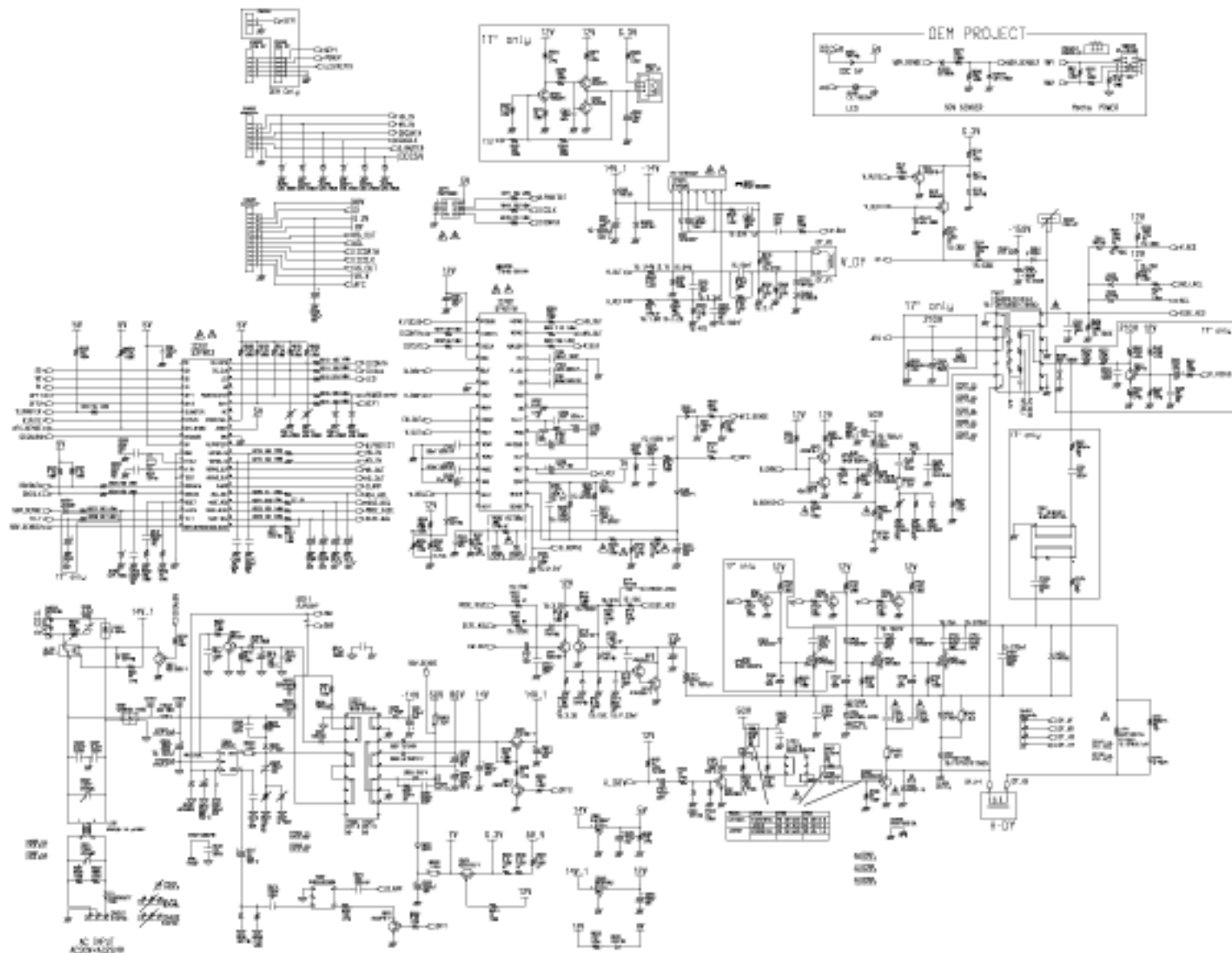


9 Schematic Diagrams

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9-1 KSC15VS / KSC17LS Main Schematic Diagram

