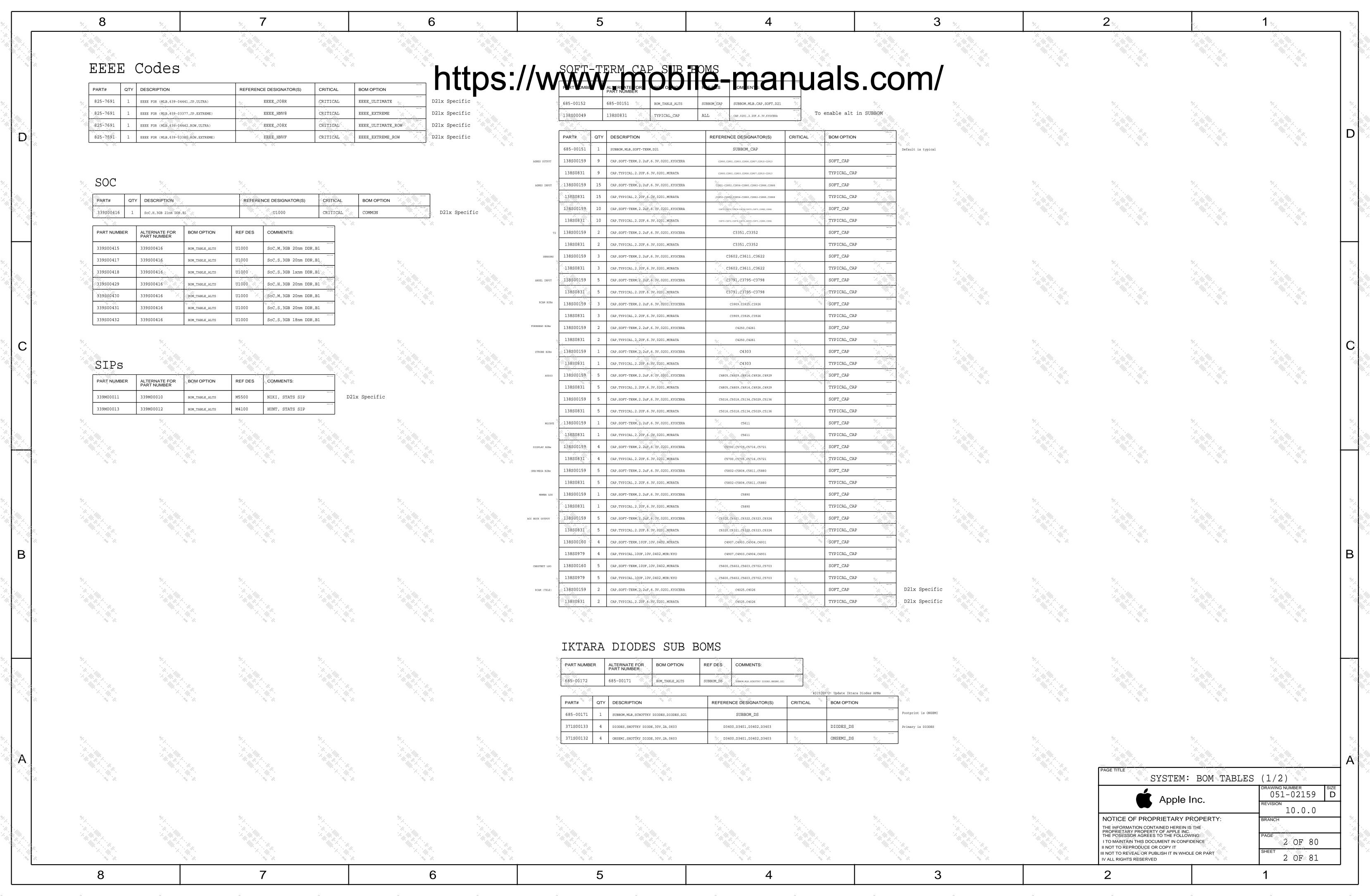
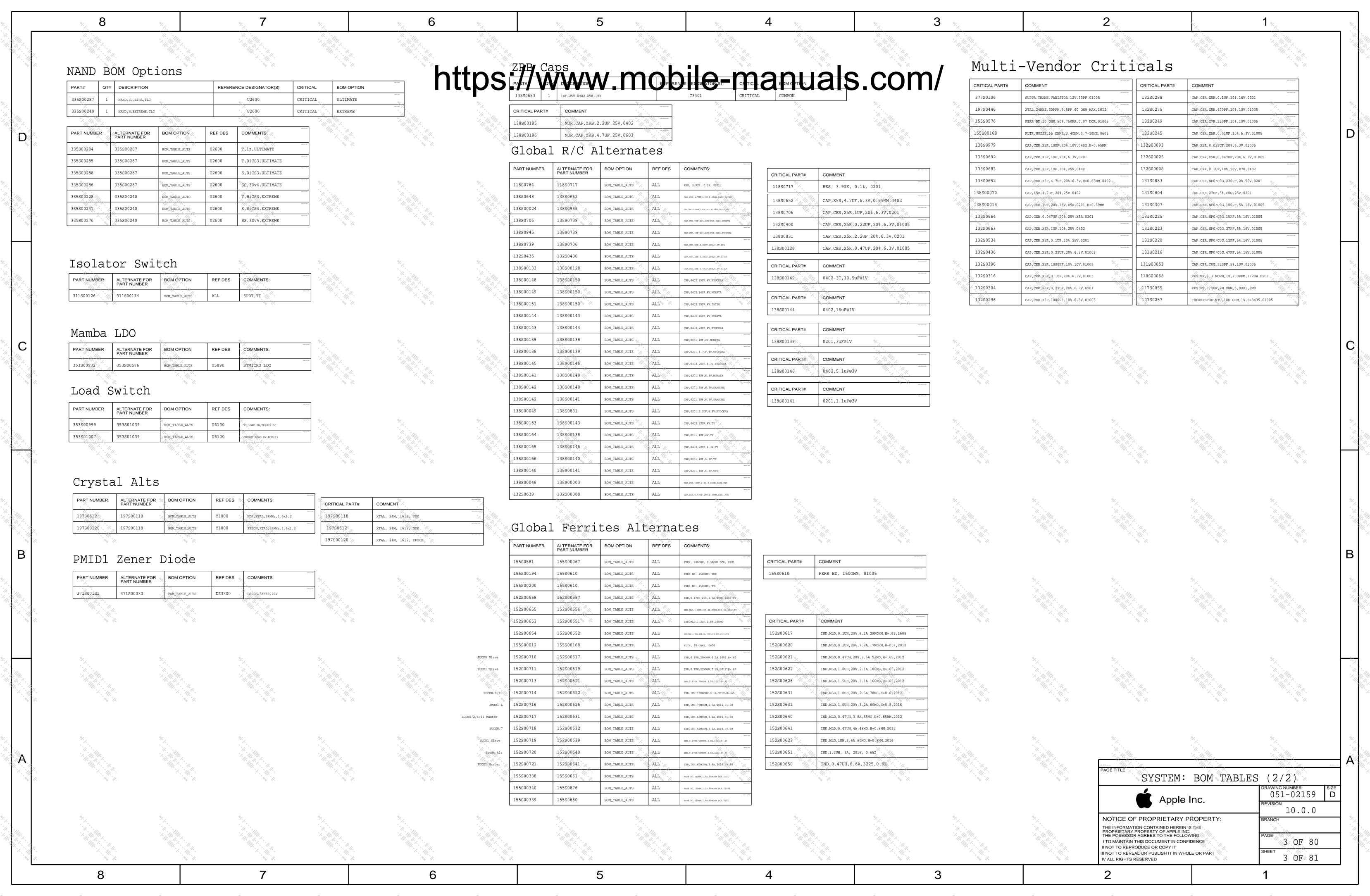
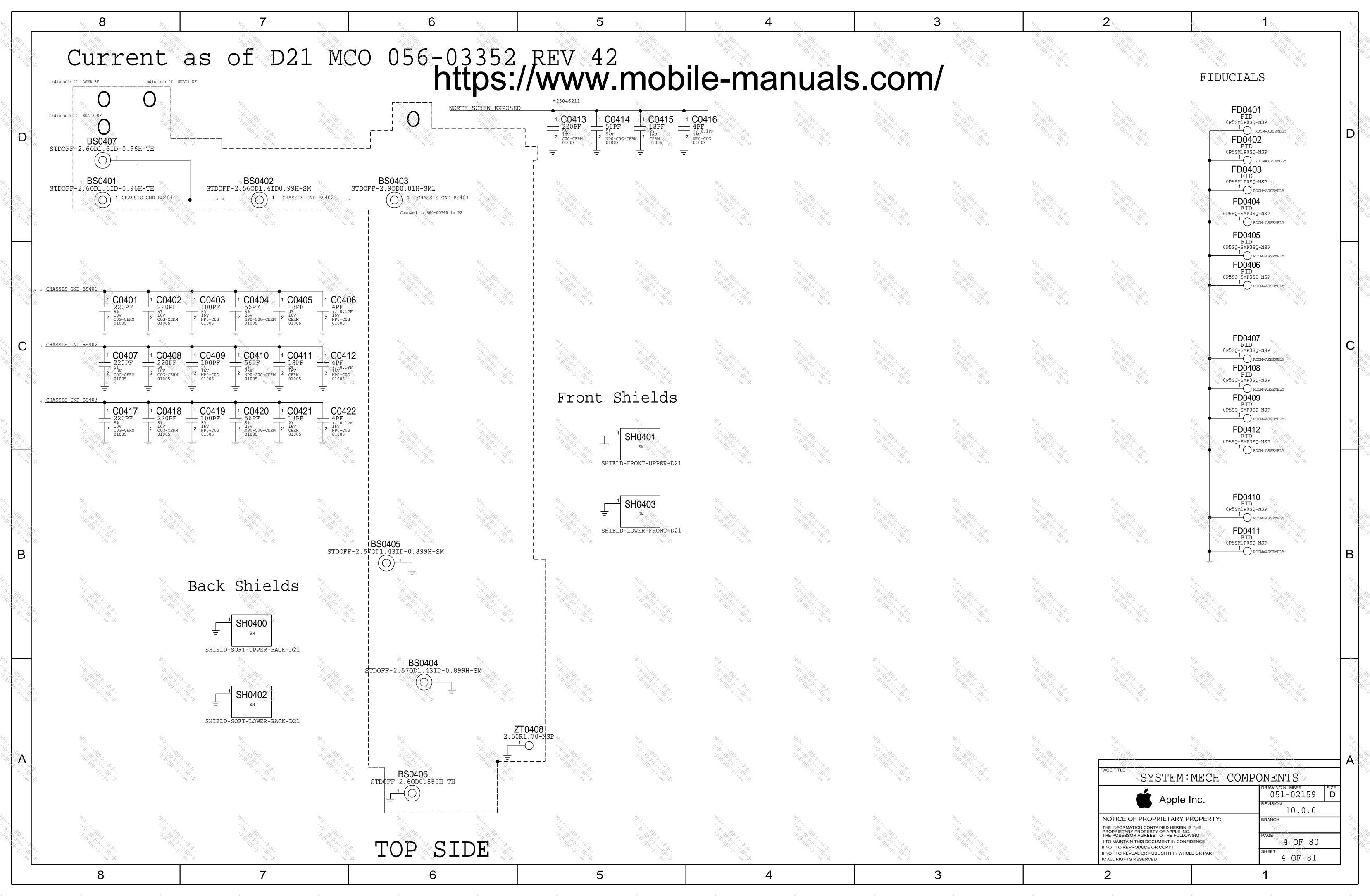
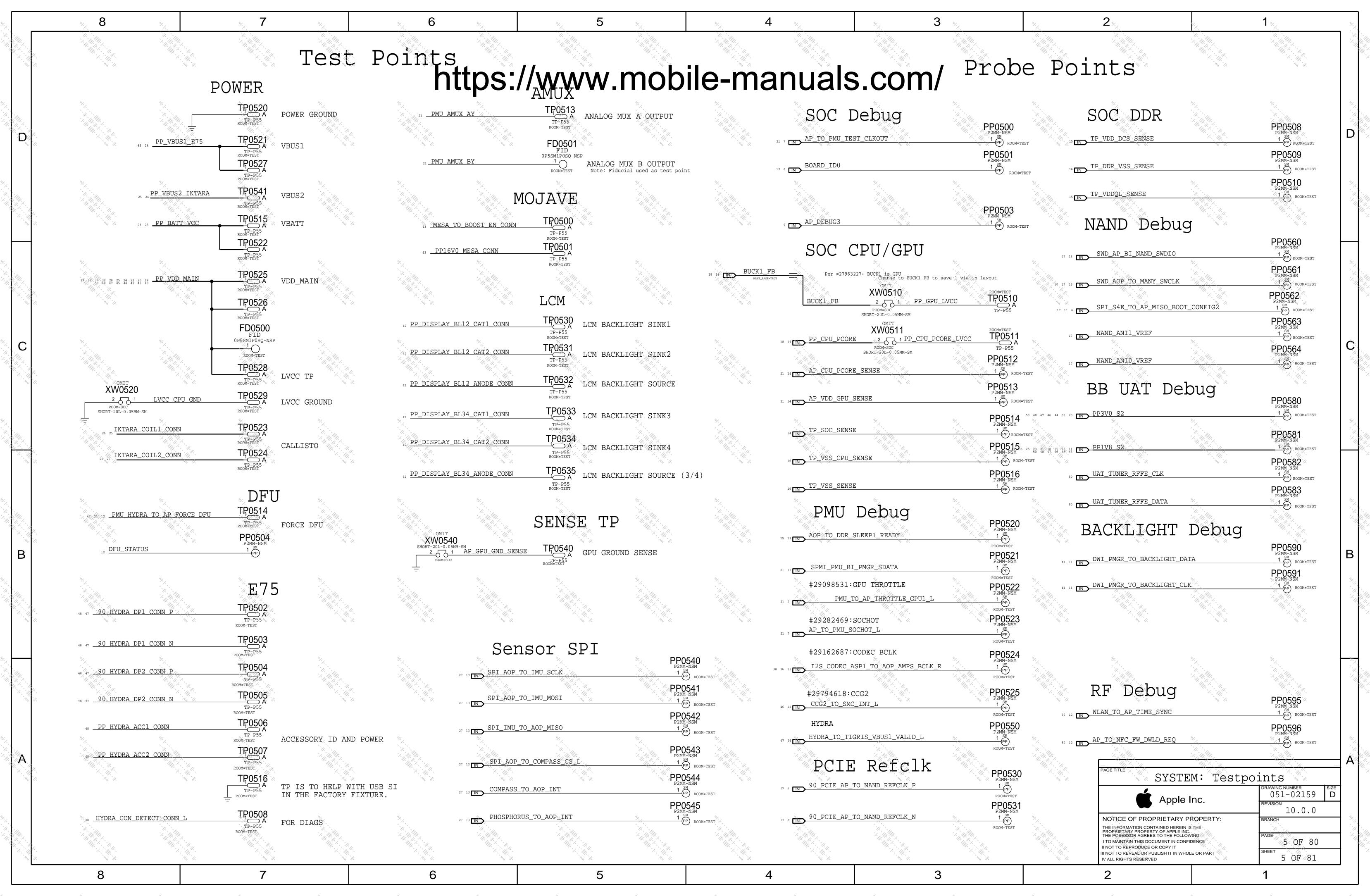
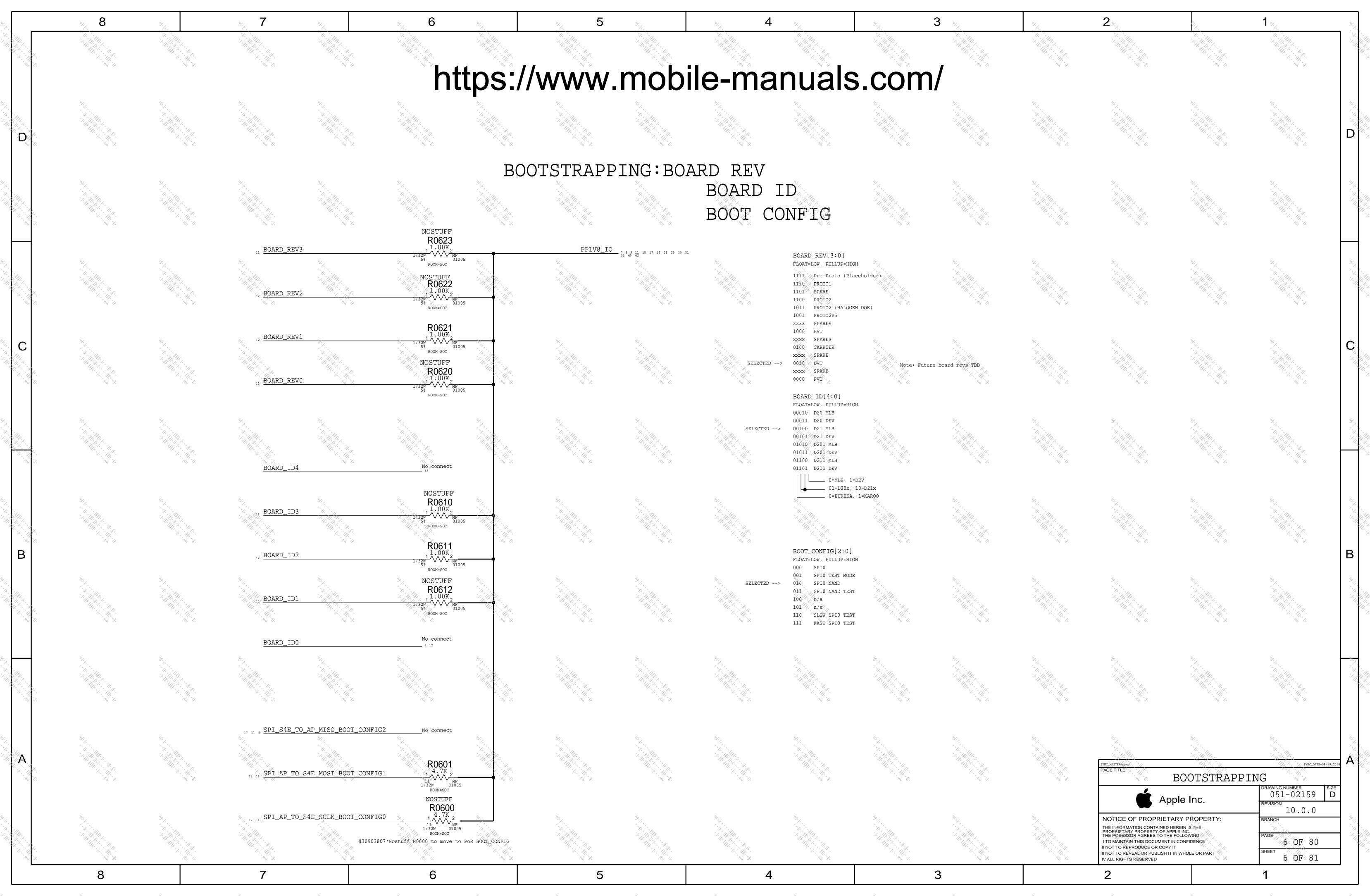
6 CK APPD D21 MLB - DVT (OK2FAB) https://www.mobile-manuals.com/ 1. ALL RESISTANCE VALUES ARE IN OHMS, 0.1 WATT +/- 59 DESCRIPTION OF REVISION REV 3. ALL CRYSTALS & OSCILLATOR VALUES ARE IN HERTZ. 0008927012 ENGINEERING RELEASED 2017-06-06 LAST\_MODIFICATION=Tue Jun 6 18:57:04 2017 DATE PAGE CSA CONTENTS PAGE CSA CONTENTS SYNC **SYNC** DATE 06/19/2016 04/14/2017 TABLE OF CONTENTS I/O: USB PD 02/24/2017 04/14/2017 SYSTEM: BOM TABLES (1/2) I/O: Hydra sync sync 10/10/2016 I/O: B2B DOCK SYSTEM; BOM TABLES (2/2) 03/17/2017 64 test\_mlb sync ×65 04/14/2017 SYSTEM MECH COMPONENTS 04/14/2017 SYSTEM 120 MAP sync sync 04/14/2017 07/18/2016 8.0 RADIOS D21\_MLB\_DOE SYSTEM: Testpoints 09/19/2016 BOOTSTRAPPING page1 sync 04/14/2017 75 SOC: JTAG, USB, XTAL NFC SOC: PCIE 04/14/2017 FRONT PAGE 04/14/2017 SOC: MIPI + ISP HIERAŔCHY sync 04/14/2017 SOC: LPDP PMIC: BUCKS & LDOS sync SOC: SERIAL/+ SMC 04/14/2017 PMIC: CLOCKS & CONTROL sync 04/14/2017 SOC: GPIO + UART BB: POWER SOC: AOP 04/14/2017 BB: CONTROL & HS PERIPHERALS [6] 04/14/2017 SOC: Power (1/3) BB: GPIOS & QLINK sync 04/14/2017 SOC: Power (2/3) XCVR sync SOC: Power (3/3)04/14/2017 sync // 04/14/2017 QPOET MODULE sync SYSTEM POWER: PMU Bucks (1/4) 04/14/2017 **%11** LB PAD 04/14/2017 **1**2 HB PAD SYSTEM POWER: PMU Bucks (2/4) sync 04/14/2017 SYSTEM POWER: PMU LDOs (3/4) 13 UHB PAD 04/14/2017 14 2G PA SYSTEM POWER: PMU (4/4) SYSTEM POWER: Boost 04/14/2017 15 LB DSM sync SYSTEM POWER: B2B Battery 04/14/2017 16 HB DSM sync 04/14/2017 ×17 COUPLER 2 SYSTEM POWER: Charger sync 04/14/2017 SYSTEM POWER: Iktara LOWER ANTENNA sync 04/14/2017 UPPER ANTENNA SYSTEM POWER: B2B Cyclone sync 04/14/2017 20 GNSS SENSORS CAMERA: PMU (1/2) 04/14/2017 SIM, DEBUG CONN PROBE POINTS 07/18/2016 CAMERÁ: PMU (2/2) 04/14/2017 TEST POINTS sync 04/14/2017 CAMERA B2B Wide (KY) FRONT PAGE sync 40 CAMERA: B2B Tele (TN) 04/14/2017/ METROCIRC sync 04/14/2017 CAMERA: Strobe Drivers UAT MATCH AND TUNER sync CAMERA: FCAM + FOREHEAD RFFE TO GPO TRANSLATOR 04/14/2017 sync 04/14/2017 CAMERA: B2B Strobe + Buttons SymbolPorts sync AUDIQ: CODEC (1/2) 04/14/2017 WIFI 11/28/2016 Guinness sync AUDIO CODEC (2/2) 11/28/2016 04/14/2017 WiFiANTFeeds sync // 04/14/2017 AUDIO: Speaker Amp Bottom sync ? AUDIO: Speaker Amp Top 04/14/2017 sync 04/14/2017 ARC: Driver sync CG: Niki 04/14/2017 55 sync 04/14/2017 56 CG: PMUs sync 04/14/2017 CG: B2B DISPLAY + TOUCH sync 04/14/2017 CG: B2B ORB + MESA sync 04/14/2017 I/O: Overvoltage Cut-Off Circuit sync I/O: Accessory Buck 04/14/2017 sync Sub Designs TABLE OF CONTENTS SYNC MASTER=sync SYNC/DATE=06/19/201 SCH, MLB, D21 REFERENCE DESIGNATOR(S) BOM OPTION QTY DESCRIPTION 051-02159 SCH,MLB,D21 SCH SOURCE PROJECT VERSION HARD/ SYNC\_DATE/TIME 051-02159 SUB-DESIGN NAME Apple Inc. PCBF,MLB,D21 RADIO\_MLB 0.122.0 2017\_06\_06\_17:14:31 10.0.0 <sup>≫</sup>D20 0.50.0 2017\_05\_26\_07:54:42 NFC\_MLB THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSESSOR AGREES TO THE FOLLOWING D21/// WIFI\_MLB 0.20.0 2017\_05\_16\_02;56:32 1 OF 80 D2/1 RADIO\_MLB\_FF 0.35.0 2017\_06\_02\_14:56:02 II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART 1 OF 81 IV ALL RIGHTS RESERVED 6 3

