

## **Circuit Description**

VGA is the distributor will enter the realization of a single VGA signals or VGA display screen into multiple distribution of the same signal to reach the screen or a multi-screen display. VGA splitter is the VGA input signal is divided into three color signals and signal field trip alone signal amplification to enhance the quality of its signal. Integrated operational amplifier to enter the R, G, B zoom, adjust its bandwidth after another output impedance matching to multiple. And then after a field trip to buffer signals, signals in the buffer, to enlarge and improve the quality of the output signal to the multi-channel. As the VGA signal through the amplification, and signal to match the buffer to increase the power and signal quality, so the signal through multiple distribution without signal attenuation and maintain the quality of the original show. As a result of the MCU circuits which uses the osc is 12MHz, and used in the characteristics of whole circuit to provide positive and negative power supply voltage required to meet the normal work of the MCU. Machines used metal shell material to ensure that work can be effective to external signal interference shielding.