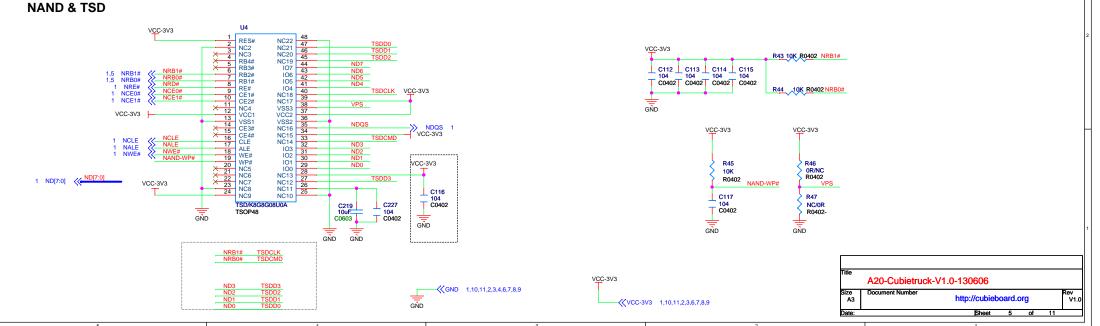
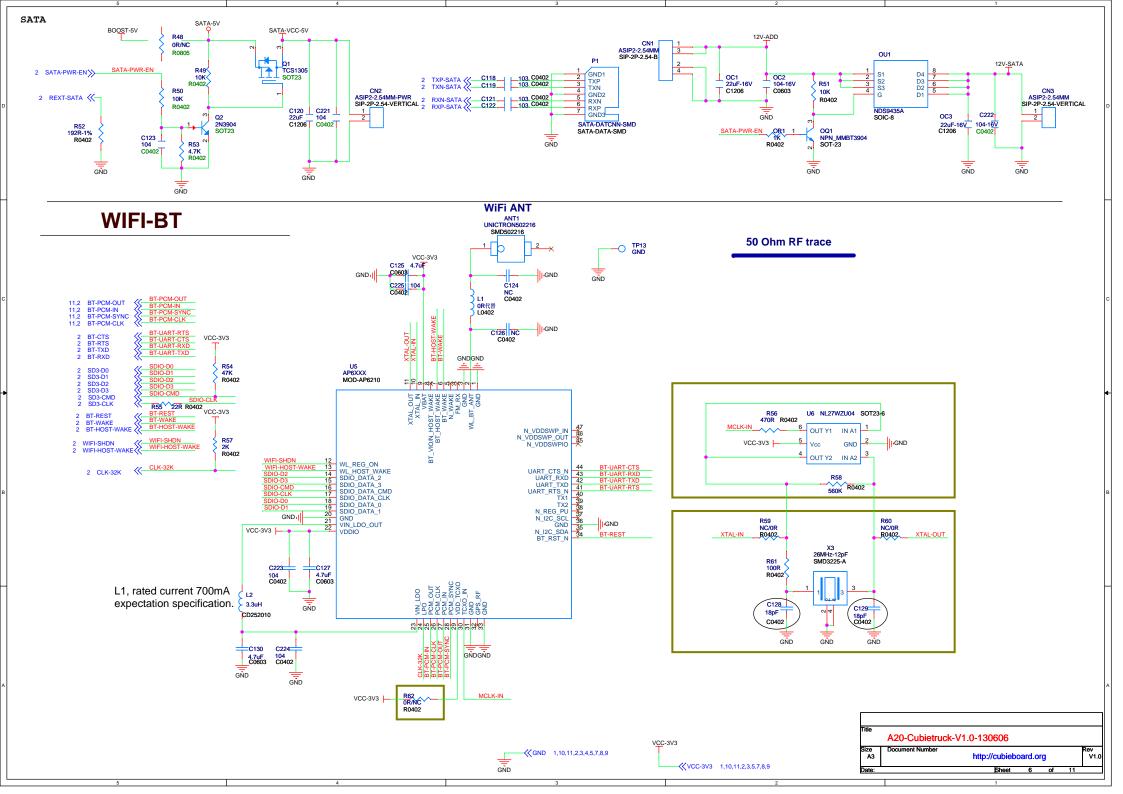


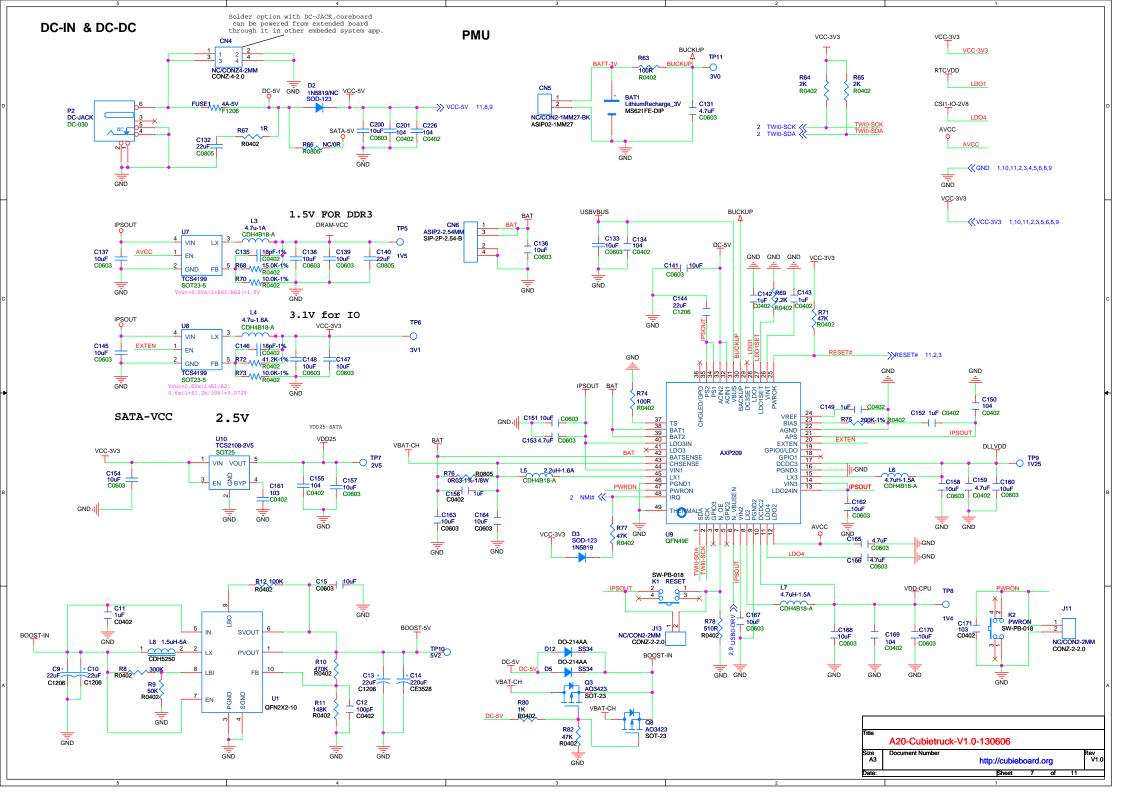


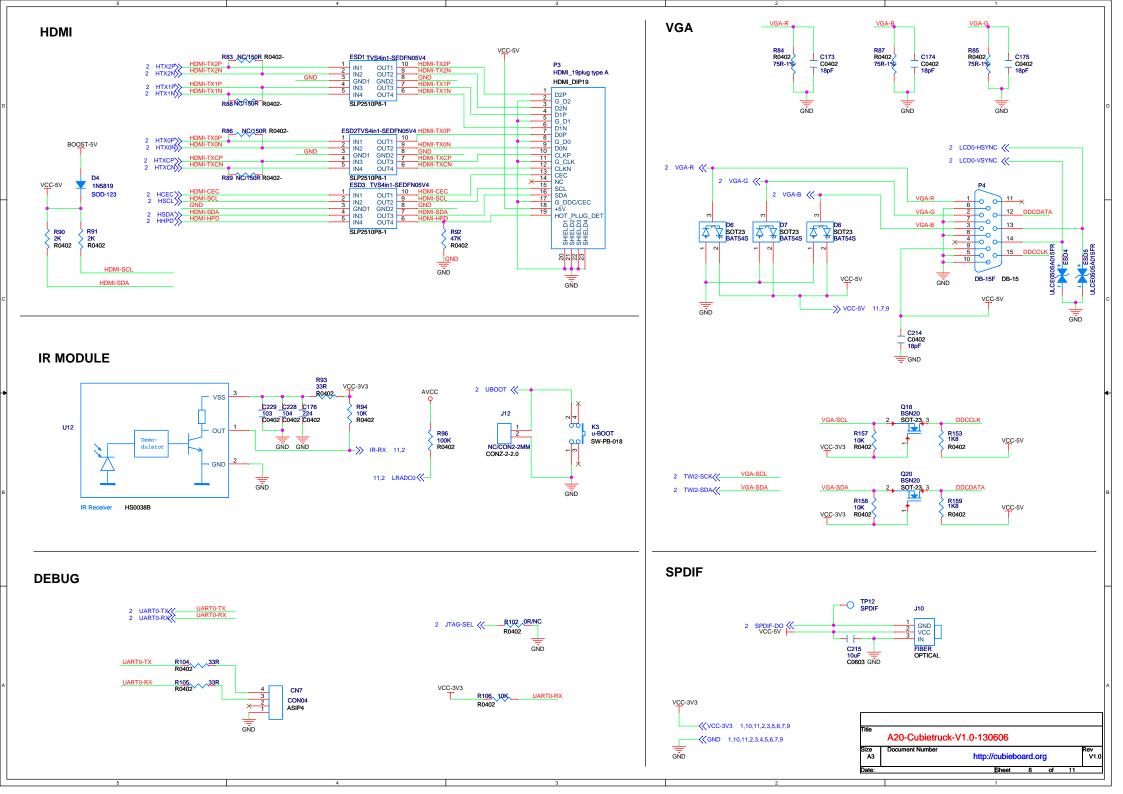
DDR3 8bit x 4pcs Differential pairs Equilong BUS Z0= 100 ohm Z0= 50 ohm 1 SA15 K4 L8 L4 K3 L9 L3 M9 M3 N9 A6 A7 A8 DQ0 C8 DQ1 C3 DQ2 C9 DQ3 E4 DQ4 E9 DQ5 D3 DQ6 E8 DQ0 C8 DQ1 C3 DQ2 C9 DQ3 E4 DQ4 E9 DQ5 D3 DQ6 E8 00 K4 11 L8 12 L4 13 K3 14 L9 15 L3 16 M9 17 M3 18 N9 19 M4 11 M8 11 M8 11 M8 11 N8 B4 C8 C3 C9 E4 E9 D3 E8 K4 L8 L4 K3 L9 L3 M9 M3 