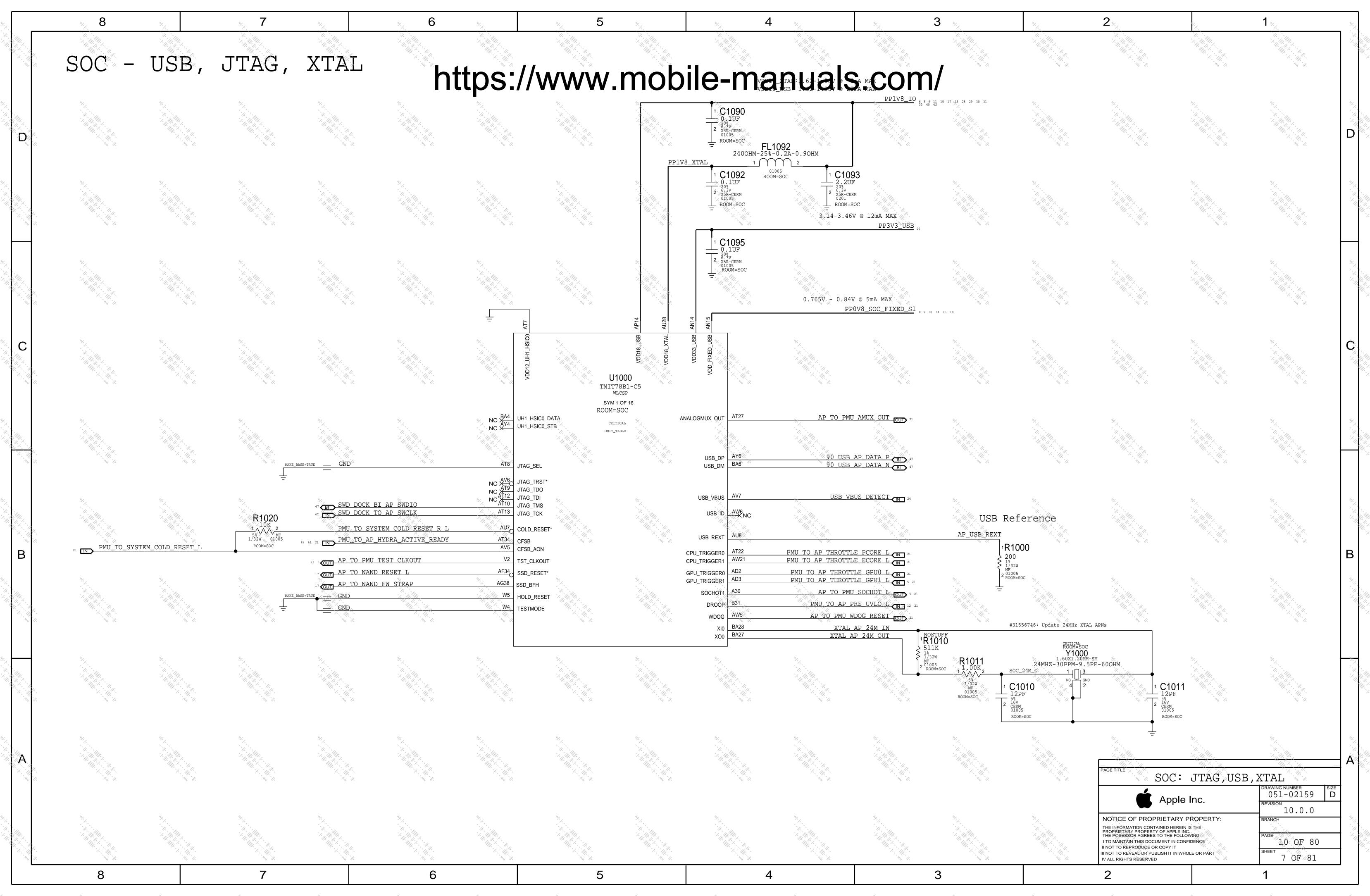


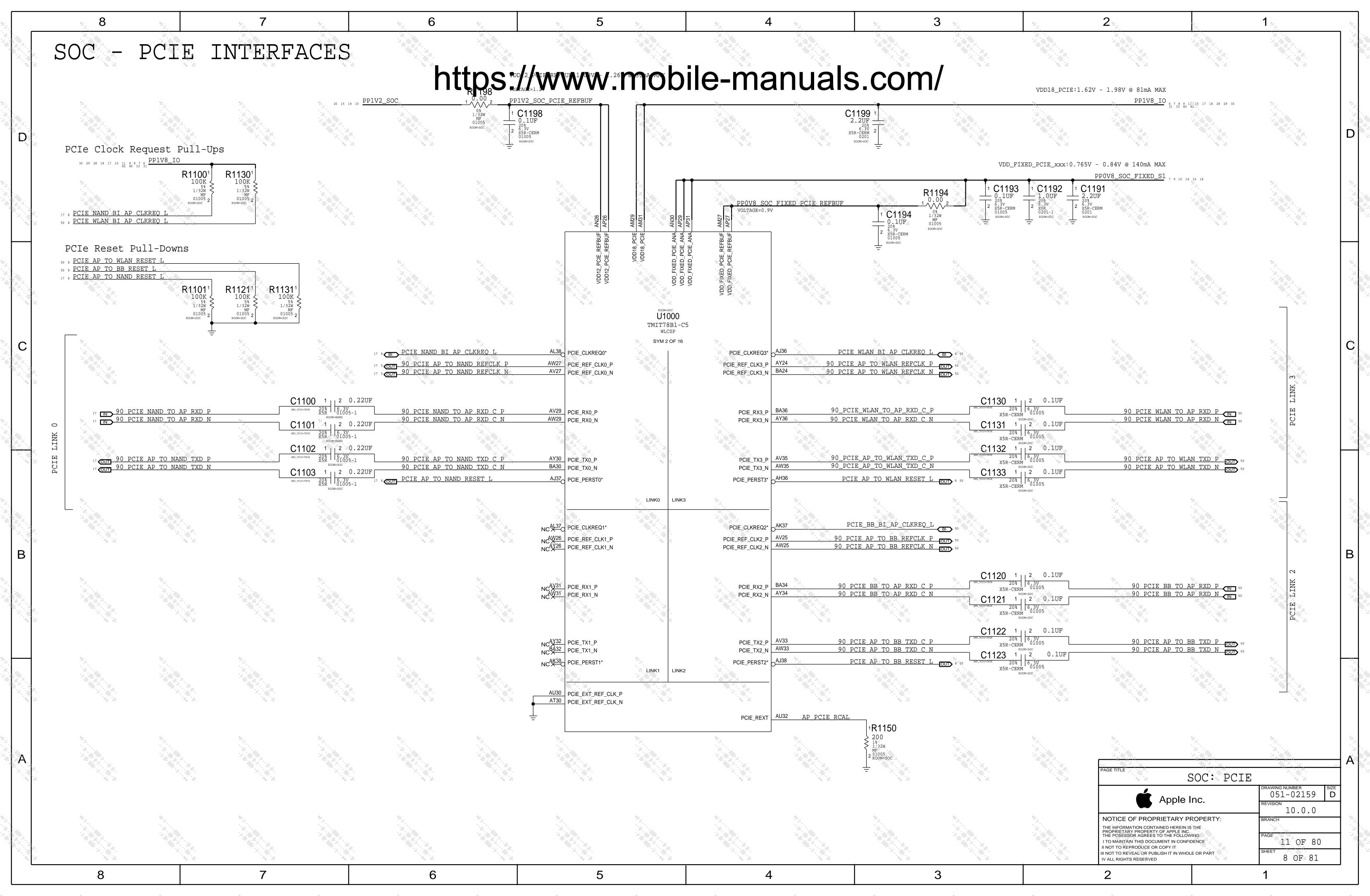


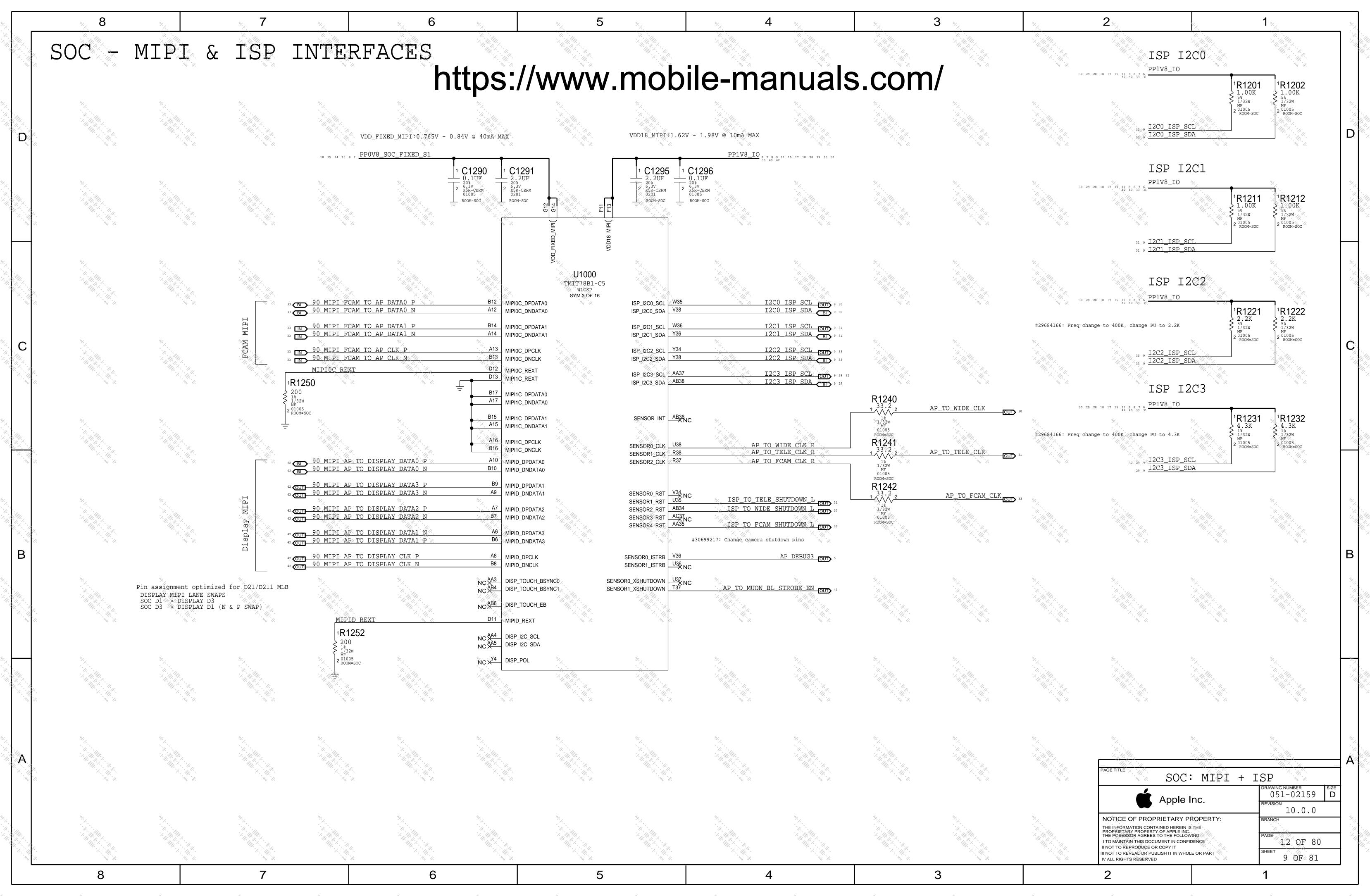


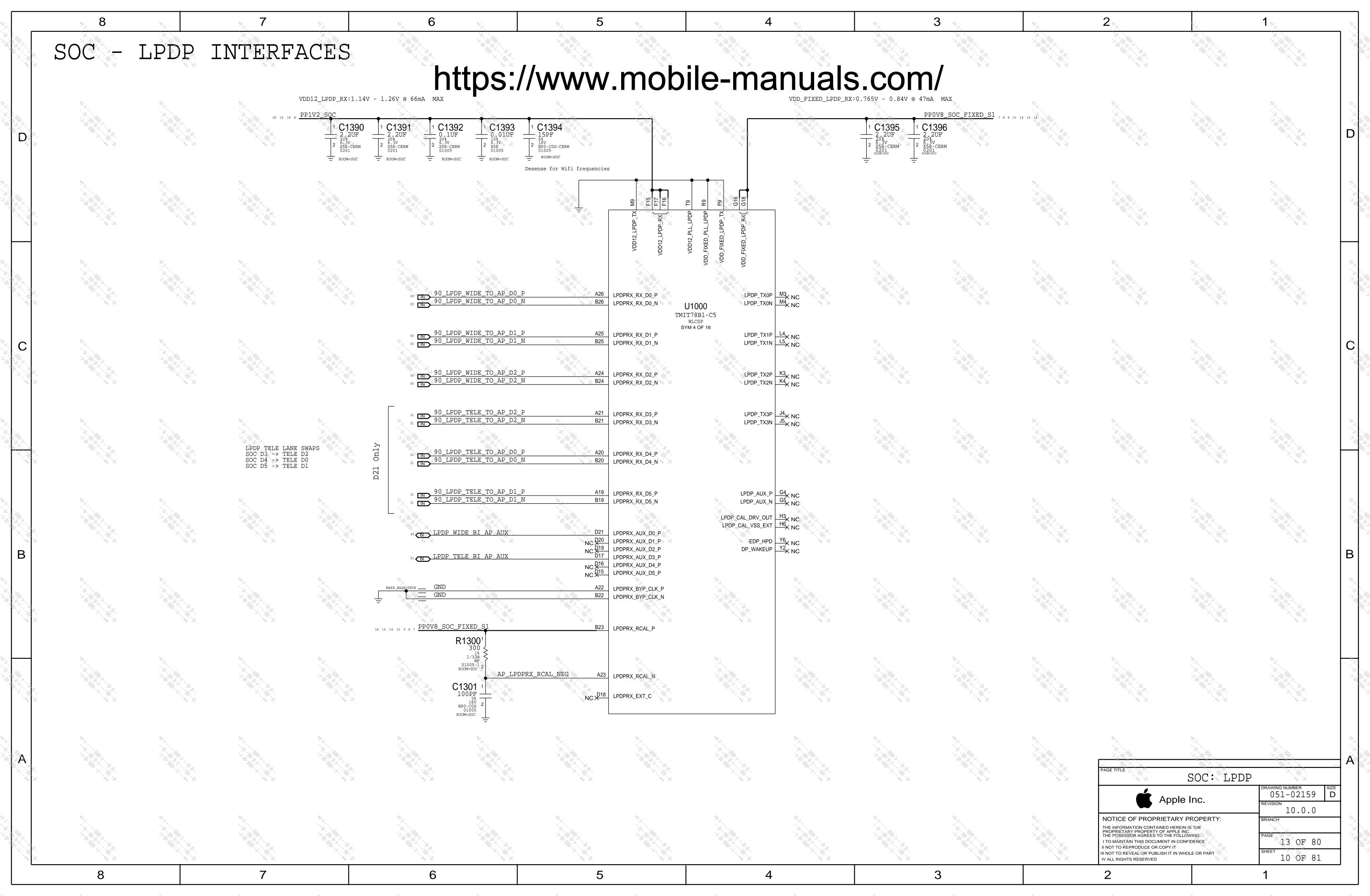


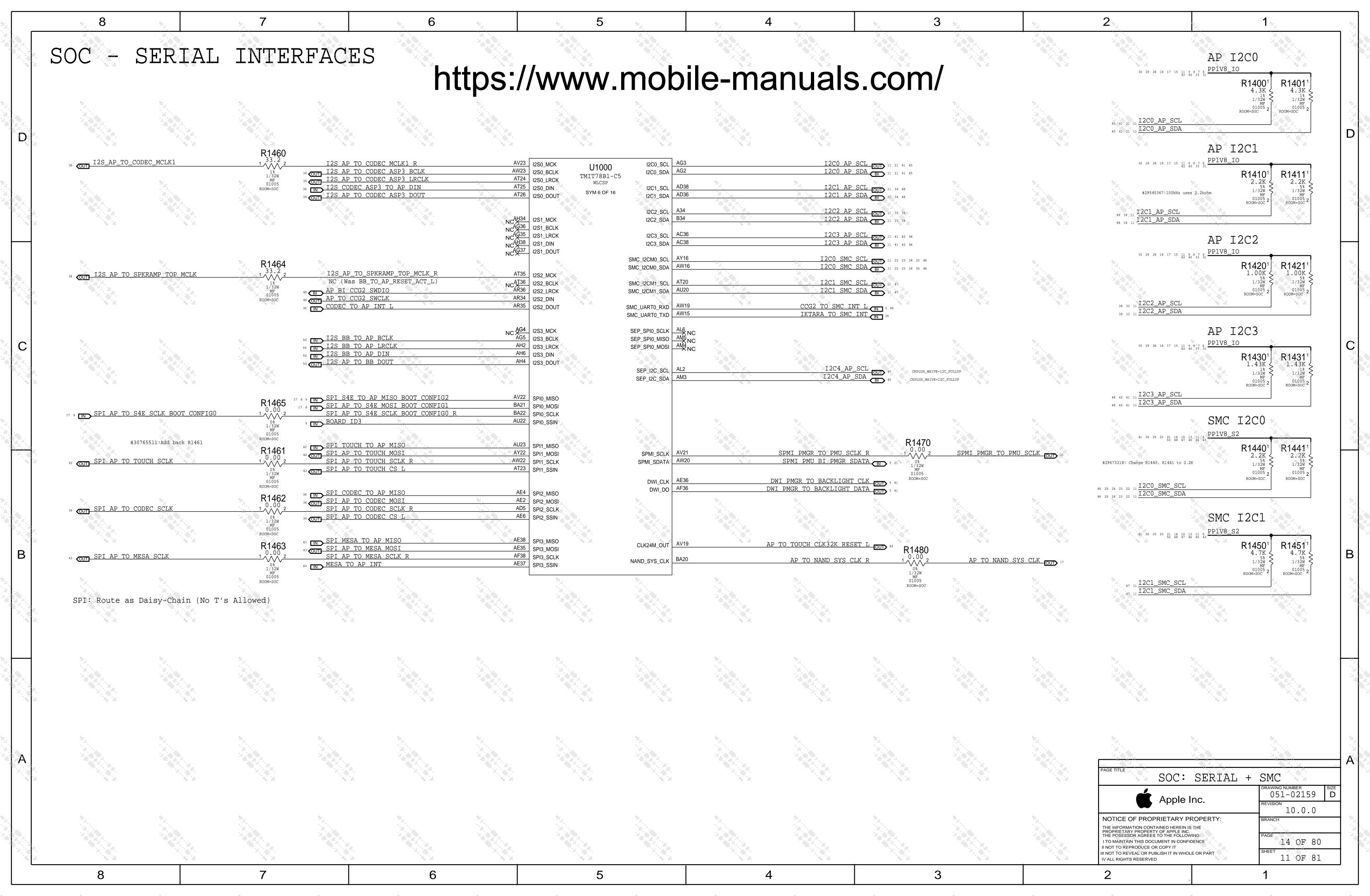


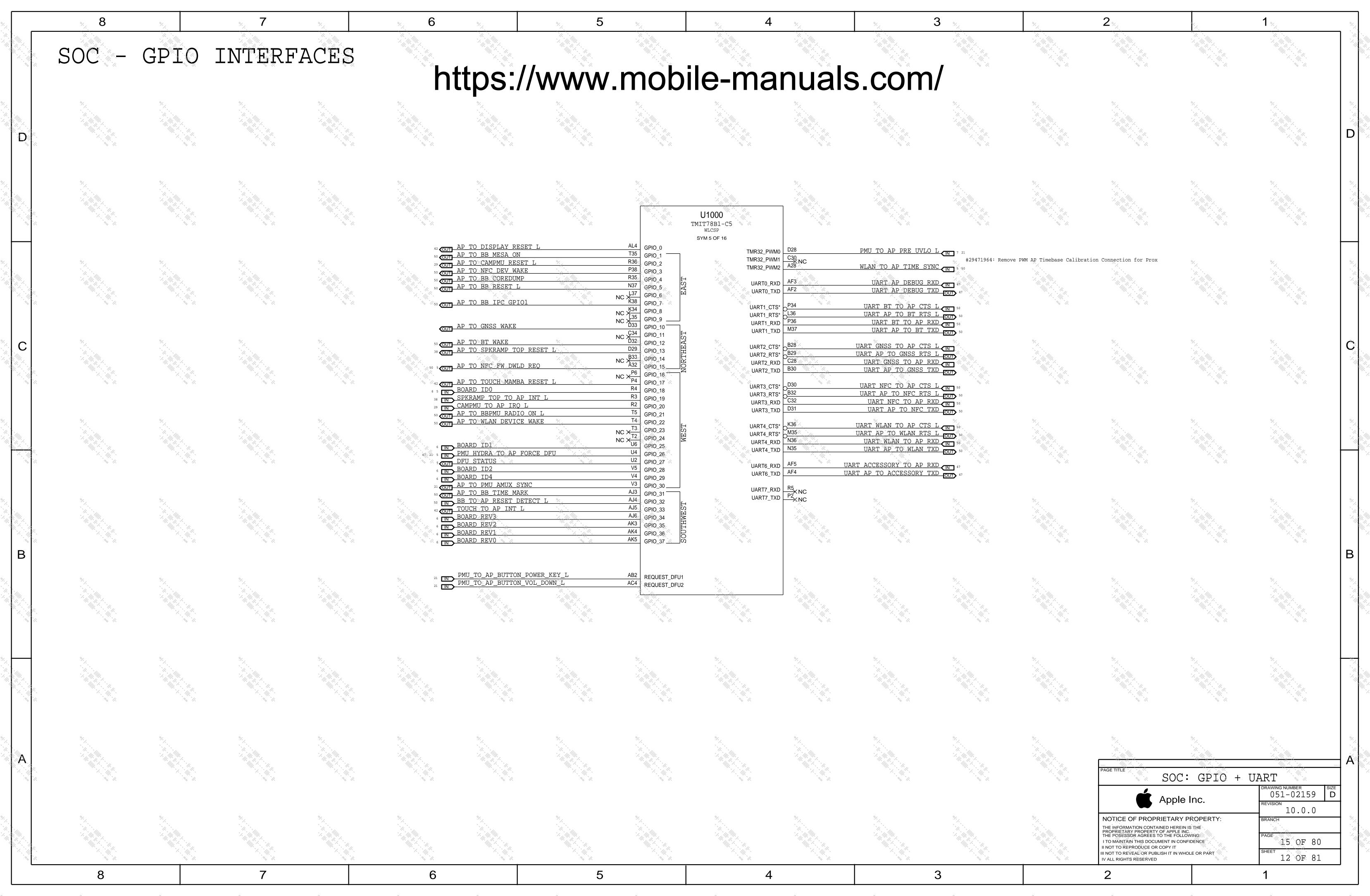


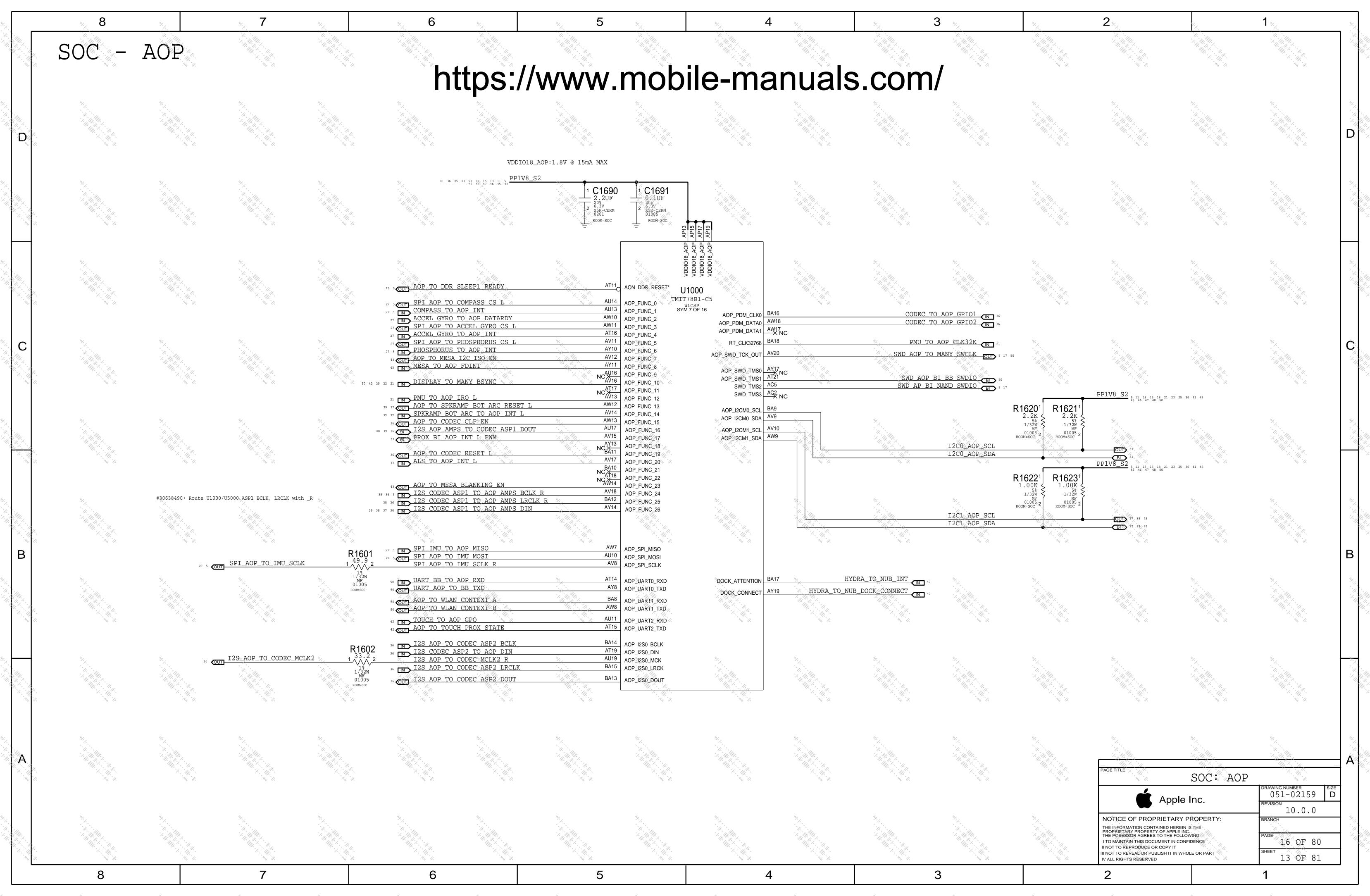


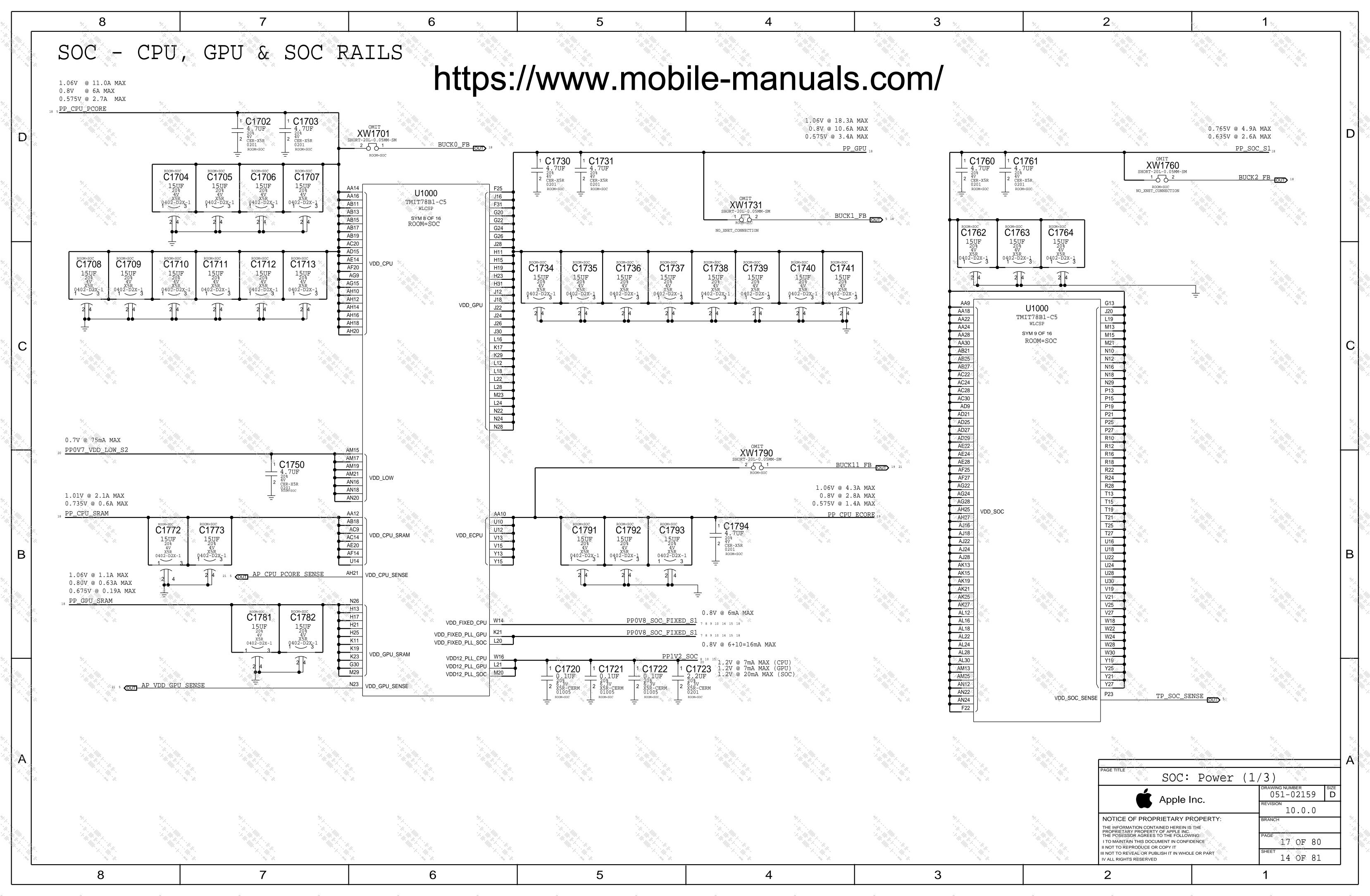


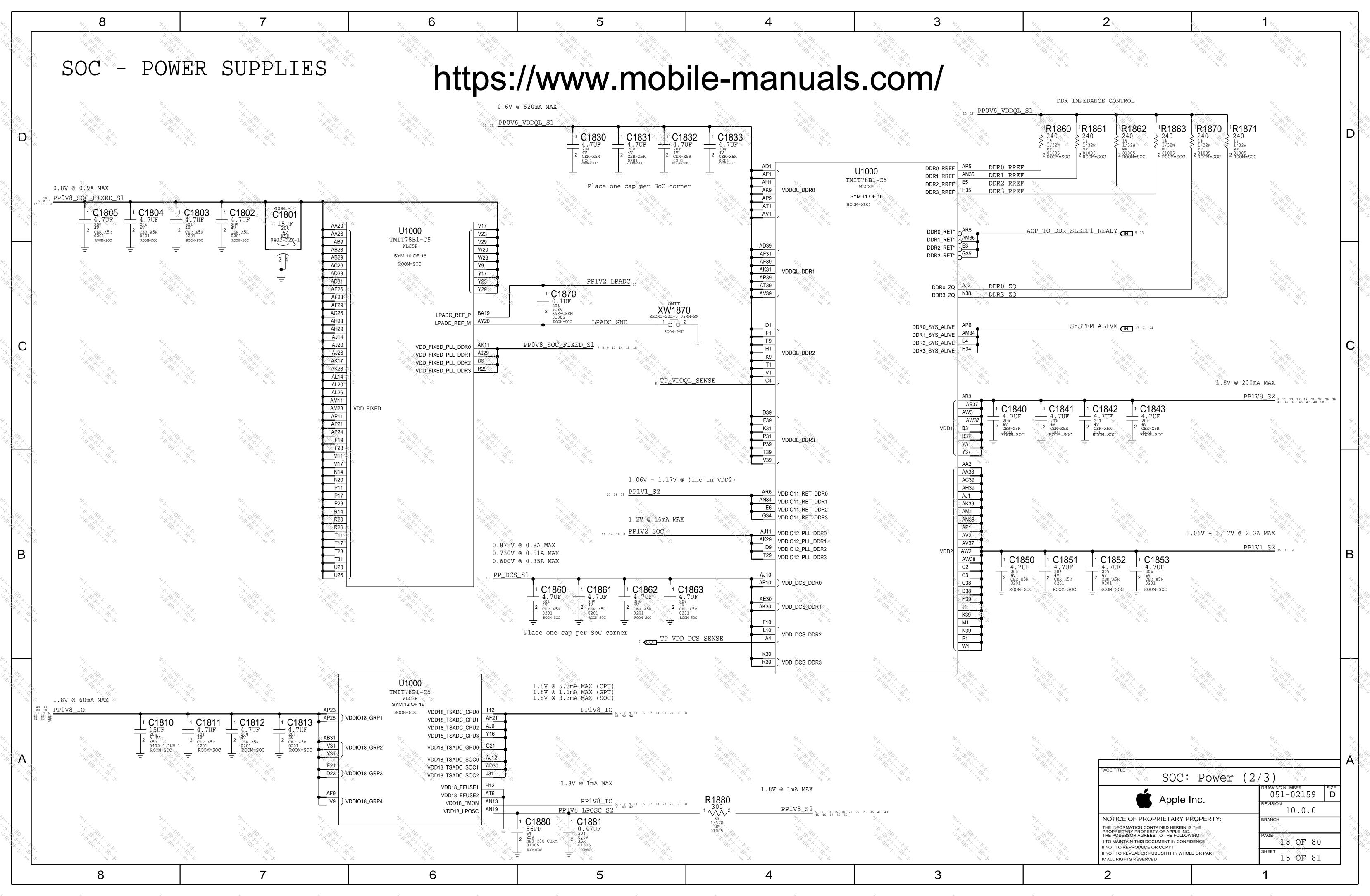


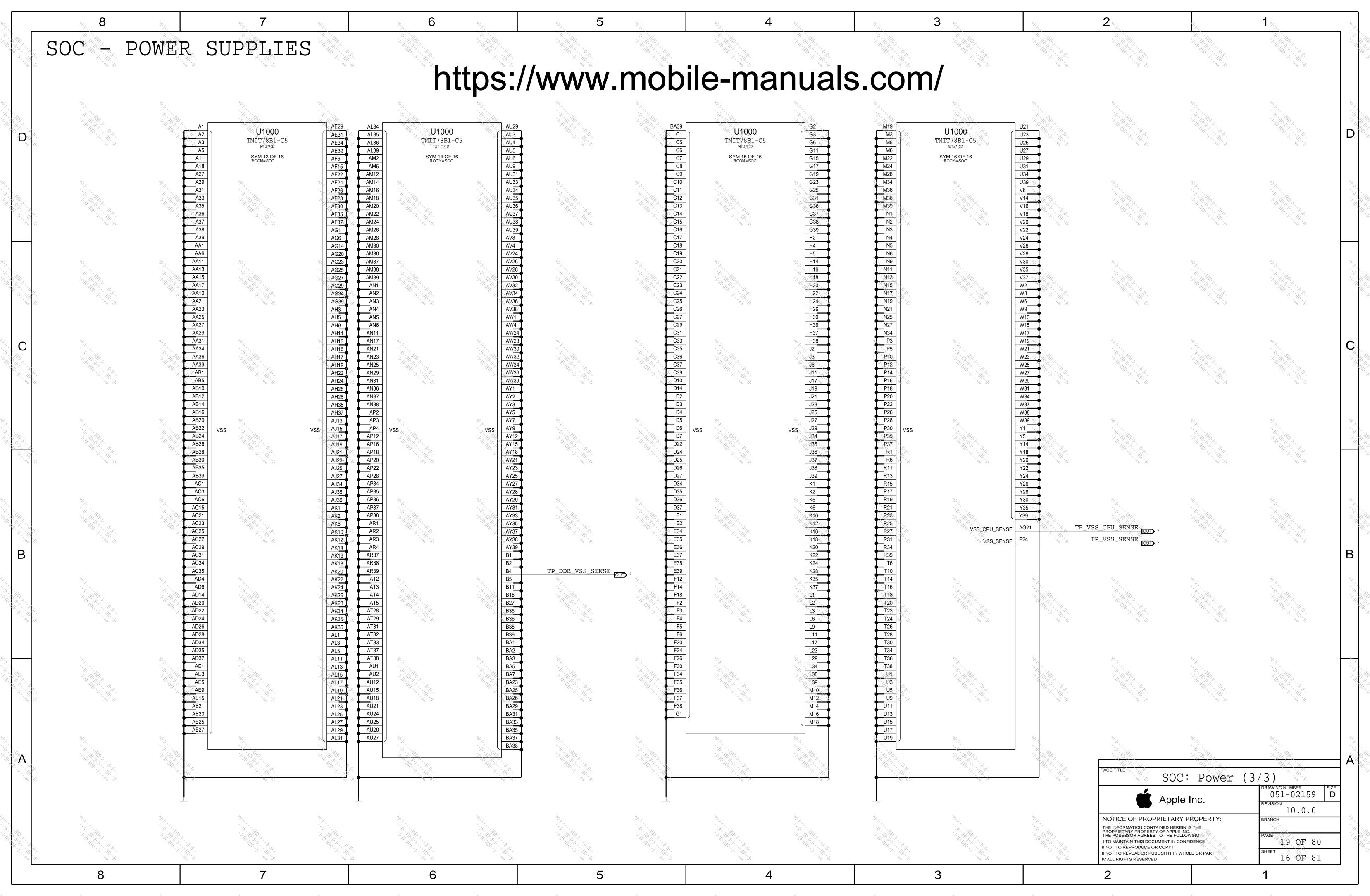


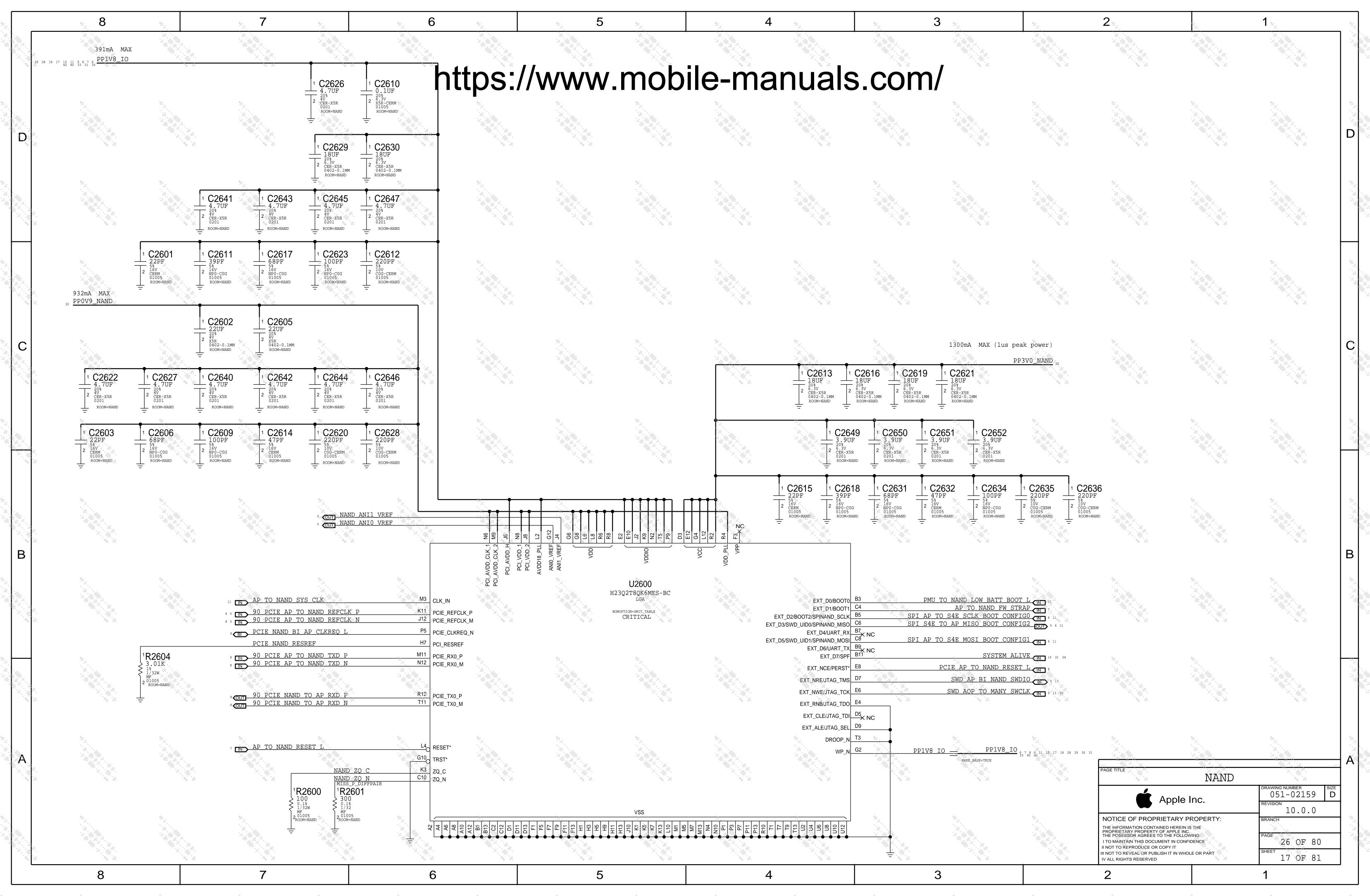


