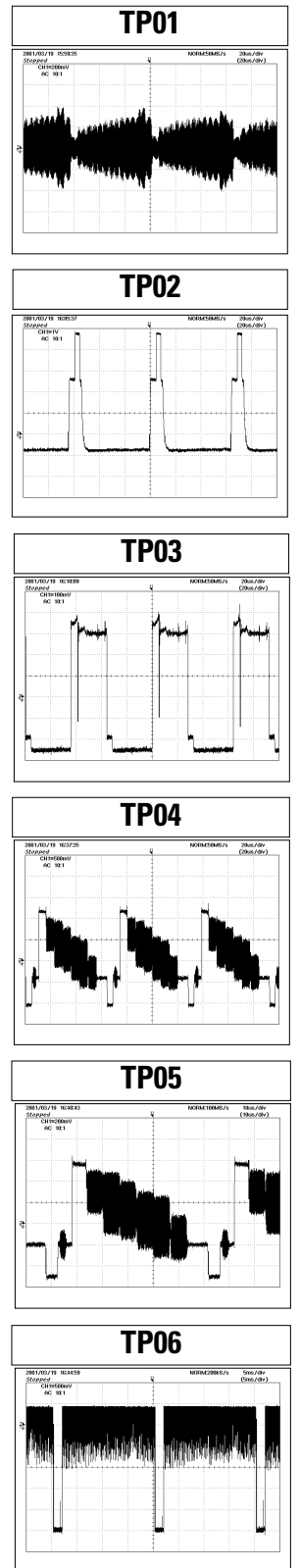
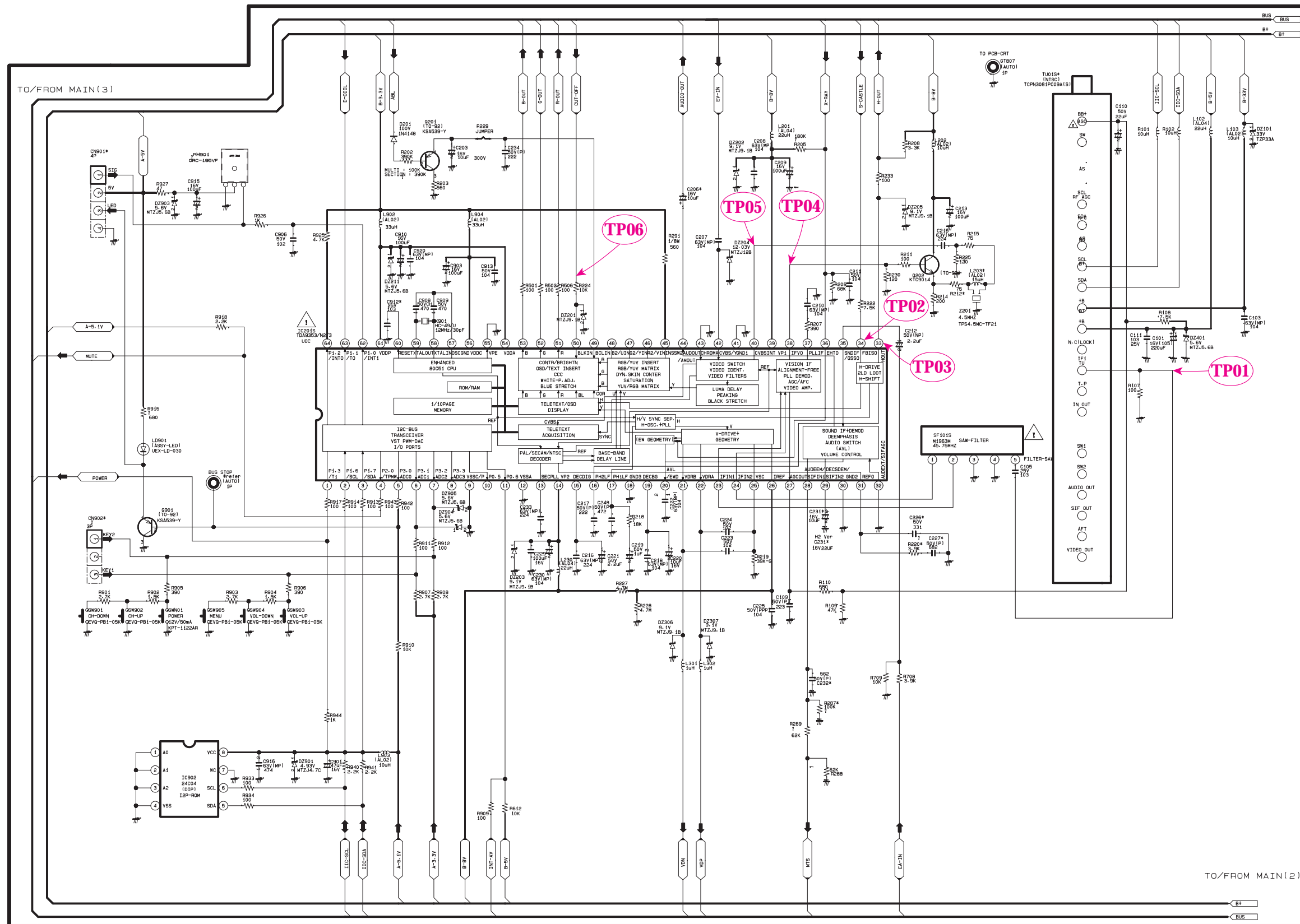


