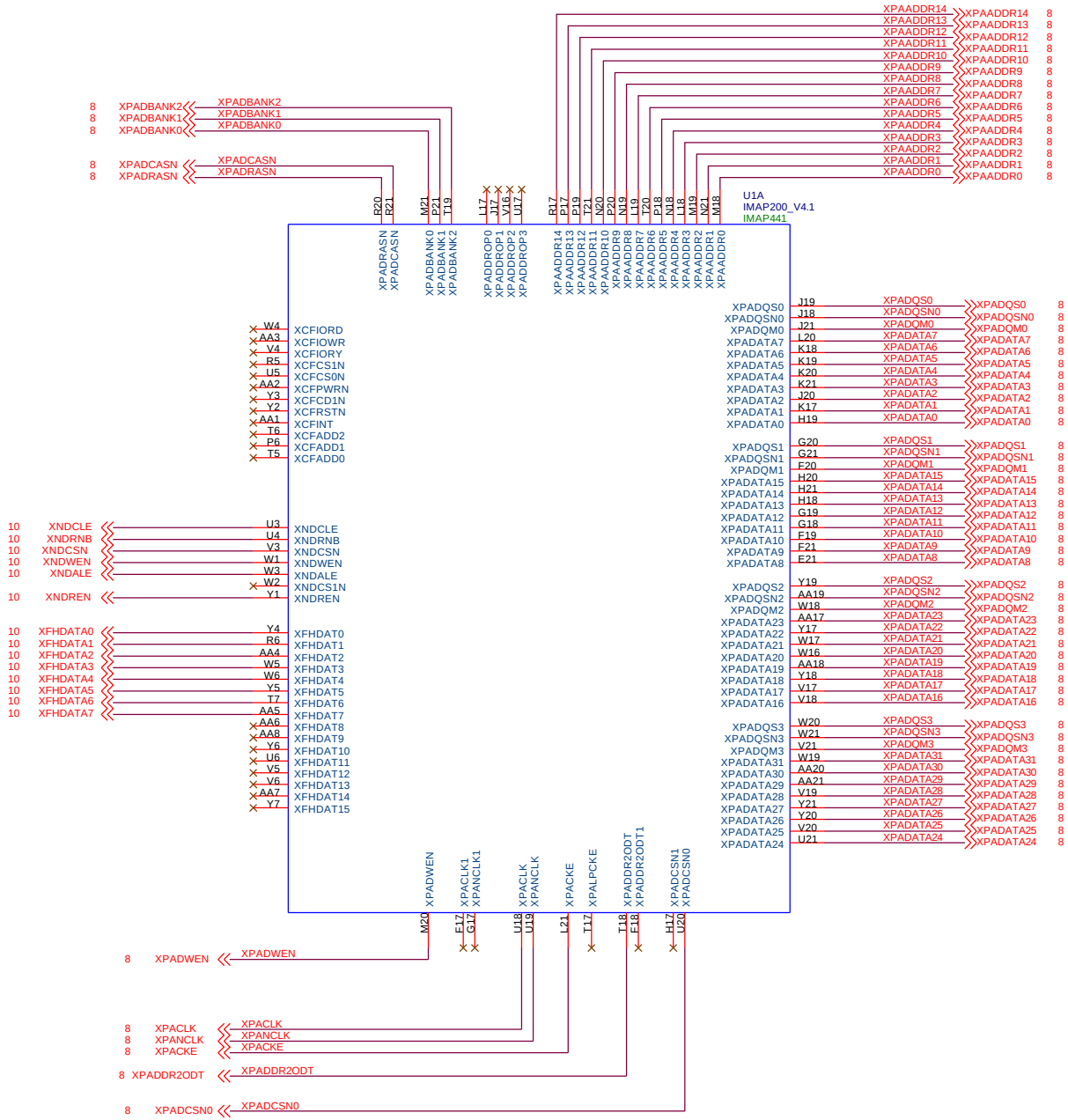

Title	INFOTM IX200 MOBILE INTERNET DEVICE
Size	A3
Document Number	IMAP_DDR2_IDE
Rev	0A
Date:	Tuesday, July 20, 2010
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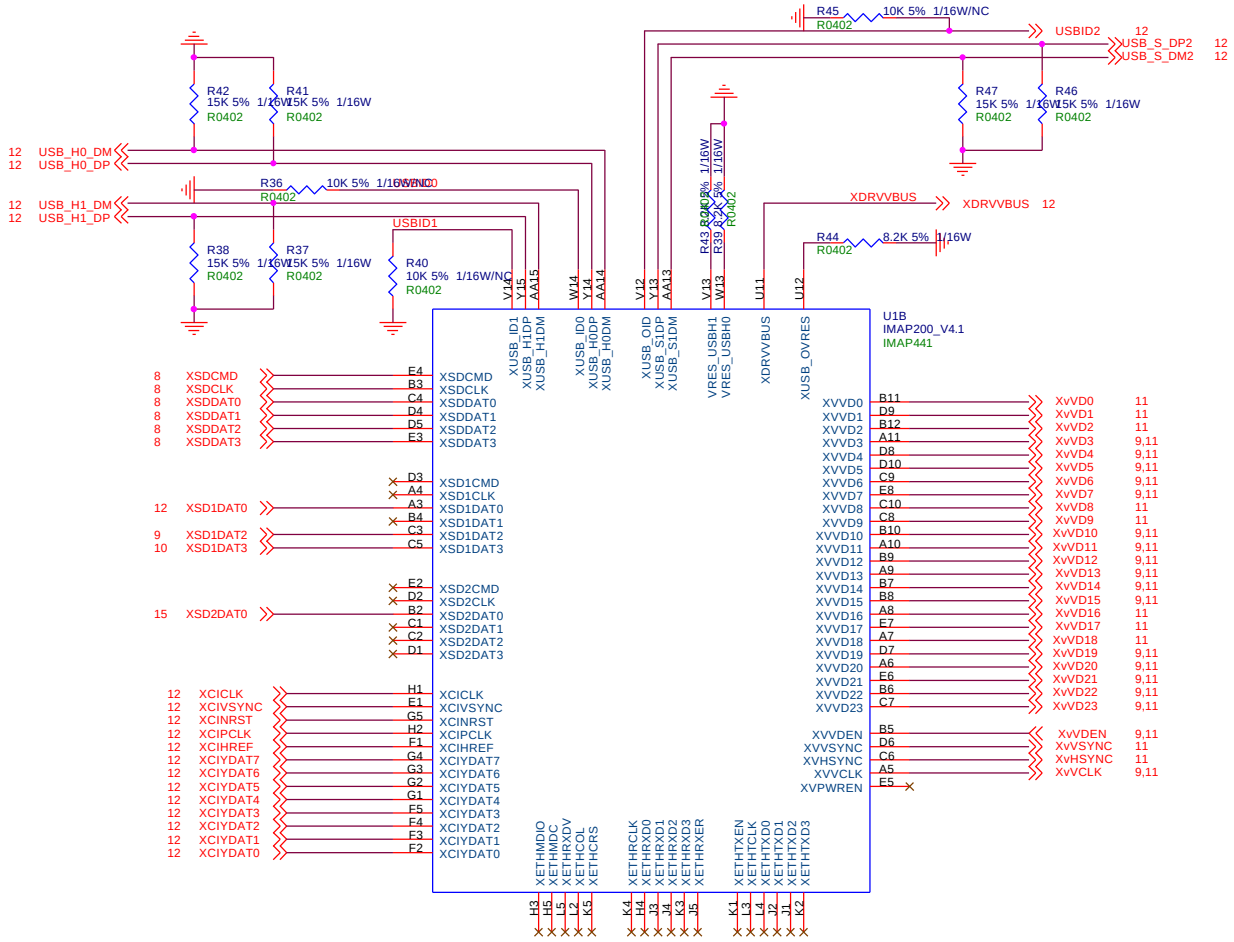
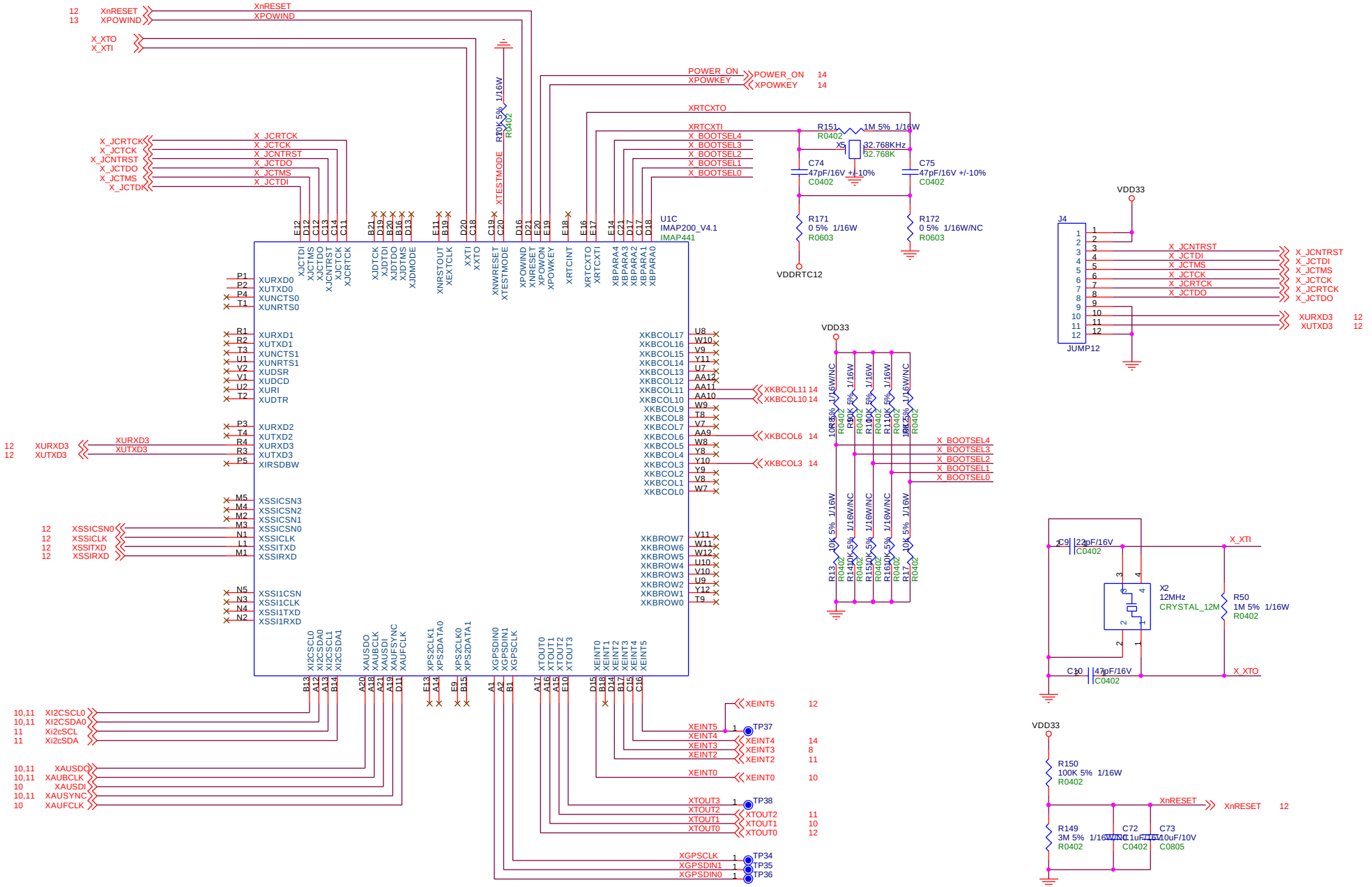
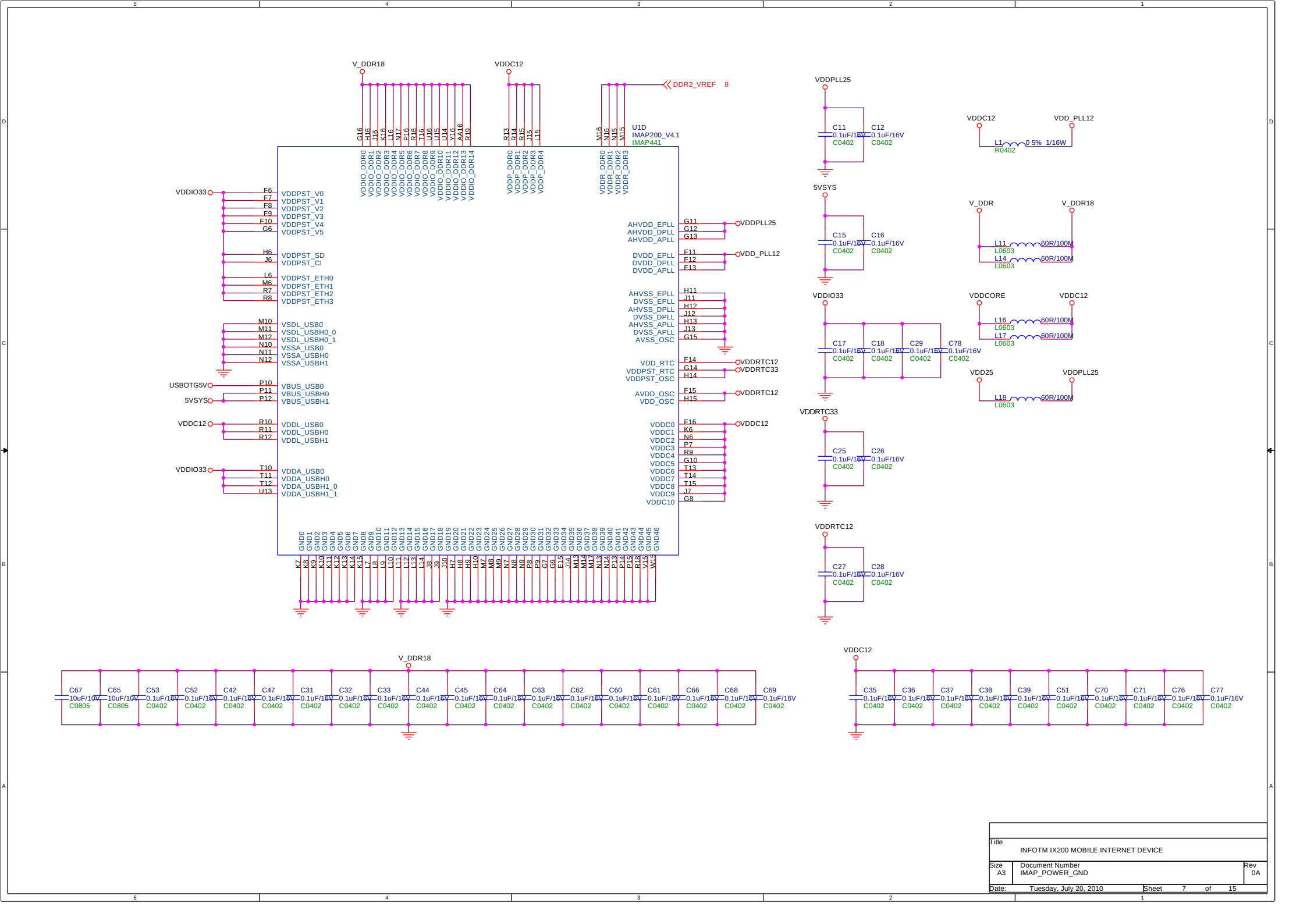


Title	INFOTM IX200 MOBILE INTERNET DEVICE	
Size A3	Document Number IMAP_LCD/USB/CI/SD/ETH	Rev 0A
Date: Tuesday, July 20, 2010	Sheet 5 of 15	



Title	INFOTM IX200 MOBILE INTERNET DEVICE
Size A3	Document Number IMAP_KB SSI UART GPS
Rev	0A
Date: Tuesday, July 20, 2010	Sheet 6 of 15


V_DDR18
VDDC12
DDR2_VREF 8
U1D
IMAP200_V4.1
IMAP441
VDDIO33
VDDPST_V0
VDDPST_V1
VDDPST_V2
VDDPST_V3
VDDPST_V4
VDDPST_V5
VDDPST_SD
VDDPST_CI
VDDPST_ETH0
VDDPST_ETH1
VDDPST_ETH2
VDDPST_ETH3
VSDL_USB0
VSDL_USBH0_0
VSDL_USBH0_1
VSSA_USB0
VSSA_USBH0
VSSA_USBH1
USBOTG5V
5VSYS
VBUS_USB0
VBUS_USBH0
VBUS_USBH1
VDDC12
VDDL_USB0
VDDL_USBH0
VDDL_USBH1
VDDIO33
VDDA_USB0
VDDA_USBH0
VDDA_USBH1_0
VDDA_USBH1_1
AHVDD_EPLL
AHVDD_DPLL
AHVDD_APLL
VDDPLL25