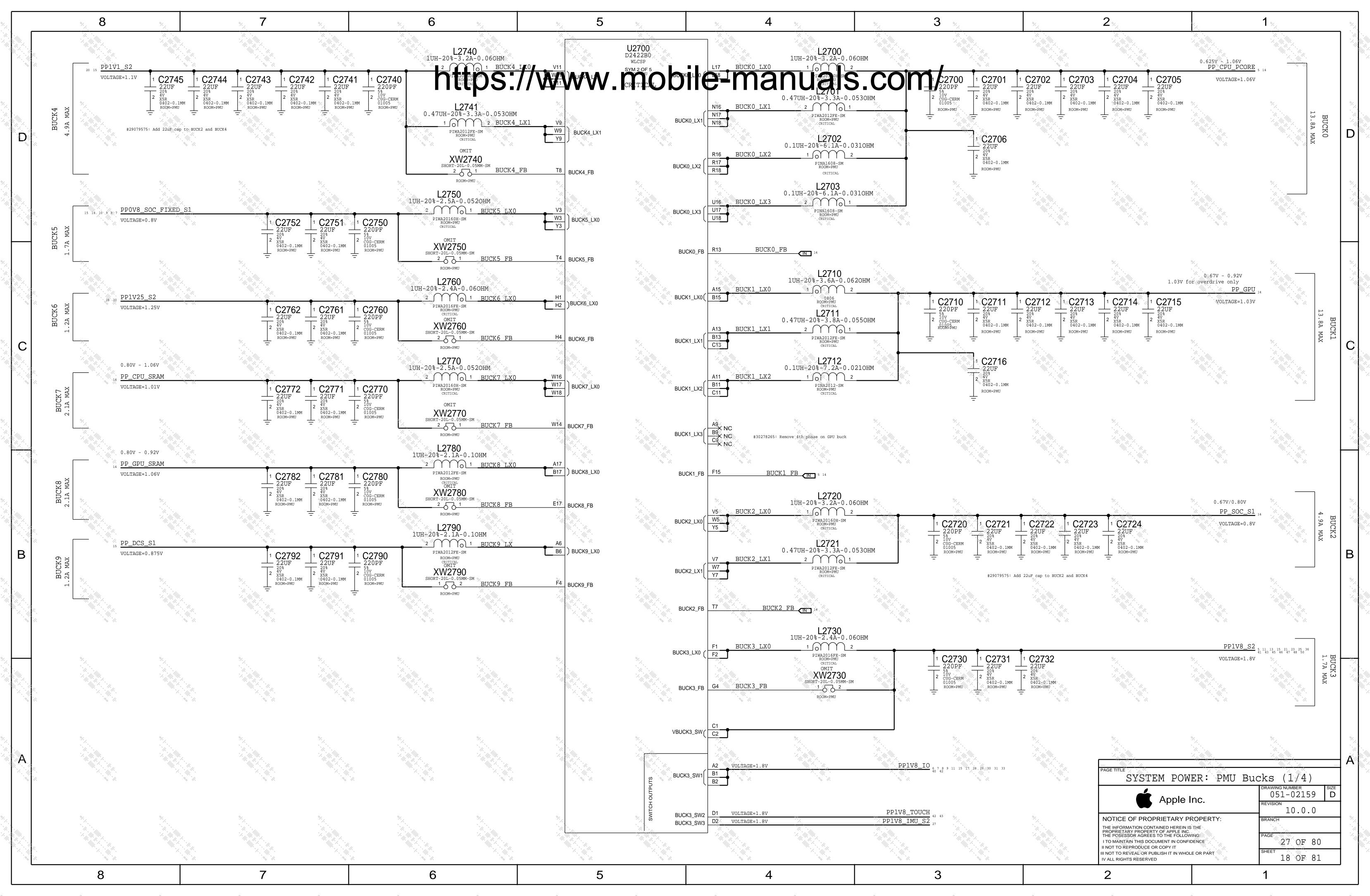


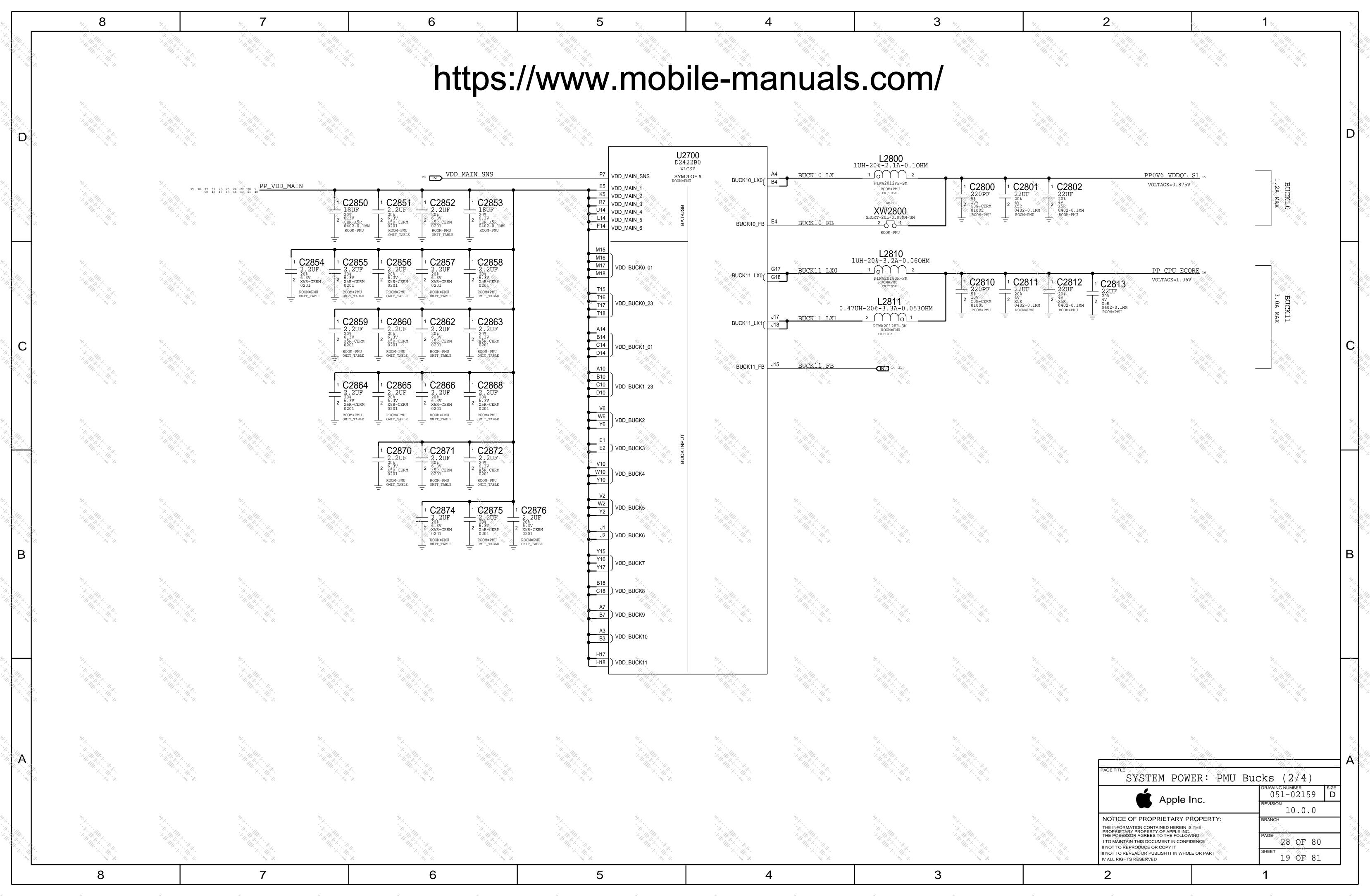


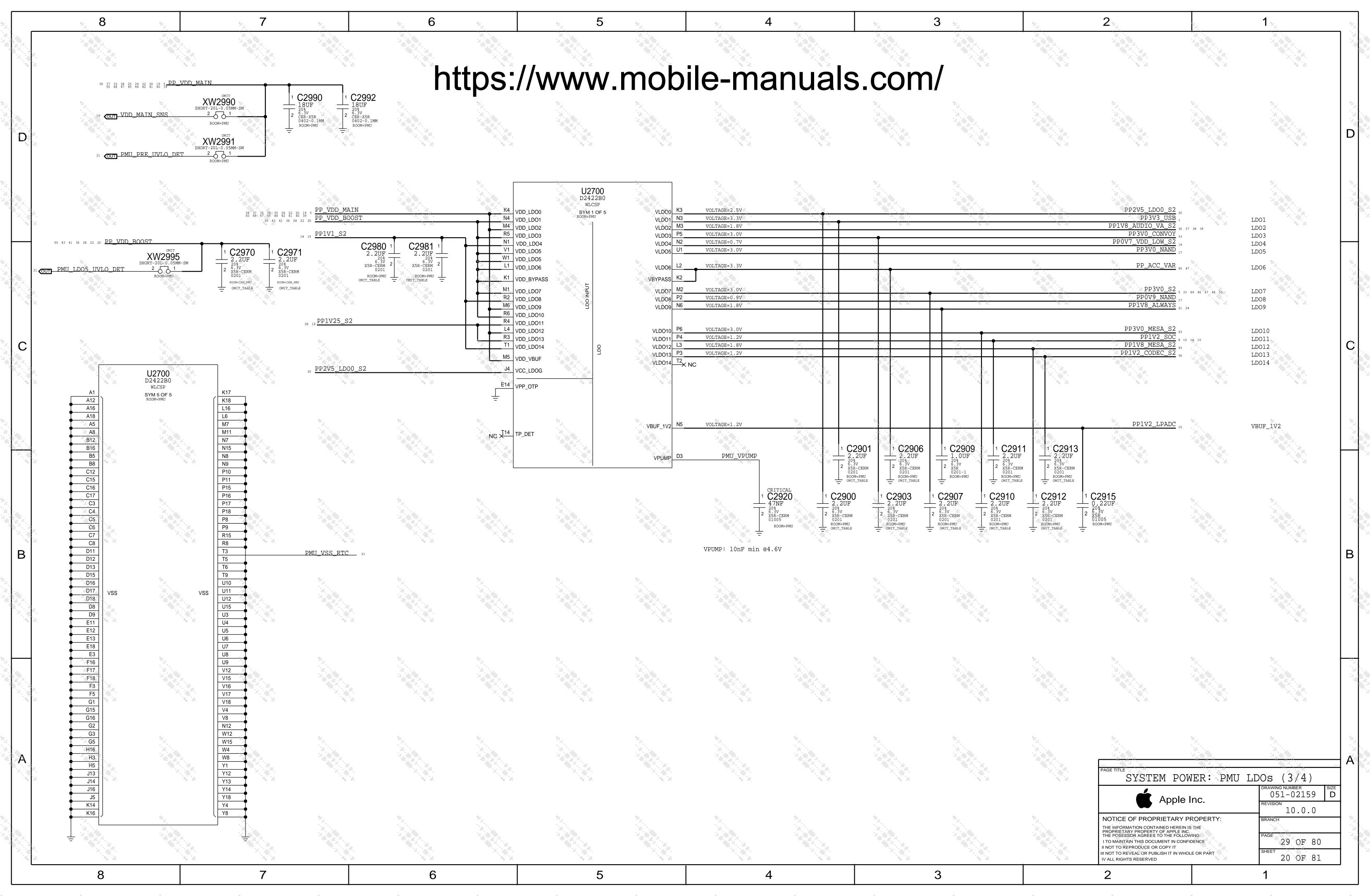


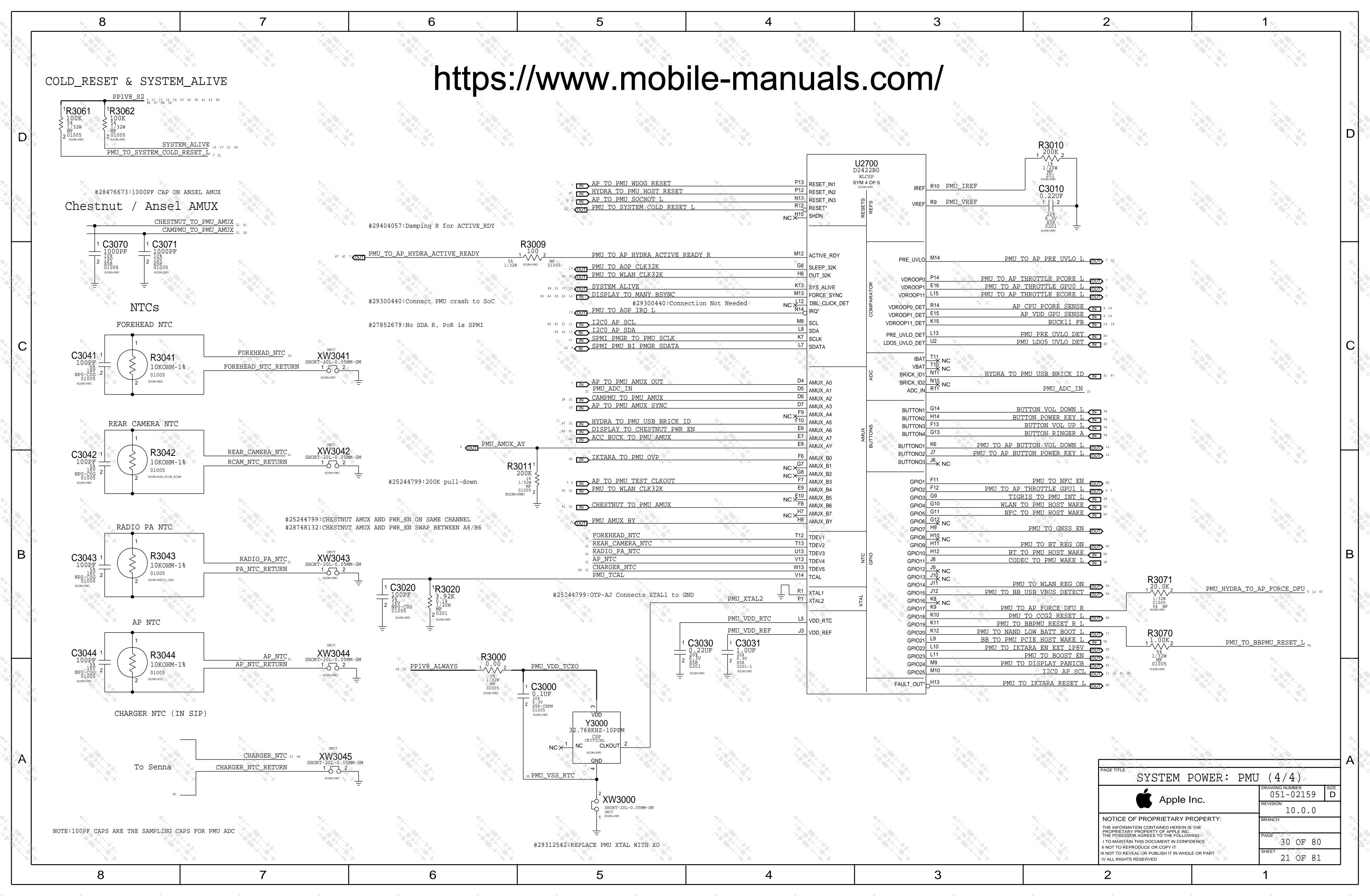


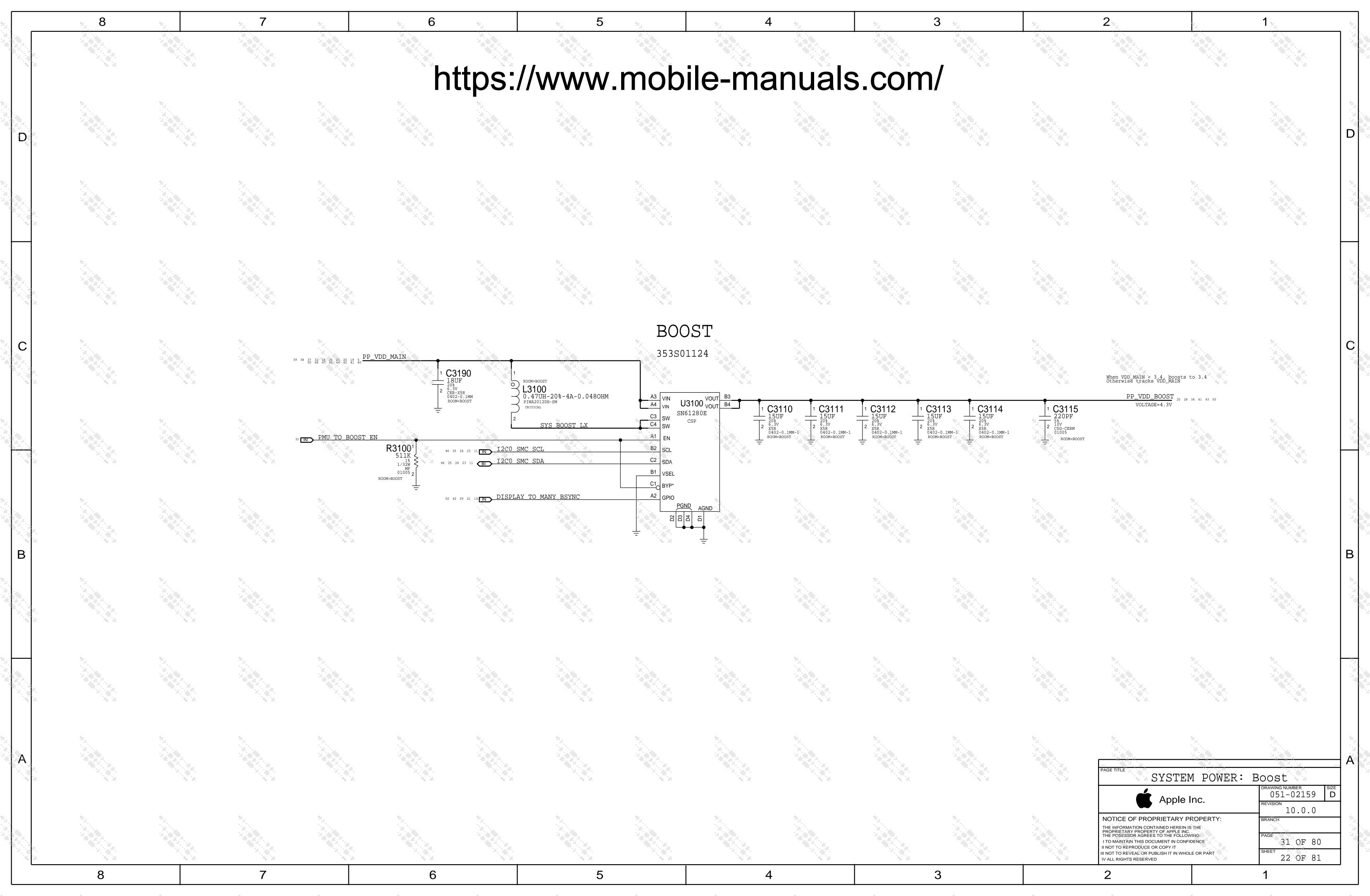


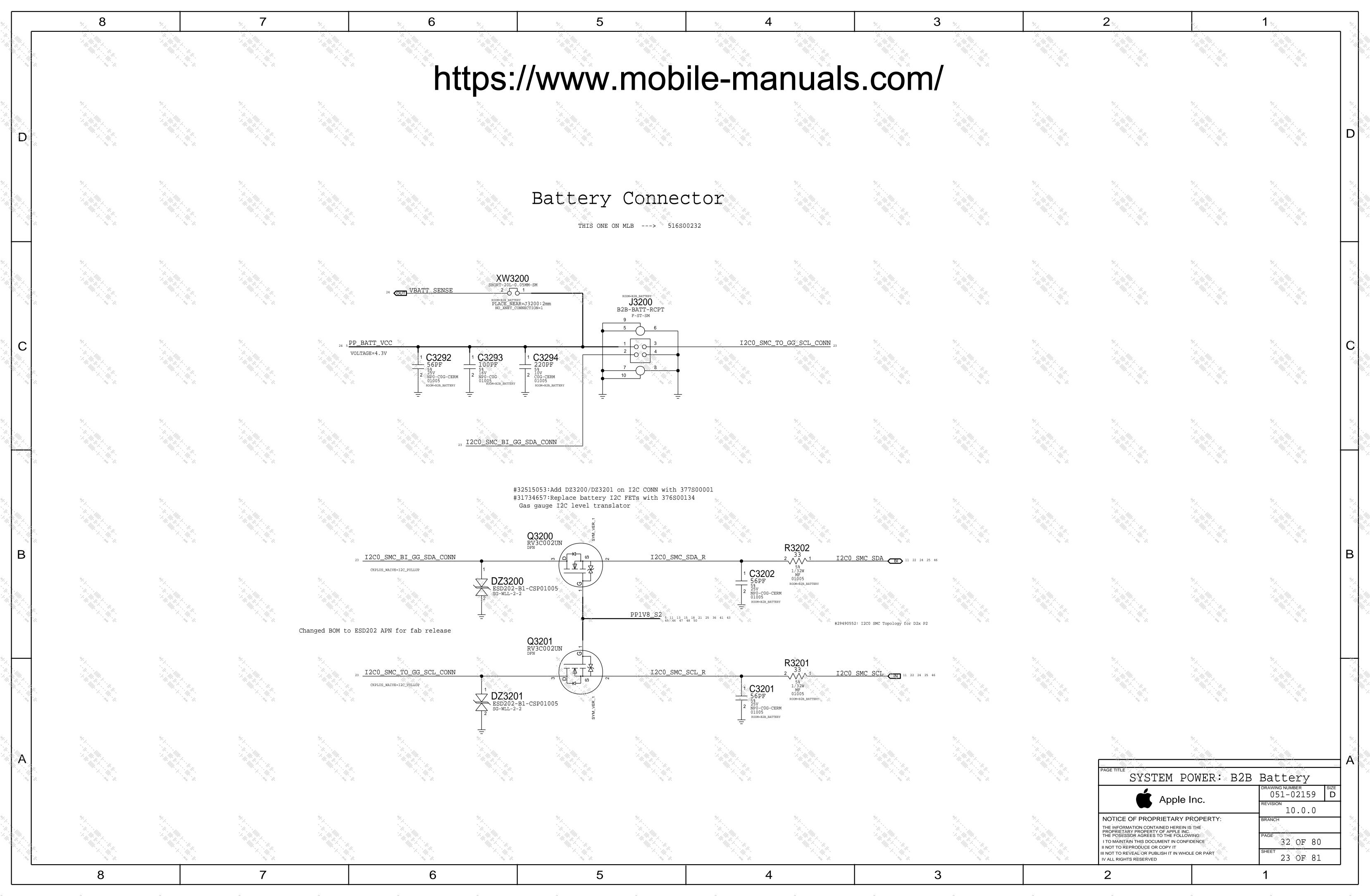


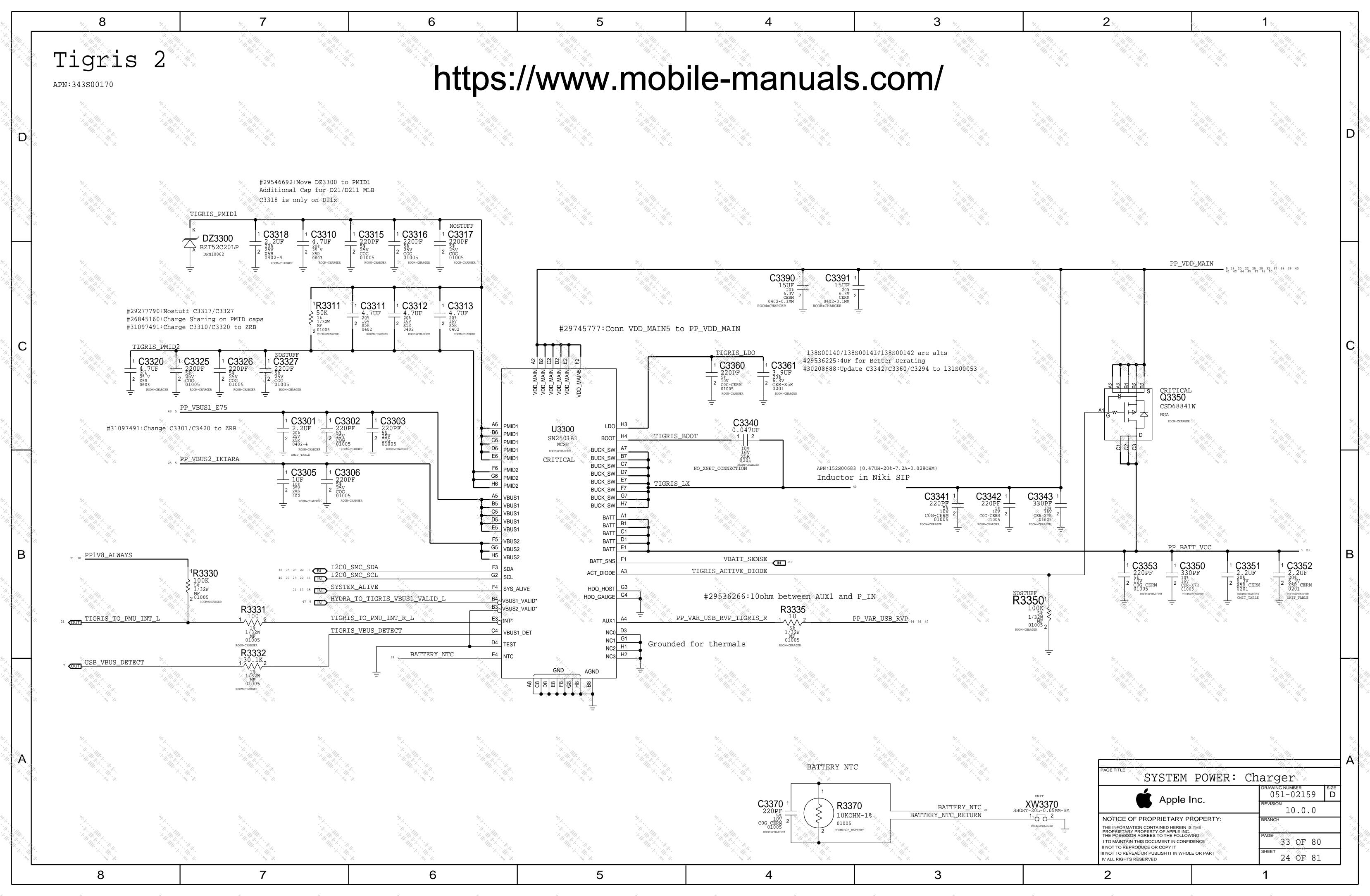


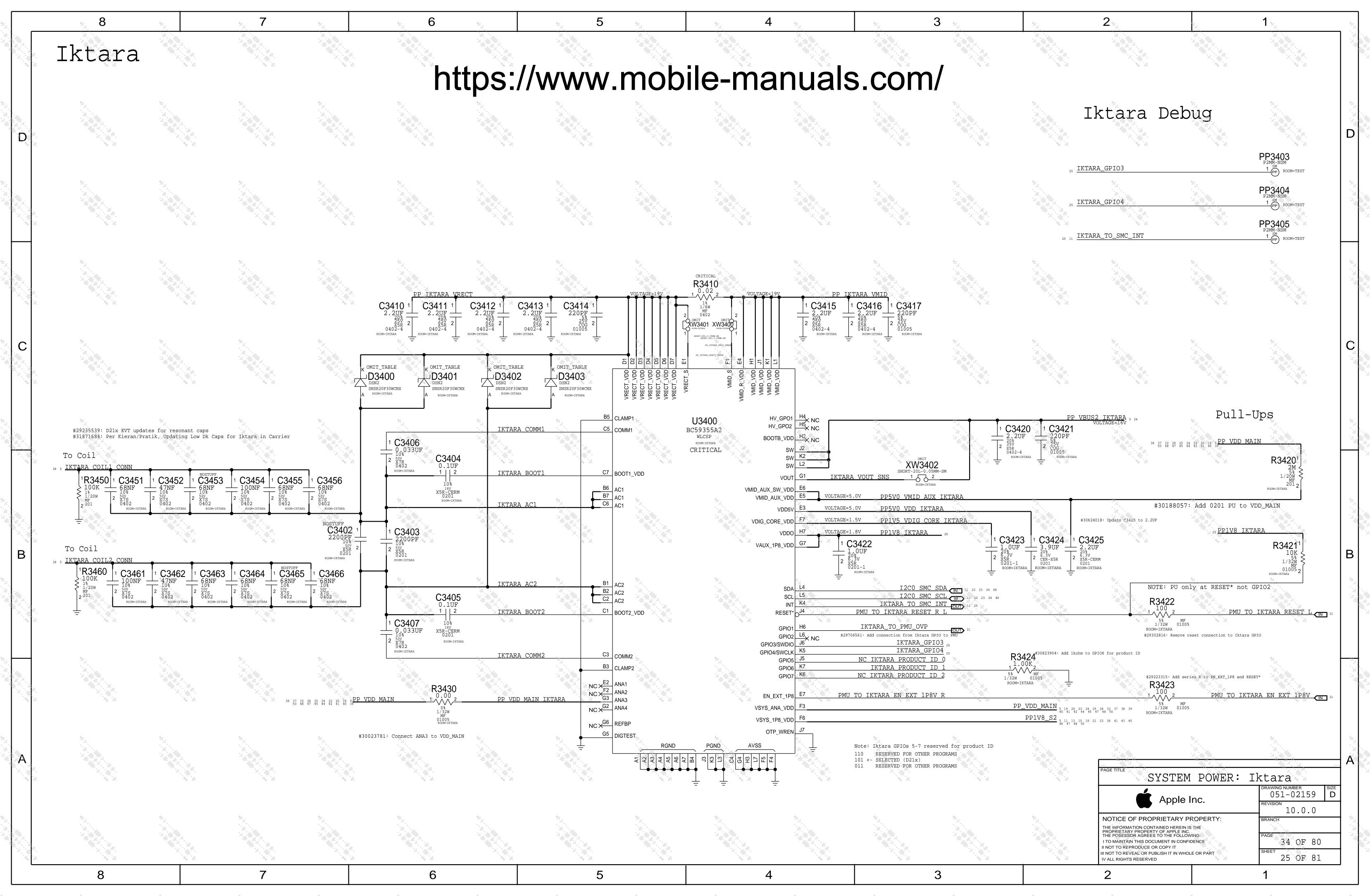


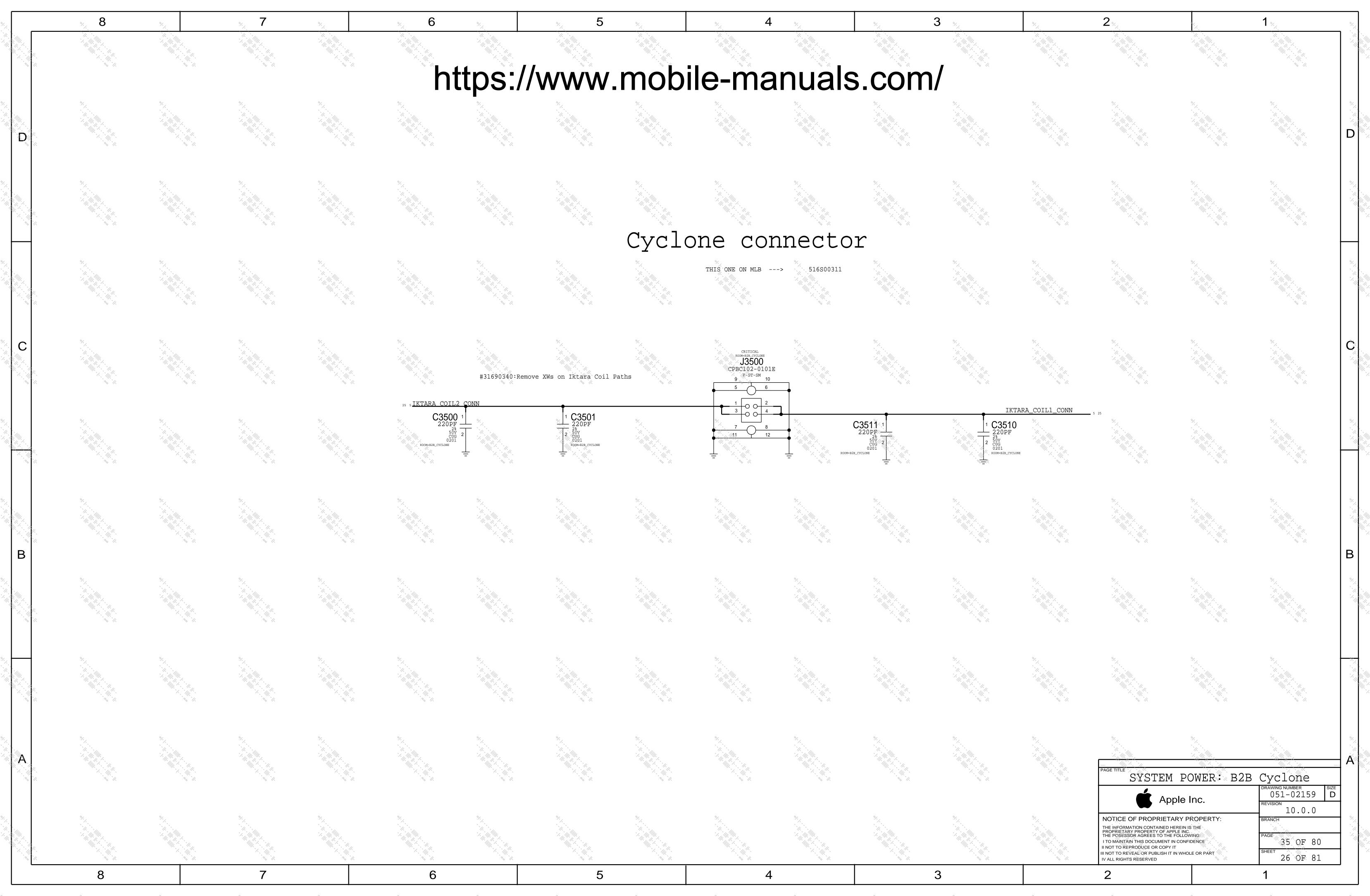


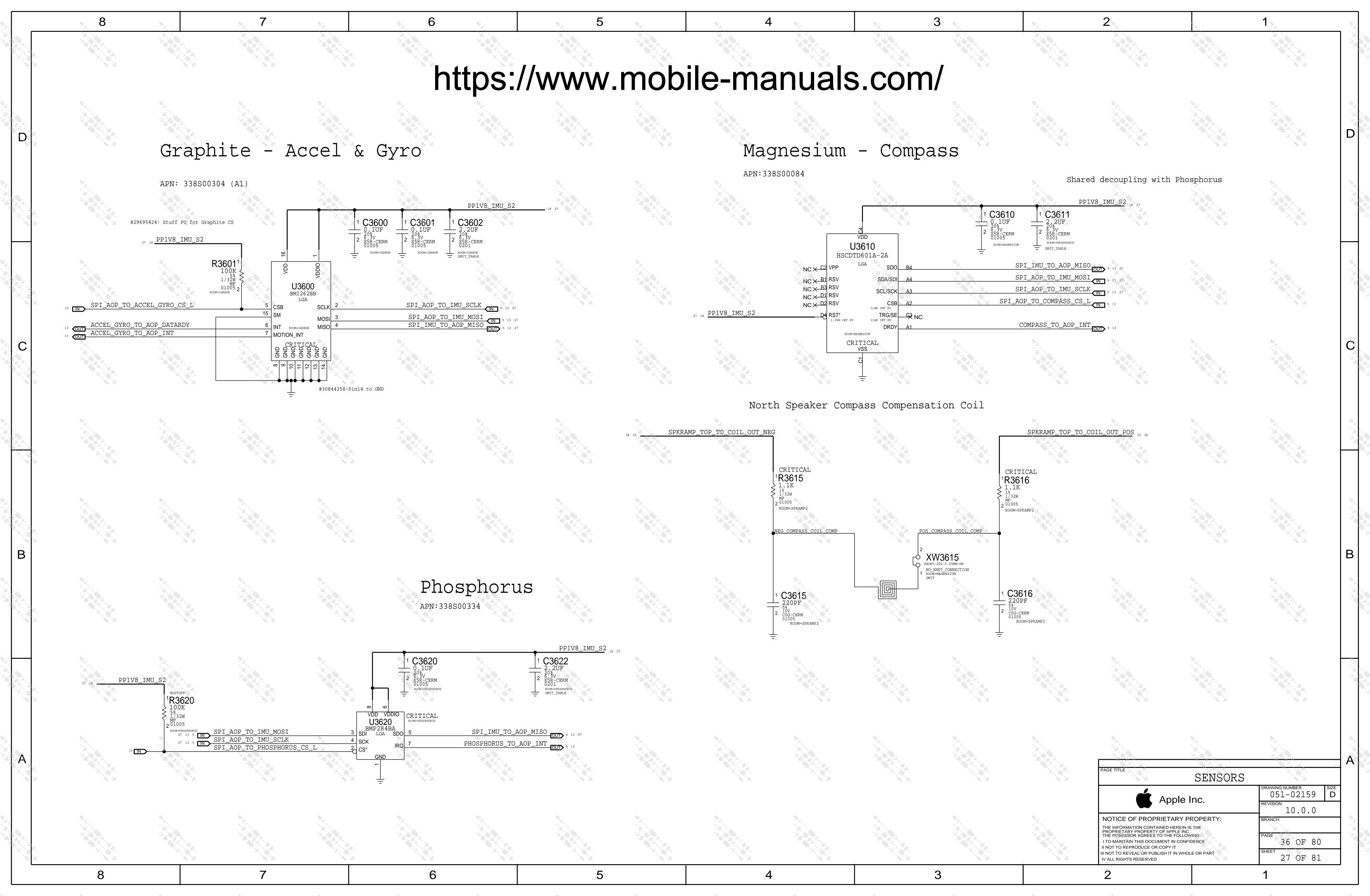


