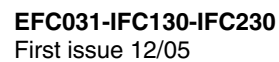
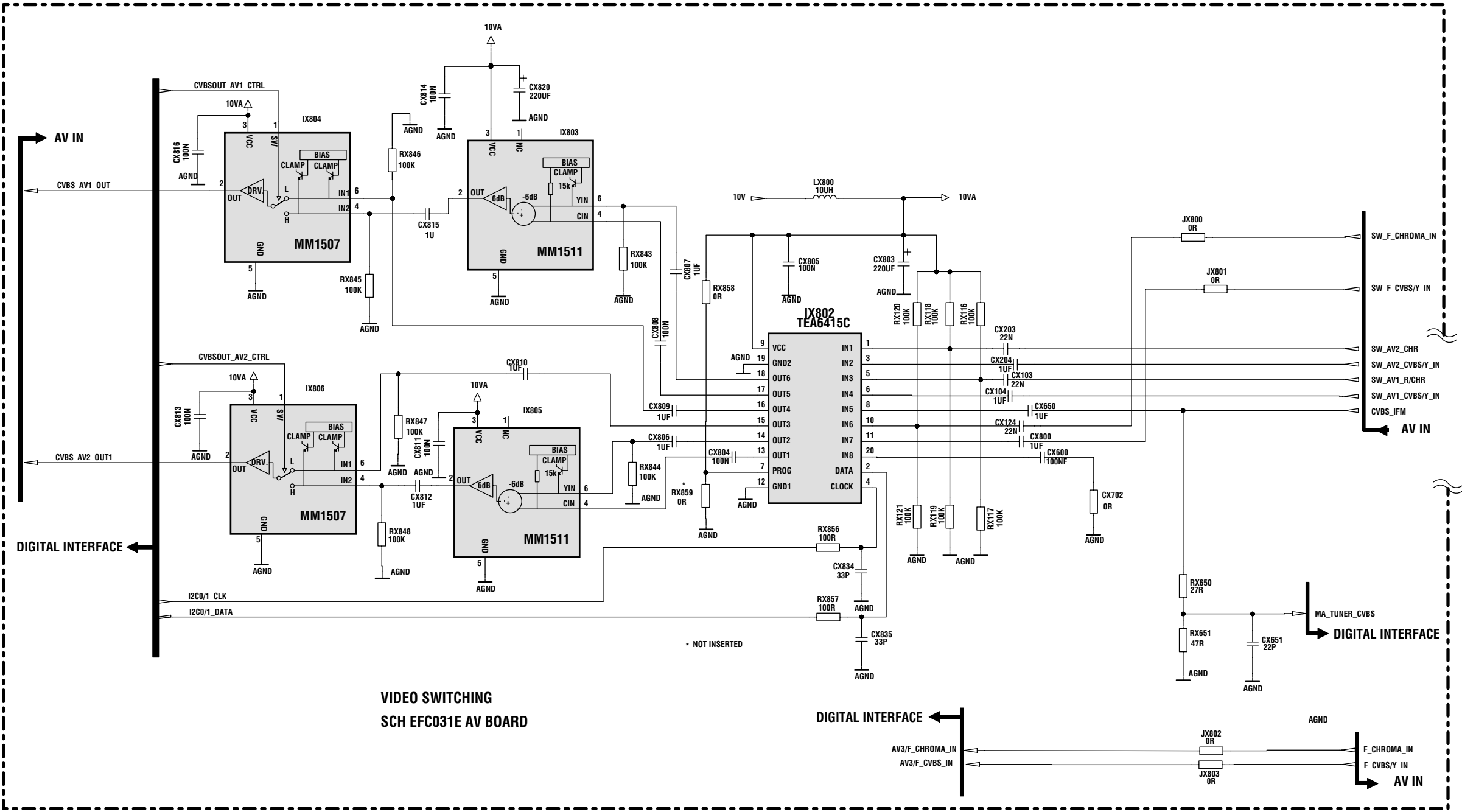