DVDD_EPLL
DVDD_DPLL
DVDD_APLL
VDD_PLL12
AHVSS_EPLL
DVSS_EPLL
AHVSS_DPLL
DVSS_DPLL
AHVSS_APLL
DVSS_APLL
AVSS_OSC
VDD_RTC
VDDPST_RTC
VDDPST_OSC
VDDRTC12
VDDRTC33
AVDD_OSC
VDD_OSC
VDDC0
VDDC1
VDDC2
VDDC3
VDDC4
VDDC5
VDDC6
VDDC7
VDDC8
VDDC9
VDDC10
VDDC12
VDDPLL25
C11 0.1uF/16V C0402
C12 0.1uF/16V C0402
VDDC12
VDD_PLL12
L1 0 5% 1/16W R0402
5VSYS
C15 0.1uF/16V C0402
C16 0.1uF/16V C0402
V_DDR
V_DDR18
L11 60R/100M L0603
L14 60R/100M L0603
VDDIO33
C17 0.1uF/16V C0402
C18 0.1uF/16V C0402
C29 0.1uF/16V C0402
C78 0.1uF/16V C0402
VDDCORE
VDDC12
L16 60R/100M L0603
L17 60R/100M L0603
VDD25
VDDPLL25
L18 60R/100M L0603
VDDRTC33
C25 0.1uF/16V C0402
C26 0.1uF/16V C0402
VDDRTC12
C27 0.1uF/16V C0402
C28 0.1uF/16V C0402
V_DDR18
C67 10uF/10V C0805
C65 10uF/10V C0805
C53 0.1uF/16V C0402
C52 0.1uF/16V C0402
C42 0.1uF/16V C0402
C47 0.1uF/16V C0402
C31 0.1uF/16V C0402
C32 0.1uF/16V C0402
C33 0.1uF/16V C0402
C44 0.1uF/16V C0402
C45 0.1uF/16V C0402
C64 0.1uF/16V C0402
C63 0.1uF/16V C0402
C62 0.1uF/16V C0402
C60 0.1uF/16V C0402
C61 0.1uF/16V C0402
C66 0.1uF/16V C0402
