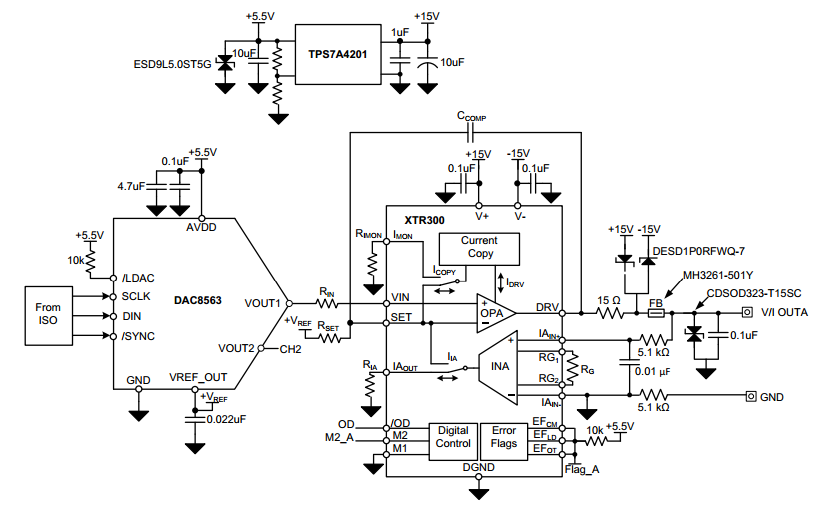
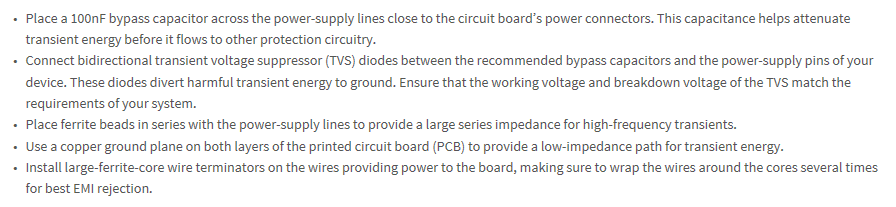
可靠性设计技术笔记

