

产品概况

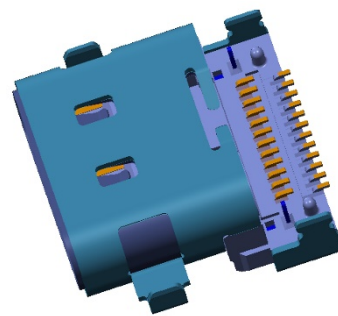
USB TYPE C 母座包含24个端子，允许双向插入，有四根电源端子和四根地线端子，以及两对高速信号通道和一个2.0 信号通道，插拔寿命达到10000次，支持的最大电压到48V，额定电流5A,单颗连接器可以有240W的功率，USB TYPE C REC 4.0 一个高速通道的速率是40Gbps, 总的高速传输速率是80Gbps

产品应用

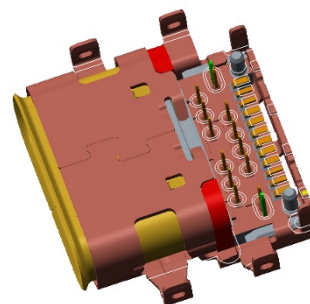
- 台式电脑和 workstation
- 手机等移动设备
- 笔记本电脑
- 汽车车用

技术信息

- 符合TYPE C协会规范.
- 满足协会5A的额定电流，定制版的电流到了8A以上
- 高寿命，高耐久性堵漏次数
- 数据传输速率最高可达80Gbps
- 满足USB4 GEN4功能，可应客户要求满足TBT4的认证需求

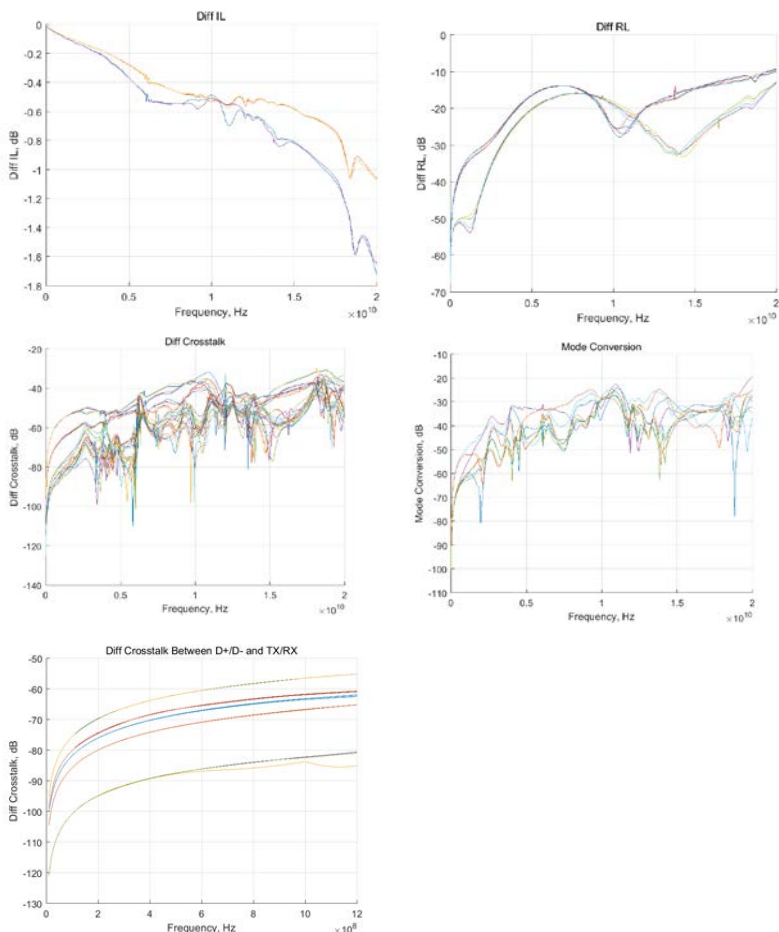


双排SMT



混合型

高频信号完整性



机械性能

- 插入力: 5N~20N.
- 初始拔出力: 8N~20N, 耐久后拔出力: 6N~20N
- 寿命次数: 10000cycles.

电气性能

- 低阶接触阻抗: 40mΩ initial, after test 50mΩ
- 绝缘阻抗: 100MΩ min.
- 耐电压: 100VAC.
- 额定电流: 5A
- 额定电压: 48V最大

环境性能

- 易燃性: UL 94 V-0
- 低卤素: 最大1000ppm. Cl, 1000ppm最大Br
- 符合RoHS指令2011/65/EU
- 工作温度: -55°C ~ +85°C

产品规范

- 协会规范: Universal Serial Bus 4 (USB4™) Specification
- 得润规范: USB TYPE C CONN. SPEC.: DR-PS-0060

GENERAL PROFILE

USB TYPE C includes 24 terminals, allowing two-way insertion, and supports four power and ground pairs, as well as two high-frequency signal pairs and a 2.0 signal pair, with rated durability increased to 10,000 times of mating and unmating. Its rated voltages can be up to 48V, current ratings up to 5A, and up to 240W of power can be transmitted through a single USB TYPE C connection. Each high-frequency data pin pair can manage data transfer rates up to 40Gbps, meaning the connector's total transmission capacity is 80Gbps.

