下
Vibration Resistance 抗振动	Frequency : 50 ~ 2000 Hz PSD value : 3.13 Gms minimum Duration : 15 minutes/axis Times : Each of three mutually perpendicular planes. 频率: 50 ~ 2000 Hz 测试加速度: 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/ 30 mo max. 接触电阻: 初始值 30 mΩ 以下 测试后 50 mΩ 以下
Salt Spray 盐雾	Temperature:35#2°C Humidity:95~98%(R.H) PHValue : 6.5 ~ 7.2 Duration : 12hours 温度: 35±2° C 湿度: 95~98%(R.H) PH值: 6.5~7.2 时间: 12小时	Contact resistance: Initial value/ 20 mo max After environmental tests/ 30 mo max. 接触电阻: 初始值 30 mΩ 以下 测试后 50 mΩ 以下
Durability(Mating/un-mating) 插拔寿命	30 cycles 循环30次	Contact resistance: Initial value/ 20 mo max After environmental tests/ 30 mo max. 接触电阻: 初始值 30 mΩ 以下 测试后 50 mΩ 以下

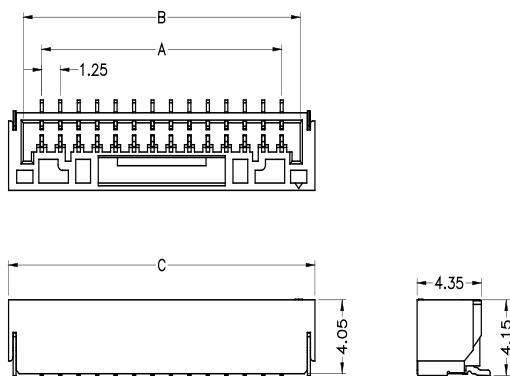
PCB Layout 印刷电路板布局

SMT type 表面贴装型

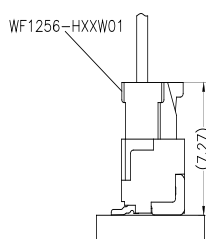


WF1256 Series

Dimensions 尺寸 (Single Row S/T SMT)



Assembly Schematic 装配示意

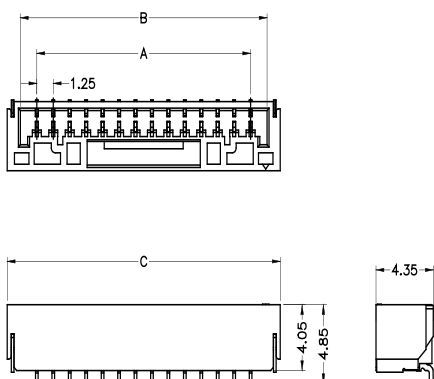


Ordering Information 订购信息

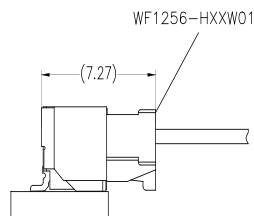
Circuit 芯数	Part number 型号	Dimensions 尺寸 (mm)			Package 包装 Q'ty/Reel 只/卷装	Remake 可量产状态
		A	B	C		
2	WF1256-WM02ER1	1.25	3.75	5.75	1000	*
3	WF1256-WM03ER1	2.50	5.00	7.00	1000	*
4	WF1256-WM04ER1	3.75	6.25	8.25	1000	*
5	WF1256-WM05ER1	5.00	7.50	9.50	1000	*
6	WF1256-WM06ER1	6.25	8.75	10.75	1000	*
7	WF1256-WM07ER1	7.50	10.00	12.00	1000	*
8	WF1256-WM08ER1	8.75	11.25	13.25	1000	*
9	WF1256-WM09ER1	10.00	12.50	14.50	1000	*
10	WF1256-WM10ER1	11.25	13.75	15.75	1000	*
11	WF1256-WM11ER1	12.50	15.00	17.00	1000	*
12	WF1256-WM12ER1	13.75	16.25	18.25	1000	*
13	WF1256-WM13ER1	15.00	17.50	19.50	1000	*
14	WF1256-WM14ER1	16.25	18.75	20.75	1000	*
15	WF1256-WM15ER1	17.50	20.00	22.00	1000	*