N9 DQ0 DQ1 DQ2 DQ3 DQ0 DQ1 DQ2 DQ3 A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 A10/AP A0 A1 A2 A3 A4 A5 A6 A7 A8 A9 A10/AP C9 E4 E9 D3 E8 DQ4 DQ5 DQ4 DQ5 DQ6 DQ7 DQ6 DQ7 DQ6 DQ7 DQ6 DQ7 9 M4 10 H8 11 M8 12 K8 13 N4 14 N8 J8 SDQS0# SDQS1# A12/BC# A12/BC# A12/BC# A13 A13 DRAM-VCC DRAM-VCC DRAM-VCC DRAM-VCC VDD A3 VDD D8 VDD G3 VDD G9 VDD K2 VDD K10 VDD W2 VDD W10 VDD A15 DM/TDQS B8 DM/TDQS X A8 NF/TDQS A3 A10 D8 G3 G9 K2 K10 M2 M10 B8 A8 В8 1 SBA[2:0] NF/TDQS NF/TDQS NF/TDQS &C4 &D4 DQS D4 DQS DQS DQS G9 K2 K10 M2 SCAS SRAS SCS0 SCKE0 D4 G2 G2 G2 G2 ODT ODT ODT ODT M10 B10 C2 E3 E10 B10 C2 E3 E10 B10 C2 E3 B10 C2 E3 E10 VDDQ 1R2 OR R0402 DSRST 1 SRSTA < G4 F4 RAS 1R3 22 R0402 1R4 22 R0402 CS cs cs cs 1C11 8pF C0402 F8 G8 F8 G8 F8 G8 DSCK# CKE CKE CKE CKE WE VSS A2
VSS B2
VSS D9
VSS F3
VSS F9
VSS J2
VSS J10
VSS L2
VSS L10
VSS N2
VSS N2 WE WE VSS A9
VSS B2
VSS D9
VSS F3
VSS J10
VSS J10
VSS L2
VSS VSS N2
VSS N10
VSS VSS N10 WE VSS A9
VSS B2
VSS D9
VSS F3
VSS J2
VSS J10
VSS L2
VSS L10
VSS N10