1. TI电路设计可靠性摘要

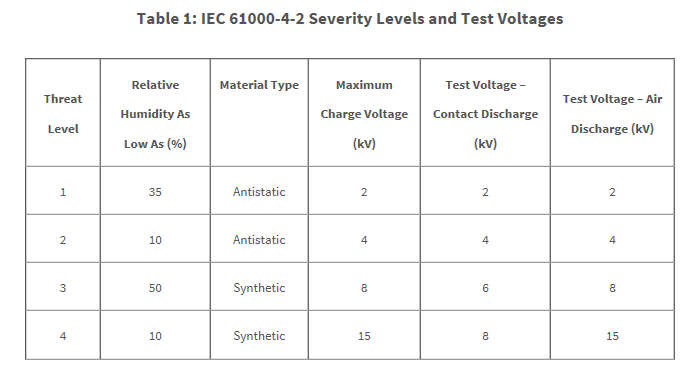
4-20mA电流环输出

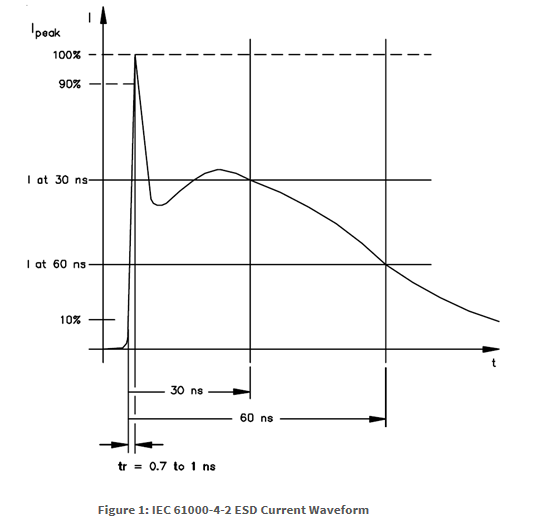


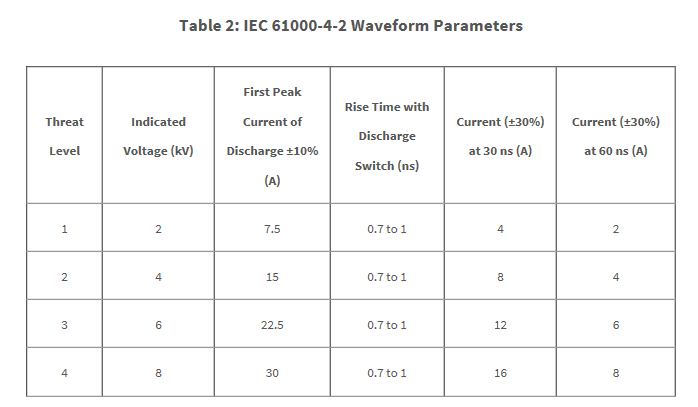


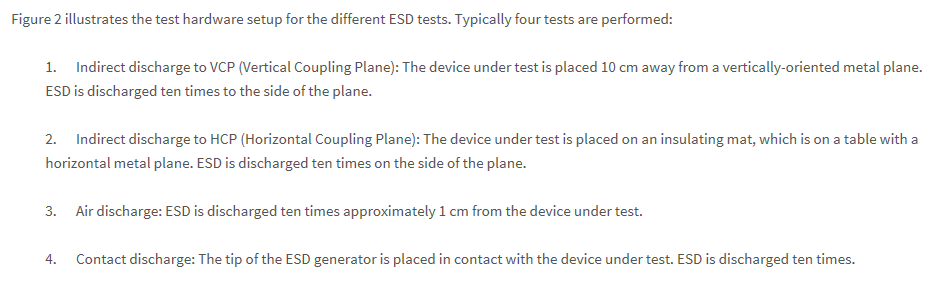
比较常见的设计思路就是电源的输出口添加ESD管，防止能量打到这里影响系统操作；

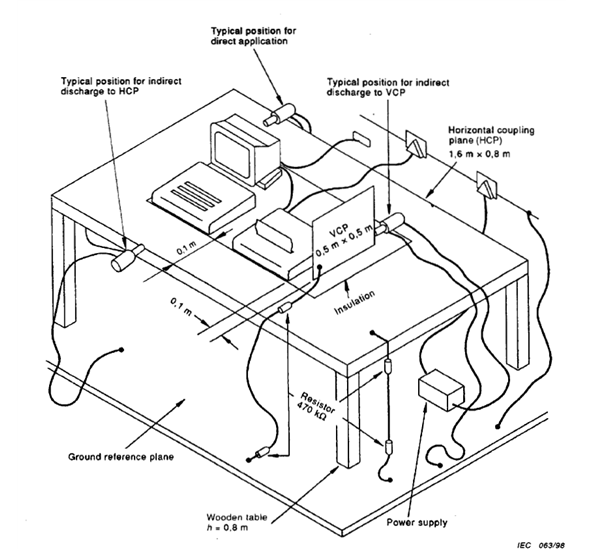
1. ESD参数级别以及波形



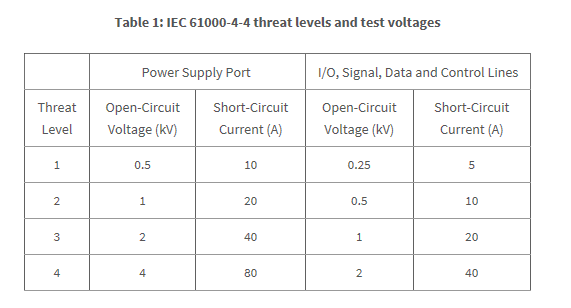


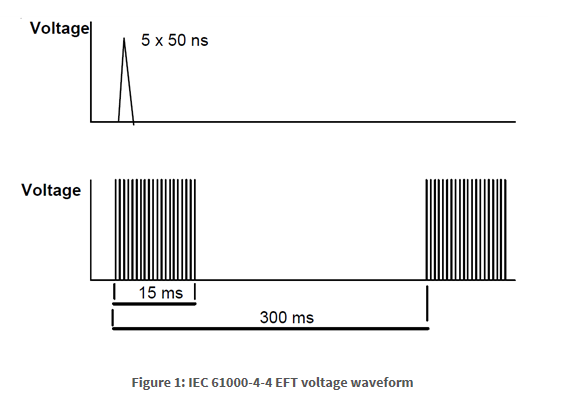




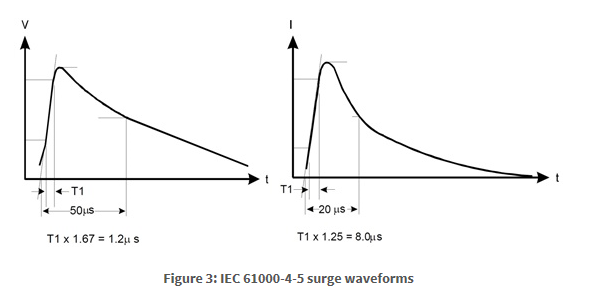