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

Dimensions 尺寸 (Single Row R/A SMT)



Assembly Schematic 装配示意

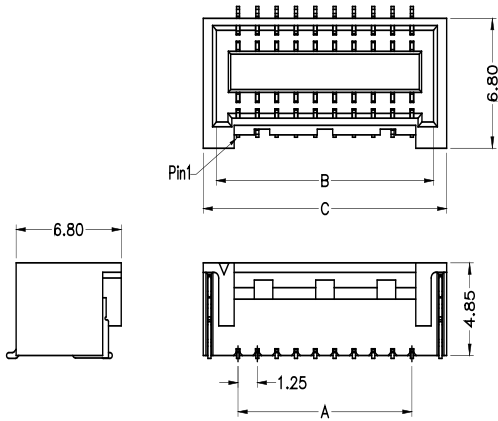


Ordering Information 订购信息

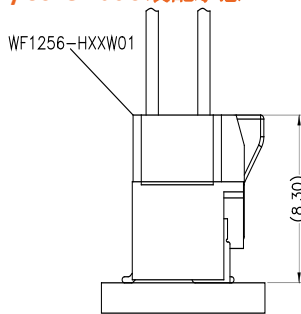
Circuit 芯数	Part number 型号	Dimensions 尺寸 (mm)			Package 包装 Q'ty/Reel 只/卷装	Remake 可量产状态
		A	B	C		
2	WF1256-WZ02ER1	1.25	3.75	5.75	900	*
3	WF1256-WZ03ER1	2.50	5.00	7.00	900	*
4	WF1256-WZ04ER1	3.75	6.25	8.25	900	*
5	WF1256-WZ05ER1	5.00	7.50	9.50	900	*
6	WF1256-WZ06ER1	6.25	8.75	10.75	900	*
7	WF1256-WZ07ER1	7.50	10.00	12.00	900	*
8	WF1256-WZ08ER1	8.75	11.25	13.25	900	*
9	WF1256-WZ09ER1	10.00	12.50	14.50	900	*
10	WF1256-WZ10ER1	11.25	13.75	15.75	900	*
11	WF1256-WZ11ER1	12.50	15.00	17.00	900	*
12	WF1256-WZ12ER1	13.75	16.25	18.25	900	*
13	WF1256-WZ13ER1	15.00	17.50	19.50	900	*
14	WF1256-WZ14ER1	16.25	18.75	20.75	900	*
15	WF1256-WZ15ER1	17.50	20.00	22.00	900	*

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

Dimensions 尺寸 (Dual Rows S/T SMT)