C68 0.1uF/16V C0402
C69 0.1uF/16V C0402
VDDC12
C35 0.1uF/16V C0402
C36 0.1uF/16V C0402
C37 0.1uF/16V C0402
C38 0.1uF/16V C0402
C39 0.1uF/16V C0402
C51 0.1uF/16V C0402
C70 0.1uF/16V C0402
C71 0.1uF/16V C0402
C76 0.1uF/16V C0402
C77 0.1uF/16V C0402
Title
INFOTM IX200 MOBILE INTERNET DEVICE
Size A3
Document Number IMAP_POWER_GND
Rev 0A
Date: Tuesday, July 20, 2010
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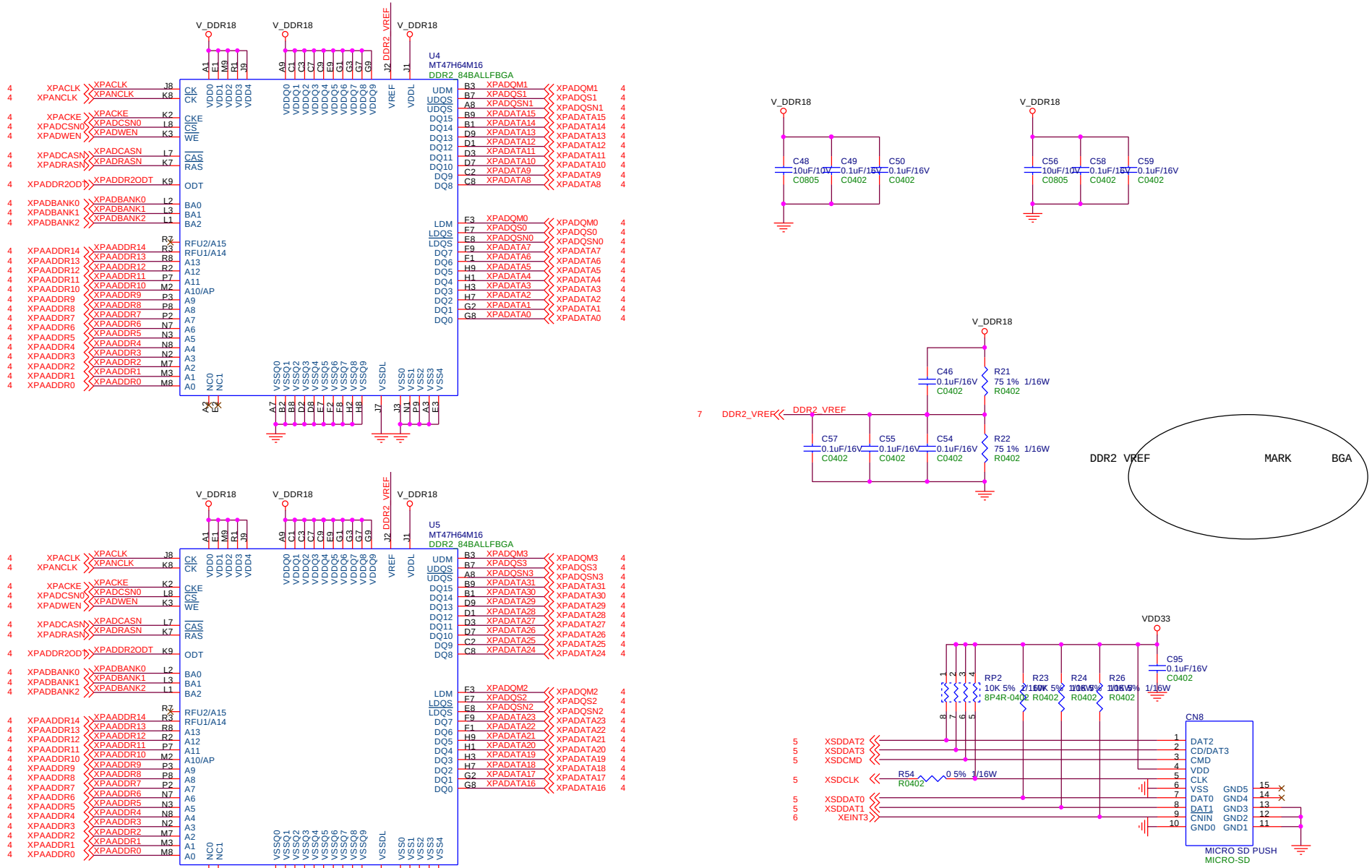
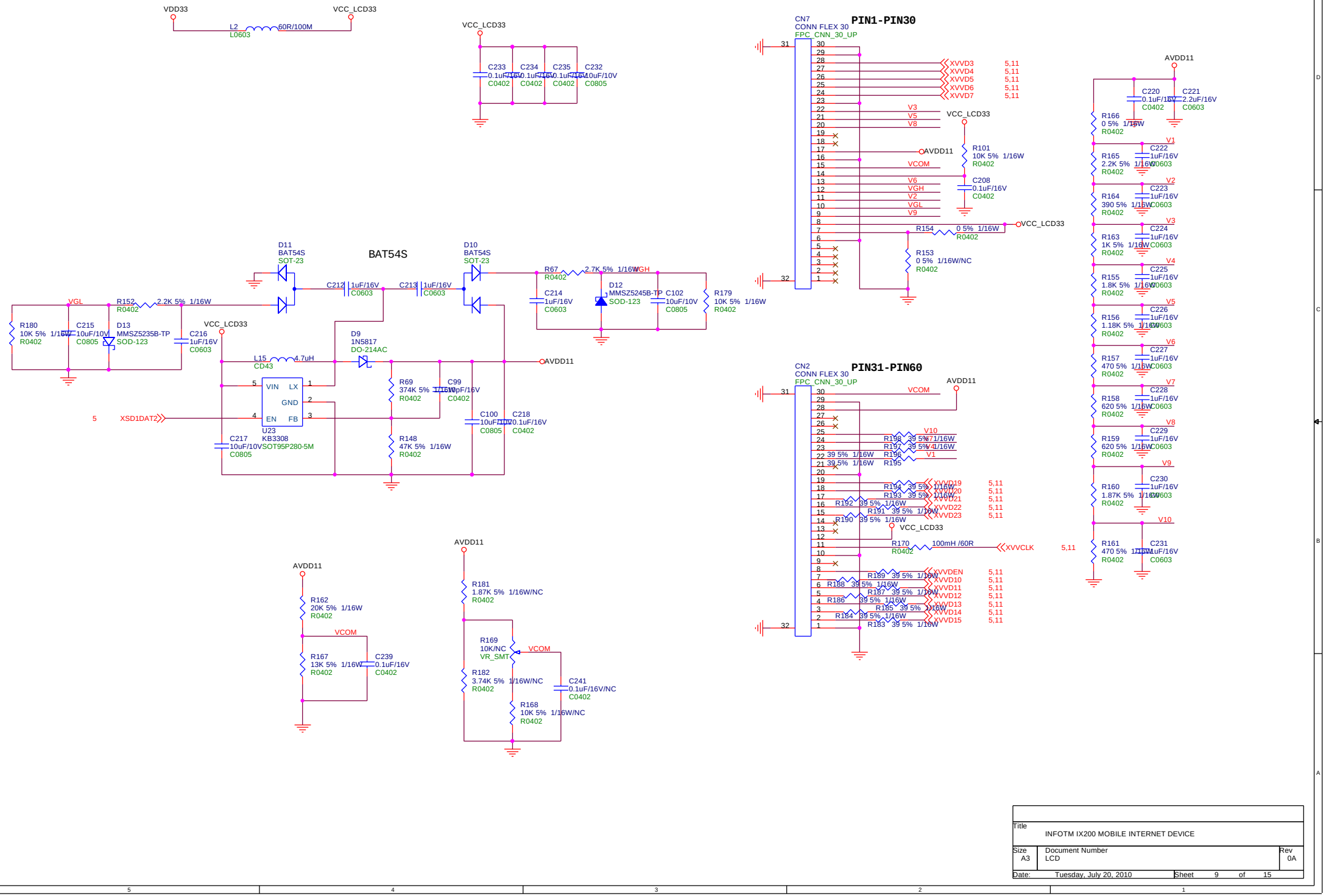


Title	INFOTM IX200 MOBILE INTERNET DEVICE	
Size A3	Document Number DDR2_MICRO SD	Rev 0A
Date: Tuesday, July 20, 2010	Sheet 8 of 15	


VDD33
VCC_LCD33
L2
60R/100M
L0603
VCC_LCD33
C233
0.1uF/16V
C0402
C234
0.1uF/16V
C0402
C235
0.1uF/16V
C0402
C232
10uF/10V
C0805
CN7
CONN FLEX 30
FPC_CNN_30_UP
PIN1-PIN30
XVVD3
XVVD4
XVVD5
XVVD6
XVVD7
5,11
V3
V5
V8
VCC_LCD33
AVDD11
VCOM
V6
VGH
V2
VGL
V9
R101
10K 5% 1/16W
R0402
C208
0.1uF/16V
C0402
R154
0 5% 1/16W
R0402
VCC_LCD33
R153
0 5% 1/16W/NC
R0402
AVDD11
C220
0.1uF/16V
C0402
C221
2.2uF/16V
C0603
R166
0 5% 1/16W