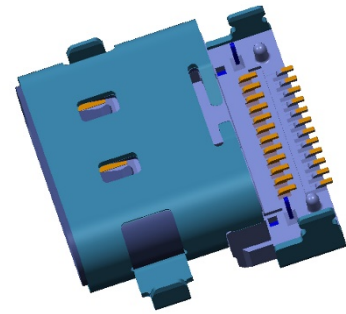
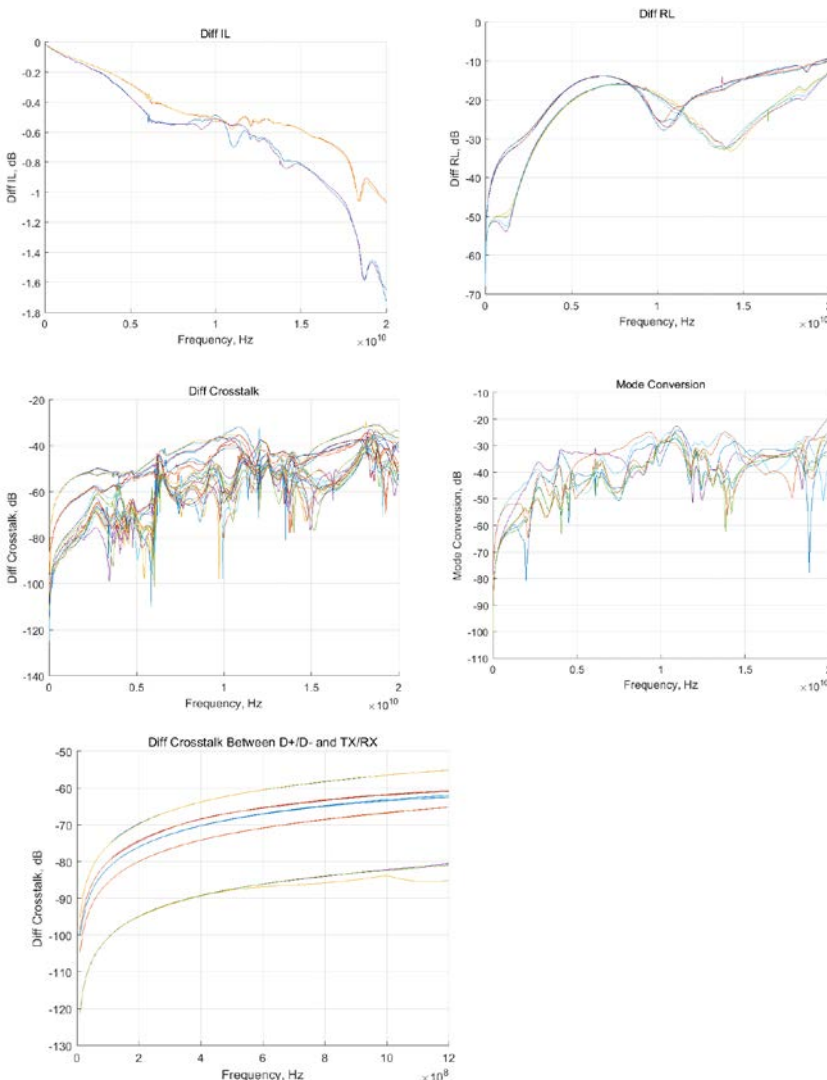
TARGET MARKET

- Desktop computer & Work station
- Notebook
- Mobile phone
- Automobile

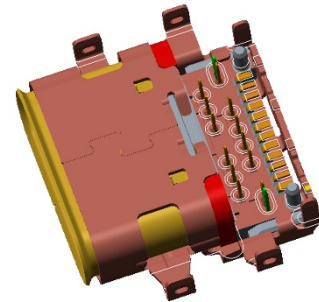
TECHNICAL INFORMATION

- Meets USB type C Association Spec.
- Capable of delivering 5A current for all options, and 8A current rating capability for selected options
- High durability plugging times.
- Data rate can transfer up to 80Gbps max.
- USB4 GEN4 capability and TBT4 capability for selected options

SI PERFORMANCE



Dual SMT Type



Hybrid Type

MECHANICAL PERFORMANCE

- mating force: 5N~20N.
- unmating force: initial 8N~20N, after test: 6N~20N
- Durability: 10000cycles.

ELECTRICAL PERFORMANCE

- Low level contact resistance: 40mΩ initial , after test 50mΩ
- Insulation resistance: 100MΩ min.
- Dielectric withstanding voltage: 100VAC.
- Current rating: 5A
- voltages rating: 48V max.

ENVIRONMENTAL

- Flammability: UL 94 V-0
- Low halogen: 1000ppm max. Cl, 1000ppm max Br.
- Compliant with RoHS directive 2011/65/EU
- Operating Temperature: -55° C to + 85° C

SPECIFICATION

- USB type C Association Spec.:
Universal Serial Bus 4 (USB4™) Specification
- DEREN PRODUCT SPEC:
USB TYPE C CONN. SPEC.:DR-PS-0060