Assembly Schematic 装配示意

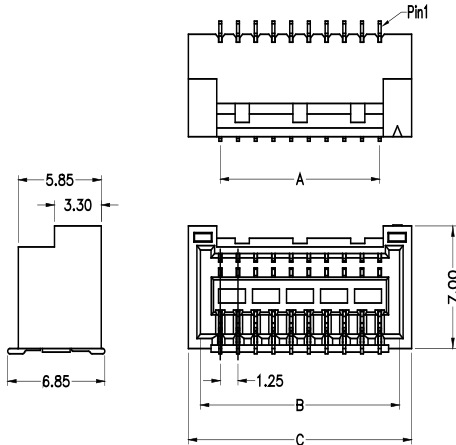


Ordering Information 订购信息

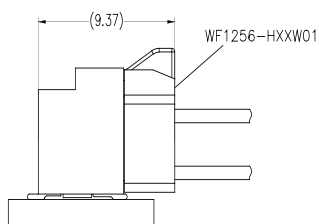
Circuit 芯数	Part number 型号	Dimensions 尺寸 (mm)			Package 包装 Q'ty/Reel 只/卷装	Remake 可量产状态
		A	B	C		
10	WF1256-2WM05XXER1	5.00	7.80	9.50	700	*
12	WF1256-2WM06XXER1	6.25	9.05	10.75	700	*
14	WF1256-2WM07XXER1	7.50	10.30	12.00	700	*
16	WF1256-2WM08XXER1	8.75	11.55	13.25	700	*
18	WF1256-2WM09XXER1	10.00	12.80	14.50	700	*
20	WF1256-2WM10XXER1	11.25	14.05	15.75	700	*
22	WF1256-2WM11XXER1	12.50	15.30	17.00	700	*
24	WF1256-2WM12XXER1	13.75	16.55	18.25	700	*
26	WF1256-2WM13XXER1	15.00	17.80	19.50	700	*
28	WF1256-2WM14XXER1	16.25	19.05	20.75	700	*
30	WF1256-2WM15XXER1	17.50	20.30	22.00	700	*
32	WF1256-2WM16XXER1	18.75	21.55	23.25	700	*
34	WF1256-2WM17XXER1	20.00	22.80	24.50	700	*
36	WF1256-2WM18XXER1	21.25	24.05	25.75	700	*
38	WF1256-2WM19XXER1	22.50	25.30	27.00	700	*
40	WF1256-2WM20XXER1	23.75	26.55	28.25	700	*

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

Dimensions 尺寸 (Dual Rows R/A SMT)



Assembly Schematic 装配示意



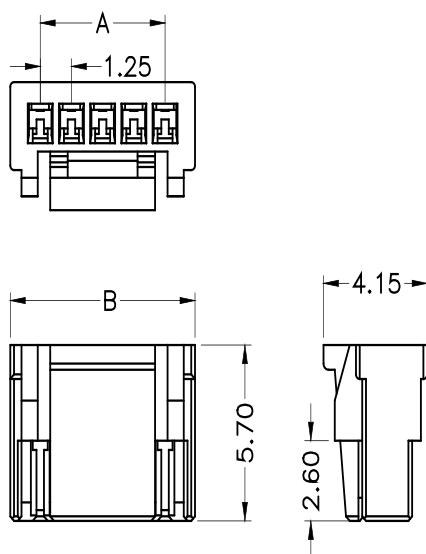
Ordering Information 订购信息

Circuit 芯数	Part number 型号	Dimensions 尺寸 (mm)			Package 包装 Q'ty/Reel 只/卷装	Remake 可量产状态
		A	B	C		
10	WF1256-2WZ05XXER1	5.00	7.80	9.50	500	*
12	WF1256-2WZ06XXER1	6.25	9.05	10.75	500	*
14	WF1256-2WZ07XXER1	7.50	10.30	12.00	500	*
16	WF1256-2WZ08XXER1	8.75	11.55	13.25	500	*
18	WF1256-2WZ09XXER1	10.00	12.80	14.50	500	*
20	WF1256-2WZ10XXER1	11.25	14.05	15.75	500	*
22	WF1256-2WZ11XXER1	12.50	15.30	17.00	500	*
24	WF1256-2WZ12XXER1	13.75	16.55	18.25	500	*
26	WF1256-2WZ13XXER1	15.00	17.80	19.50	500	*
28	WF1256-2WZ14XXER1	16.25	19.05	20.75	500	*
30	WF1256-2WZ15XXER1	17.50	20.30	22.00	500	*
32	WF1256-2WZ16XXER1	18.75	21.55	23.25	500	*
34	WF1256-2WZ17XXER1	20.00	22.80	24.50	500	*
36	WF1256-2WZ18XXER1	21.25	24.05	25.75	500	*
38	WF1256-2WZ19XXER1	22.50	25.30	27.00	500	*
40	WF1256-2WZ20XXER1	23.75	26.55	28.25	500	*