R0402
V1
C222
1uF/16V
C0603
R165
2.2K 5% 1/16W
R0402
V2
C223
1uF/16V
C0603
R164
390 5% 1/16W
R0402
V3
C224
1uF/16V
C0603
R163
1K 5% 1/16W
R0402
V4
C225
1uF/16V
C0603
R155
1.8K 5% 1/16W
R0402
V5
C226
1uF/16V
C0603
R156
1.18K 5% 1/16W
R0402
V6
C227
1uF/16V
C0603
R157
470 5% 1/16W
R0402
V7
C228
1uF/16V
C0603
R158
620 5% 1/16W
R0402
V8
C229
1uF/16V
C0603
R159
620 5% 1/16W
R0402
V9
C230
1uF/16V
C0603
R160
1.87K 5% 1/16W
R0402
V10
R161
470 5% 1/16W
R0402
C231
1uF/16V
C0603
D11
BAT54S
SOT-23
BAT54S
D10
BAT54S
SOT-23
C212
1uF/16V
C0603
C213
1uF/16V
C0603
R67
2.7K 5% 1/16W
R0402
VGH
C214
1uF/16V
C0603
D12
MMSZ5245B-TP
SOD-123
C102
10uF/10V
C0805
R179
10K 5% 1/16W
R0402
VGL
R152
2.2K 5% 1/16W
R0402
R180
10K 5% 1/16W
R0402
C215
10uF/10V
C0805
D13
MMSZ5235B-TP
SOD-123
C216
1uF/16V
C0603
VCC_LCD33
D9
1N5817
DO-214AC
L15
4.7uH
CD43
AVDD11
VIN
LX
GND
EN
FB
U23
KB3308
SOT95P280-5M
R69
374K 5% 1/16W
R0402
C99
10pF/16V
C0402
XSD1DAT2
C100
10uF/10V
C0805
C218
0.1uF/16V
C0402
C217
10uF/10V
C0805
R148
47K 5% 1/16W
R0402
CN2
CONN FLEX 30
FPC_CNN_30_UP
PIN31-PIN60