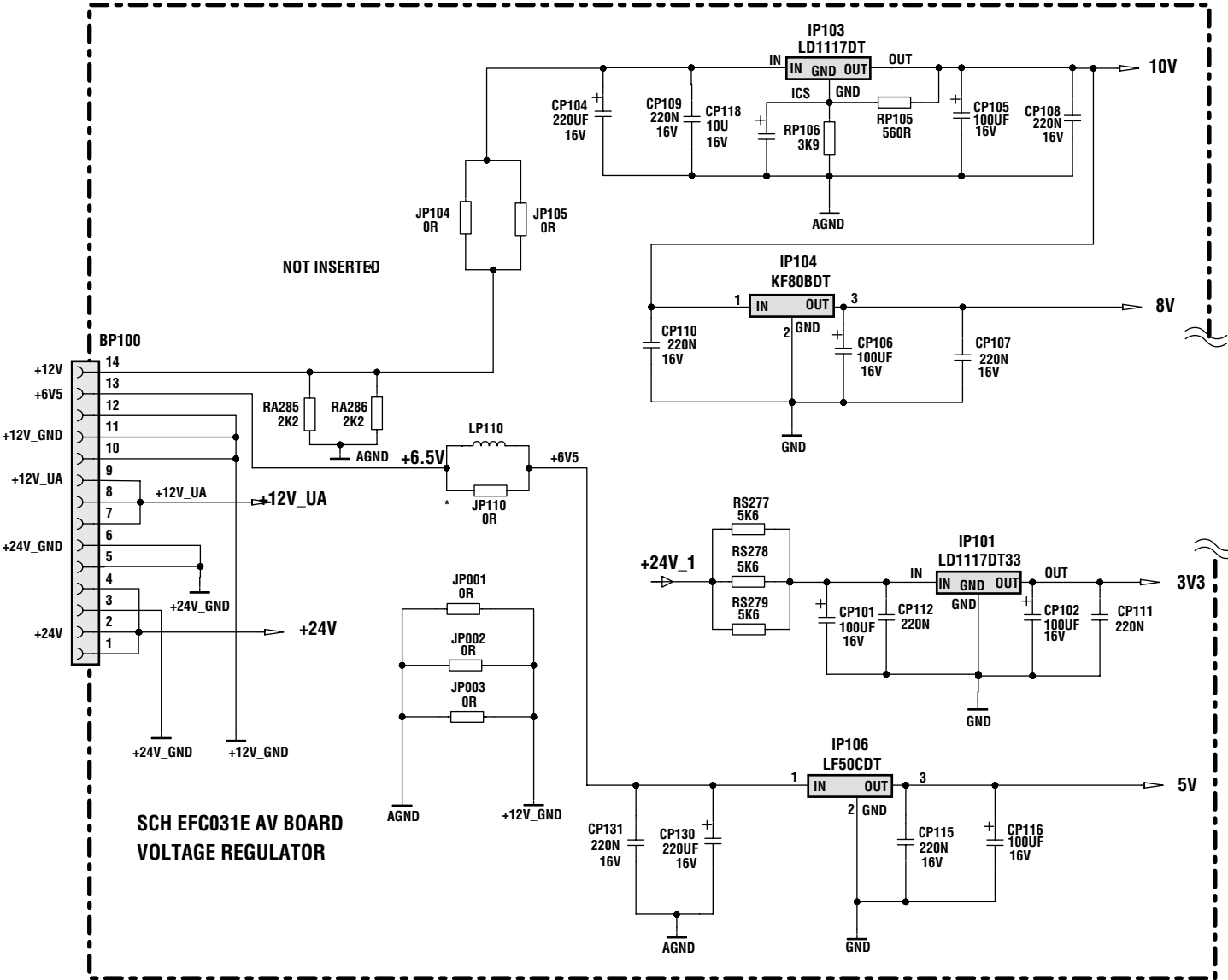
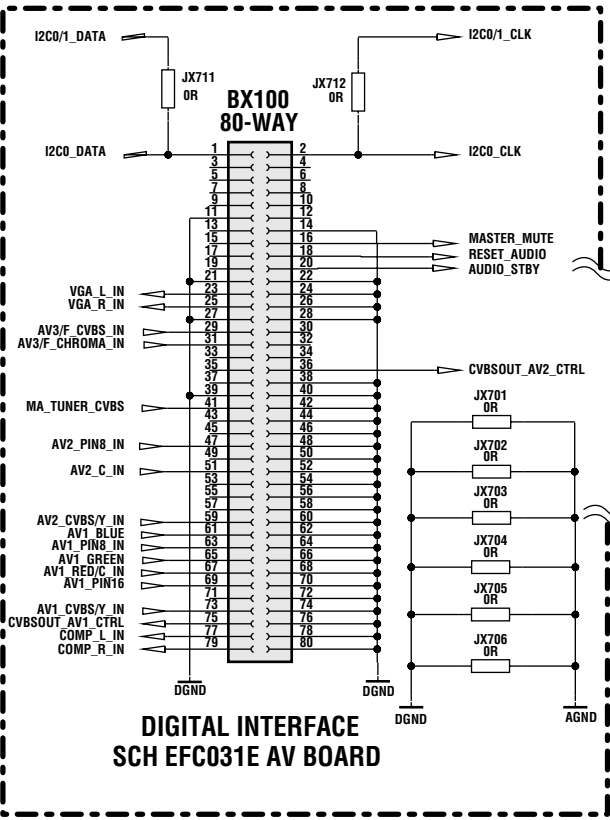
EFC031-IFC130-IFC230
First issue 12/05



MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD HAUPTPLATINE - SCHEMA DELLA PIASTRA PRINCIPALE- ESQUEMA DE LA PLATINA PRINCIPAL



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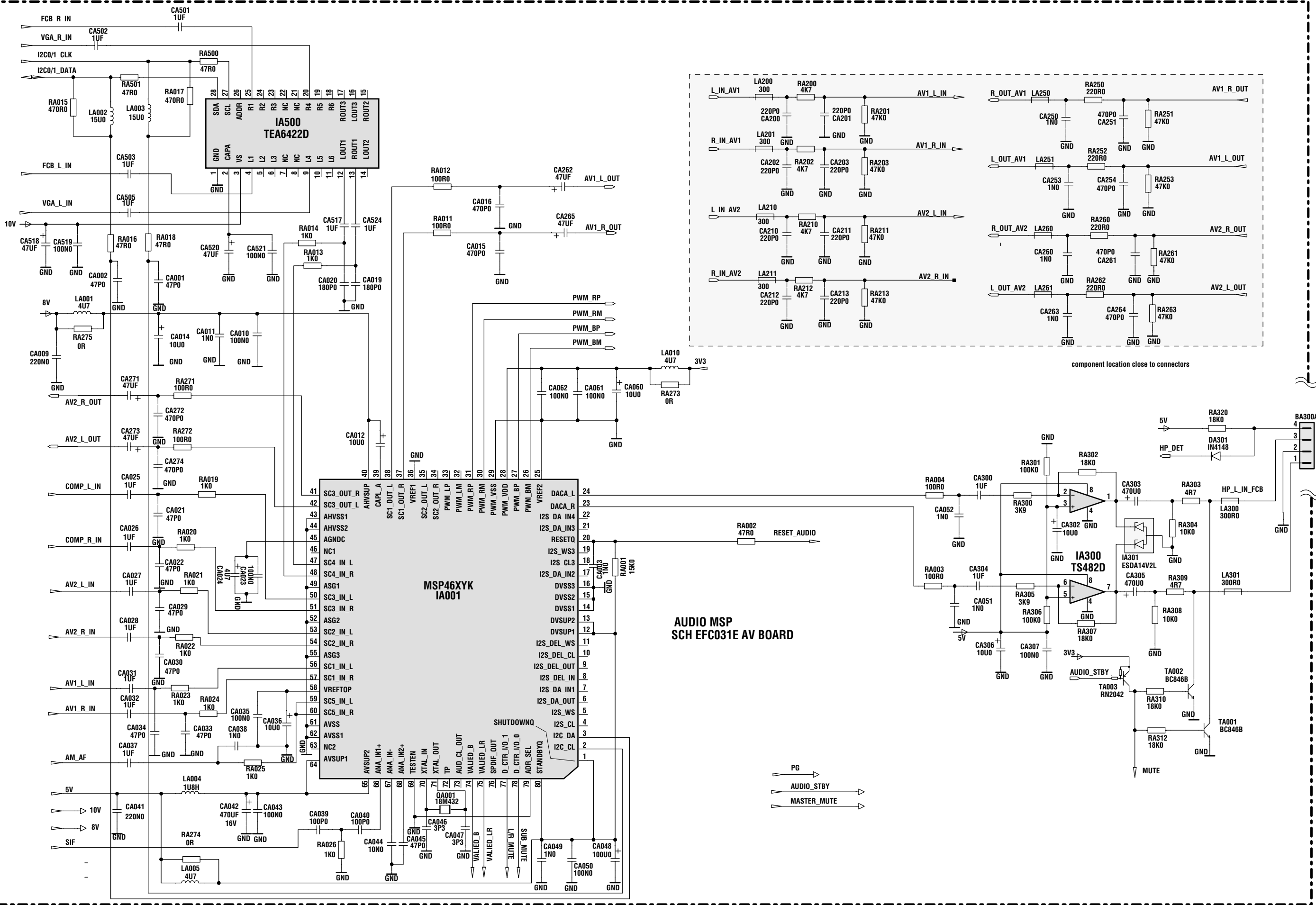