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

WF1256 Series

Dimensions 尺寸 (Single Row)

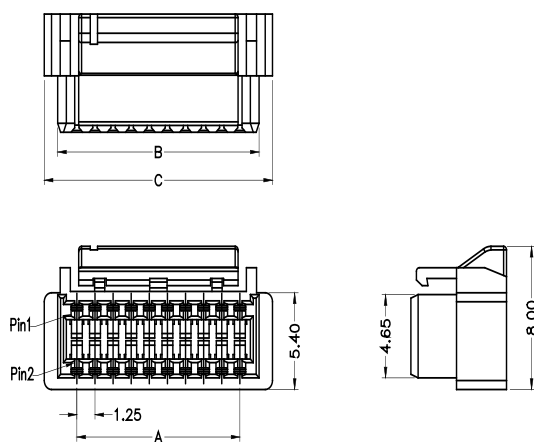


Ordering Information 订购信息

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		
2	WF1256-H02W01	1.25	3.65	3,000	*
3	WF1256-H03W01	2.50	4.0	3,000	*
4	WF1256-H04W01	3.75	6.15	3,000	*
5	WF1256-H05W01	5.00	7.40	3,000	*
6	WF1256-H06W01	6.25	8.65	2,000	*
7	WF1256-H07W01	7.50	9.90	2,000	*
8	WF1256-H08W01	8.75	11.15	2,000	*
9	WF1256-H09W01	10.00	12.40	2,000	*
10	WF1256-H10W01	11.25	13.65	2,000	*
11	WF1256-H11W01	12.50	14.90	1,000	*
12	WF1256-H12W01	13.75	16.15	1,000	*
13	WF1256-H13W01	15.00	17.40	1,000	*
14	WF1256-H14W01	16.25	18.65	1000	*
15	WF1256-H15W01	17.50	19.90	1,000	*

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

Dimensions 尺寸 (Dual Row)

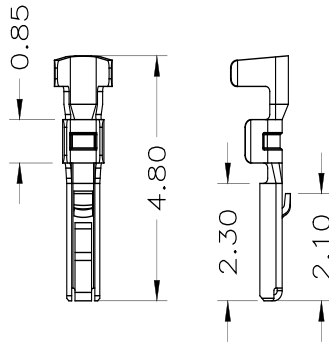


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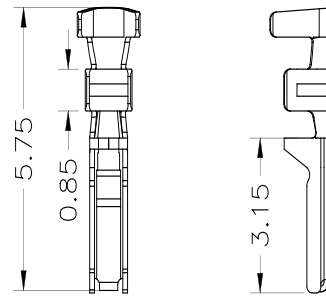
Circuit 芯数	Part number 型号	Dimensions 尺寸 (mm)			Package 包装 Q'ty/Bag 只/袋装	Remake 可量产状态
		A	B	C		
10	WF1256-2H05W01	5.00	7.65	9.50	1,000	*
12	WF1256-2H06W01	6.25	8.90	10.75	1,000	*
14	WF1256-2H07W01	7.50	10.15	12.00	1,000	*
16	WF1256-2H08W01	8.75	11.40	13.25	1,000	*
18	WF1256-2H09W01	10.00	12.65	14.50	1,000	*
20	WF1256-2H10W01	11.25	13.90	15.75	1,000	*
22	WF1256-2H11W01	12.50	15.15	17.00	1,000	*
24	WF1256-2H12W01	13.75	16.40	18.25	1,000	*
26	WF1256-2H13W01	15.00	17.65	19.50	1,000	*
28	WF1256-2H14W01	16.25	18.90	20.75	1,000	*
30	WF1256-2H15W01	17.50	20.15	22.00	1,000	*
32	WF1256-2H16W01	18.75	21.40	23.25	1,000	*
34	WF1256-2H17W01	20.00	22.65	24.50	1,000	*
36	WF1256-2H18W01	21.25	23.90	25.75	1,000	*
38	WF1256-2H19W01	22.50	25.15	27.00	1,000	*
40	WF1256-2H20W01	23.75	26.40	28.25	1,000	*