1. EFT



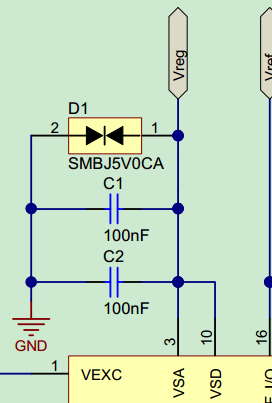


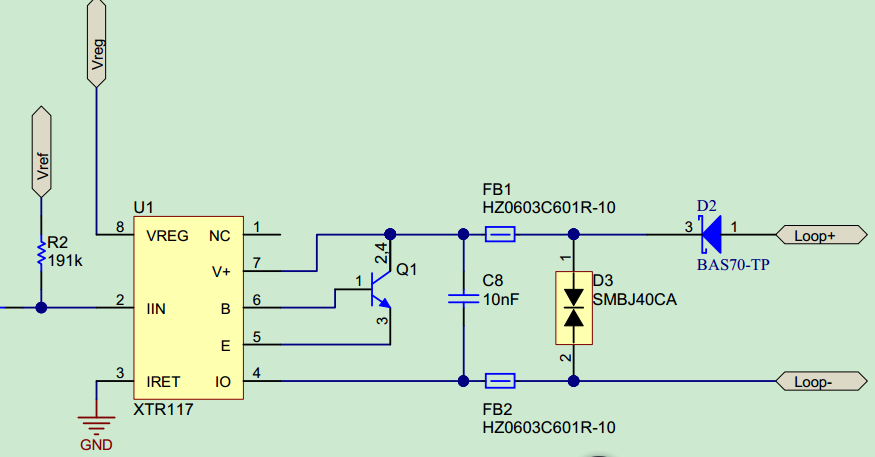
1. 浪涌





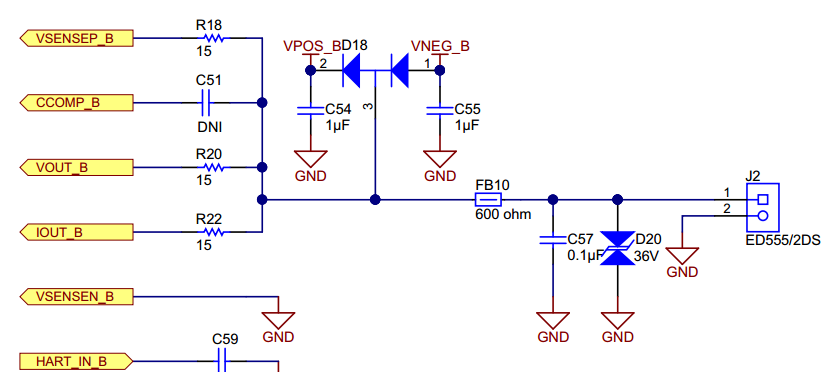
1. TI工业级4-20mA输出模块

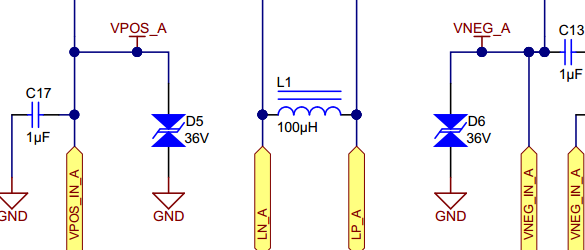


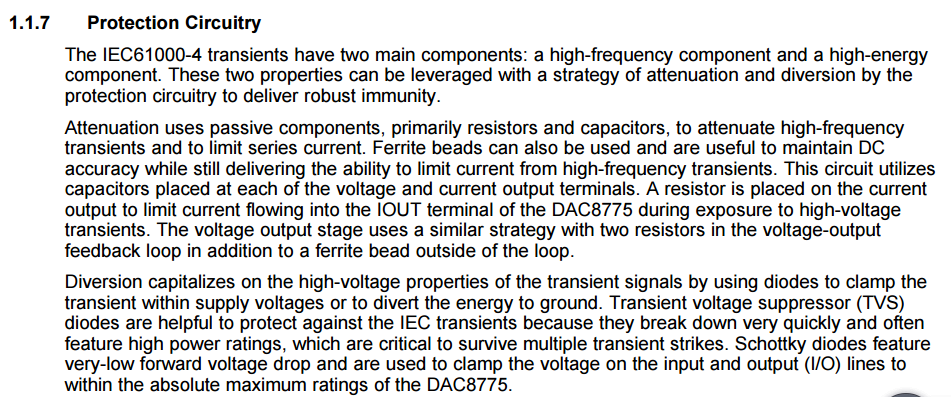


磁珠FB1和FB2负责抑制EMI；

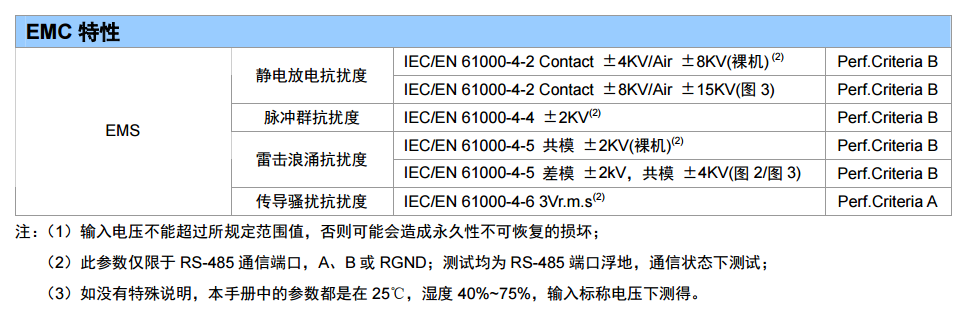
1. TI工业级4通道DAC8755输出模块Quad-Channel Industrial Voltage and Current Output Driver Reference Design (EMC/EMI Tested)