The diagram illustrates the internal components and signal flow of the KA5Q0740RT (KA5Q0765RT) TV receiver. The central component is the IC-MCU SPM-458AN, which coordinates the system. Key components and their connections include:

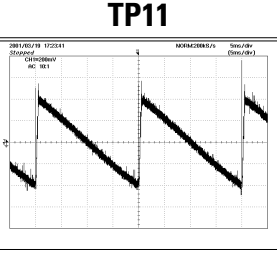
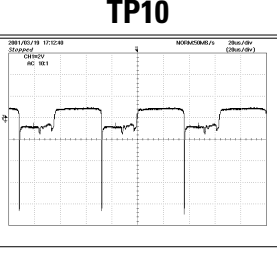
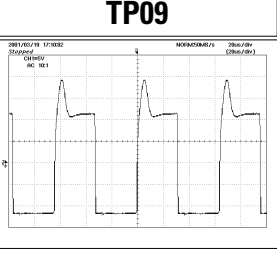
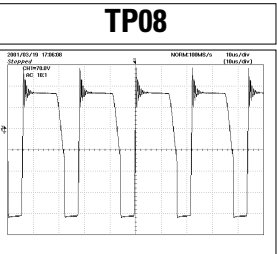
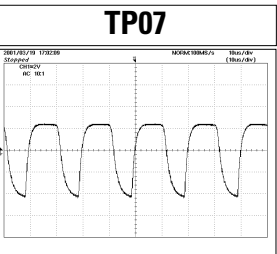
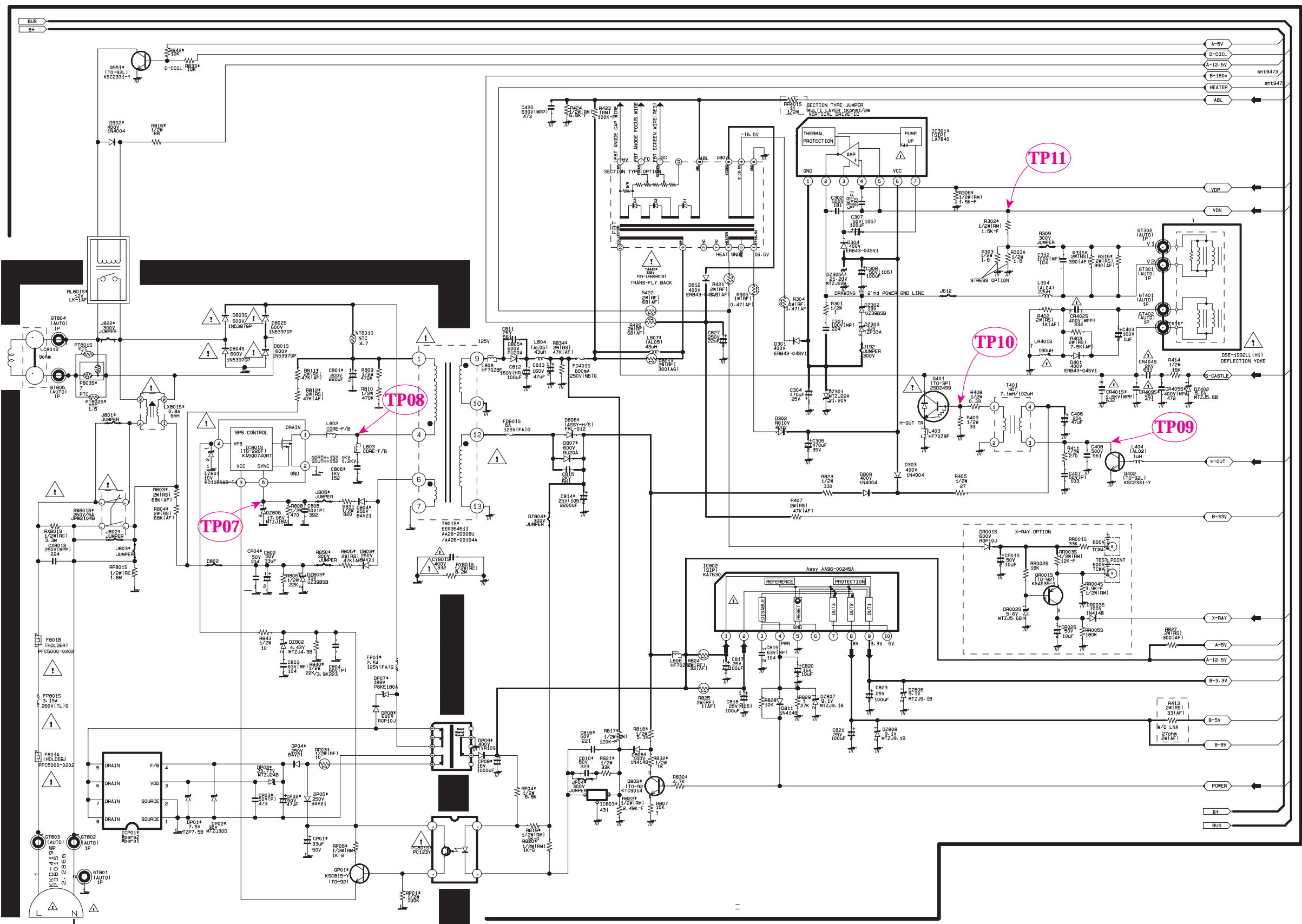
- TUNER -F/S TECC1040PG32A(38A)**: Connected to the MCU via I2C (pins 23, 24) and provides video output (pin 21/22) to the **VERTICAL AMP LA7840**.
- VIF SAW M1864M**: Provides video output (pin 21/22) to the **VERTICAL AMP LA7840**.
- IC-MCU SPM-458AN**: The central microcontroller, connected to various components via I2C (pins 2-3, 23, 24) and other pins (12, 28, 33, 42, 44, 50-53).
- E2PROM 24C04**: Connected to the MCU via I2C (pins 2-3, 23, 24).
- H-OUT TR KSC 5386**: Receives video output from the MCU (pin 33) and provides video output (pin 44) to the **AV INPUT**.
- AV INPUT**: Provides video input (pin 44) to the MCU and audio input (pins 38, 39) to the **(STEREO) SOUND PROCESSOR UPD1851B**.
- (STEREO) SOUND PROCESSOR UPD1851B**: Processes audio signals and outputs **R/L OUT (24, 25) STEREO** to the **AUDIO AMP TDA7266M/S** and **MONO** to the **VERTICAL AMP LA7840**.
- VERTICAL AMP LA7840**: Amplifies video signals and outputs to the **CRT**.
- RGB AMP TDA6107Q**: Amplifies RGB signals and outputs to the **CRT**.
- AUDIO AMP TDA7266M/S**: Amplifies audio signals and outputs to the **8R * 1EA** and **8R * 2EA** speakers.
- FBT FSV-14A004C**: Provides power output (180V TO CRT, ±16.5V TO Ver. AMP, Heat TO CRT) and receives power from the **AC** source.
- MULTI REGULATOR KA7632**: Provides power output (3.3V TO MCU, 5V TO TUNER, 8V TO MCU, 13V TO SOUND AMP) and receives power from the **AC** source.

