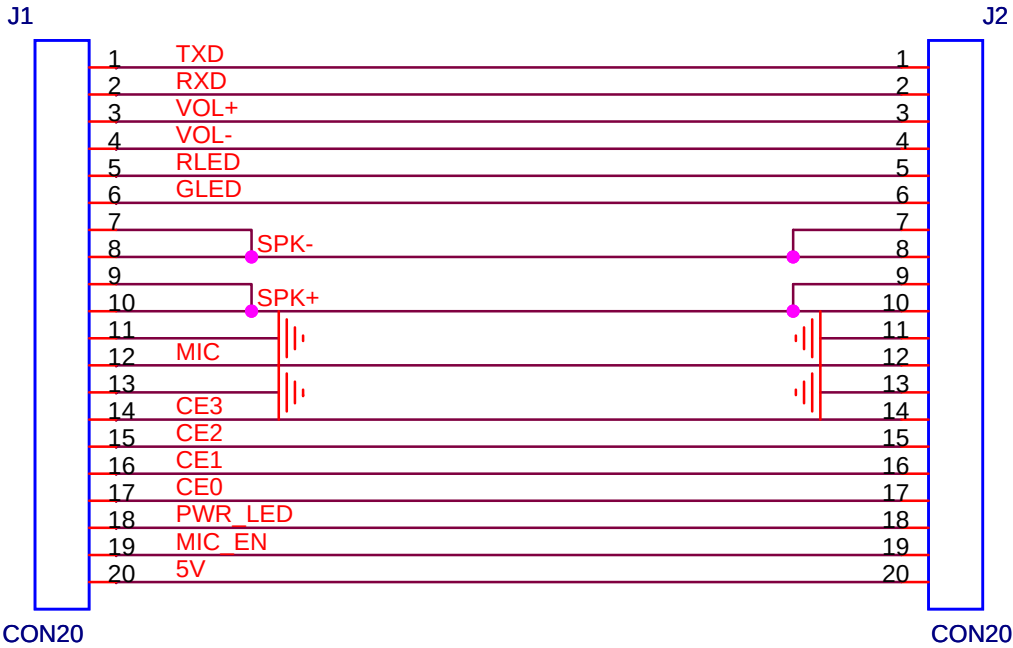
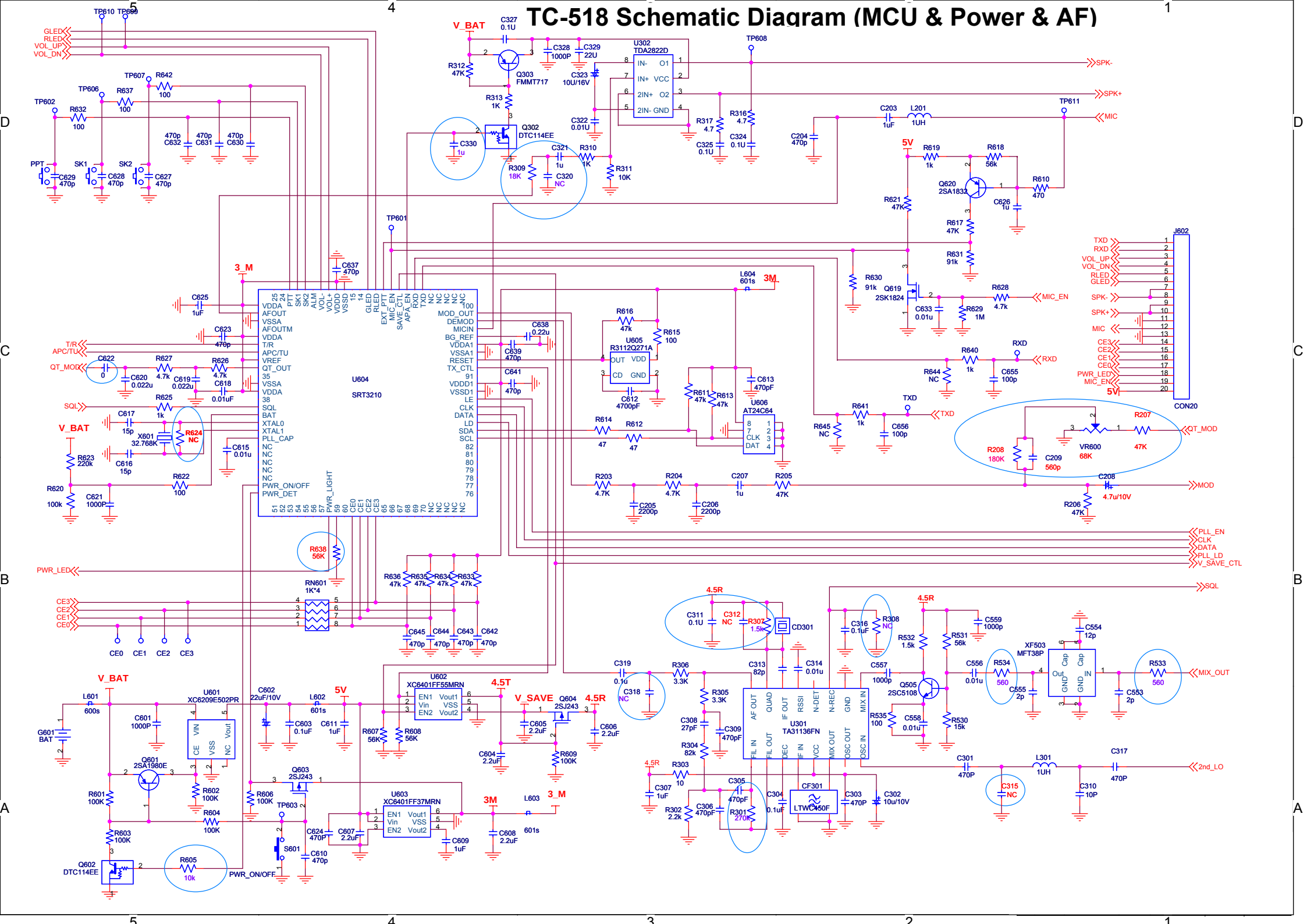


