

Technical description

About power supplier board , Input :AC100-240V50/60Hz , then use Rectifiers to commutate, then supply the PWMIC circuit ,the transformer export 12V ,5V, The 5V feed back optical coupler to produce protecting function , and the 12V supply the inverter.

And for mainboard, DC 12V input is from power supply board 's output ,then use U7 DC-DC ACT4060 to transfer to 5V then transfer to 3.3V and supply U3 TSUM56AK. And Y1 14.31818MHz is the crystal oscillation for the U3,and U3 deal with the signal from VGA and DVI port then export to LCD panel to display. And PC-audio port can input audio signal and send to amplifier IC SW2496D and send to Speaker .