VCOM
AVDD11
V10
R198
39 5% 1/16W
R197
39 5% 1/16W
R196
39 5% 1/16W
V1
R195
39 5% 1/16W
XVVD19
XVVD20
XVVD21
XVVD22
XVVD23
5,11
R194
39 5% 1/16W
R193
39 5% 1/16W
R192
39 5% 1/16W
R191
39 5% 1/16W
R190
39 5% 1/16W
VCC_LCD33
R170
100mH /60R
R0402
XVVCLK
5,11
XVVDEN
XVVD10
XVVD11
XVVD12
XVVD13
XVVD14
XVVD15
5,11
R189
39 5% 1/16W
R188
39 5% 1/16W
R187
39 5% 1/16W
R186
39 5% 1/16W
R185
39 5% 1/16W
R184
39 5% 1/16W
R183
39 5% 1/16W
AVDD11
R162
20K 5% 1/16W
R0402
VCOM
R167
13K 5% 1/16W
R0402
C239
0.1uF/16V
C0402
AVDD11
R181
1.87K 5% 1/16W/NC
R0402
R169
10K/NC
VR_SMT
VCOM
R182
3.74K 5% 1/16W/NC
R0402
C241
0.1uF/16V/NC
C0402
R168
10K 5% 1/16W/NC
R0402
Title
INFOTM IX200 MOBILE INTERNET DEVICE
Size
A3
Document Number
LCD
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0A
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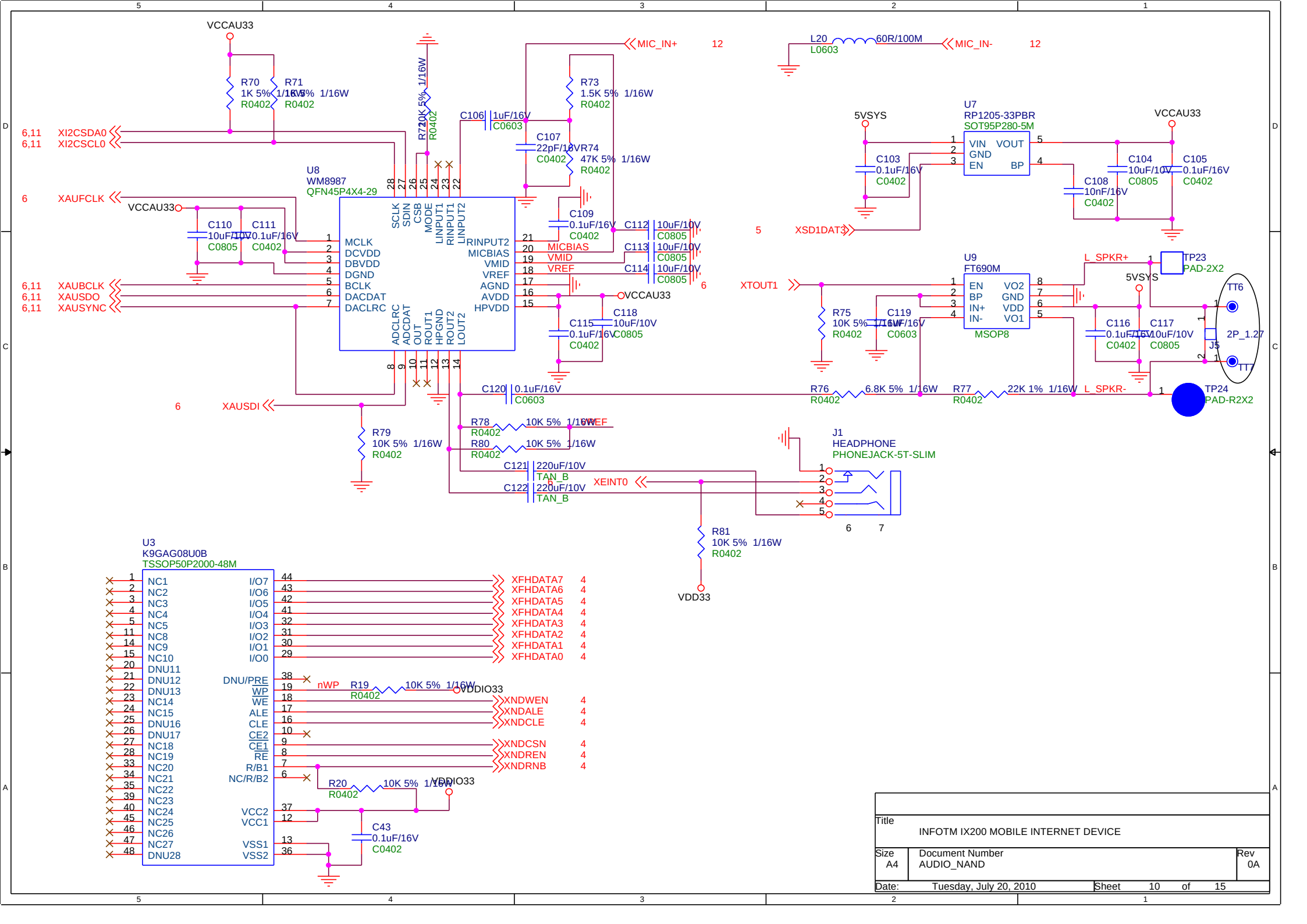
VCCAU33
R70 1K 5% 1/16W R0402
R71 1K 5% 1/16W R0402
R72 10K 5% 1/16W R0402
MIC_IN+ 12
R73 1.5K 5% 1/16W R0402
C106 1uF/16V C0603
C107 22pF/16V C0402
R74 47K 5% 1/16W R0402
6,11 XI2CSDA0