VSS N10 DSRST DSRST SN3 DSRST N3 *N3 N3 VSS VSS VSS VSS VSS VSS RESET RESET E2 F2 E2 VREFDQ J9 J9 J9 J9 VREFCA VREFCA VREFCA H9 H9 H9 VSS VSS 1R6 F2 240R-1% F10 R0402 H2 X A1 X A4 X A11 X F2 X F10 X H2 X H10 × A1 × A11 1R8 A4 NC
240R-1% F2 NC
R0402 F10 NC
H10 NC VSS L2 VSS L10 VSS N2 VSS N10 VSS VSS VSS VSS NC NC NC VSS VSS VSS VSS NC NC NC NC NC NC NC 1R7 1C17 104 1C19 104 1C16 224 240R-1% F2 R0402 F10 H2 H10 1C18 224 1C14 1C15 224 104 N10 1C13 104 C0402 1C12 R5 NC NC NC B3 B9 C10 D2 D10 B3 B9 C10 D2 D10 B3 B9 C10 D2 D10 C0402 C0402 B3 B9 C10 D2 D10 104 C0402 240R-11 R0402 C0402 C0402 C0402 C0402 VSSQ × N1 × N11 X N1 GNDGNDGND GND GNDGND GND GNDGND GNDGNDGND VSSQ VSSQ H5TQ1G83BFR H5TQ1G83BFR H5TQ1G83BFF H5TQ1G83BFR DRAM-VCC DRAM-VCC DRAM-VÇ 1C20 1C21 1C22 1C23 1C24 1C25 1C26 1C27 1C28 1C29 1C30 1C31 1C32 1C33 1C34 1C35 1C36 1R10 1C37 102 224 104 10uF 103 102 224 103 103 102 224 4.7uF 2K-1% ___ 224 R0402 N C0402 C0603 C0402 C0402 C0402 C0402 C0402 DRAM-REF GND GND DRAM-VCC 1C39 104 C0402 N 1C40 103 C0402 1R11 1C38 1R12 