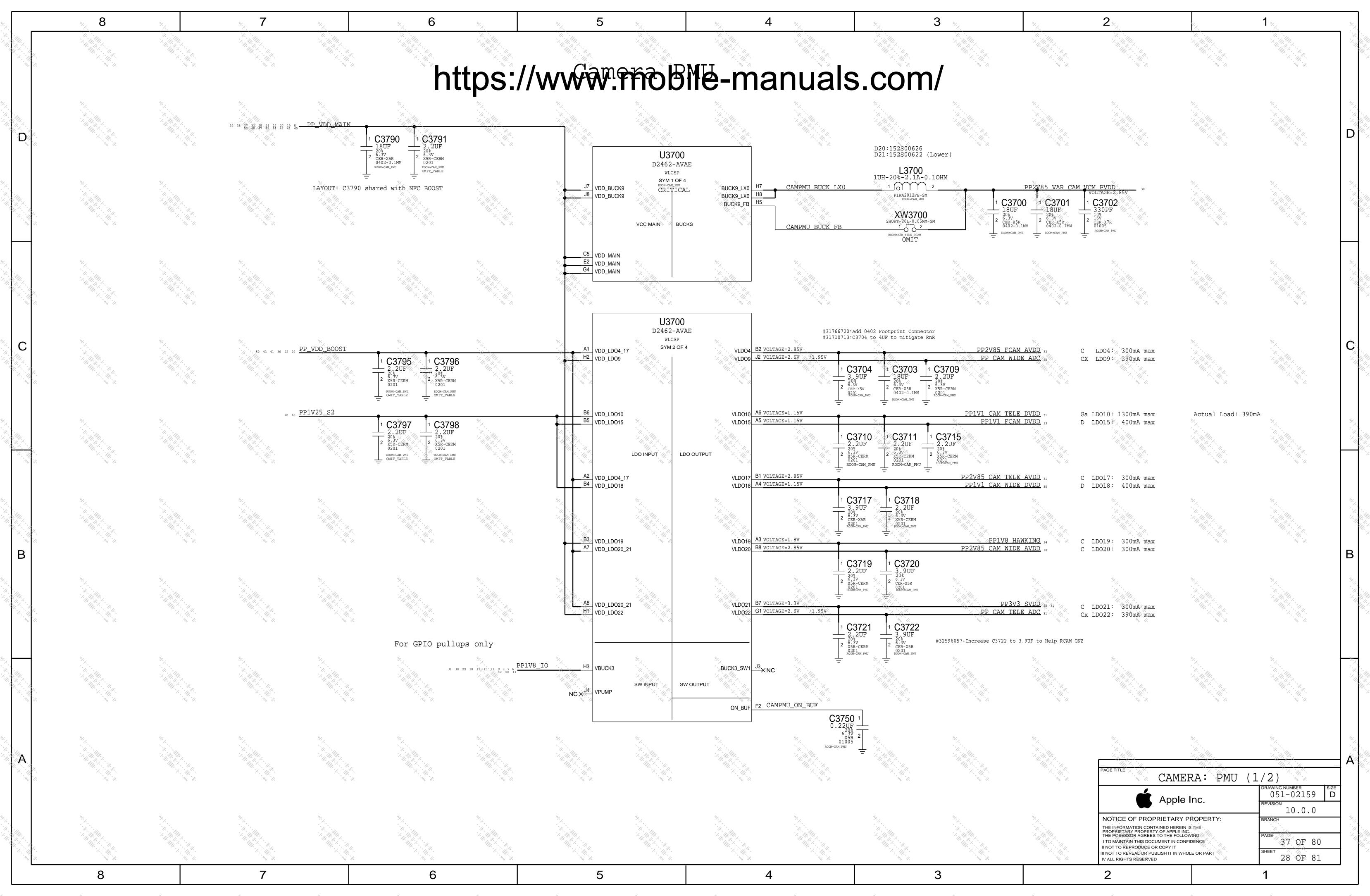


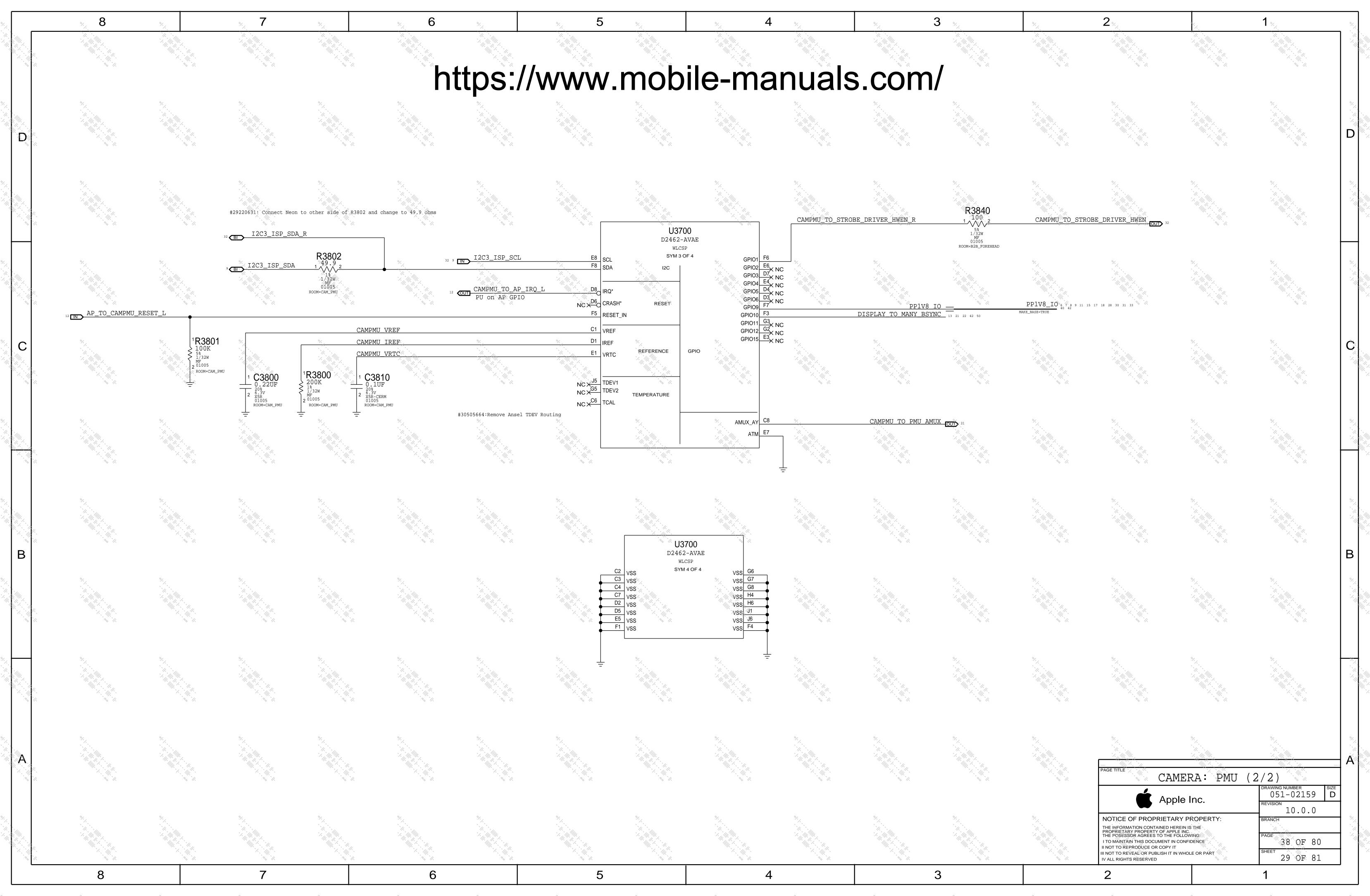


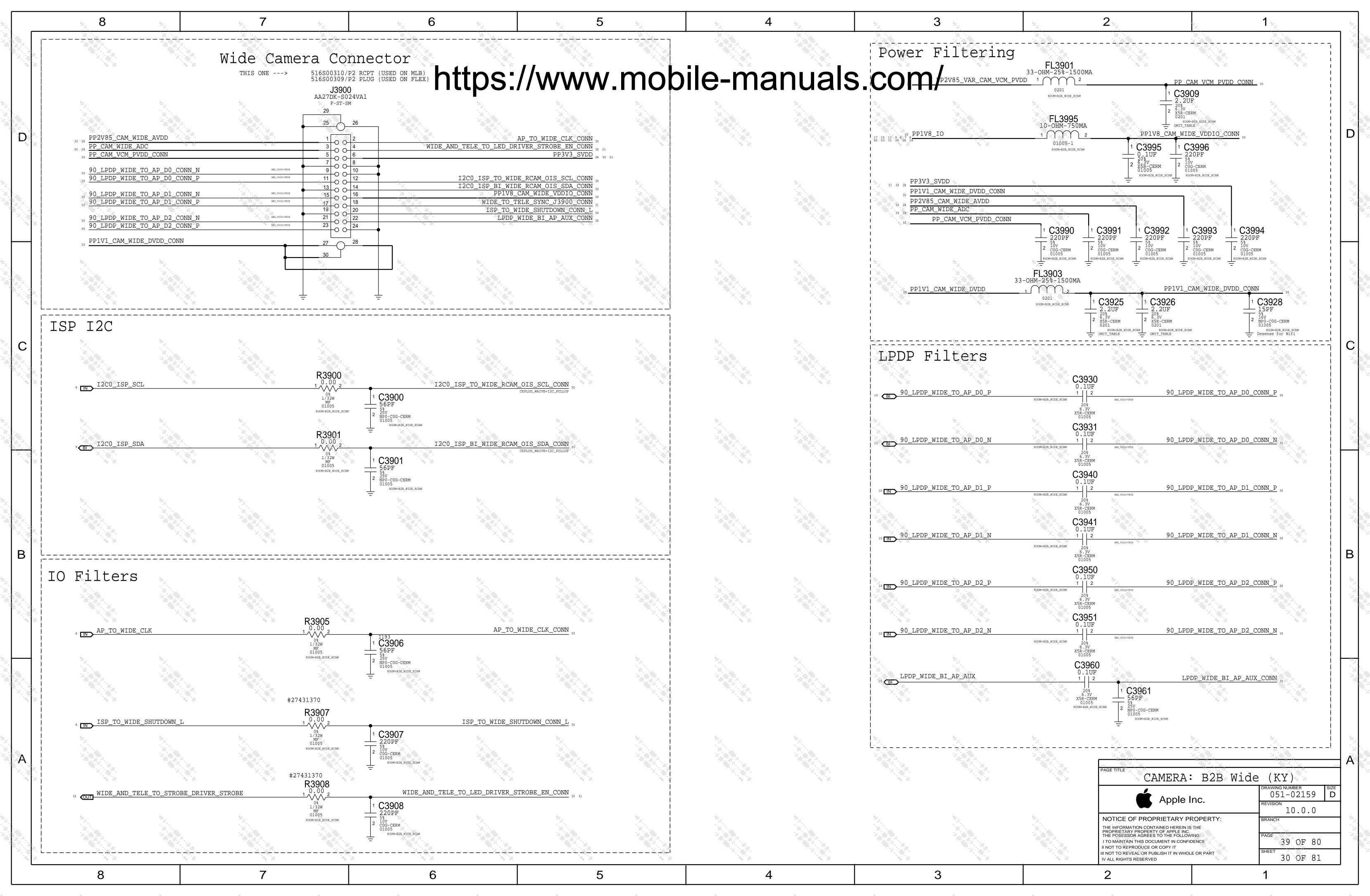


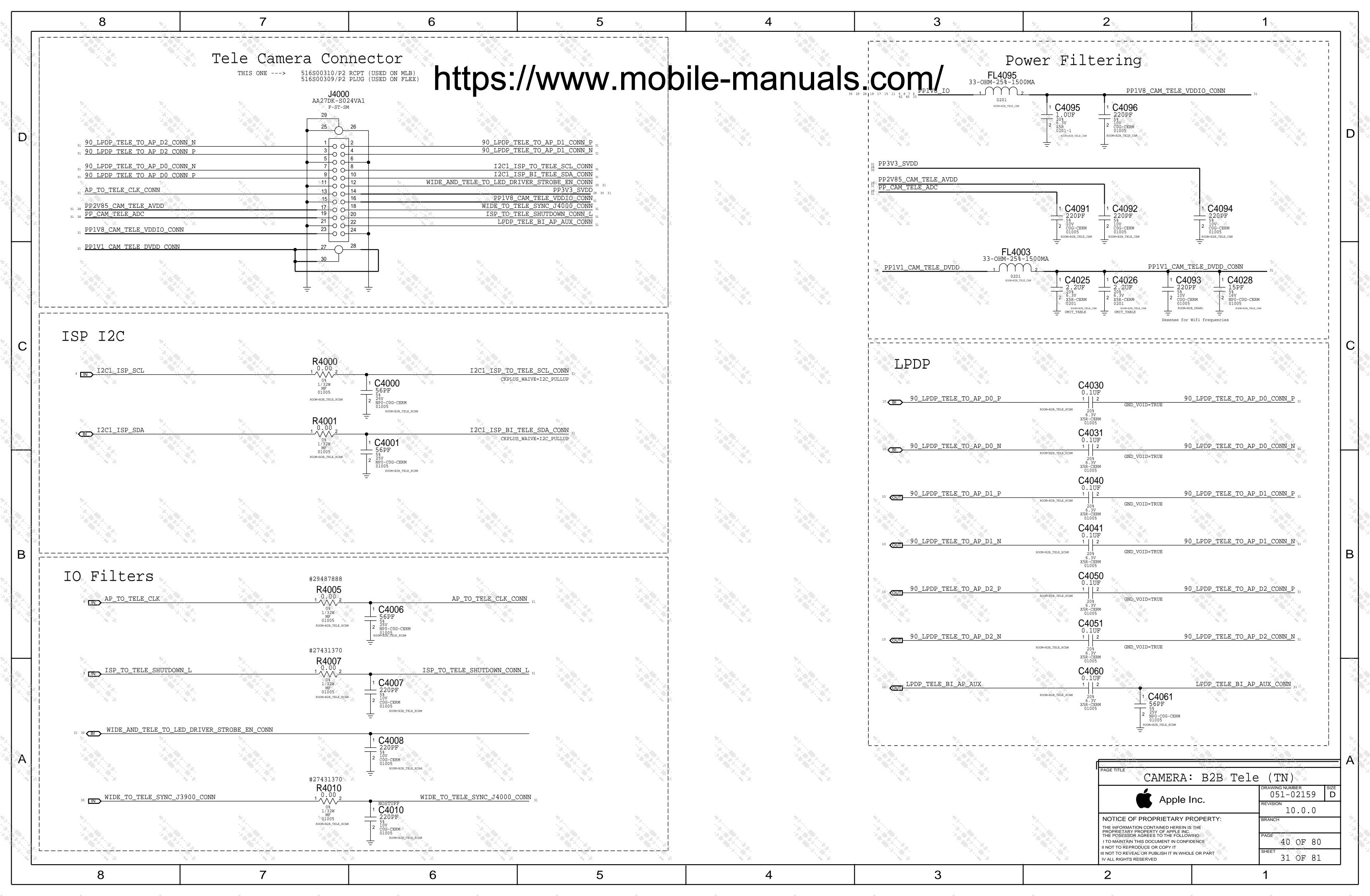


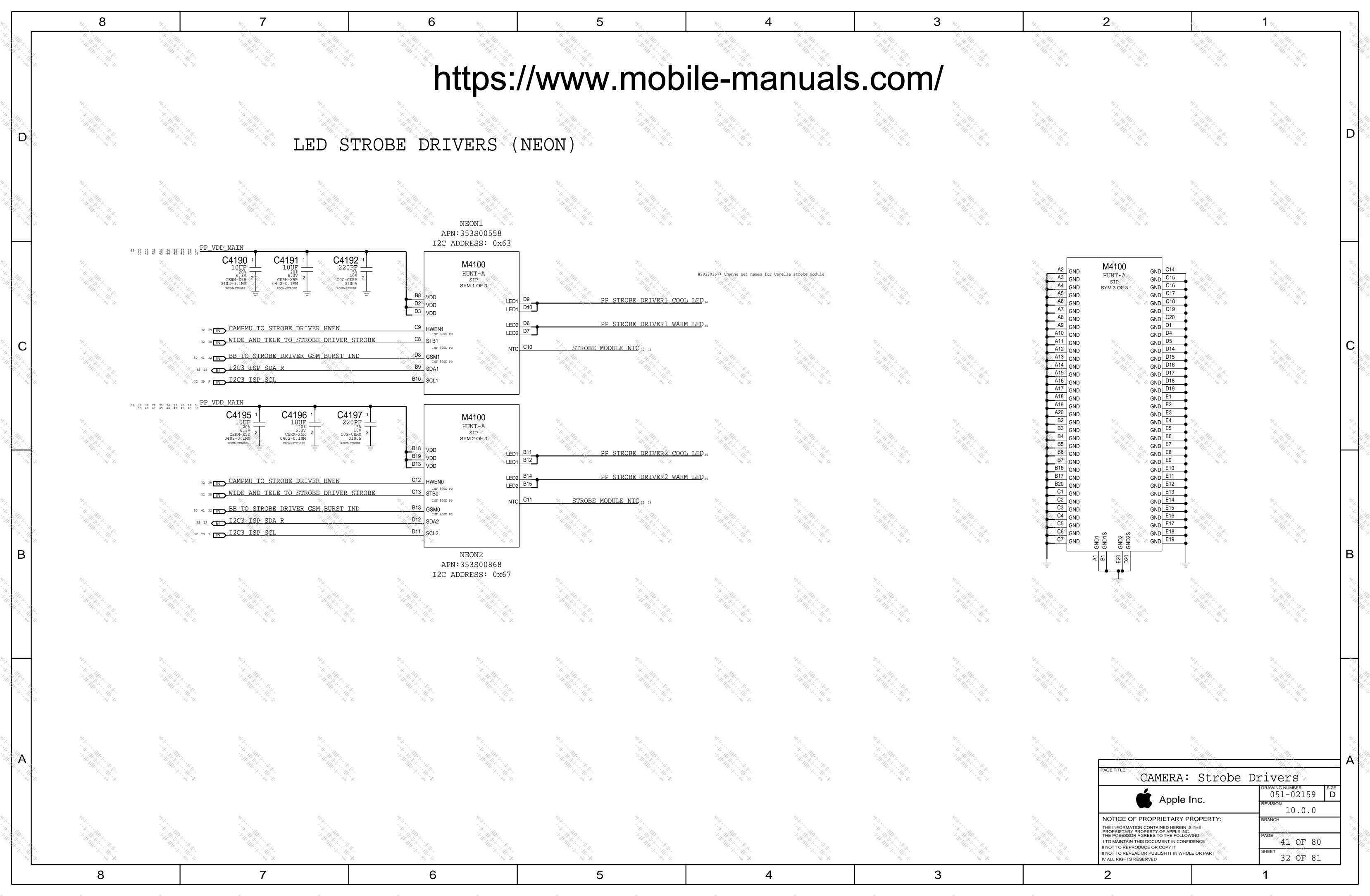


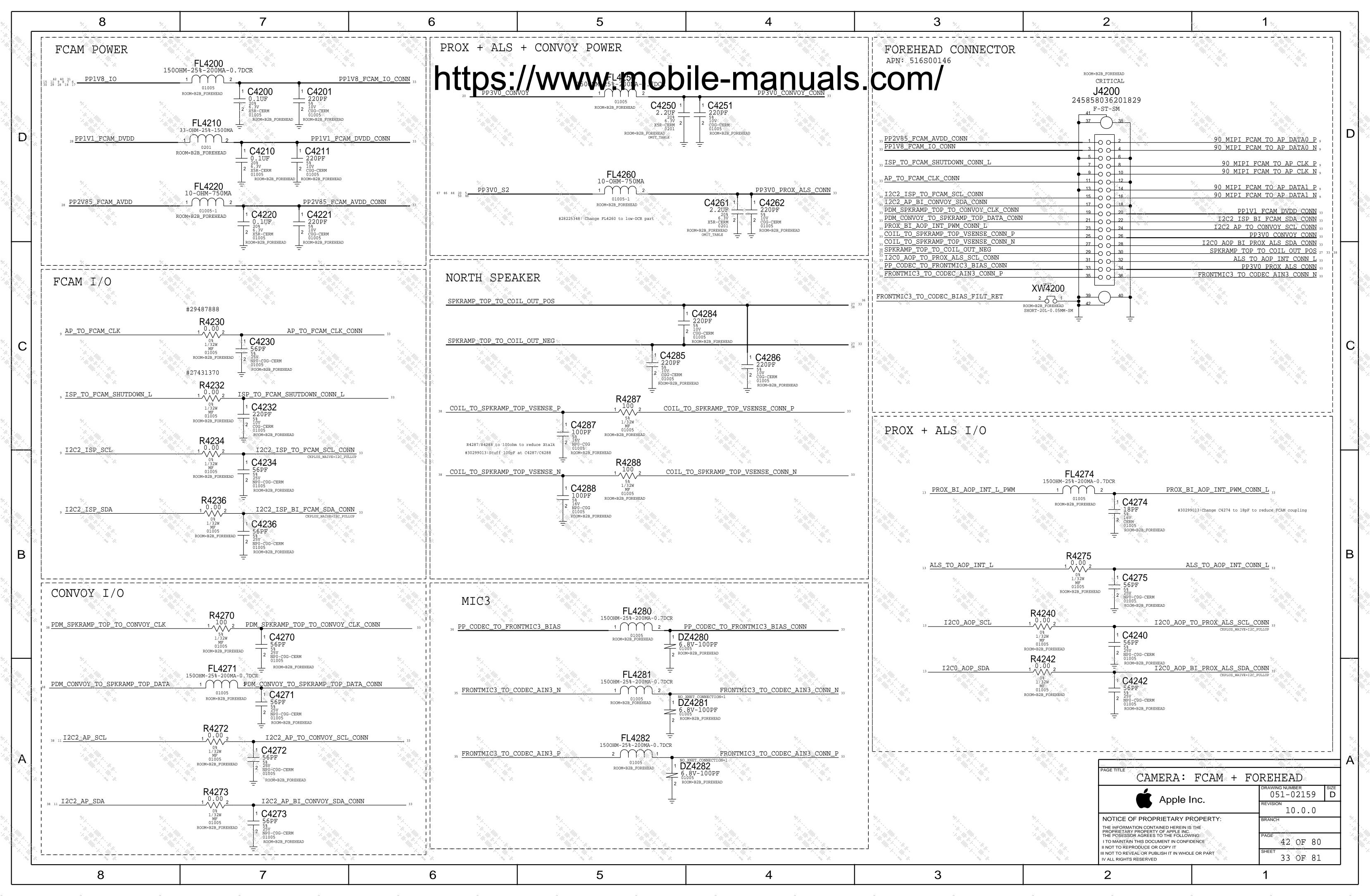


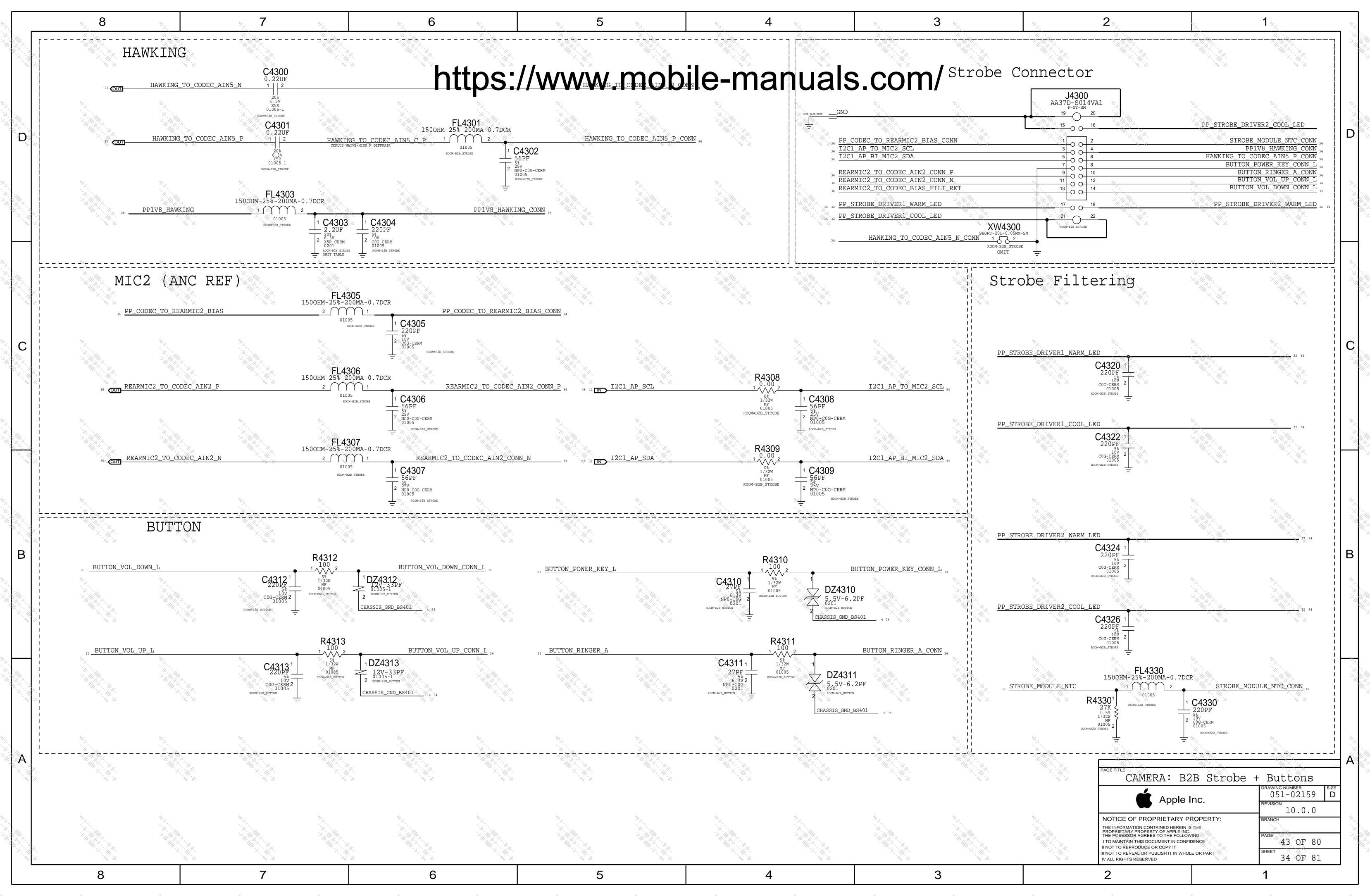


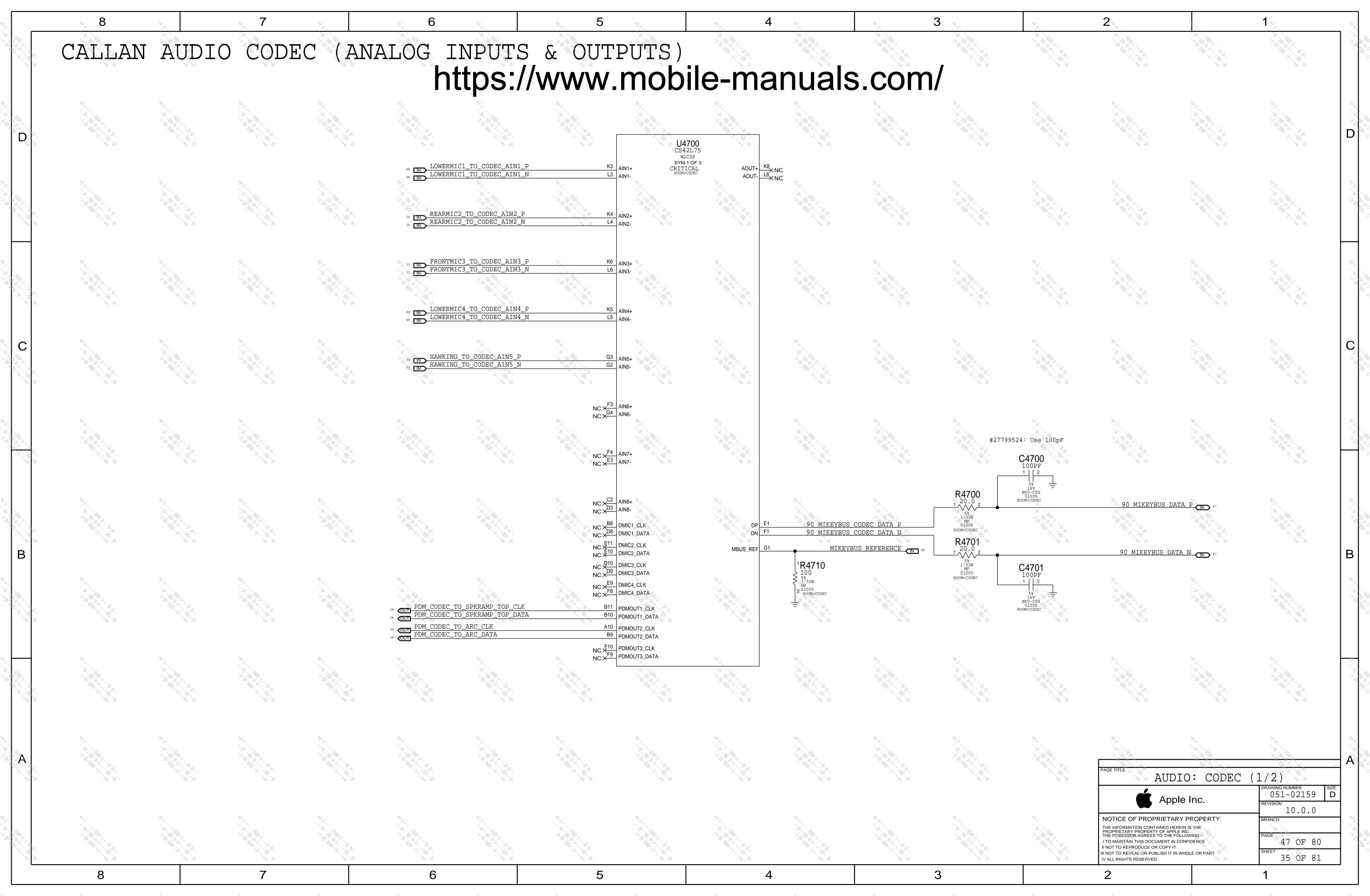


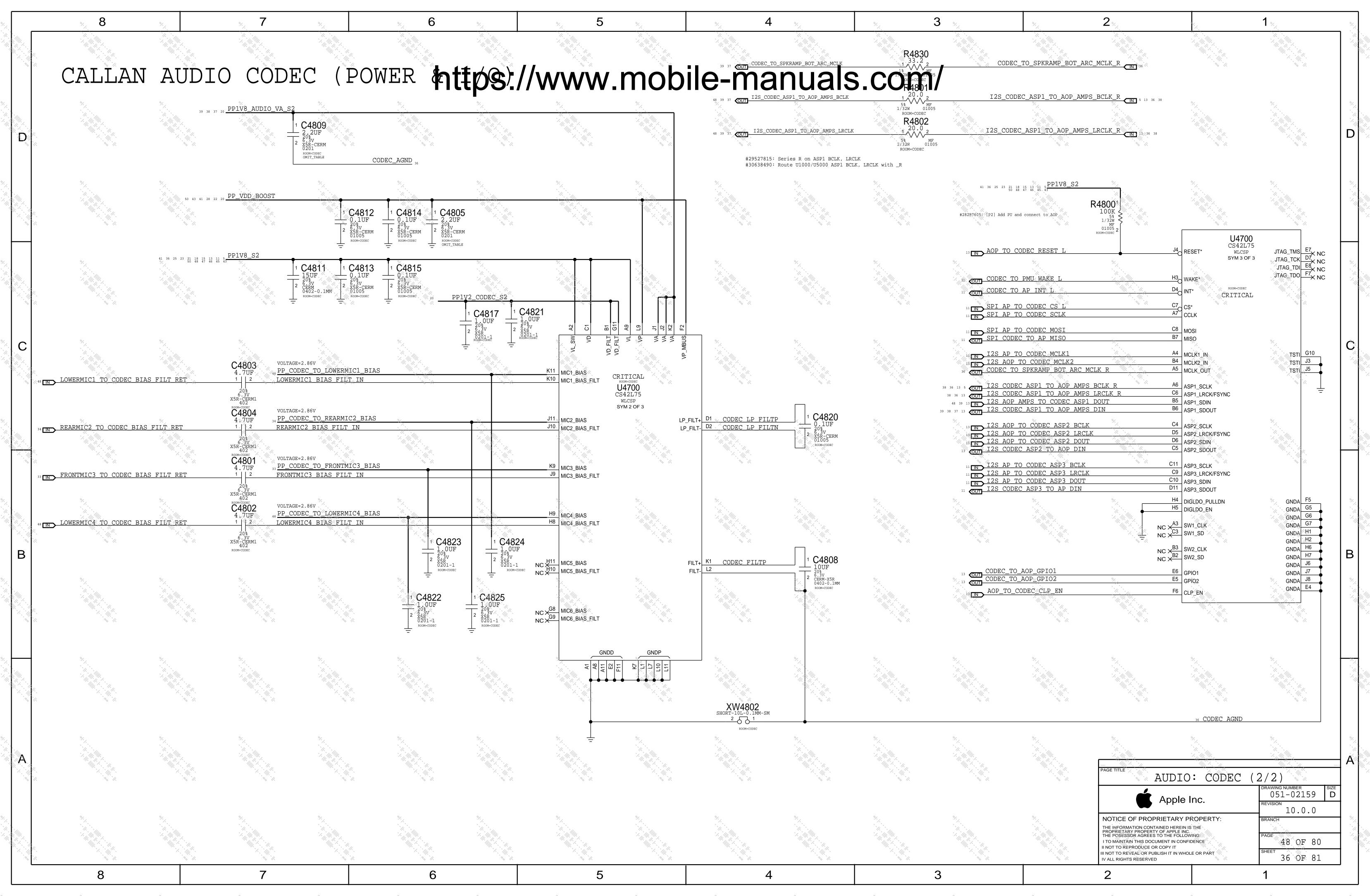


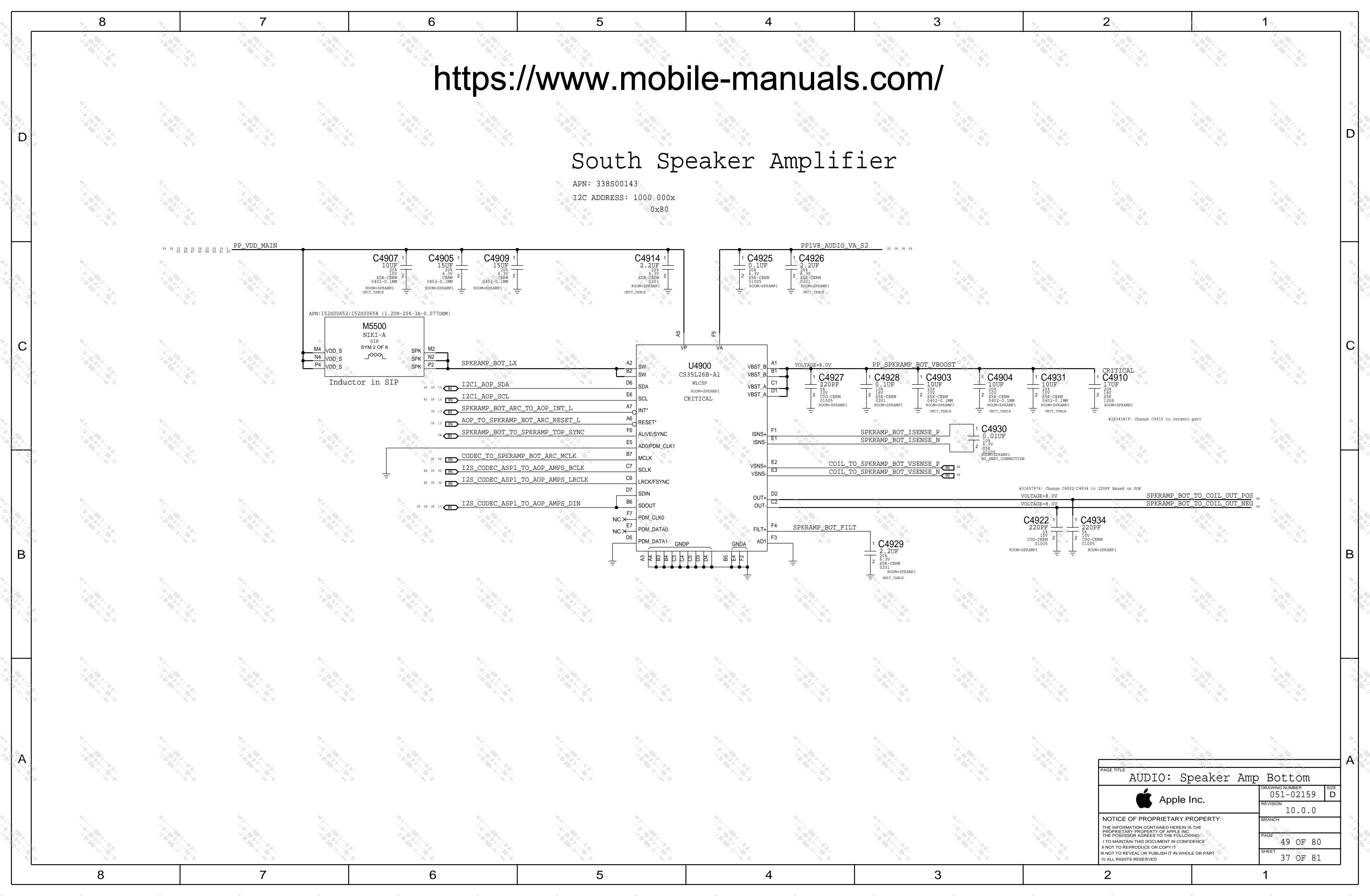


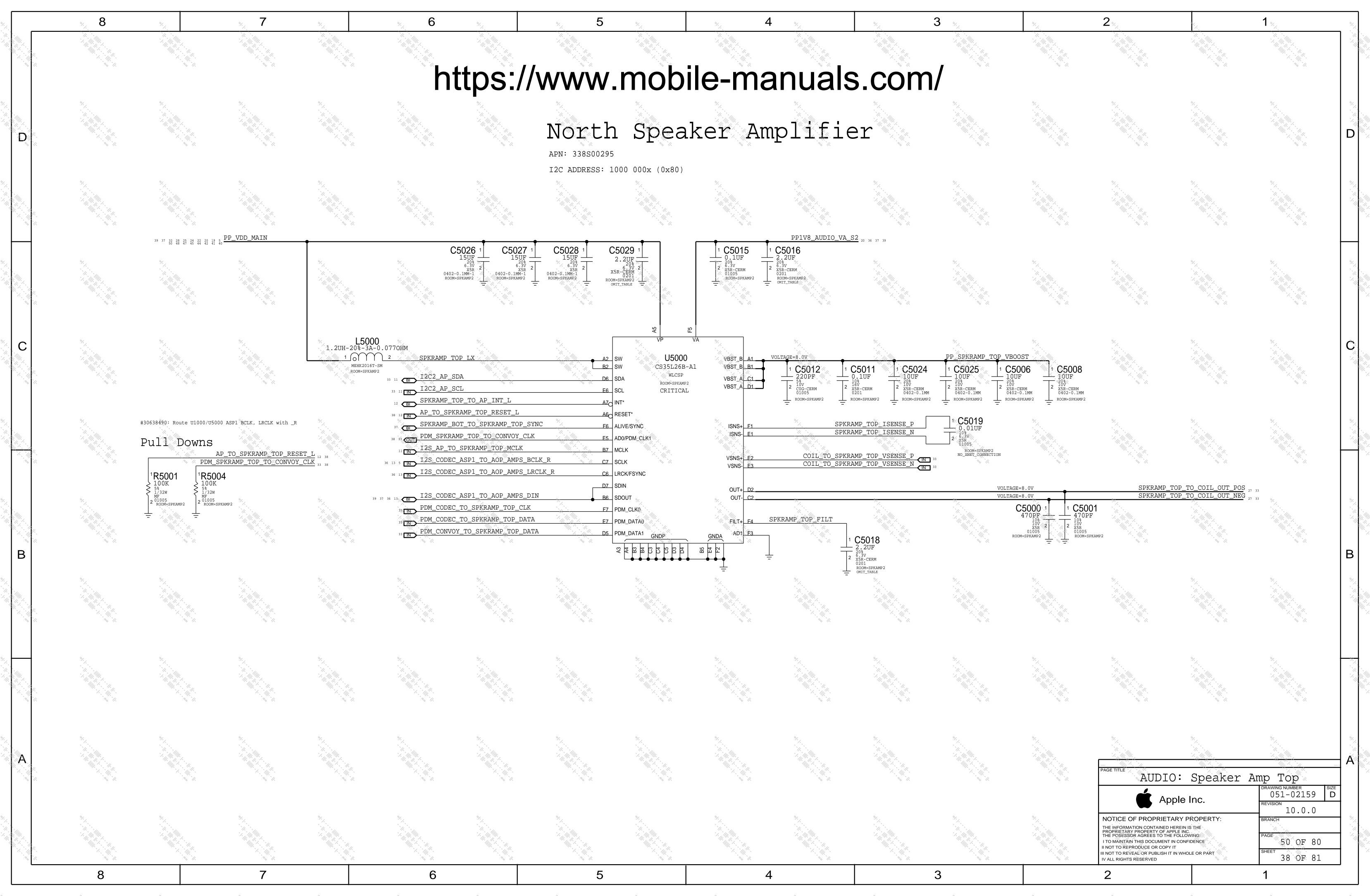