10. Schematic Diagrams

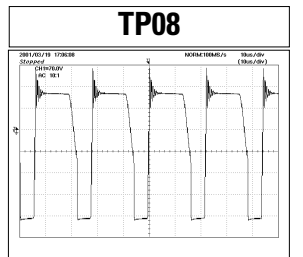
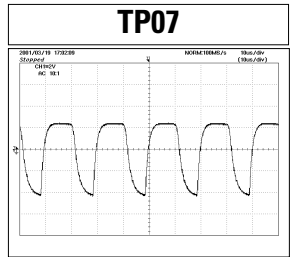
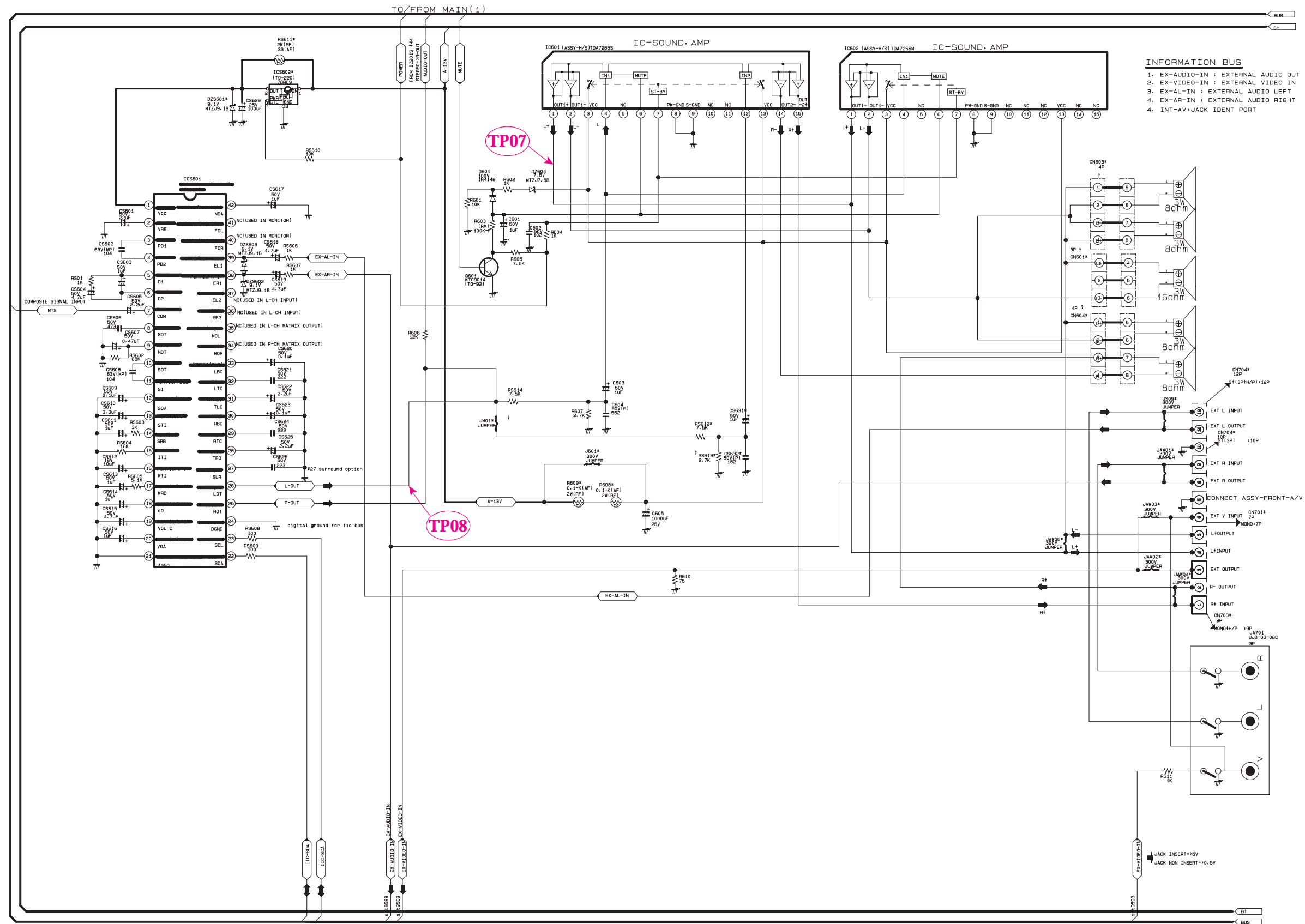
10-1 MAIN (1/4)



10-2 MAIN (2/4)



10-3 MAIN (3/4)



 : Power Line
 : Signal Line

