

1、产品特征描述 Product Feature Description:

SSMP 型连接器是一种超小型推入式射频同轴连接器，结构特点与 SMP 相似但体积更小，具有体积微小、重量轻、工作频带宽等特点，适用于板间连接成对使用，其中插头连接器有全擒纵和光孔两种界面形式，适用于模块化密集安装场合。

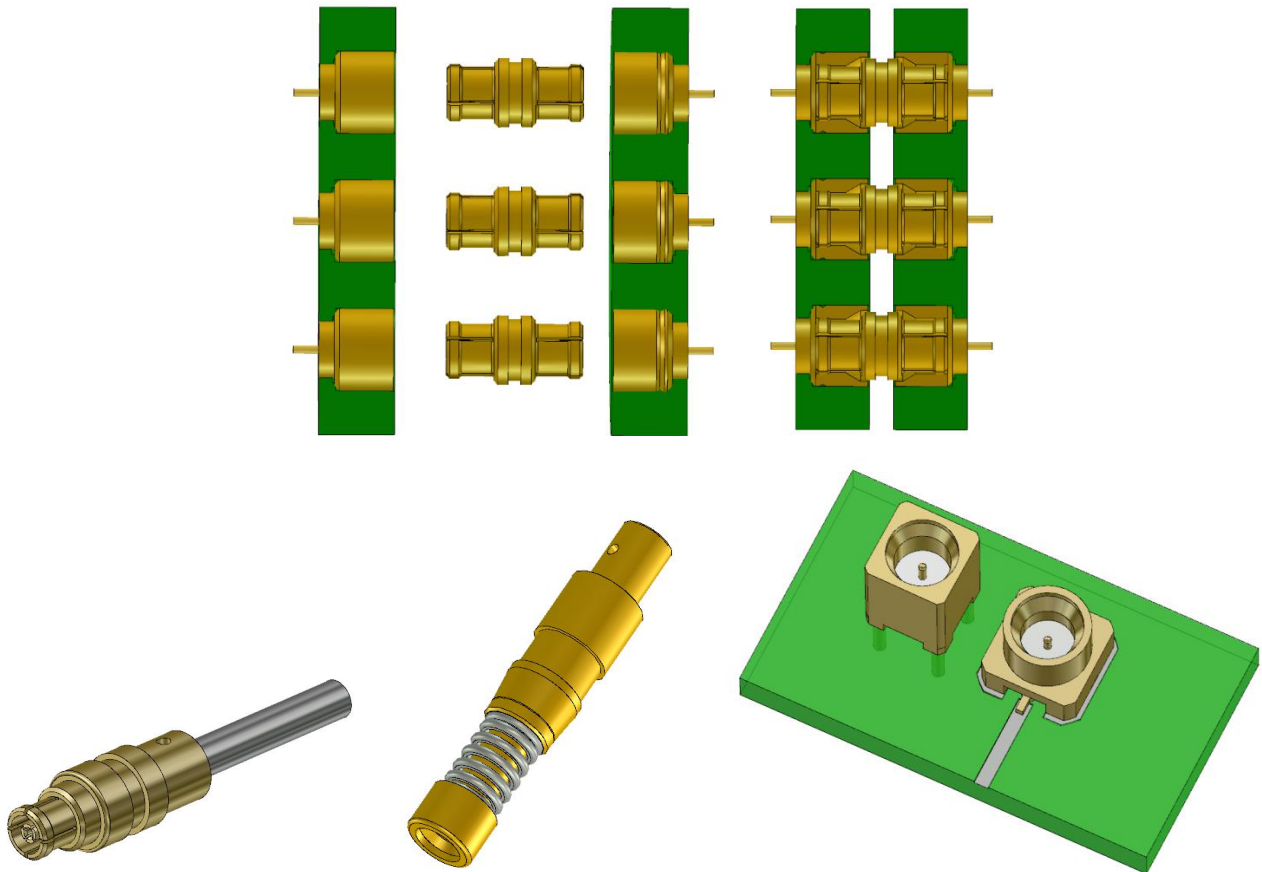
SSMP type connector is an ultra-small push-type RF coaxial connector, the structure and SMP similar size but smaller, with a small size, light weight, frequency bandwidth and other features for the use of inter-board connection in pairs, One plug connector with full escapement and light hole two interface forms, suitable for modular intensive installation of the occasion.

富士达公司 SSMP 产品包括多种接电缆的直式、弯式插头和插座，插座具有光孔和全擒纵两种界面形式。SSMP 产品具有穿墙安装、法兰安装和玻璃烧结等多种结构，是一种能提供多种界面的超小型连接器，为您在选择高可靠连接器时，提供了灵活多样的解决方案。

SSMP 推入式的连接的界面可以满足客户快速装配、测试的要求。全擒纵结构的 SSMP 连接器具有良好的机械可靠性，能够满足整机系统震动冲击的要求。

Forstar SSMP products include a variety of cable straight, curved plugs and sockets, socket with light hole and full escapement two interface forms. SSMP products with wall mounting, flange mounting and glass sintering and other structures, is a variety of interfaces to provide ultra-small connector for you in the choice of high reliability connector, provides a flexible solution.