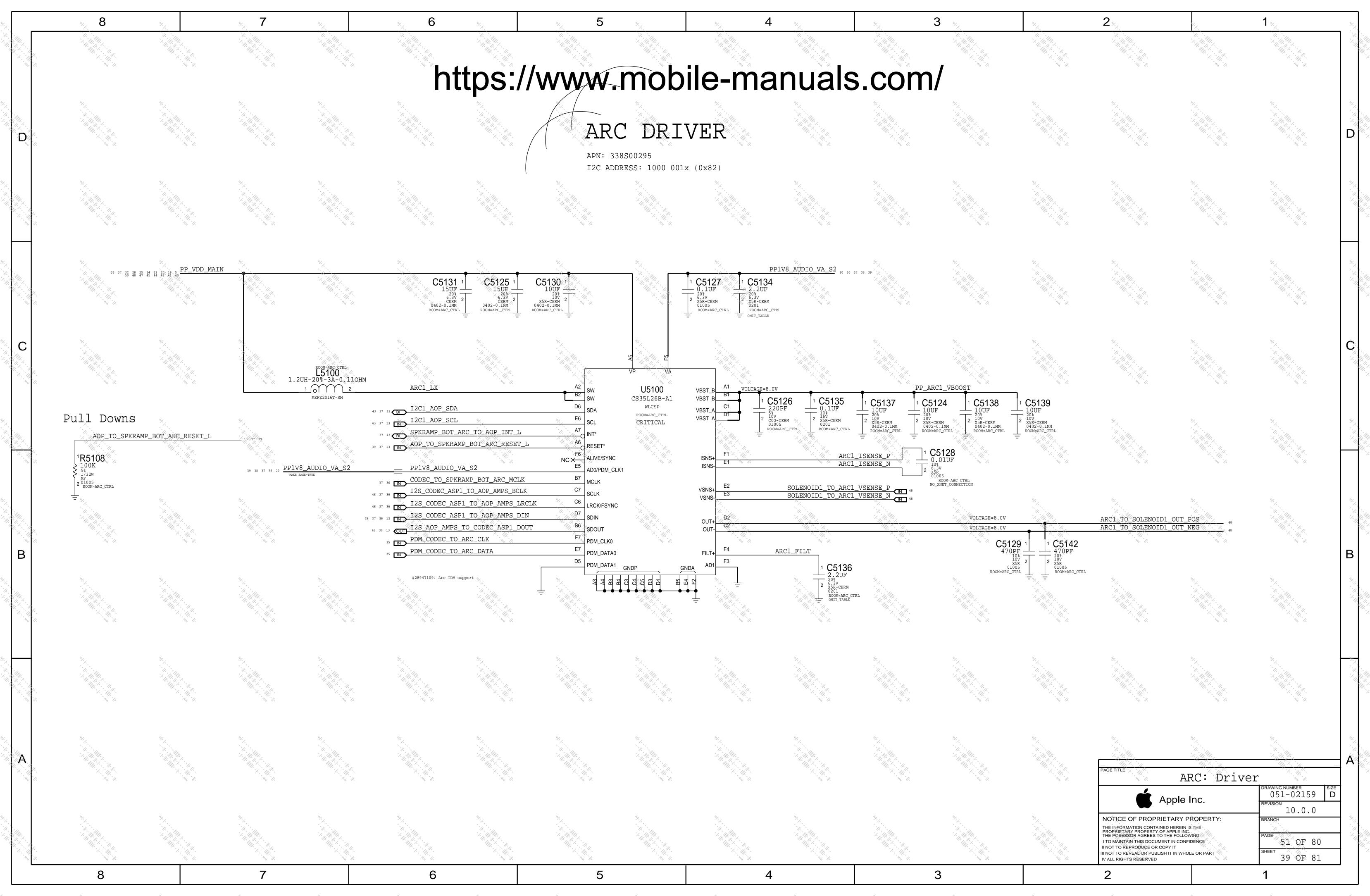


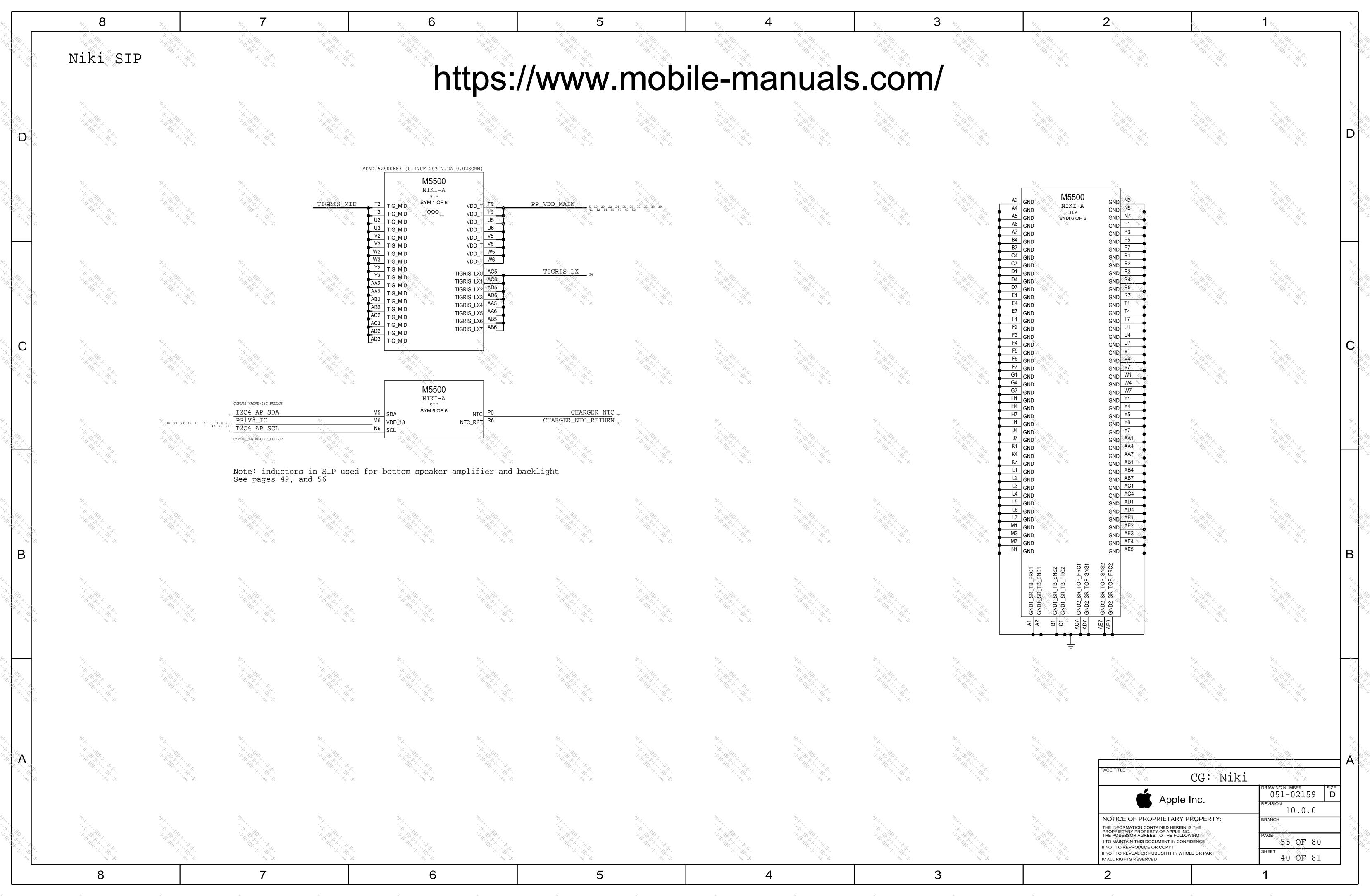


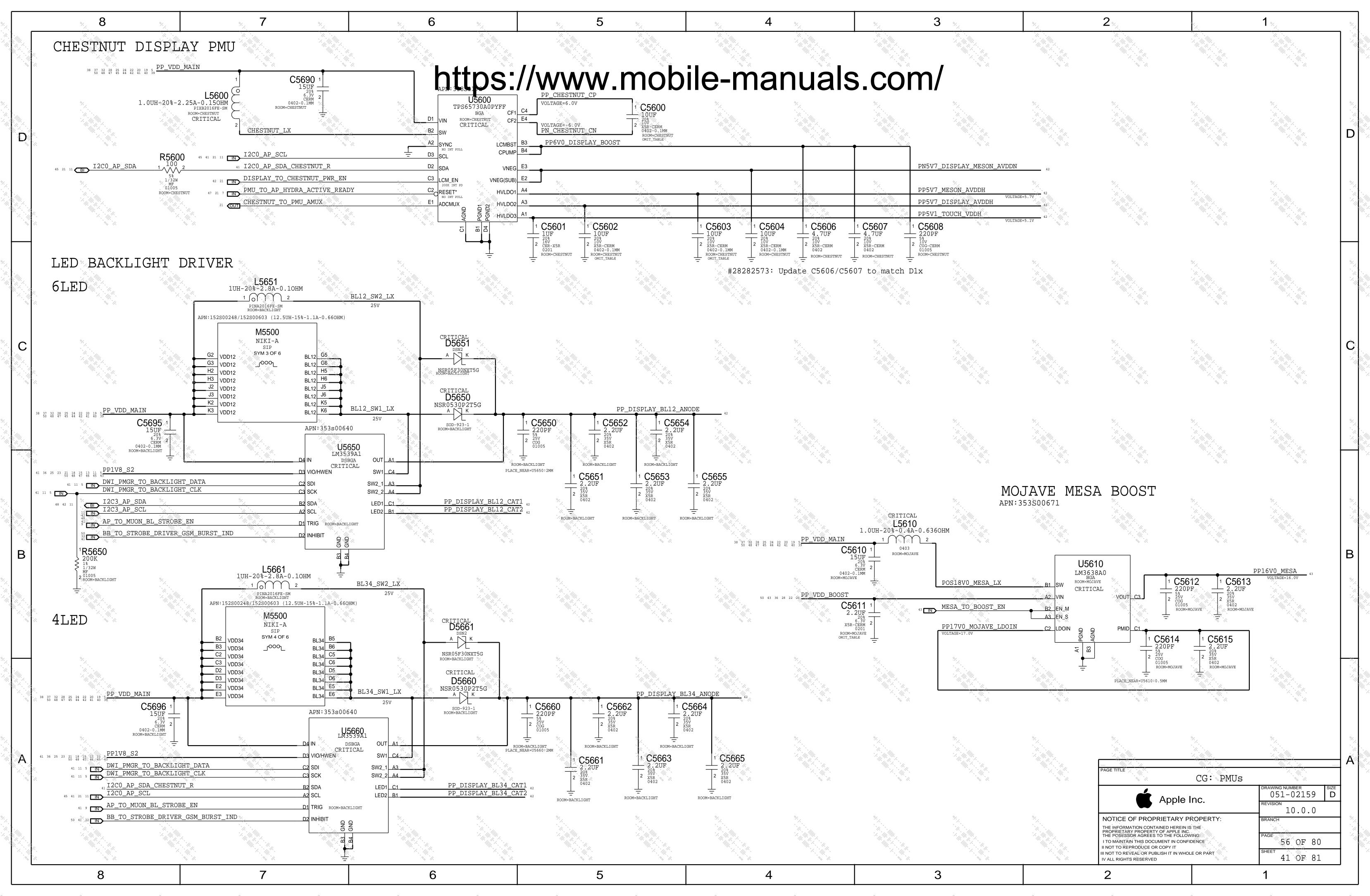


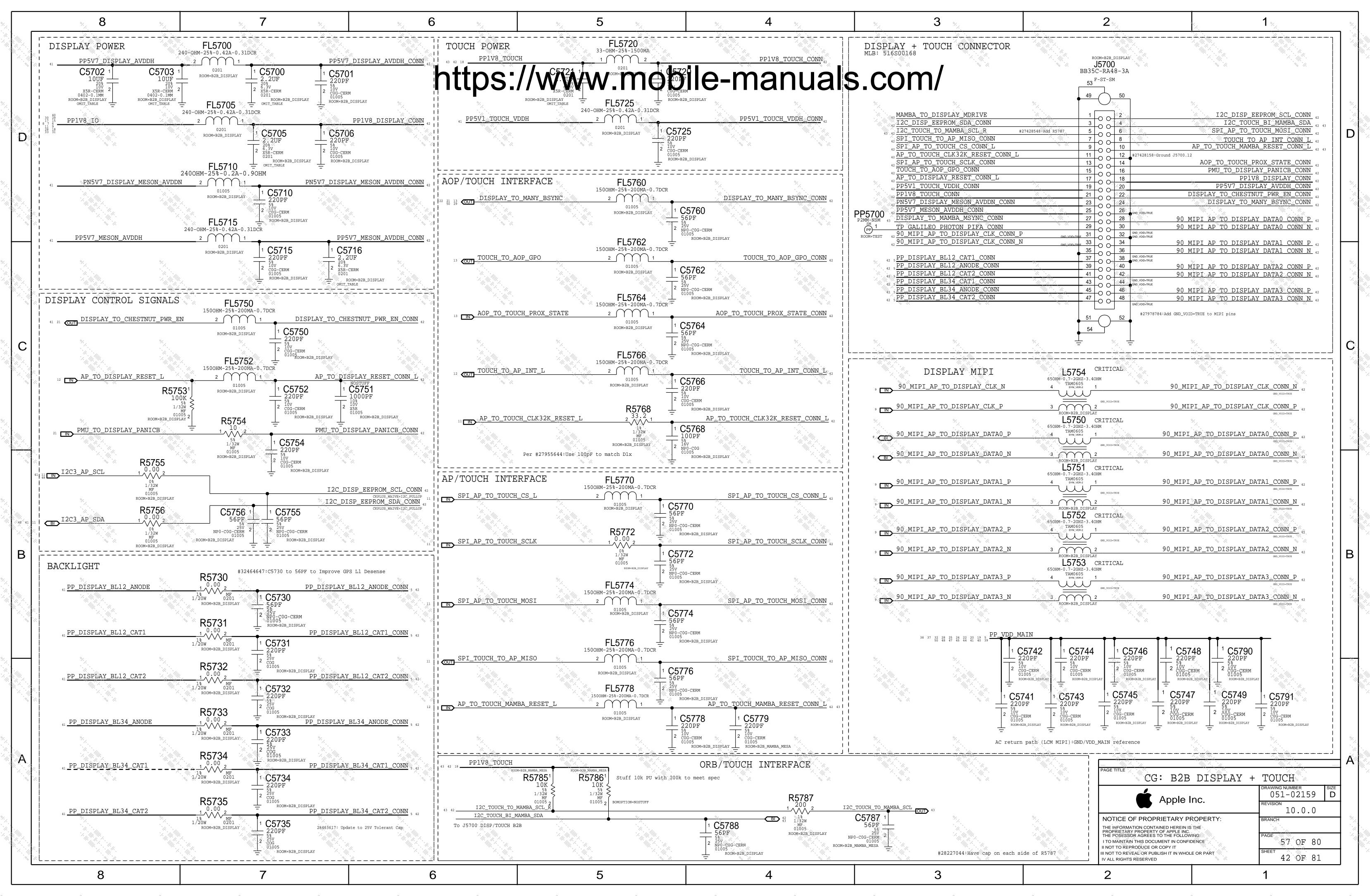


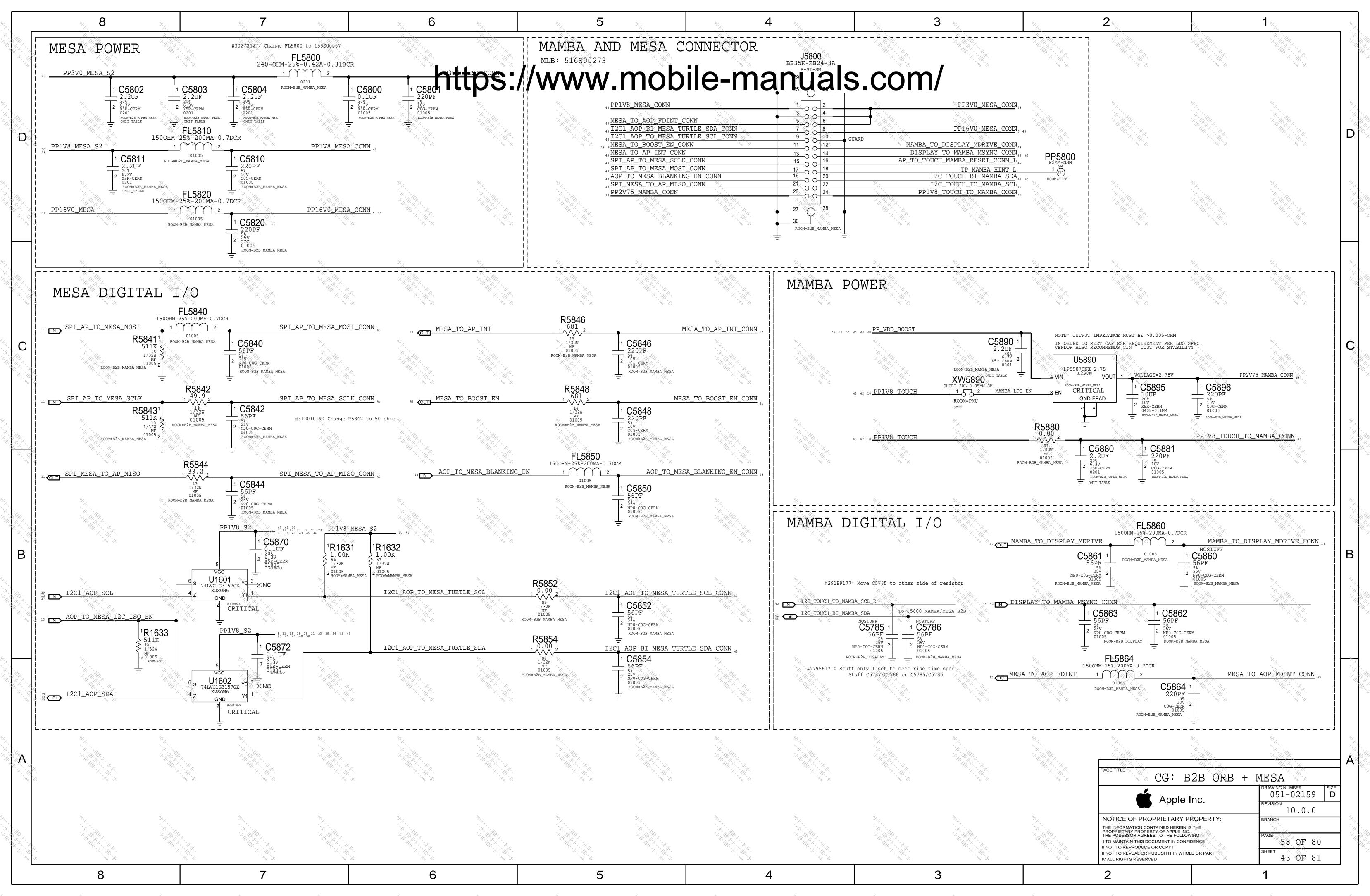


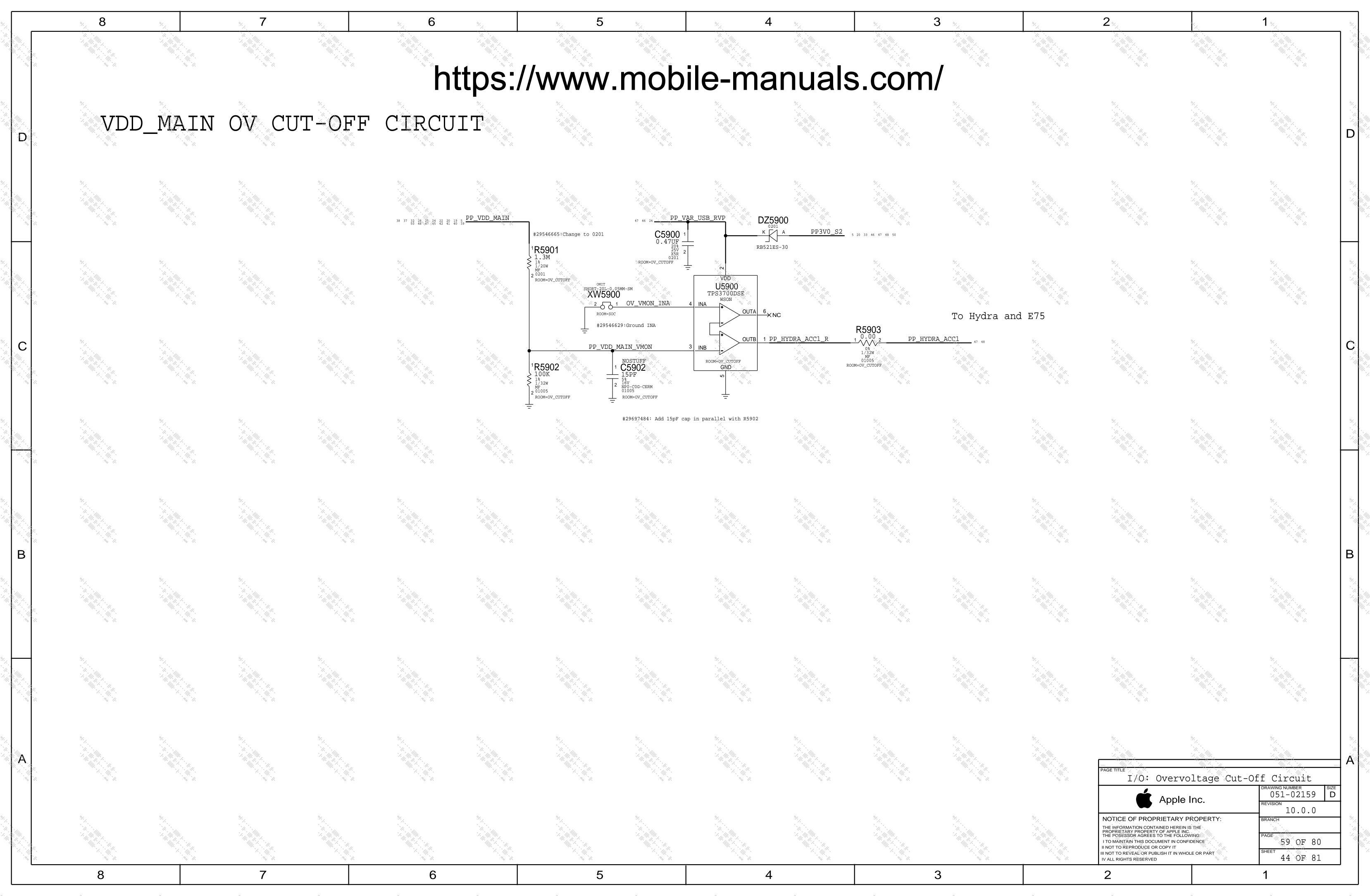


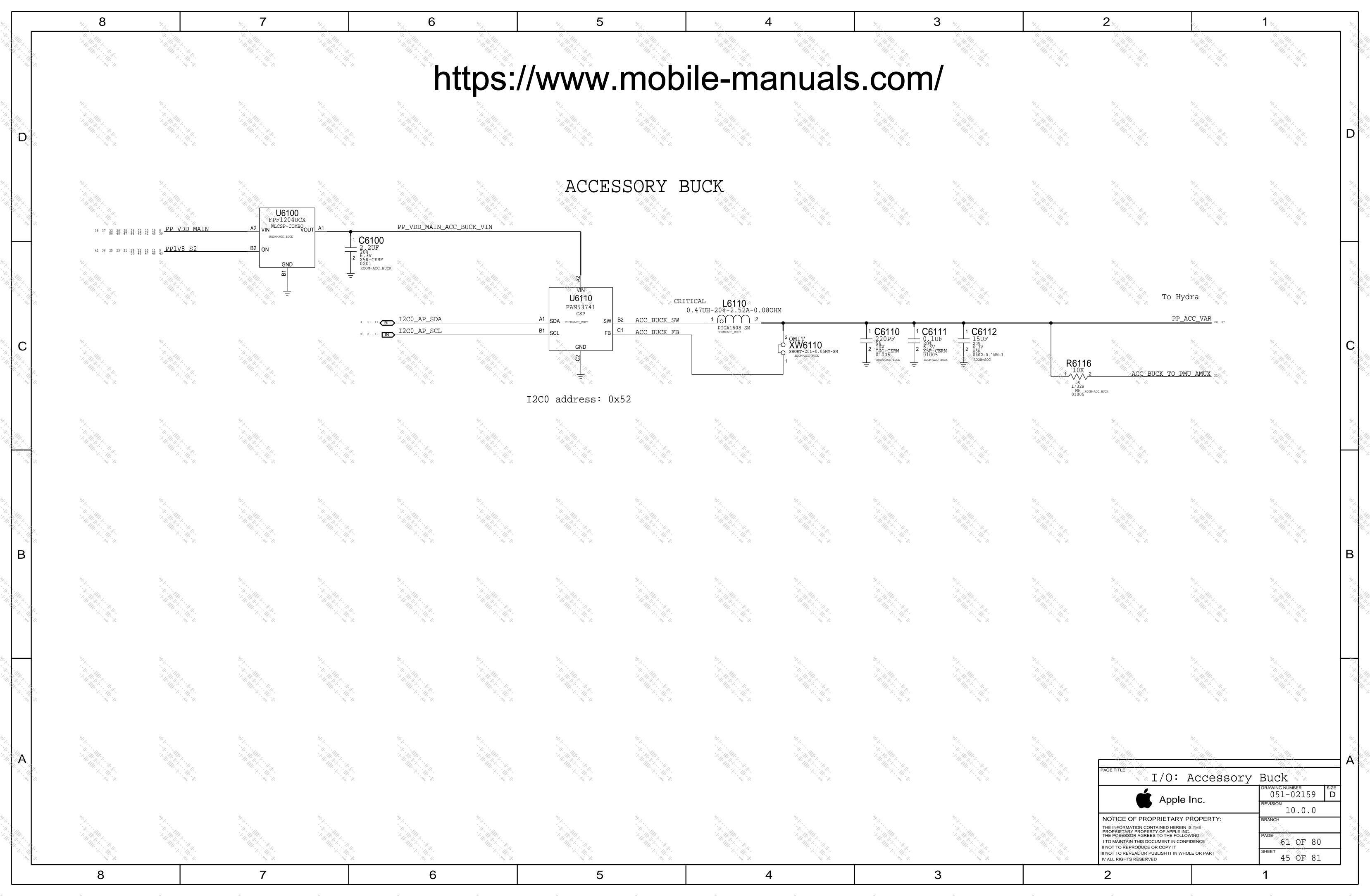


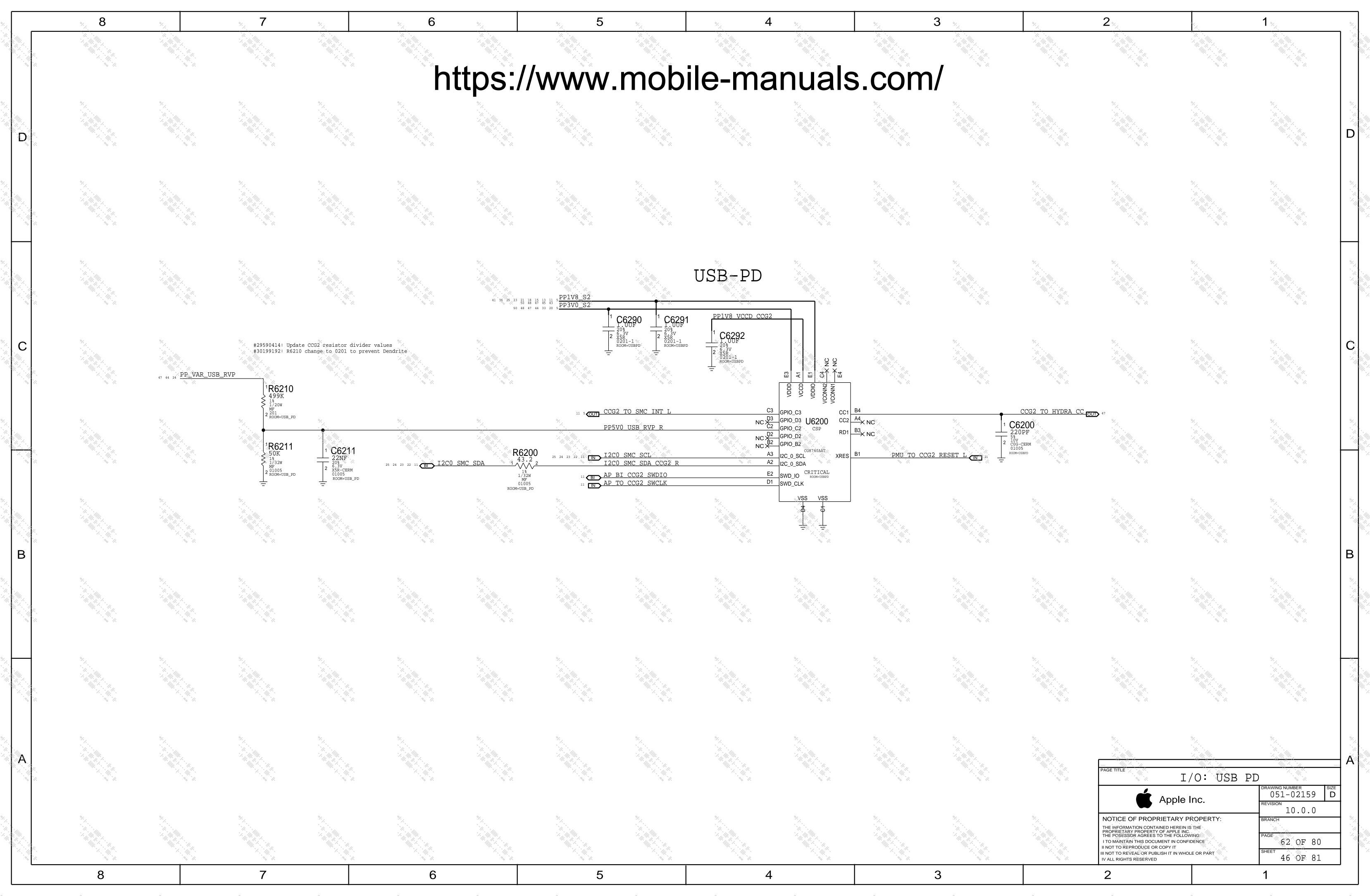


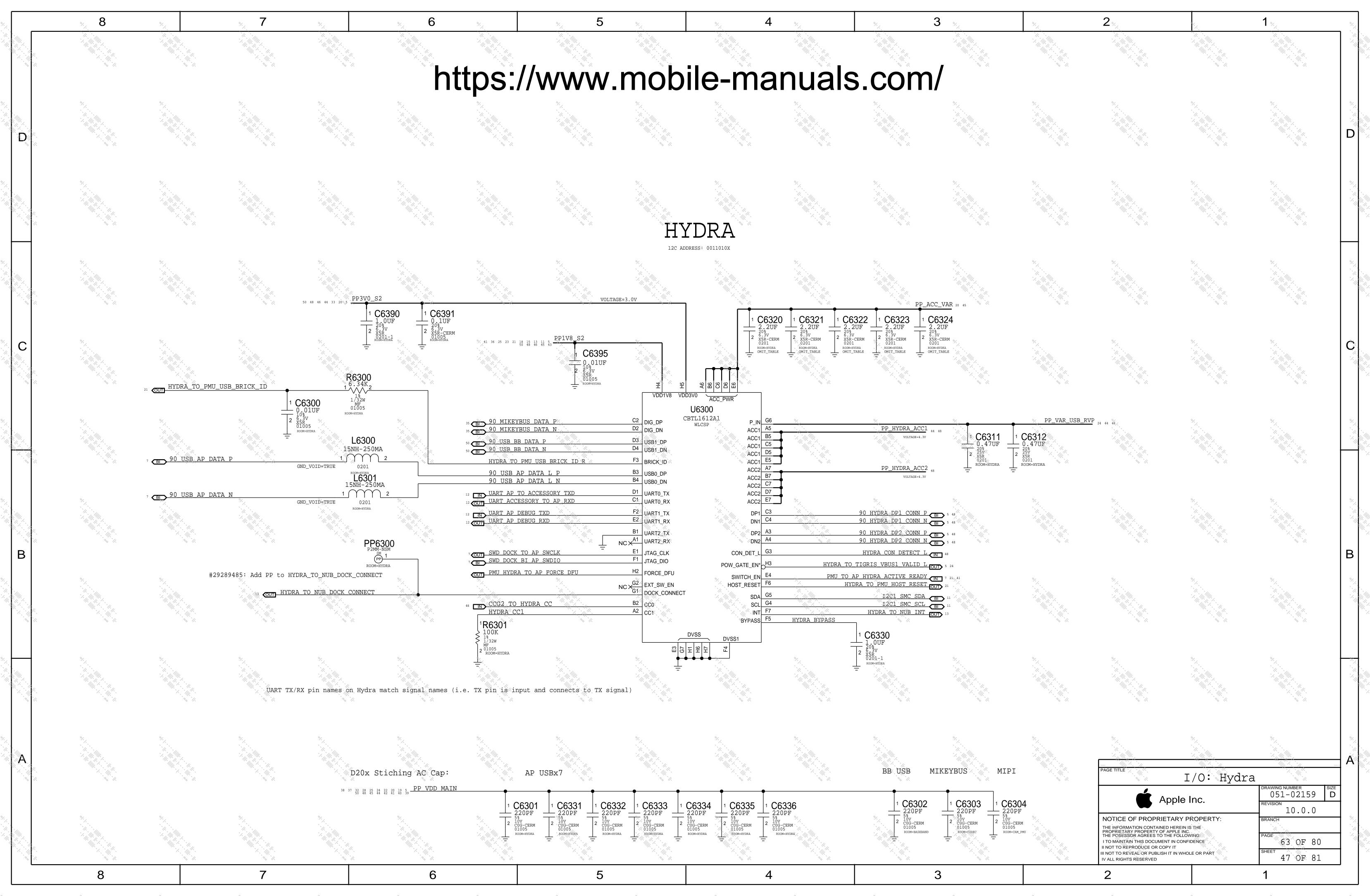


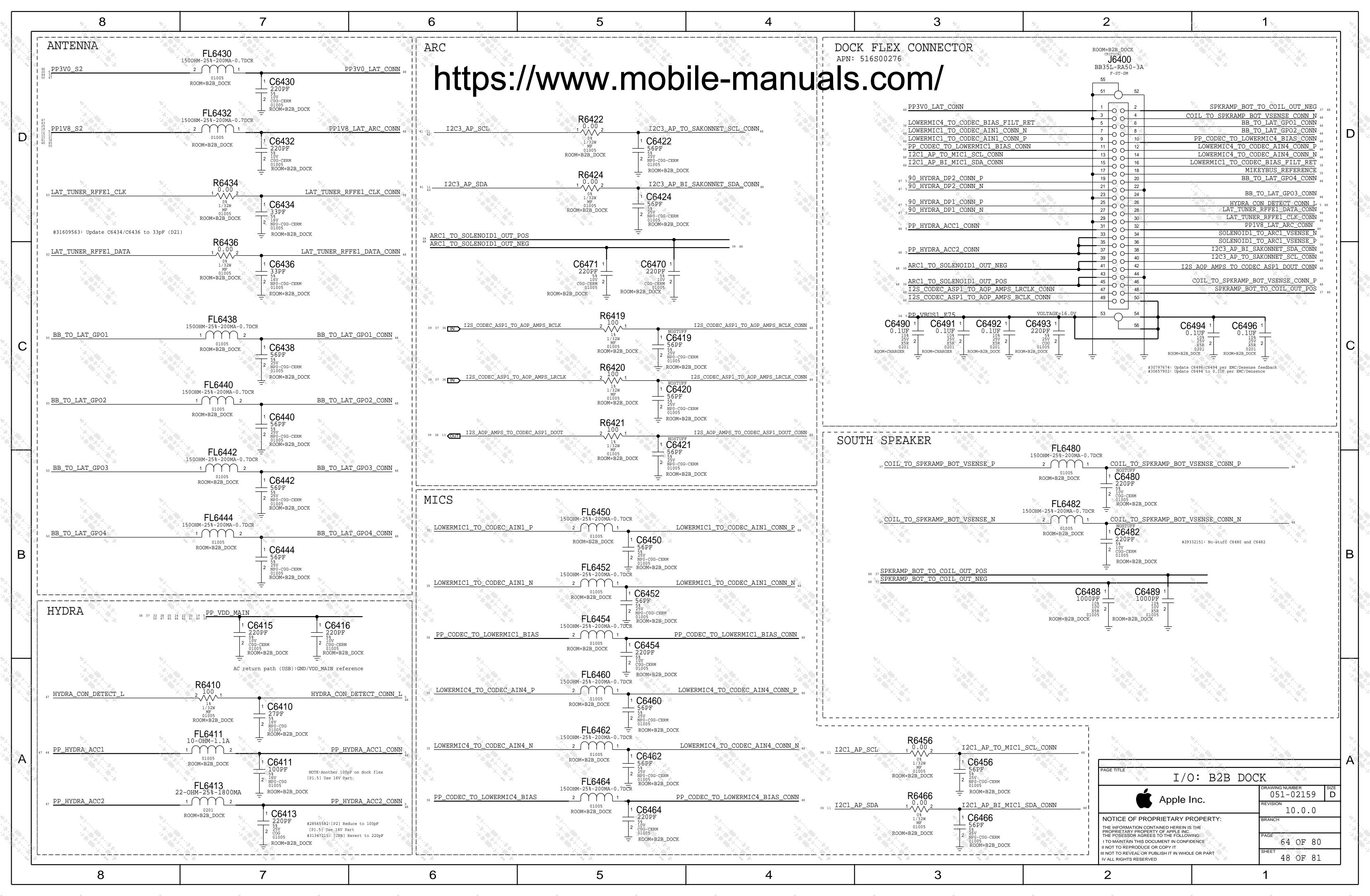


