

VGA接口

ESD保護方案

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VGA概述

VGA overview

VGA接口是一種D型接口，共有15針孔，分為三排，每排五個。其中，除2根NC (Not Connect)信號、3根顯示數據總線和5個GND信號，較為重要的是3根RGB彩色分量信號及2根掃描同步信號HSYNC和VSYNC針。VGA接口中彩色分量採用RS343電平標準，RS343電平標準的峰值電壓為1V。VGA接口是顯卡上應用最為廣泛的接口類型，多數的顯卡都帶有此種接口。有些無VGA接口而帶有DVI(Digital Visual Interface數字視頻接口)接口的顯卡，也可以通過一個簡單的轉接頭將DVI接口轉成VGA接口。

測試標準

standard test

IEC61000-4-2 (ESD) :15KV (air) ;
8KV (contact)

建议产品

Suggested Products

型號：MSKSRV05-4A
model

封裝：SOT-23-6
Encapsulation

The VGA interface is a D-type interface with a total of 15 pin holes, divided into three rows, five in each row. That

In addition to 2 NC (Not Connect) signals, 3 display data buses and 5 GND signals

The more important ones are 3 RGB color component signals and 2 scan synchronization signals

HSYNC and VSYNC pins. The color component in the

VGA interface adopts the RS343 level standard,

The peak voltage of RS343 level standard is 1V. VGA

interface is the most widely used on graphics card

Most graphics cards have this type of interface.

Some have no VGA interface but with

Graphics card with DVI (Digital Visual Interface)

interface can also communicate with

Over a simple adapter to convert the DVI interface to a VGA interface.

應用框圖

Application block diagram