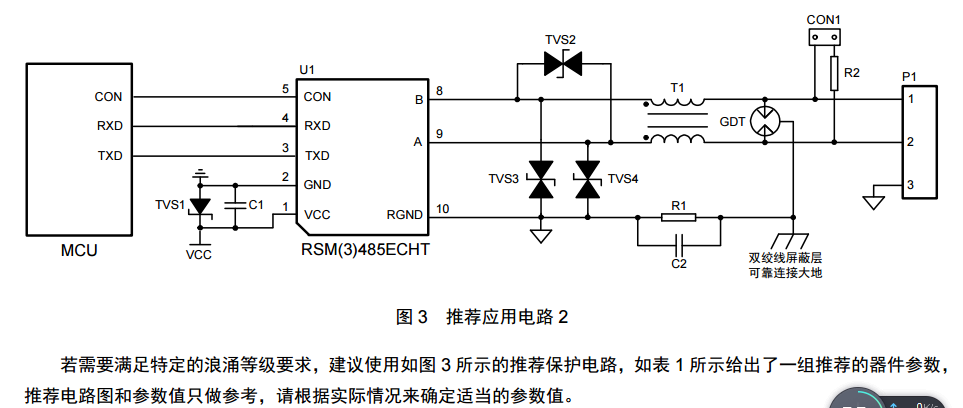


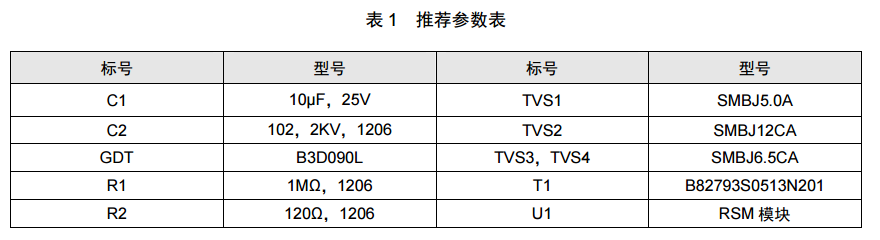


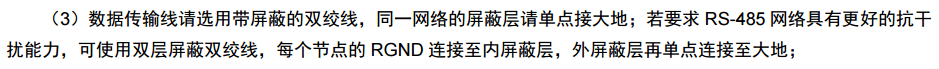


1. 周立功-致远电子485模块

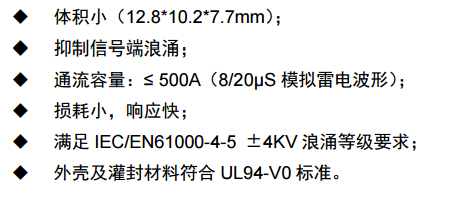




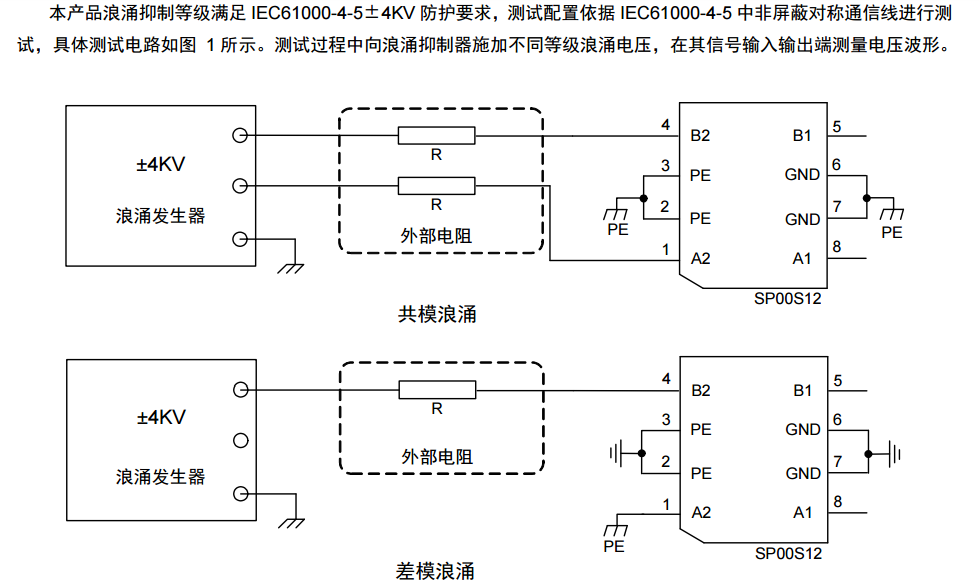


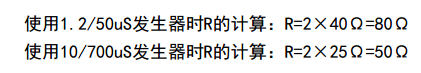


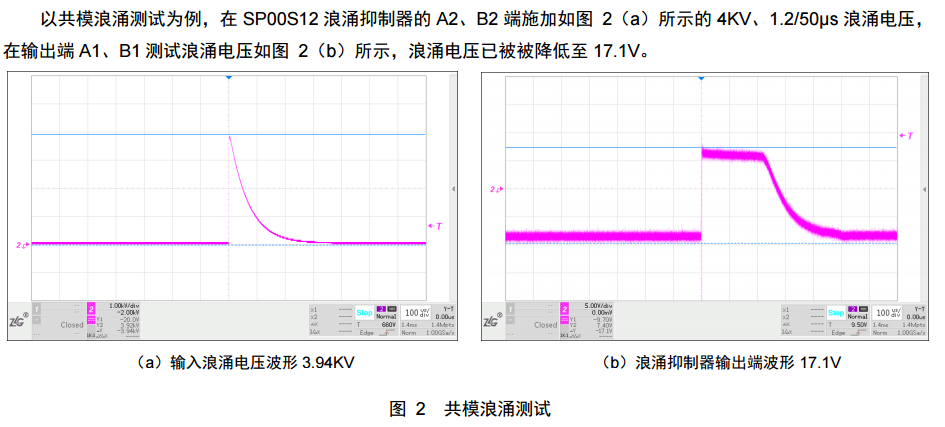
1. 周立功-致远电子信号隔离模块