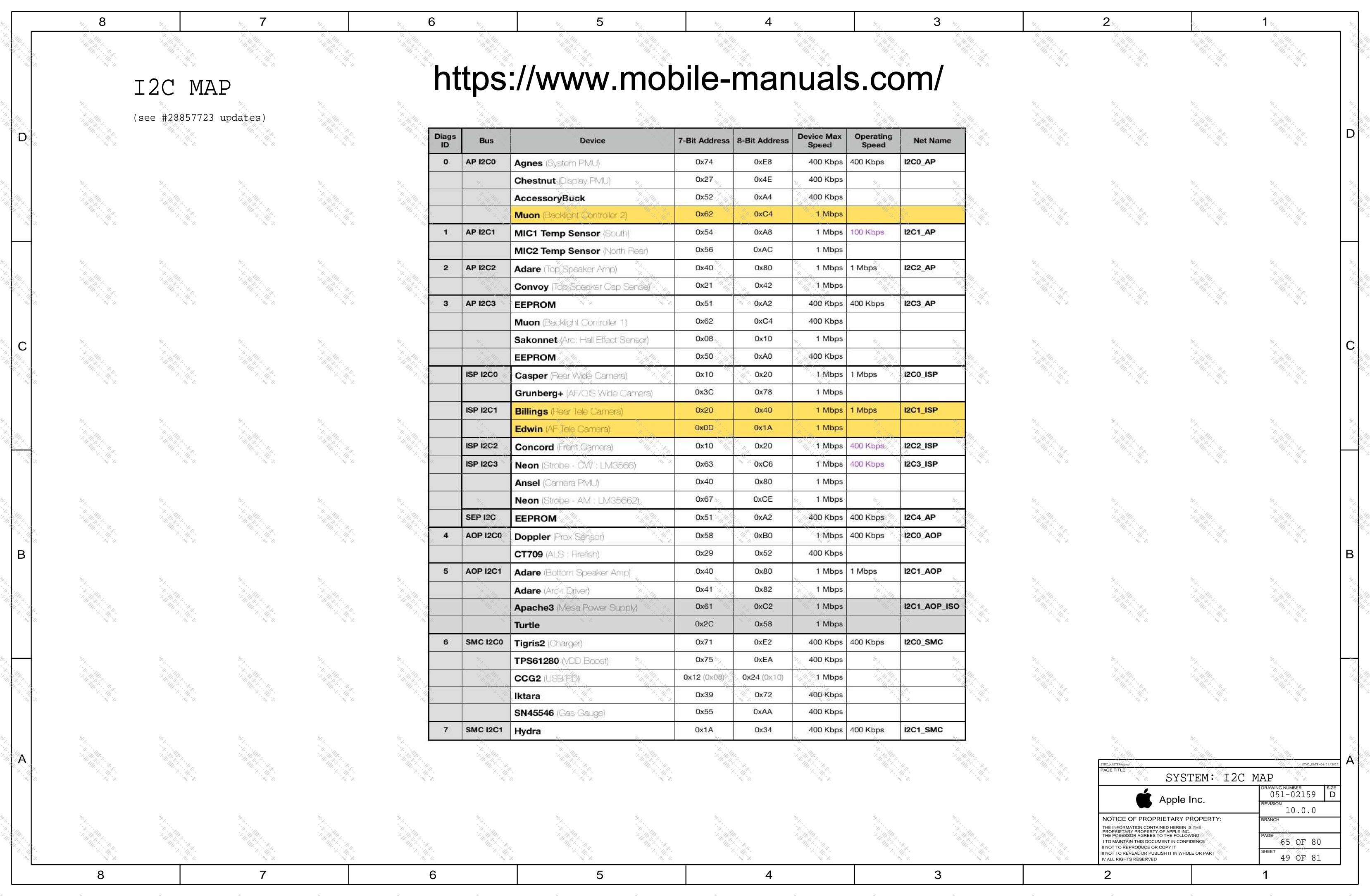


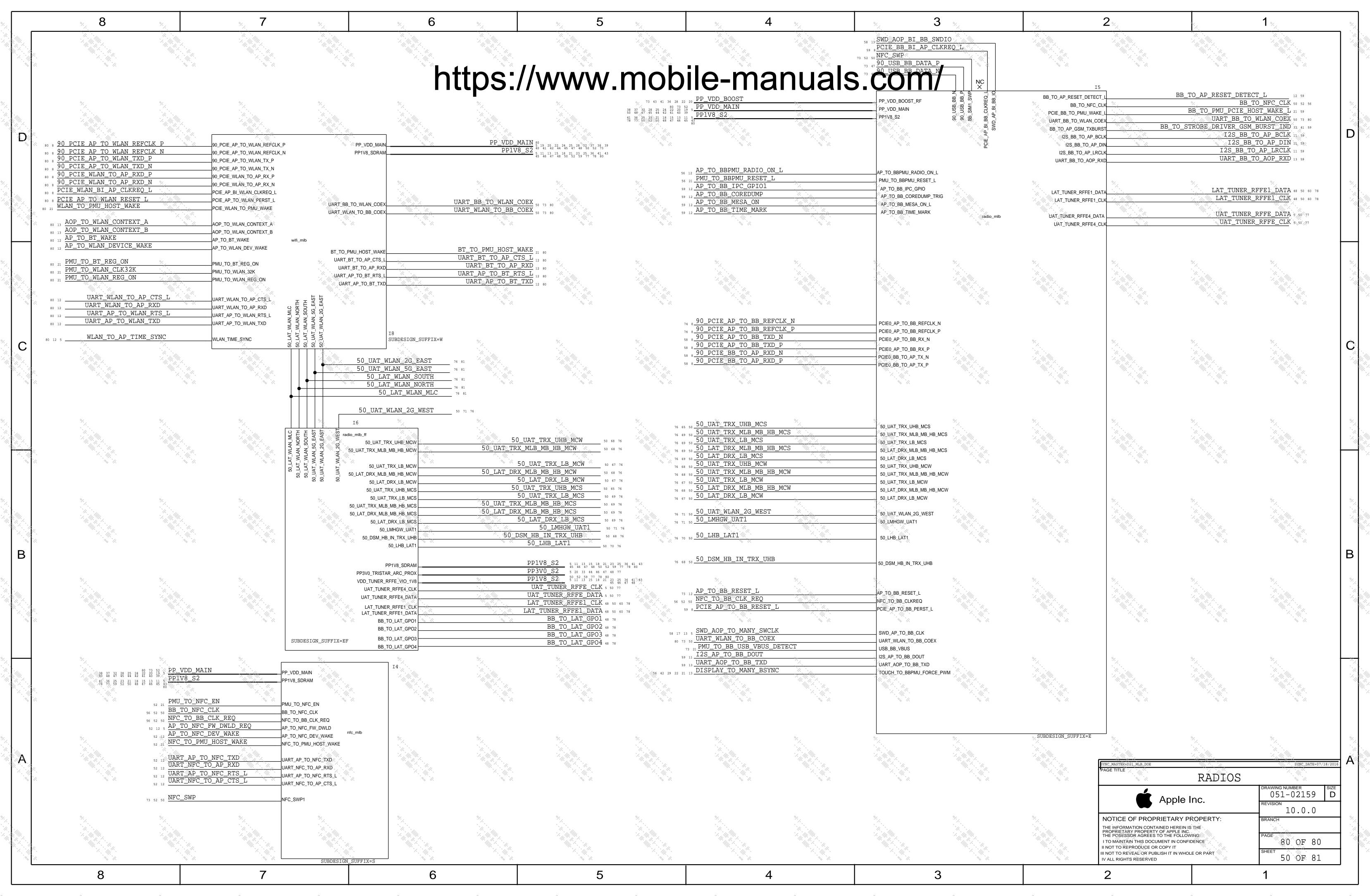


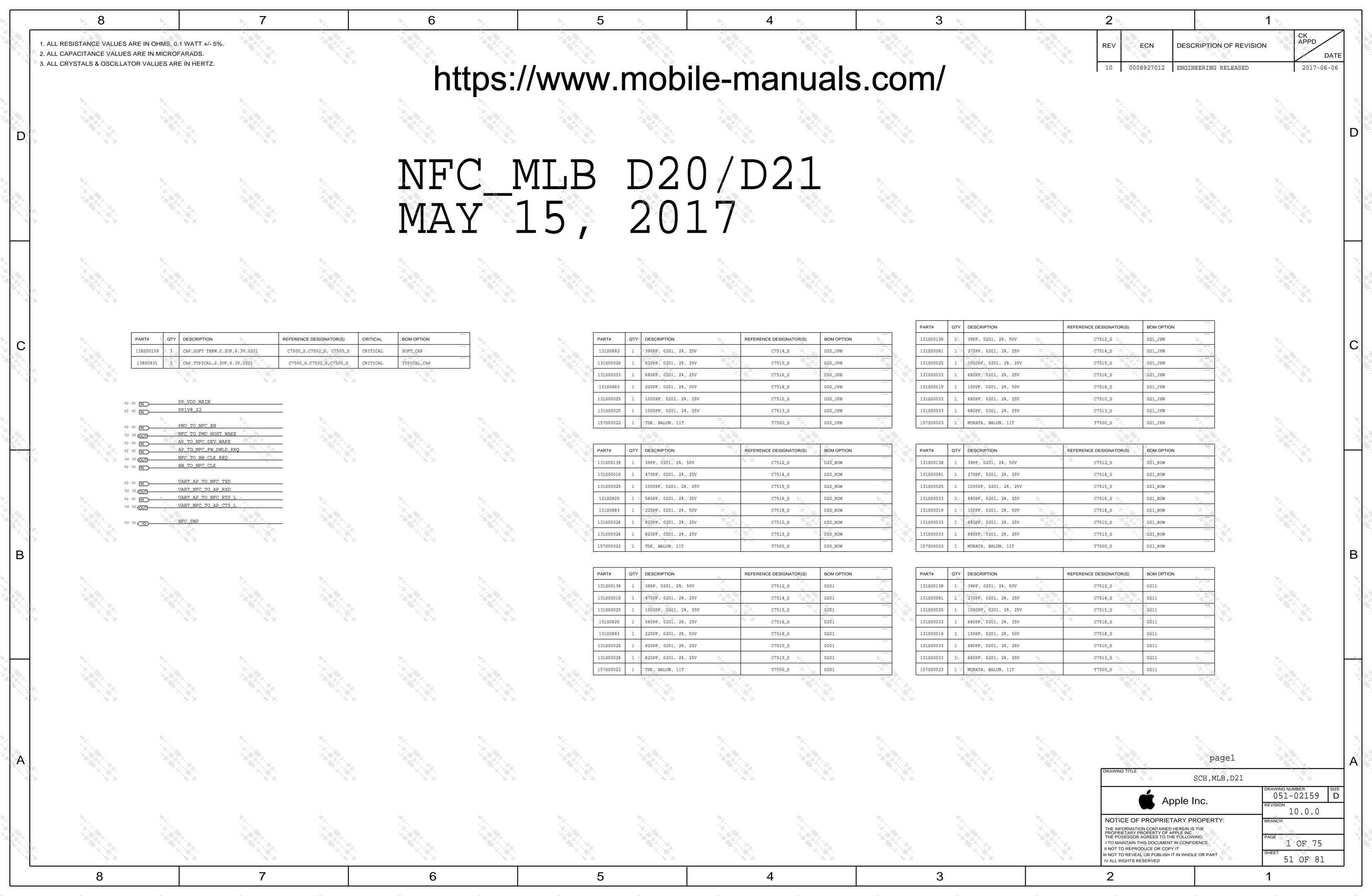


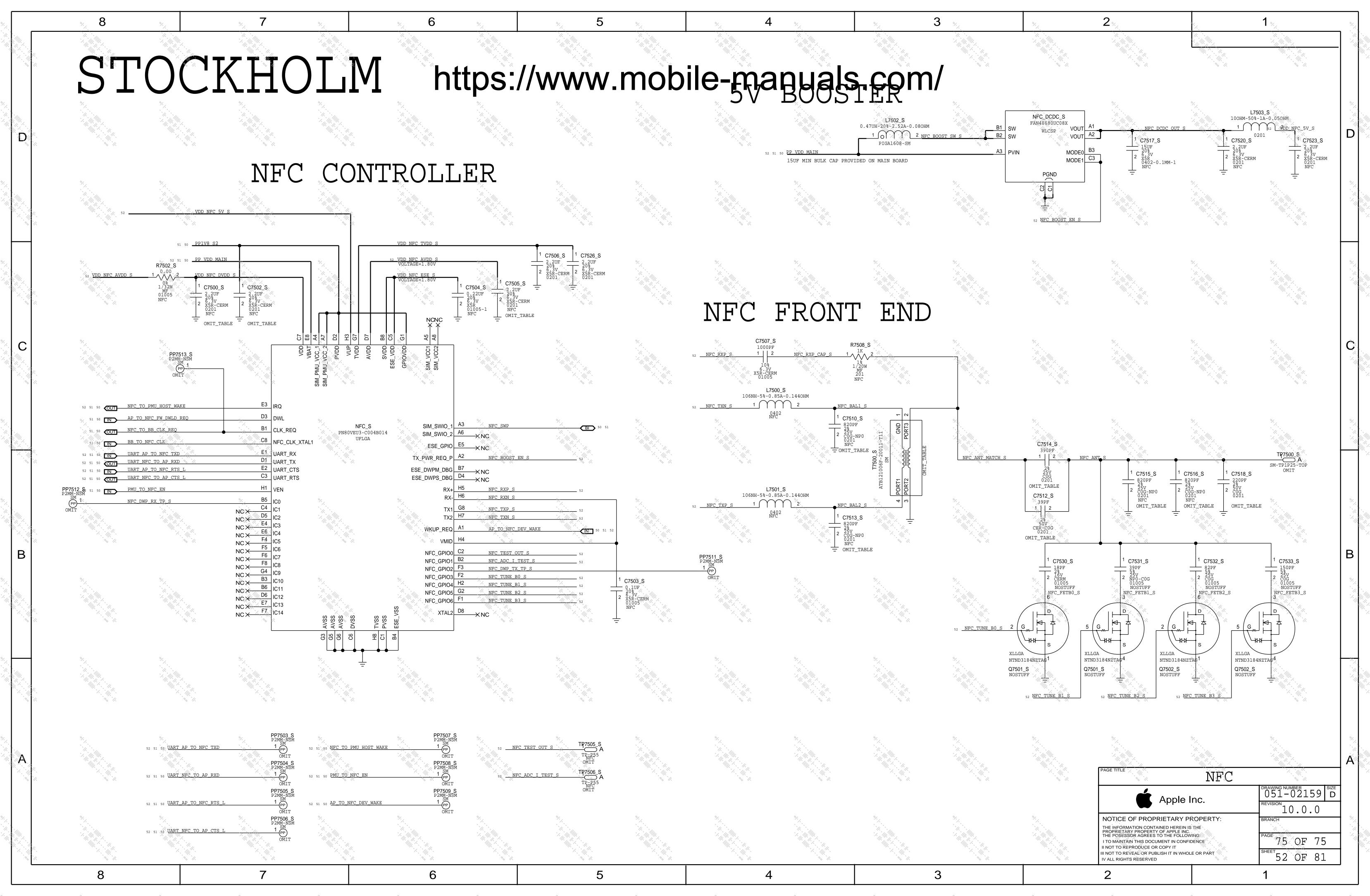












CK APPD CONFIDENTIAL AND PROPRIETARY APPLE SYSTEM DESIGN. FOR REFERENCE ONLY - NOT A CHANGE REQUEST REV DESCRIPTION OF REVISION 3. ALL CRYSTALS & OSCILLATOR VALUES ARE ÎN HERTZ https://www.mobile-manuals.com/ (MAV17.2/3) D21 RADIO MIB 06/06/2017 LAST\_MODIFICATION=Tue Jun 6 18:57:01 2017 