TC-518 Schematic Diagram (FPC)

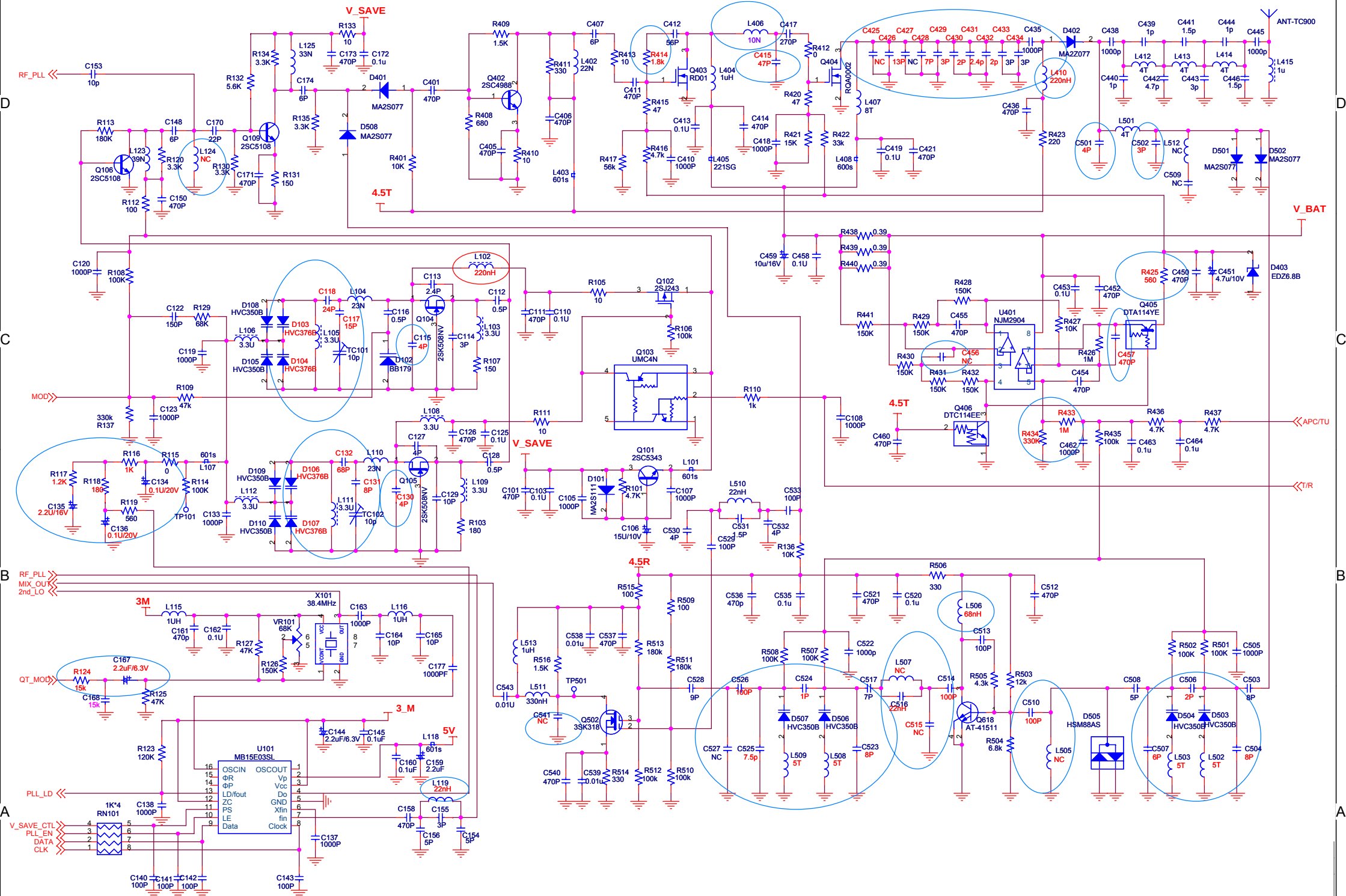


The schematic diagram illustrates the internal circuitry of the TC-518, organized into three main functional blocks: MCU, Power, and AF (Audio Frequency).

- MCU (Microcontroller Unit):** The central component is the SRT3210 (U604). It is interfaced with various external components including resistors (R601-R610, R612-R615, R617-R620, R622-R625, R627-R630, R632-R635, R637-R640, R642-R645, R647-R650, R652-R655, R657-R660, R662-R665, R667-R670, R672-R675, R677-R680, R682-R685, R687-R690, R692-R695, R697-R700, R702-R705, R707-R710, R712-R715, R717-R720, R722-R725, R727-R730, R732-R735, R737-R740, R742-R745, R747-R750, R752-R755, R757-R760, R762-R765, R767-R770, R772-R775, R777-R780, R782-R785, R787-R790, R792-R795, R797-R800, R802-R805, R807-R810, R812-R815, R817-R820, R822-R825, R827-R830, R832-R835, R837-R840, R842-R845, R847-R850, R852-R855, R857-R860, R862-R865, R867-R870, R872-R875, R877-R880, R882-R885, R887-R890, R892-R895, R897-R900, R902-R905, R907-R910, R912-R915, R917-R920, R922-R925, R927-R930, R932-R935, R937-R940, R942-R945, R947-R950, R952-R955, R957-R960, R962-R965, R967-R970, R972-R975, R977-R980, R982-R985, R987-R990, R992-R995, R997-R1000), capacitors (C601-C610, C612-C615, C617-C620, C622-C625, C627-C630, C632-C635, C637-C640, C642-C645, C647-C650, C652-C655, C657-C660, C662-C665, C667-C670, C672-C675, C677-C680, C682-C685, C687-C690, C692-C695, C697-C700, C702-C705, C707-C710, C712-C715, C717-C720, C722-C725, C727-C730, C732-C735, C737-C740, C742-C745, C747-C750, C752-C755, C757-C760, C762-C765, C767-C770, C772-C775, C777-C780, C782-C785, C787-C790, C792-C795, C797-C800, C802-C805, C807-C810, C812-C815, C817-C820, C822-C825, C827-C830, C832-C835, C837-C840, C842-C845, C847-C850, C852-C855, C857-C860, C862-C865, C867-C870, C872-C875, C877-C880, C882-C885, C887-C890, C892-C895, C897-C900, C902-C905, C907-C910, C912-C915, C917-C920, C922-C925, C927-C930, C932-C935, C937-C940, C942-C945, C947-C950, C952-C955, C957-C960, C962-C965, C967-C970, C972-C975, C977-C980, C982-C985, C987-C990, C992-C995, C997-R1000), and a 3.3M resistor (R601).
- Power:** This section includes the power management ICs, such as the XC6209E502PFR (U601) and the XC6209E502PFR (U602). It also features a 3.3M resistor (R601) and a 3.3M resistor (R601).
- AF (Audio Frequency):** This section includes the audio processing ICs, such as the TA31136FN (U301) and the LTW450F (U302). It also features a 3.3M resistor (R601) and a 3.3M resistor (R601).



TC-518 Schematic Diagram (RF & VCO & PLL)



TC-518 Schematic Diagram (Small Board)

