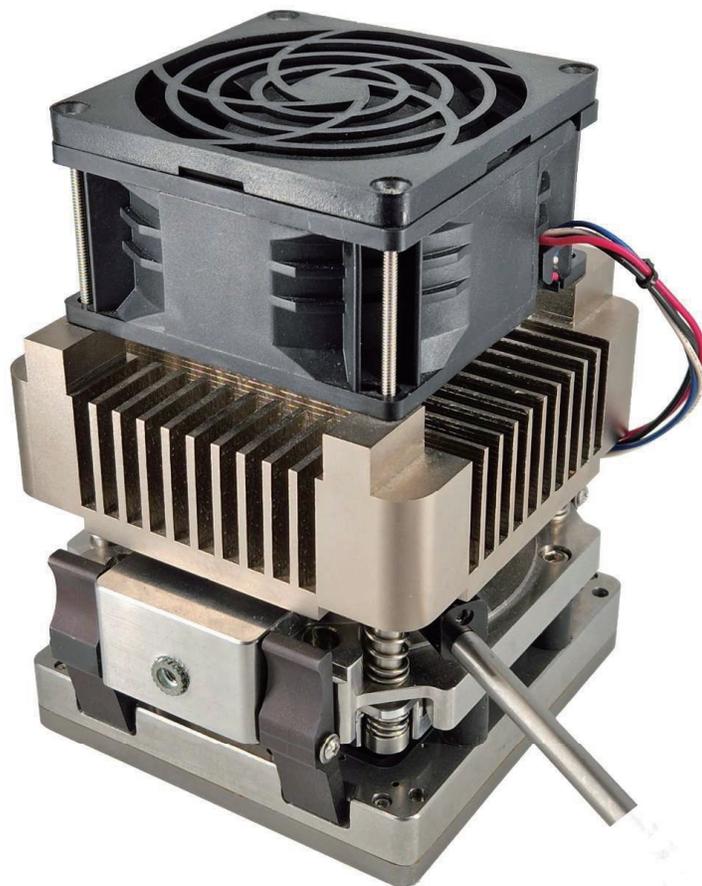


老化测试解决方案



# QN系列插座

加速寿命测试(老化测试) 解决方案



在针对最新型QFN封装(如MLF、BCC和LPCC)插座解决方案的设计和开发方面,史密斯英特康的产品引领市场。这些插座在小尺寸外形的条件下实现了模块化设计理念,而且电感非常低。

与带盖插座相比,在相同引脚数量条件下,新型开顶式QFN插座能更方便地装载和卸载封装。

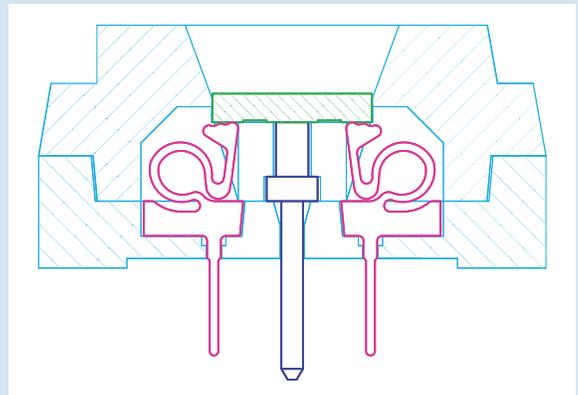
该系列老化测试插座适用于下一代集成电路封装的高可靠性测试。

## 优势

- 行业认可的设计、内部工具与模具制造以及机械加工(全自动化组装)
- 丰富的组件库和可配置选择

## 特征

- 支持的间距类型:0.40mm、0.50mm、0.65mm、0.80mm和1.00mm
- 定制化间距可低至0.30mm
- 带盖插座与开顶式插座支持尺寸 $\leq 10\text{mm}$ 的封装
- 带盖插座支持尺寸10mm至16mm的封装
- 所有插座中心引脚接地
- 对于高功率设备,可选铜质散热柱
- 插座适用于80多种不同JEDEC标准封装



## QN系列插座规格

### 机械特性

- 安装: 通孔
- 插座操作: 翻盖
- 运行温度: -55°C至150°C
- 接触力: 32g
- 生命周期: 5,000次机械寿命

### 电气特性

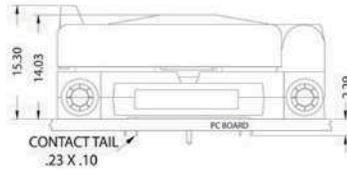
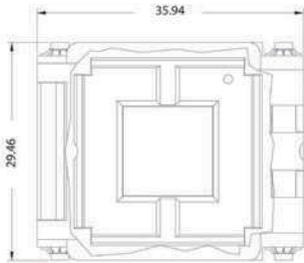
- 接触电阻: <math>< 50\text{m}\Omega</math>
- 电感: 3nH
- 额定电流: 温度升高30°C, 额定电流为0.5A; 温度升高75°C, 额定电流为1.0A
- 体积电阻率:  $1 \times 10^{15} \Omega\text{-cm}$
- 绝缘电阻: 220.5 kV/cm

### 材料

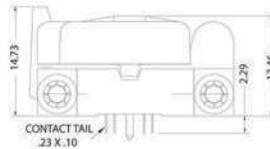
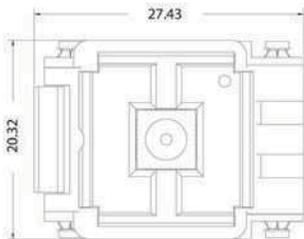
- 塑料主体: PPS
- 接触座金属: 铍铜
- 触点电镀层: 在镍层上镀金; 镍硼合金层 (可选)
- 中心引脚基底金属: 黄铜; 铜 (可选)
- 中心引脚镀层: 金
- 弹簧、扭转部件/线圈: 钝化不锈钢

## Q系列插座尺寸

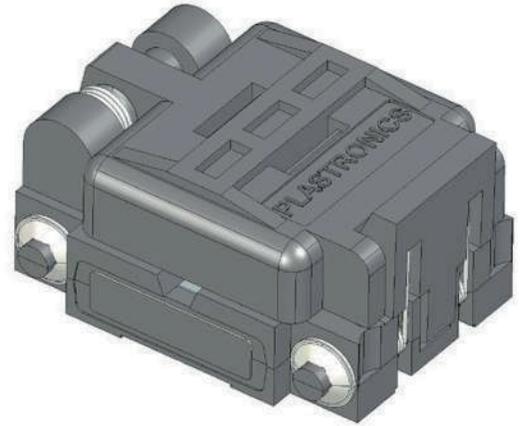
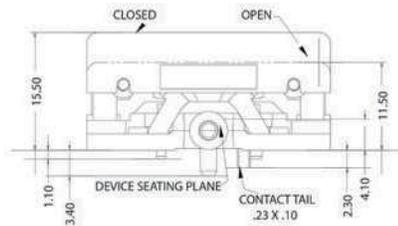
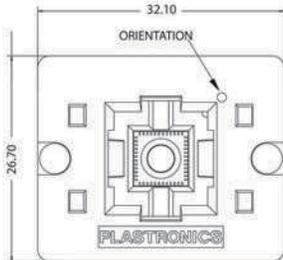
### 带盖插座主体尺寸 $\leq 10\text{mm}$



### 带盖插座主体尺寸 10mm - 16mm



### 开顶式插座主体尺寸 $\leq 10\text{mm}$



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