PAGE CSA CONTENTS PMIC: BUCKS & LDOS PMIC: CLOCKS & CONTROL BB: CONTROL & HS PERIPHERALS [6] BB: GPIOS & QLINK XCVR QPOET MODULE LB PAD UHB PAD 2G/PA LB DSM HB DSM COUPLER2 LOWER ANTENNA UPPER ANTENNA , 72 7.3 SIM, DEBUG CONN 07/18/2016 TEST POINTS PROBE POINTS ALTERNATES ALTERNATE FOR PART NUMBER REFERENCE DESIGNATOR(S) PART NUMBER **DESCRIPTION BOM OPTION** U\_EEPROM\_E 335S00013 335S0894 IC, EEPROM BOM\_TABLE\_ALTS Y401<u>E</u> 197S00093 197S00065 XTAL, 38P4MHZ BOM\_TABLE\_ALTS Y40%\_£ 197S00067 197S00065 XTAL, 38P4MHZ BOM\_TABLE\_ALTS 353S01109 U\_QET\_È 353S01287 ET MODULE, QPOET BOM\_TABLE\_ALTS FRONT PAGE SCH, MLB, D21 951-03059 920-02293 939-02493 051-02159 Apple Inc. 10.0.0 THE INFORMATION CONTAINED HEREIN IS THE PROPRIETARY PROPERTY OF APPLE INC. THE POSESSOR AGREES TO THE FOLLOWING **1** OF 22 II NOT TO REPRODUCE OR COPY IT III NOT TO REVEAL OR PUBLISH IT IN WHOLE OR PART 53 OF 81 6