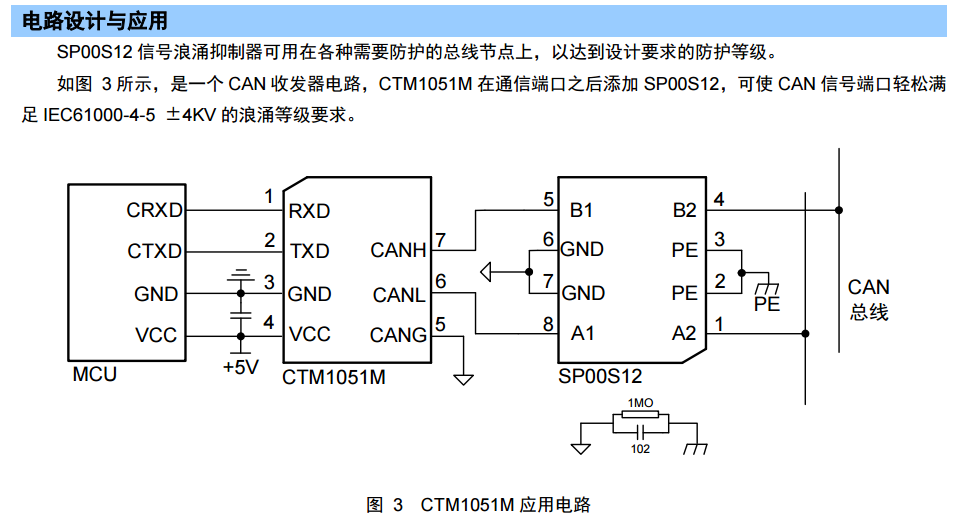








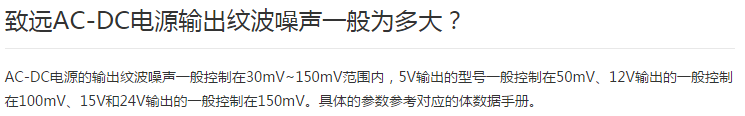




1. 对于老化测试的情况；

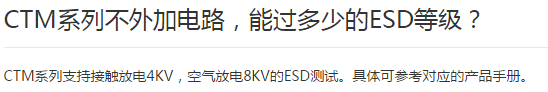
不是全检，每个生产批次进行抽检；

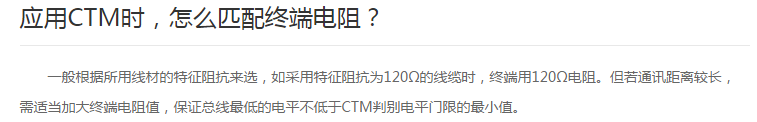
1. 致远电子电源模块；

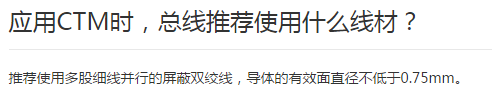


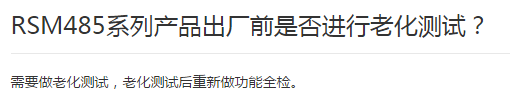




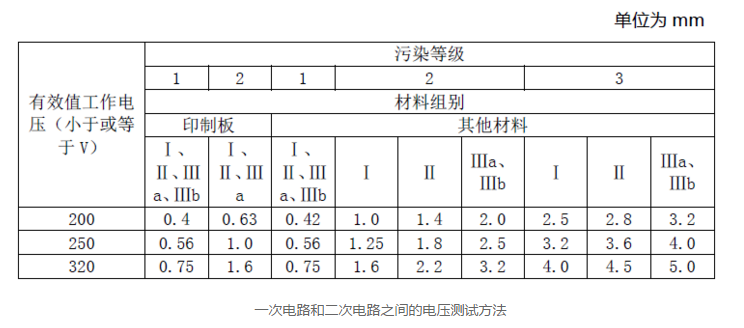