SCH EFC031E AV BOARD AUDIO AMP

The schematic diagram illustrates the internal architecture of the IS200 STA515W audio amplifier IC and its external components. The IC is divided into three main functional blocks: PROTECTION & LOGIC, REGULATORS, and OUTPUT STAGES.

- PROTECTION & LOGIC:** This block includes pins for IN1A, VL, CONFIG, PWRDN, FAULT, TRI-STATE, TH-WAR, and IN1B. It is connected to a 3V3 supply and a +24V_GND. External components include resistors RS214 (1000 OHM), RS235 (100N), RS260 (1K), RS201 (10K), RS220 (0R), CS202 (100N), and diodes DS218 (IN4148), DS216 (IN4148), and DS203 (IN4148).
- REGULATORS:** This block includes pins for VDD2, VDD1, VSS2, VSS1, VCCSIGN2, VCCSIGN1, NC, IN2A, GND-REG, GND-CLEAN, IN2B, and GNDSUB. It is connected to a +24V_GND and a +24V supply. External components include resistors RS202 (47K), RS222 (1K), and transistors TS202 (BC856B), TS203 (RN1402), and TS205 (RN1402).
- OUTPUT STAGES:** This block includes pins for M3, M2, M5, M4, M17, M15, M16, M14, and M13. It is connected to a +24V_GND and a +24V supply. External components include resistors RS208 (10R), RS212 (18R), RS213 (18R), RS229 (10R), RS236 (680P), RS264 (10R), RS209 (10R), RS265 (10R), RS270 (18R), RS269 (18R), RS271 (18R), RS272 (18R), RS273 (18R), RS274 (18R), RS275 (18R), RS276 (18R), RS256 (0R), RS257 (0R), RS258 (0R), RS259 (100N), RS260 (1K), RS261 (100N), RS262 (100N), RS263 (100N), RS264 (10R), RS265 (10R), RS266 (10R), RS267 (0R), RS268 (0R), RS269 (18R), RS270 (18R), RS271 (18R), RS272 (18R), RS273 (18R), RS274 (18R), RS275 (18R), RS276 (18R), RS277 (18R), RS278 (18R), RS279 (18R), RS280 (18R), RS281 (18R), RS282 (18R), RS283 (18R), RS284 (18R), RS285 (18R), RS286 (18R), RS287 (18R), RS288 (18R), RS289 (18R), RS290 (18R), RS291 (18R), RS292 (18R), RS293 (18R), RS294 (18R), RS295 (18R), RS296 (18R), RS297 (18R), RS298 (18R), RS299 (18R), RS300 (18R), RS301 (18R), RS302 (18R), RS303 (18R), RS304 (18R), RS305 (18R), RS306 (18R), RS307 (18R), RS308 (18R), RS309 (18R), RS310 (18R), RS311 (18R), RS312 (18R), RS313 (18R), 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RS622 (18R), RS623 (18R), RS624 (18R), RS625 (18R), RS626 (18R), RS627 (18R),

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MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE

SCHALTBILD HAUPTPLATINE - SCHEMA DELLA PIASTRA PRINCIPALE

ESQUEMA DE LA PLATINA PRINCIPAL

