

Operation of description

1. **POWER:** External input DC 12V , pass through DCDC IC ATC4060 get voltage down to DC5V DC3.3V, in order to satisfy each IC working demand, voltage go up to -10V. +15V show on TFT. DC 5V pass through AP3127 go up to +10V to drive the screen background light.
2. 130201DVD master control unit MCU RTD2120 order can be input by KEY and IR.
3. DVD signal flow: DVD digital information record in DVD or CD. AM5888 controlled by MT13879 to drive DVD or CD rotate, and at the same time drive pickup head to move up and down, left and right to read the digital information in the disc. Then pickup head transfer the information to MT1389 which have another USB and CARD read port can read the information on USB and CARD, (MT1389's work which is controlled by RTD2120 need external equip with 8M serial Flash and 64M DRAM). MT1389 decoding the digital information which is read by pickup head, and distinguish audio from video frequency, after transform by D/A then output simulate R/L audio frequency and Y/C video frequency signal: R/L audio frequency output after amplified by C4558 and TAD2822, Y/C video frequency enter into TW8827 and transform to digital signal displayed on TFT screen
4. TV and AV1, AV2 input: audio frequency and video frequency input by TV and AV1, AV2 separately transform by CD4052 then send to TDA2822 and TW8827.
5. Audio frequency transmission: The audio frequency of DVD, TV, AV1, AV2 which is controlled by RTD2120 can transmit out by FMGFT808 and SST-A/B-706's infrared module.