



Interface Between CH7004 and 3.3V Device

The following application note is applicable to CH7004.

To connect CH7004 to a VGA Controller, which is a 3.3V device, following circuit needs to be added on I2C control pins. This is due to different operating power supply voltage. Pins SC and SD of CH7004 are connected to serial clock and serial data of a VGA Controller, respectively thru' diodes D3, D4 and D5, such that the bidirection signal SD from CH7004 can be written or read by the controller.

