

Description of Circuitry

CRT monitor circuit is make up of three parts. One is disposal of video signal. Another is power supply. The third is micro controller for controlling deflection loop.

Disposal of video signal circuit: when the R,G,B signal that is outputted by computer, it pass through the signal cable to monitor video board. After signal pass through the horizontal matching circuit ,it is preparatory disposed in the preamplifier IC NT6812. then the IC LM2476 magnify it so as to drive electron gun.

Power supply circuit: when AC voltage enters into the monitor ,it is commuted and filtered by on-off transformer so as to supply power for all circuit loop.

Micro controller circuit: this monitor circuit adopts demic IC SAA4848 that sum the MCU and deflection circuit. H_sync and V_sync is processed by MCU when it is get into this part.MCU control H_sync circuit and V_sync circuit ,so as to supply enough strong current for CRT H_DY and V_DY. In addition, the X-ray protection circuit provides a voltage detector with a precise threshold. If the voltage exceeds this threshold for a certain time, an internal latch switches the whole IC into protection mode. H_driver and B_driver will be disabled .

For more detail information,please refer to correlation block diagram.

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