6,11 XI2CSCL0
6 XAUFCLK
U8
WM8987
QFN45P4X4-29
MCLK
DCVDD
DBVDD
DGND
BCLK
DACDAT
DACLRC
SCLK
SDIN
CSB
MODE
LINPUT1
RINPUT1
LINPUT2
RINPUT2
MICBIAS
VMID
VREF
AGND
AVDD
HPVDD
ADCLRC
ADCDAT
OUT
ROUT1
HPGND
ROUT2
LOUT2
C110 10uF/10V C0805
C111 0.1uF/16V C0402
C109 0.1uF/16V C0402
C112 10uF/10V C0805
C113 10uF/10V C0805
C114 10uF/10V C0805
C115 0.1uF/16V C0402
C118 10uF/10V C0805
6,11 XAUBCLK
6,11 XAUDO
6,11 XAUSYNC
6 XAUSDI
C120 0.1uF/16V C0603
R78 10K 5% 1/16W R0402
R80 10K 5% 1/16W R0402
R79 10K 5% 1/16W R0402
VREF
C121 220uF/10V TAN_B
C122 220uF/10V TAN_B
XEINT0
R81 10K 5% 1/16W R0402
VDD33
L20 60R/100M L0603
MIC_IN- 12
U7
RP1205-33PBR
SOT95P280-5M
5VSYS
VIN VOUT GND EN BP
C103 0.1uF/16V C0402
C104 10uF/10V C0805
C105 0.1uF/16V C0402
C108 10nF/16V C0402
5 XSD1DAT3
U9
FT690M
EN VO2 BP GND IN+ VDD IN- VO1
MSOP8
XTOUT1
R75 10K 5% 1/16W R0402
C119 0.1uF/16V C0603
R76 6.8K 5% 1/16W R0402
R77 22K 1% 1/16W R0402
L_SPKR+
L_SPKR-
TP23 PAD-2X2
TP24 PAD-R2X2
TT6
2P_1.27
J5
TT7
C116 0.1uF/16V C0402
C117 10uF/10V C0805
J1
HEADPHONE
PHONEJACK-5T-SLIM