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

Adaptor Terminal 适配端子



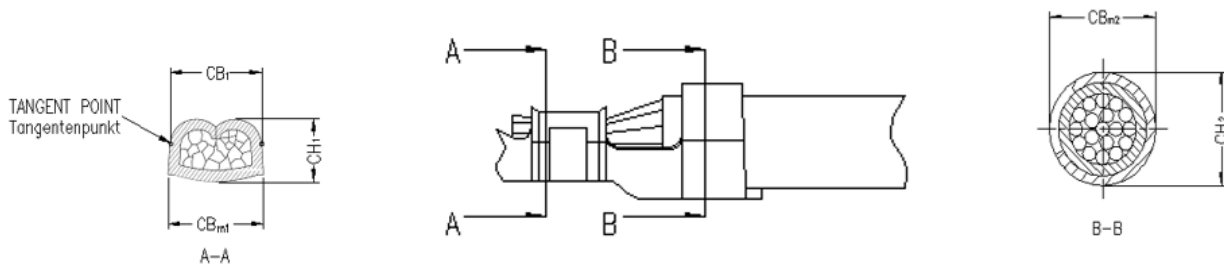
型号 Model number	WF1256-TPXX0X
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型号 Model number	WF1256-TP1XX0X(双排)
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Terminal Crimp specification 端子压接规范

型号 Model number	电线类型 Wire type	电线规格 Wire size	线缆 OD (mm) Cable OD (mm)	剥线长度 (mm) Strip length (mm)	导体铆压 (A-A) Conductor crimp			绝缘体铆压 (B-B) Insulation crimp	
					压接宽度CB1 Crimping width CB1±0.03mm	压接宽度CBm1 Crimping height CBm1+0.05mm	压接高度 Crimping height CH1±0.03mm	压接宽度CBm2 Crimping width CBm2±0.05mm	压接高度CH2 Crimping width CH2±0.08mm
WF1256-TPXX01	UL 1571	28AWG	0.5-0.9	1.5±0.2mm	0.8	0.82	0.48	1	1.17
WF1256-TPXX02	UL 1061	26AWG	1	1.5±0.2mm	0.81	0.85	0.66	1	1.1
WF1256-TP1XX02	3302	30AWG	0.7	1.5±0.2mm	0.8	0.83	0.5	0.93	0.93
	10368	32AWG	0.6		0.8	0.83	0.5	0.93	0.93
WF1256-TP1XX03	UL 1061	26AWG	1	1.5±0.2mm	0.88	0.94	0.55	1	1.17
	UL 1571	28AWG	0.9		0.88	0.94	0.55	1	1.17



WF1256 Series

Model number allocation 型号命名

WF1256	-	X	XX	XX	XX	E	X	1
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(1) Series (系列): Wafer 1.25mm Series						(5) Contact Plating (电镀): Blank=Tin GX=xx u" Gold		
(2) Number of rows (排数): Blank=单排、2=双排						(6) Color (颜色): E=Natural		
(3) Terminal type (端子形态): WM=S/T SMT WZ=R/A SMT						(7) Packing (包装): R=Tape&Reel		
(4) Circuit (位数): 02=2.....20=20P						(8) Internal code (流水码):		

WF1256	-	X	XX	XX	XX	X	1
(1)		(2)	(3)	(4)	(5)	(6)	(7)
(1) Series (系列): Wafer 1.25mm Series						(5) Color (颜色): W=White	
(2) Number of rows (排数): Blank=单排、2=双排						(6) Packing (包装): 0=PE Bag	
(3) Product type (产品类型): H=Crimp Type Housing						(7) Internal code (流水码)	
(4) Circuit (位数): 02=2.....20=20P							

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Official Website



Product e-catalog



WeChat Public#



TikTok Public#