1C41 2K-1% R0402 224 C0402 2K-1% R0402 224 C0402 DRAM-VCC 1C47 1C48 1C49 1C50 1C51 1C52 1C53 1C54 1C55 1C56 1C57 1C58 1C59 1C60 1C61 224 | 104 | 103 | 102 | 224 | 1.7uF | 104 | 104 | 103 | 103 | 102 | 102 | 104 | 104 | 1.7uF | 104 | 104 | 103 | 103 | 103 | 102 | 104 | 104 | 104 | 1.7uF | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 1C42 1C43 1C44 1C45 1C46 224 4.7uF 224 224 224 GND C0402 C0402 C0402 C0402 GND ✓ GND 1,10,11,2,3,5,6,7,8,9 A20-Cubietruck-V1.0-130606 GND VCC-3V3 1,10,11,2,3,5,6,7,8,9 Size A3 http://cubieboard.org V1.0

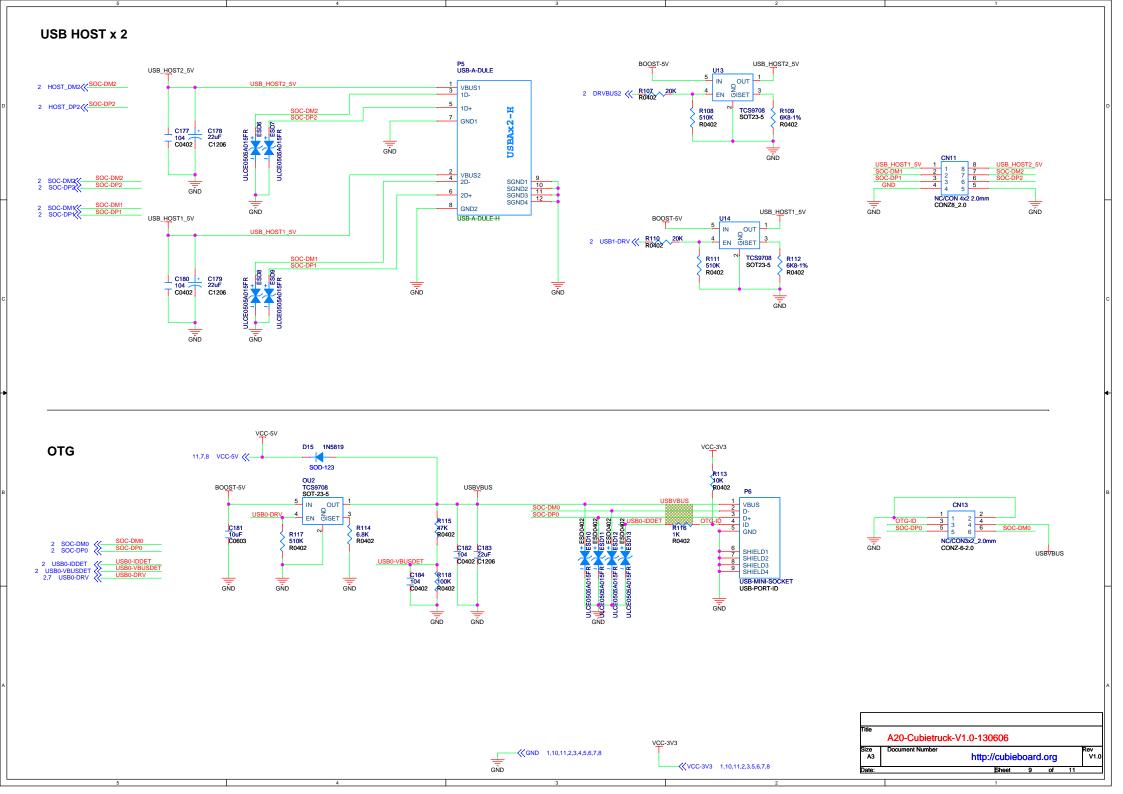
CARD0 **CARD2** (option with NAND flash) 2 SD0-D1 2 SD0-D0 2 SD0-CLK 2 SD0-CMD 1 ND1 1 ND0 5 NRB1# 6 NRB0# 1 ND3 1 ND2 R22 R24 R25 R26 R28 2 SD0-CERV 2 SD0-CMD 2 SD0-D3 2 SD0-D2 R29 VCC-3V3 VCC-3V3 2 SD0-DET# <<-VCC-3V3 VCC-3V3 2 SD2-DET# <<-R33 R34 R35 R36 47K 47K 47K 47K R0402 R0402 R0402 R0402 R31 C107 224 C106 47K R0402 47K R0402 224 C0402 C109 104 C0402 C108 224 C0402 R37 47K R38 47K R39 47K R40 47K R41 47K R42 47K SD0-D1 C0402 