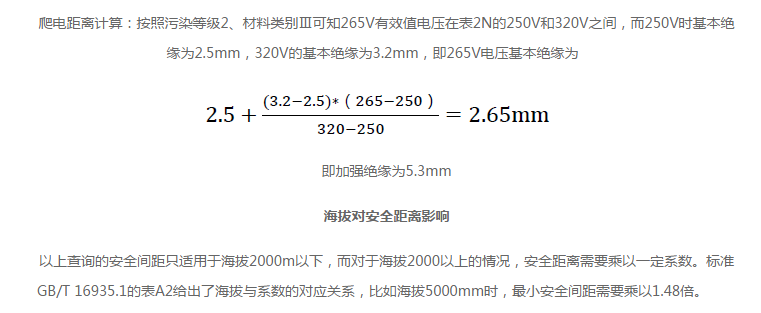






1. 爬电距离

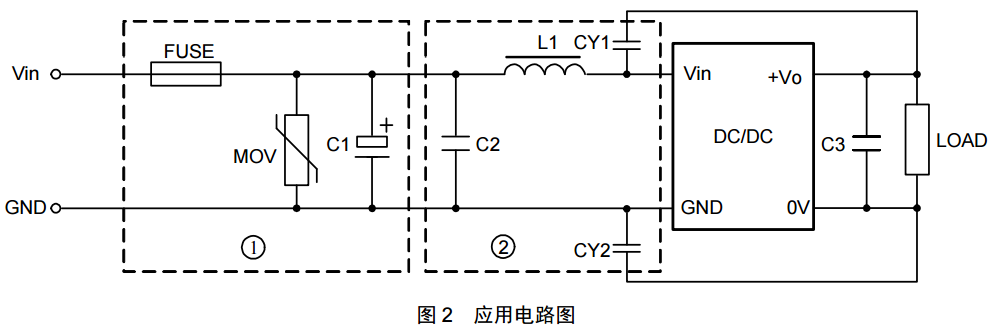


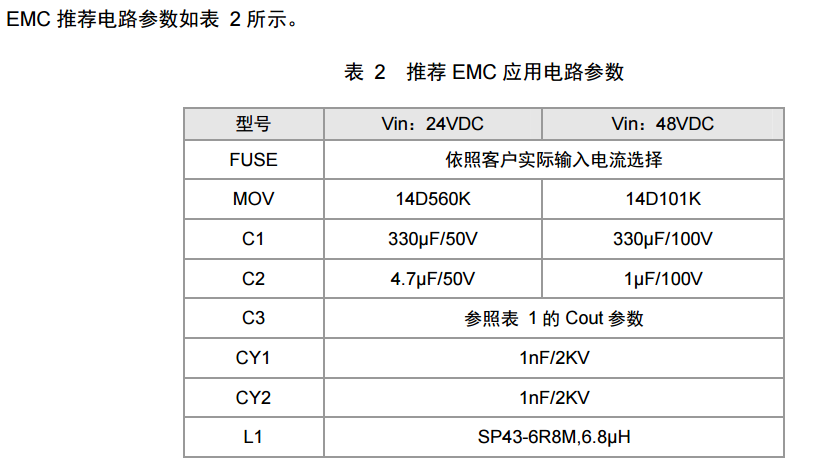


1. 致远电子电源模块-DC/DC

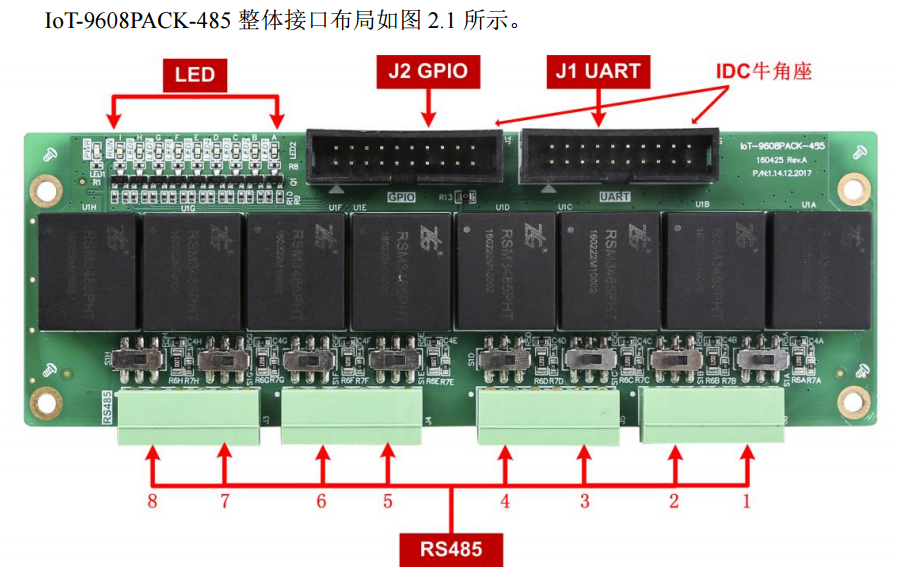






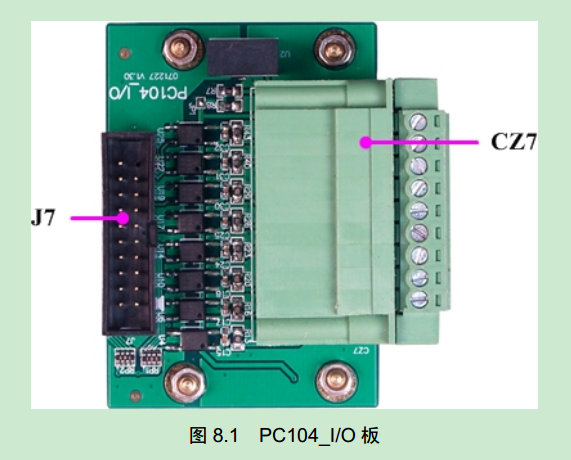


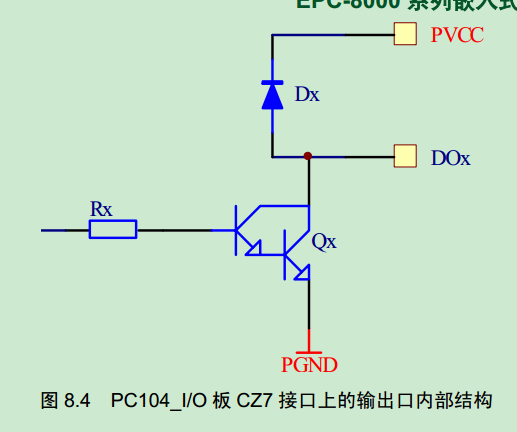
1. 周立功-致远电子485扩展模块EMC性能