U3
K9GAG08U0B
TSSOP50P2000-48M
NC1 NC2 NC3 NC4 NC5 NC8 NC9 NC10 DNU11 DNU12 DNU13 NC14 NC15 DNU16 DNU17 NC18 NC19 NC20 NC21 NC22 NC23 NC24 NC25 NC26 NC27 DNU28
I/O7 I/O6 I/O5 I/O4 I/O3 I/O2 I/O1 I/O0
DNU/PRE WP WE ALE CLE CE2 CE1 RE R/B1 NC/R/B2
VCC2 VCC1 VSS1 VSS2
XFHDATA7 XFHDATA6 XFHDATA5 XFHDATA4 XFHDATA3 XFHDATA2 XFHDATA1 XFHDATA0
nWP
R19 10K 5% 1/16W R0402
VDDIO33
XNDWEN XNDALE XNDCLE XNDCSN XNDREN XNDRNB
R20 10K 5% 1/16W R0402
C43 0.1uF/16V C0402
Title
INFOTM IX200 MOBILE INTERNET DEVICE
Size A4
Document Number AUDIO_NAND
Rev 0A
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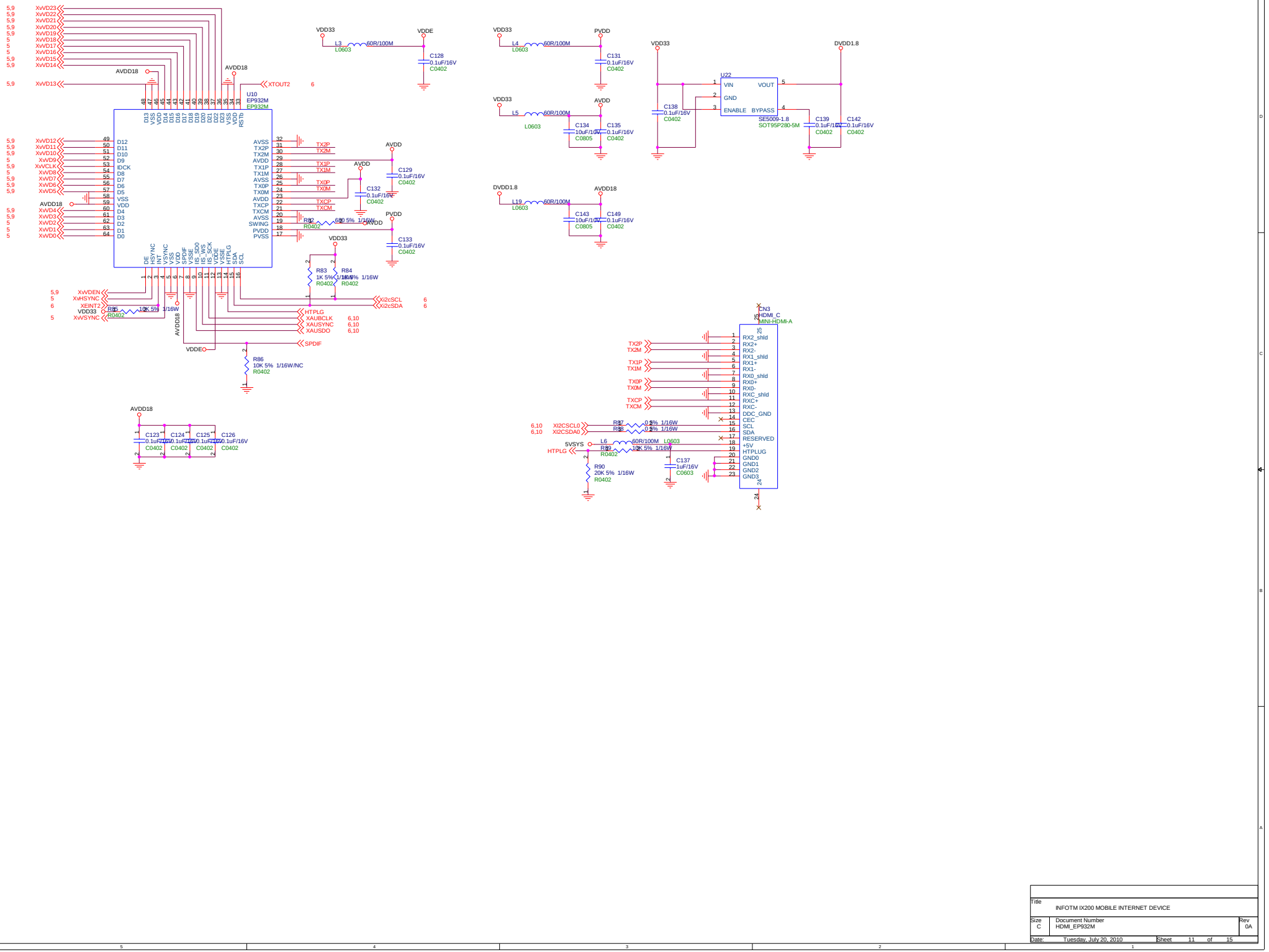
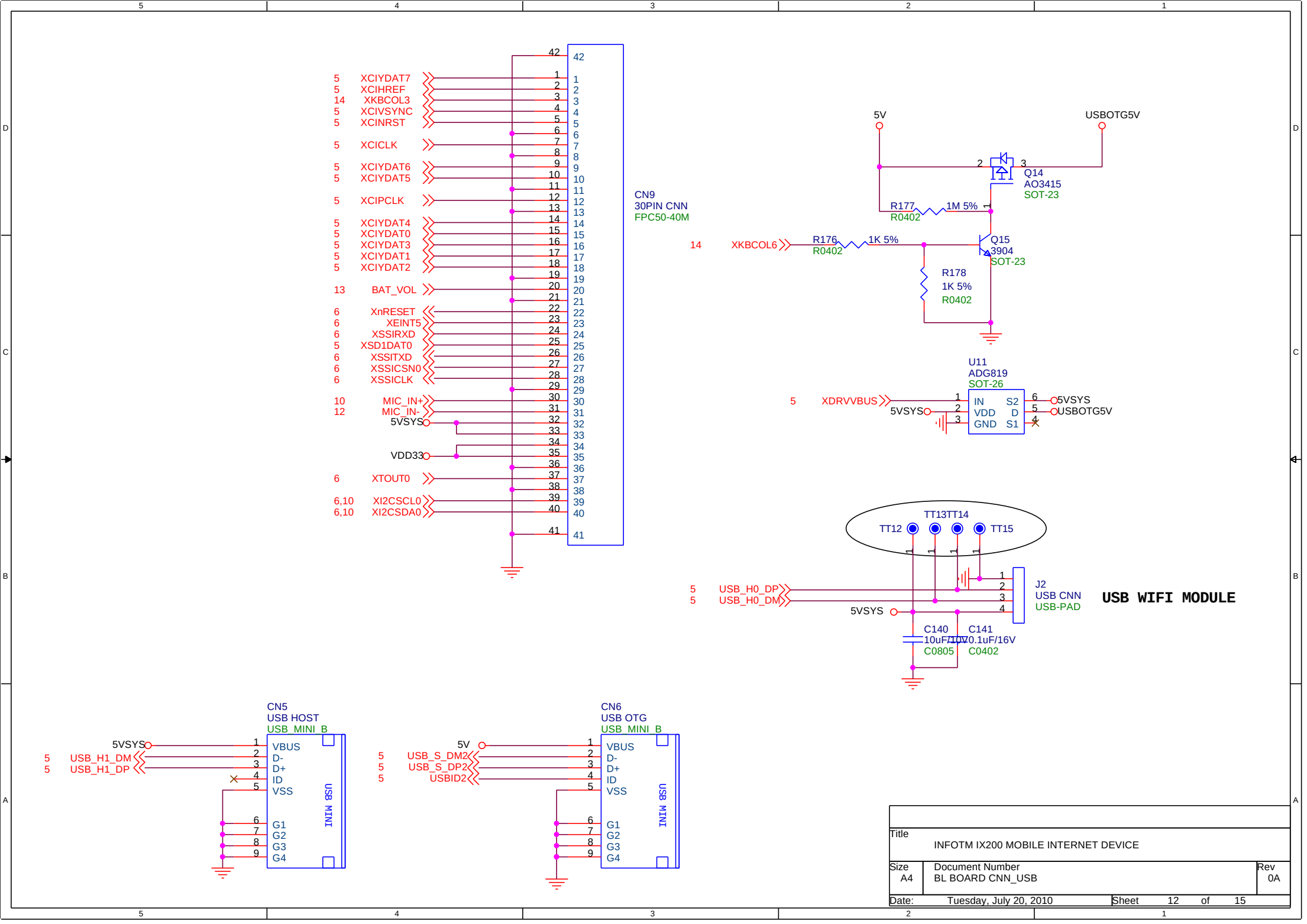
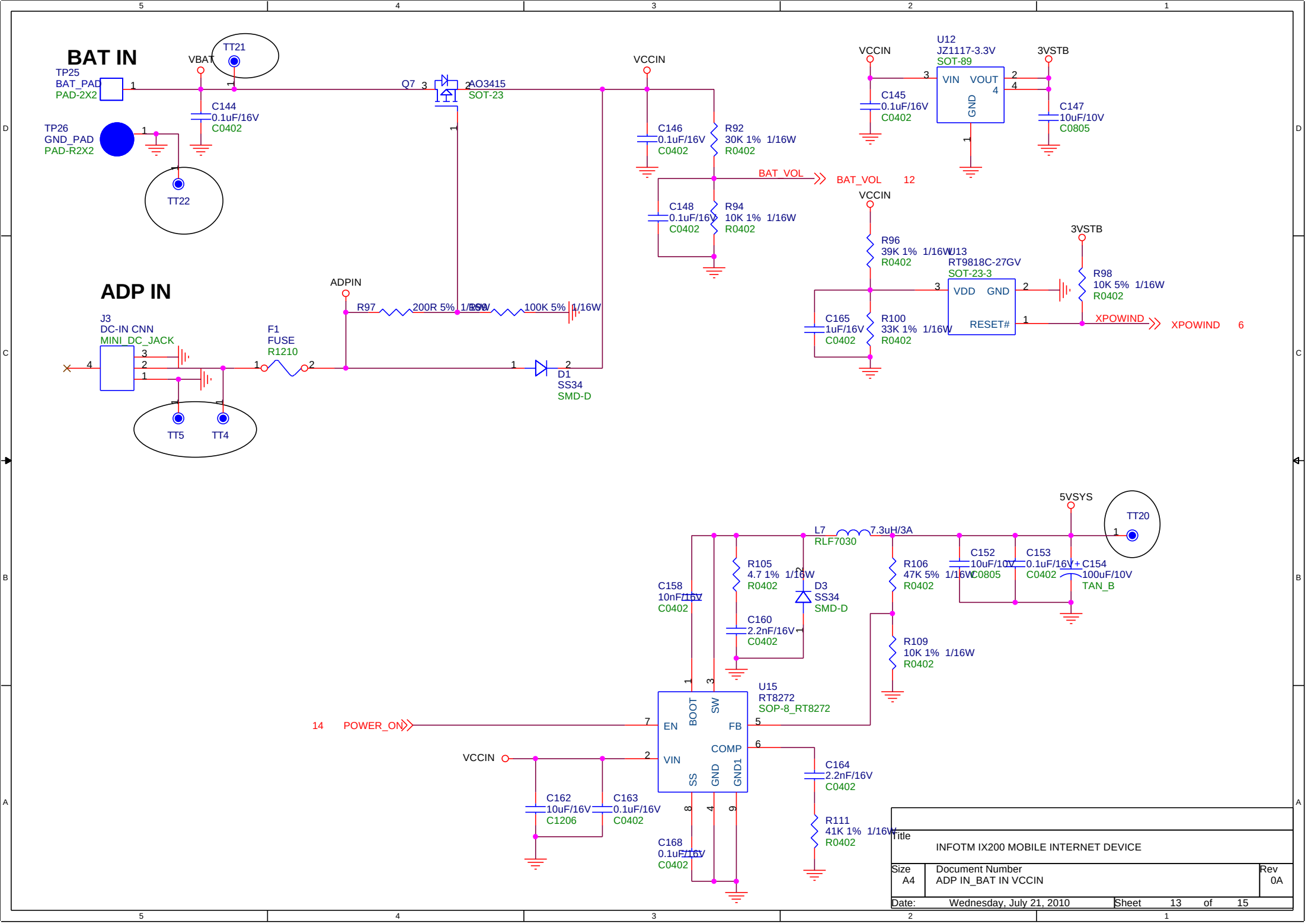


Title	INFOTM IX200 MOBILE INTERNET DEVICE	
Size C	Document Number HDMI_EP932M	Rev 0A
Date: Tuesday, July 20, 2010	Sheet 11 of 15	



Title	INFOTM IX200 MOBILE INTERNET DEVICE	
Size A4	Document Number BL BOARD CNN_USB	Rev 0A
Date: Tuesday, July 20, 2010	Sheet 12 of 15	


BAT IN
TP25
BAT_PAD
PAD-2X2
TP26
GND_PAD
PAD-R2X2
VBAT
TT21