R0402 R0402 GND GND GND GND CARD1 VCC-3V3 CARD2 VCC-3V3 DAT2 DAT3 DAT2 DAT3 CMD VDD CLK VSS2 DAT0 GND. CLK VSS2 C111 10uF CON 4x2 2.0mm CONZ8_2.0 GND DAT1 GND DAT0 C0603 GND1 GND2 GND3 GND1 GND2 DAT1 GND SD0-DET# CD# CD# MICRO_SD_SLOT MICRO_SD NC/MICRO_SD_SLOT GND MICRO_SD

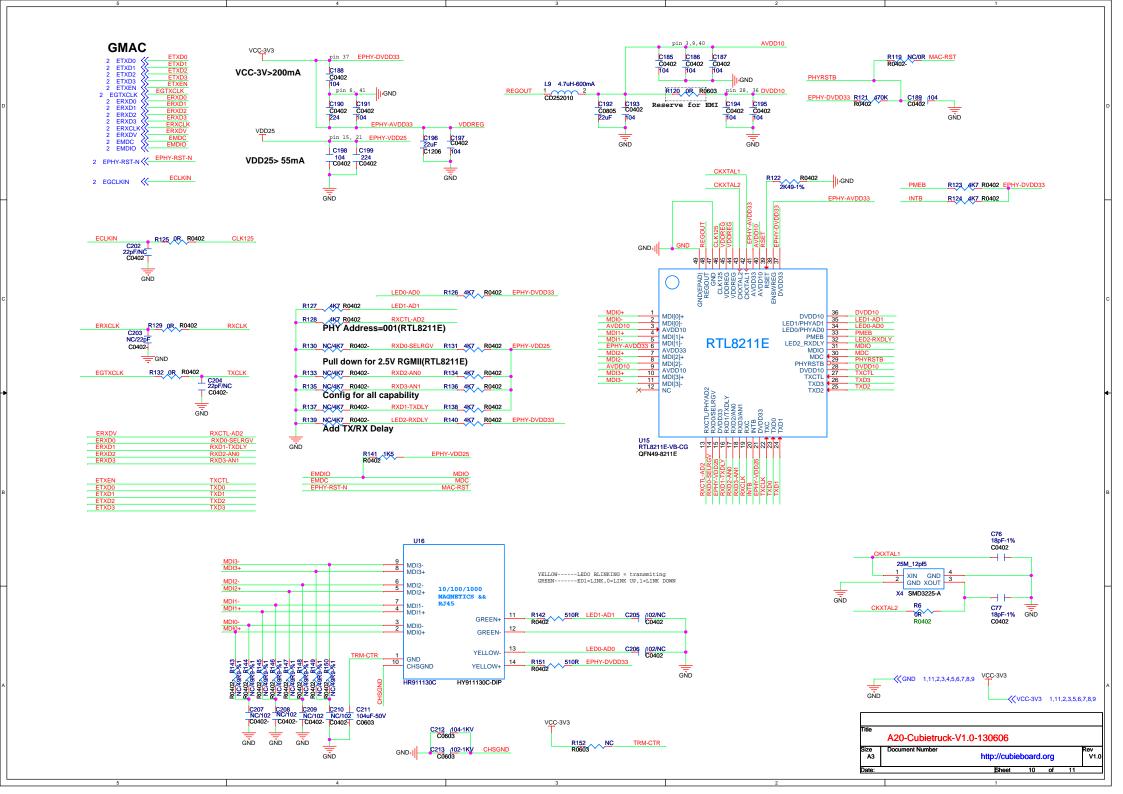


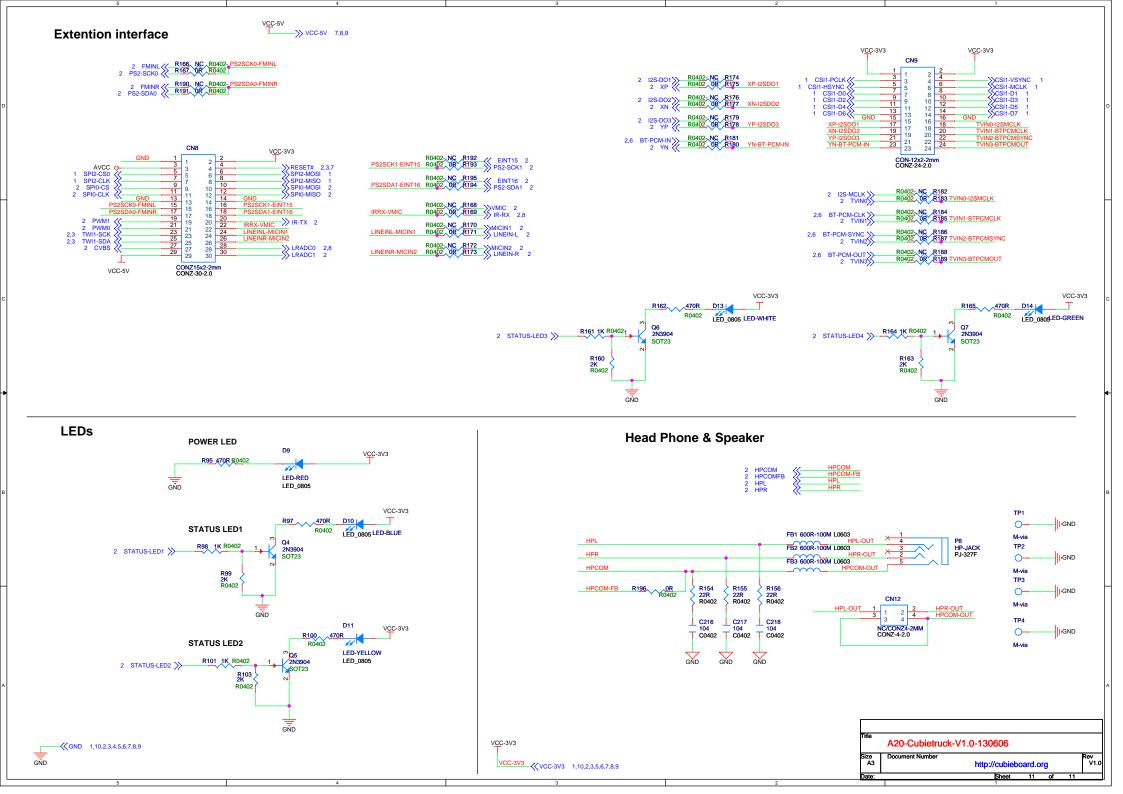


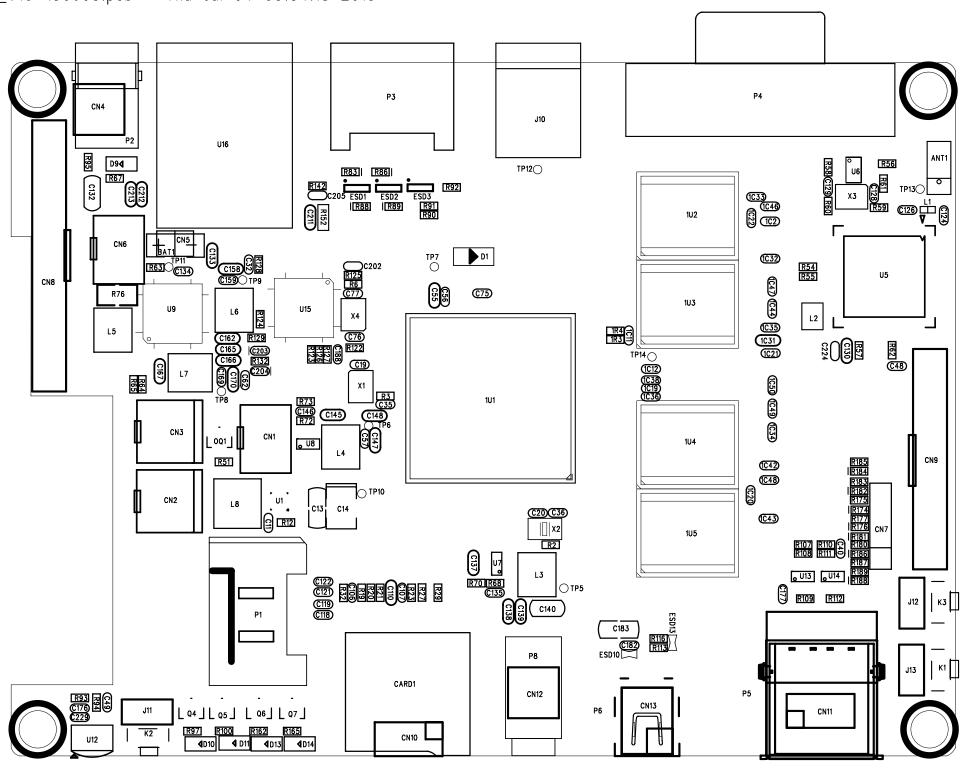


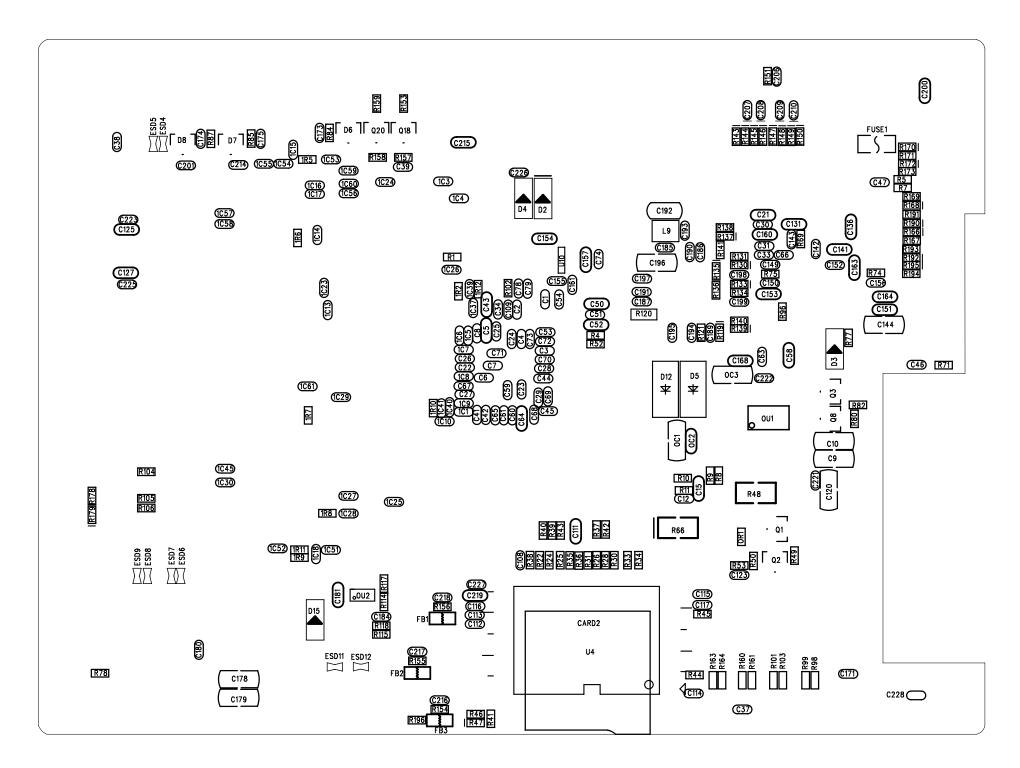












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