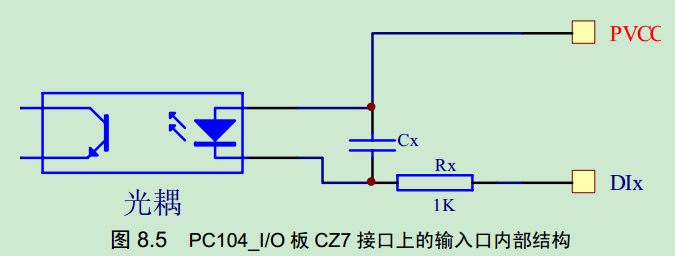




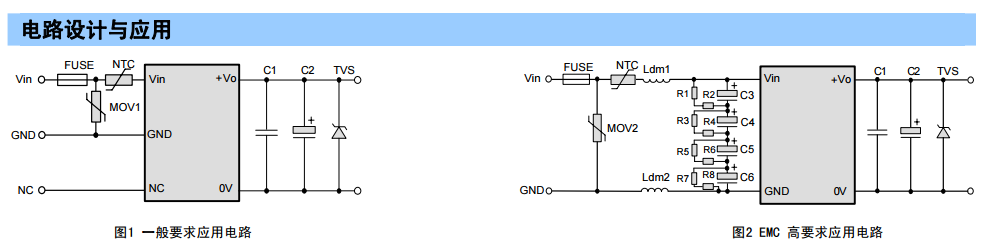
1. 周立功PC104\_IO板

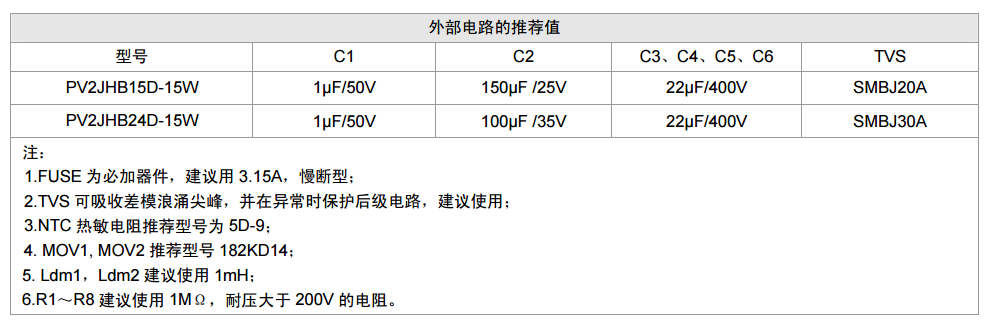




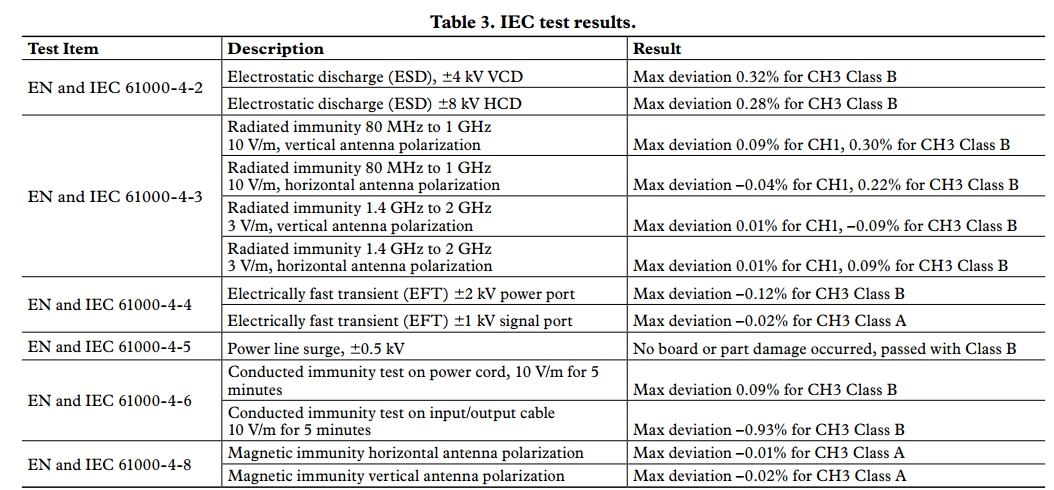


1. 致远电子光伏电源DC/DC模块

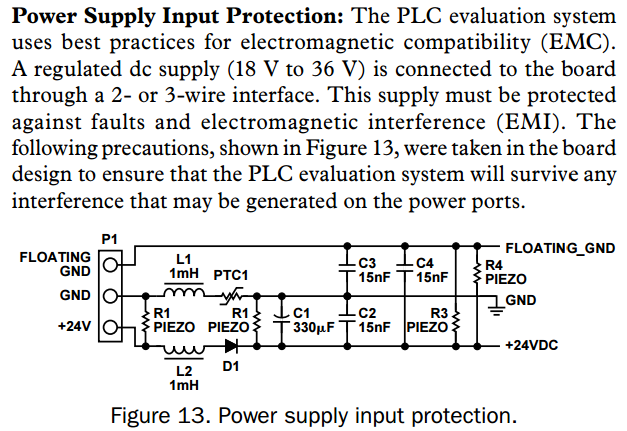


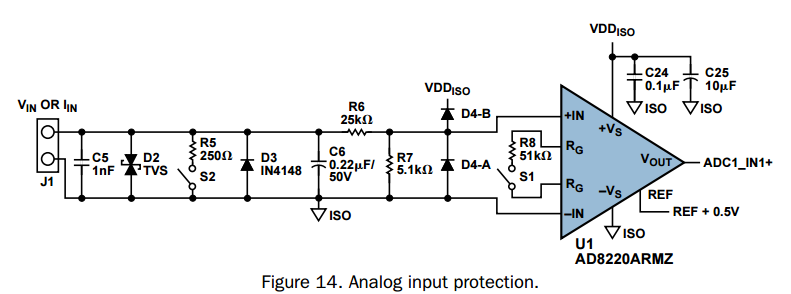


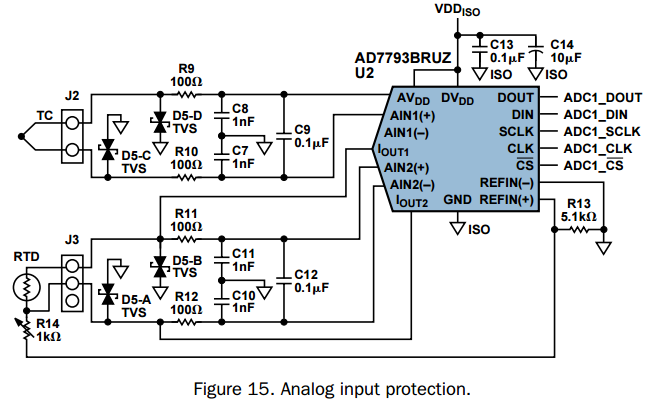