SSMP push-in connection interface to meet customer requirements for rapid assembly, testing. The escapement structure of the SSMP connector has good mechanical reliability, to meet the machine system shock shock requirements.



2、SSMP 系列连接器主要技术参数 SSMP series connector main technical parameters

执行标准 executive standard		
军品 Military goods	通用规范 General specification	GJB 680 《射频同轴连接器转接器通用规范》(MIL-PRF-55339) GJB 680 《general specification for rf coaxial connector adapter》(MIL - PRF - 55339) GJB 681 《射频同轴连接器通用规范》(MIL-PRF-39012) GJB 681 《rf coaxial connector general specification》(MIL - PRF - 39012) GJB 976 《同轴、带状线或微带传输线用射频同轴连接器通用规范》(MIL-DTL-83517) GJB 976 《coaxial, stripline and microstrip transmission line with rf coaxial connector general specification》(MIL - DTL - 83517)
	系列分规范 Series points specification	Q/FD 21002 《SSMP 系列军用射频同轴连接器分规范》 Q/FD 21002 《SSMP series of military radio frequency coaxial connector sub-standard》
民品 civilian goods	通用规范 General specification	GB/T 11313.1 《射频连接器 第1部分：总规范 一般要求和试验方法》(IEC 61169-1) GB/T 11313.1 《RF connectors Part 1: General specification General requirements and test methods》(IEC 61169-1)
	系列分规范 Series points specification	Q/FD 21217 《SSMP 系列民用射频同轴连接器分规范》 Q/FD 21217 《SSMP series of civil radio frequency coaxial connector sub-standard》
产品界面 Product interface		MIL-STD-348 《美国射频连接器界面标准》 MIL-STD-348 《American RF connector interface standard》
额定值 rated value		
工作频率 (GHz) operating frequency (GHz)		DC~65 或电缆的频率上限 DC ~ 65 or cable frequency limit
标称阻抗 (Ω) Nominal resistance (Ω)		50
海平面工作电压 (V) Sea level working voltage (V)		250
温度范围 (°C) Temperature range (°C)		-55~+165
电气性能 Electrical properties		



绝缘电阻 (MΩ) Insulation resistance (MΩ)	5000 (试验电压为 500V) 5000 (test voltage is 500 v)	
电压驻波比 Pattern voltage standing wave ratio (VSWR)	DC~18GHz	≤1.25
	18GHz~26.5GHz	≤1.3
	26.5GHz~40GHz	≤1.4
	40GHz~50GHz	≤1.5
射频插入损耗 (dB) Radio frequency insertion loss (dB)	0.12√f (f 单位为 GHz) 0.12√f (f unit for GHz)	
接触电阻 (mΩ) Contact resistance (mΩ)	内导体 Inner conductor	≤6.0
	外导体 Outer conductor	≤2.0 (铜合金) (copper alloy)
介质耐电压 (V) Dielectric Withstand Voltage (V)	500	
机械性能 mechanical property		
界面型式 Interface type	全擒纵 escapement	光孔 light hole
啮合力 Engagement force	≤36N	≤18N
分离力 separation force	≥20N	≥7N
连接器的耐久性 The durability of the connector	100 次 100 times	500 次 500 times
中心接触件的固定性 Fixedness of the center contact	≥6.7N	
环境性能 Environmental performance		
盐雾 (腐蚀) Salt spray (corrosion)	GJB 360 方法 101, 试验条件 B(48H) GJB 360 Method 101, Test Condition B (48H)	
高频振动 High frequency vibration	GJB 360 方法 204, 试验条件 A GJB 360 Method 204, Test Condition A	
冲击(规定脉冲) Impact (specified pulse)	GJB 360 方法 213, 试验条件 A GJB 360 Method 213, Test Conditions A	
温度冲击 Temperature impact	GJB 360 方法 107, 试验条件 B GJB 360 Method 107, Test Condition B	
耐湿 Resistant to moisture	GJB 360 方法 106 (省去步骤 7b) (振动) GJB 360 Method 106 (Eliminates Step 7b) (Vibration)	
材料与表面镀层 Material and surface finishes		



外导体 Outer conductor	黄铜镀硬金或镍；不锈钢钝化 Brass plated with hard gold or nickel; stainless steel passivated
内导体 Inner conductor	插针：锡磷青铜镀硬金 Pin: tin phosphor bronze plated hard gold
	插孔：铍青铜镀硬金 Jack: beryllium bronze plated hard gold
绝缘介质 Insulation medium	聚四氟乙烯、聚醚醚酮、聚醚酰亚胺 teflon, peek, PEI