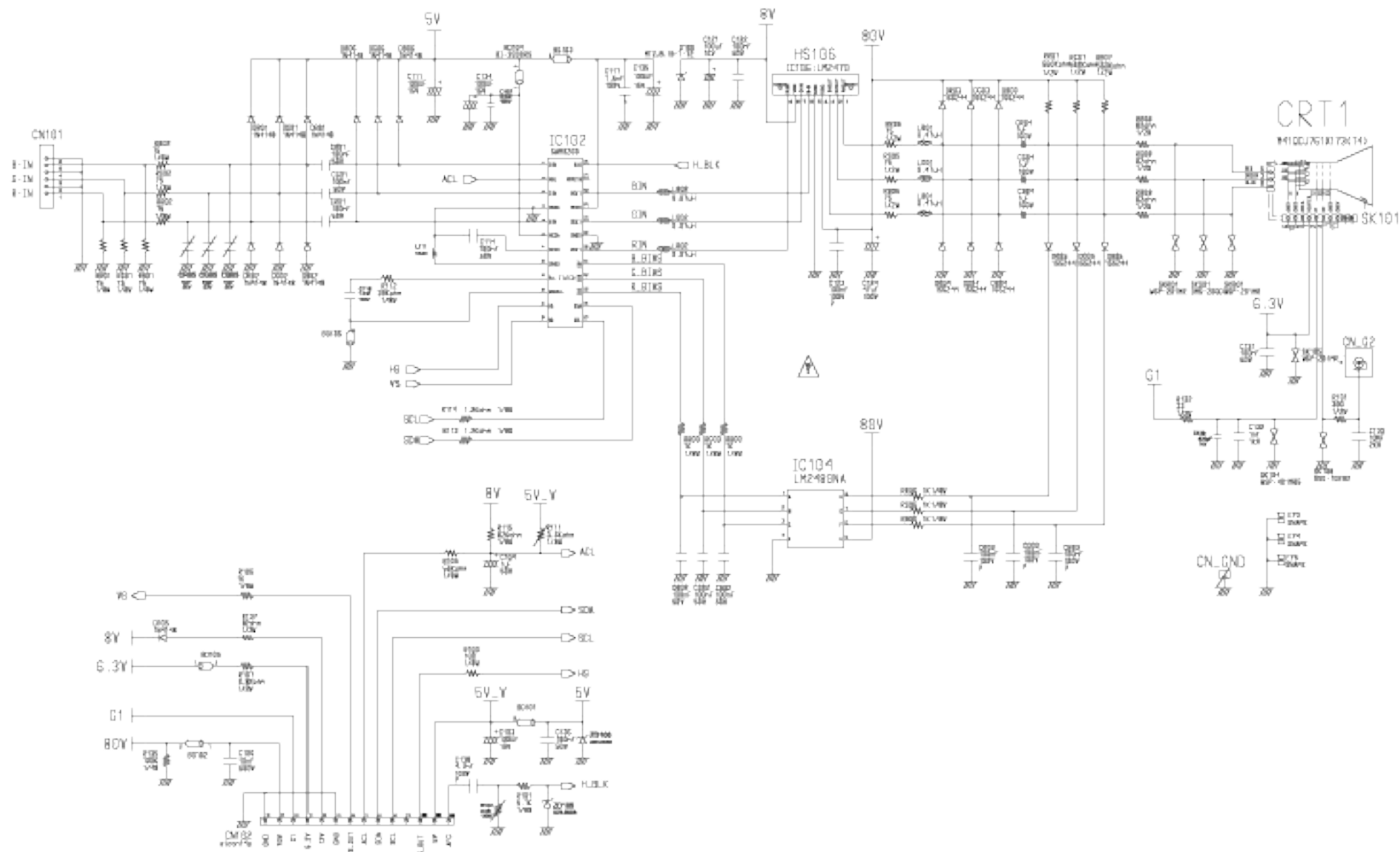


The schematic diagram illustrates the internal circuitry of a video card, showing the connection between various components and the CRT display. Key sections and components include:

- Power Supply Section:** Features three 5V_V power sources at the top left, an 8V source, and an 80V source at the top right. A 5.3V source is located at the bottom left. A 6.3V source is connected to the CRT section.
- Video Controller Section:** The central part of the diagram, featuring a large integrated circuit (likely a video controller) with numerous pins. It is connected to various resistors and capacitors, including a 10k resistor and a 100nF capacitor. Labels like R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R40, R41, R42, R43, R44, R45, R46, R47, R48, R49, R50, R51, R52, R53, R54, R55, R56, R57, R58, R59, R60, R61, R62, R63, R64, R65, R66, R67, R68, R69, R70, R71, R72, R73, R74, R75, R76, R77, R78, R79, R80, R81, R82, R83, R84, R85, R86, R87, R88, R89, R90, R91, R92, R93, R94, R95, R96, R97, R98, R99, R100 are used to identify specific resistors.
- Memory Section:** Located in the middle right, featuring a 64Kbit memory chip (likely a video memory) connected to the video controller. It is also connected to various resistors and capacitors.
- CRT Interface Section:** The rightmost part of the diagram, showing the connection to the CRT display. It includes a 6.3V source, a 10k resistor, and a 100nF capacitor. Labels like B1, B2, B3, B4, B5, B6, B7, B8, B9, B10, B11, B12, B13, B14, B15, B16, B17, B18, B19, B20, B21, B22, B23, B24, B25, B26, B27, B28, B29, B30, B31, B32, B33, B34, B35, B36, B37, B38, B39, B40, B41, B42, B43, B44, B45, B46, B47, B48, B49, B50, B51, B52, B53, B54, B55, B56, B57, B58, B59, B60, B61, B62, B63, B64, B65, B66, B67, B68, B69, B70, B71, B72, B73, B74, B75, B76, B77, B78, B79, B80, B81, B82, B83, B84, B85, B86, B87, B88, B89, B90, B91, B92, B93, B94, B95, B96, B97, B98, B99, B100 are used to identify specific components.

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9-3 KSC17LS Video Schematic Diagram



Memo