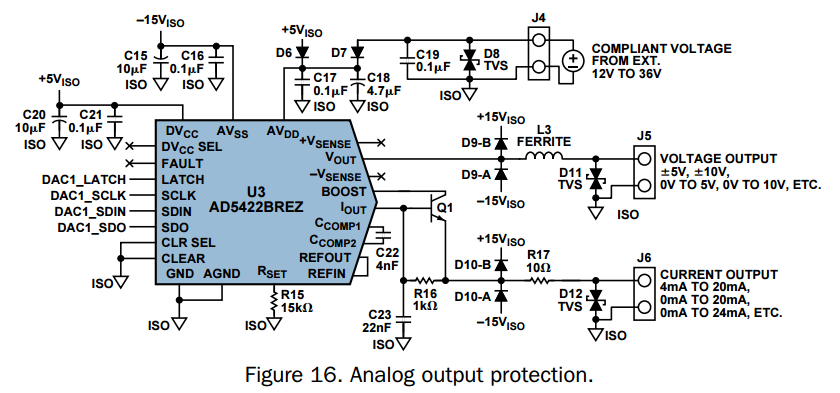


1. Adi plc board 24V 电源入口；

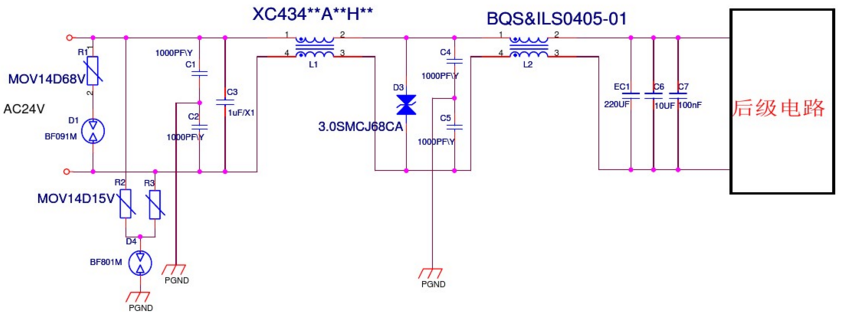






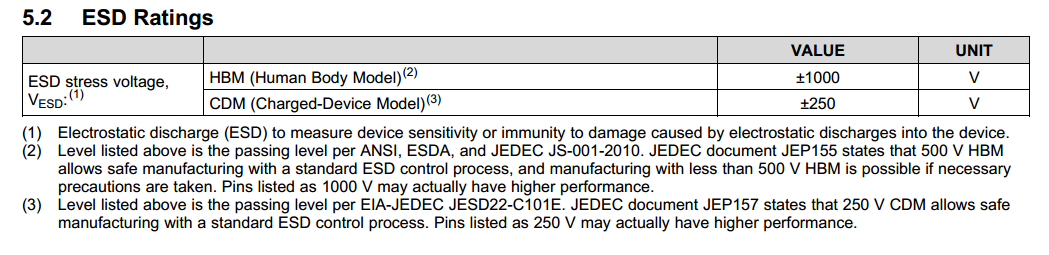


1. 24v AC emc电路参考

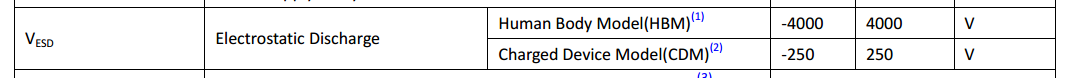


1. 核心CPU静电能力对比；

DM8168



全志R40



全志R16 工程师邮件回复

HBM +-2000V

CBM +-400V

Imb6.ull来自芯片手册

HBM +-2000V

CBM +-500V

1. TBD