TT22
C144
0.1uF/16V
C0402
Q7
AO3415
SOT-23
VCCIN
C146
0.1uF/16V
C0402
R92
30K 1% 1/16W
R0402
C148
0.1uF/16V
C0402
R94
10K 1% 1/16W
R0402
BAT_VOL
BAT_VOL 12
U12
JZ1117-3.3V
SOT-89
VIN
VOUT
GND
C145
0.1uF/16V
C0402
C147
10uF/10V
C0805
3VSTB
ADP IN
J3
DC-IN CNN
MINI_DC_JACK
F1
FUSE
R1210
TT5
TT4
ADPIN
R97
200R 5% 1/16W
100K 5% 1/16W
D1
SS34
SMD-D
VCCIN
R96
39K 1% 1/16W
R0402
U13
RT9818C-27GV
SOT-23-3
VDD
GND
RESET#
C165
1uF/16V
C0402
R100
33K 1% 1/16W
R0402
R98
10K 5% 1/16W
R0402
XPOWIND
XPOWIND 6
5VSYS
TT20
L7
7.3uH/3A
RLF7030
C152
10uF/10V
C0805
C153
0.1uF/16V
C0402
C154
100uF/10V
TAN_B
R105
4.7 1% 1/16W
R0402
D3
SS34
SMD-D
C158
10nF/16V
C0402
C160
2.2nF/16V
C0402
R106
47K 5% 1/16W
R0402
R109
10K 1% 1/16W
R0402
U15
RT8272
SOP-8_RT8272
14 POWER_ON
EN
BOOT
SW
FB
COMP
VIN
SS
GND
GND1
VCCIN
C162
10uF/16V
C1206
C163
0.1uF/16V
C0402
C164
2.2nF/16V
C0402
R111
41K 1% 1/16W
R0402
C168
0.1uF/16V
C0402
Title
INFOTM IX200 MOBILE INTERNET DEVICE
Size
A4
Document Number
ADP IN_BAT IN VCCIN
Rev
0A
Date:
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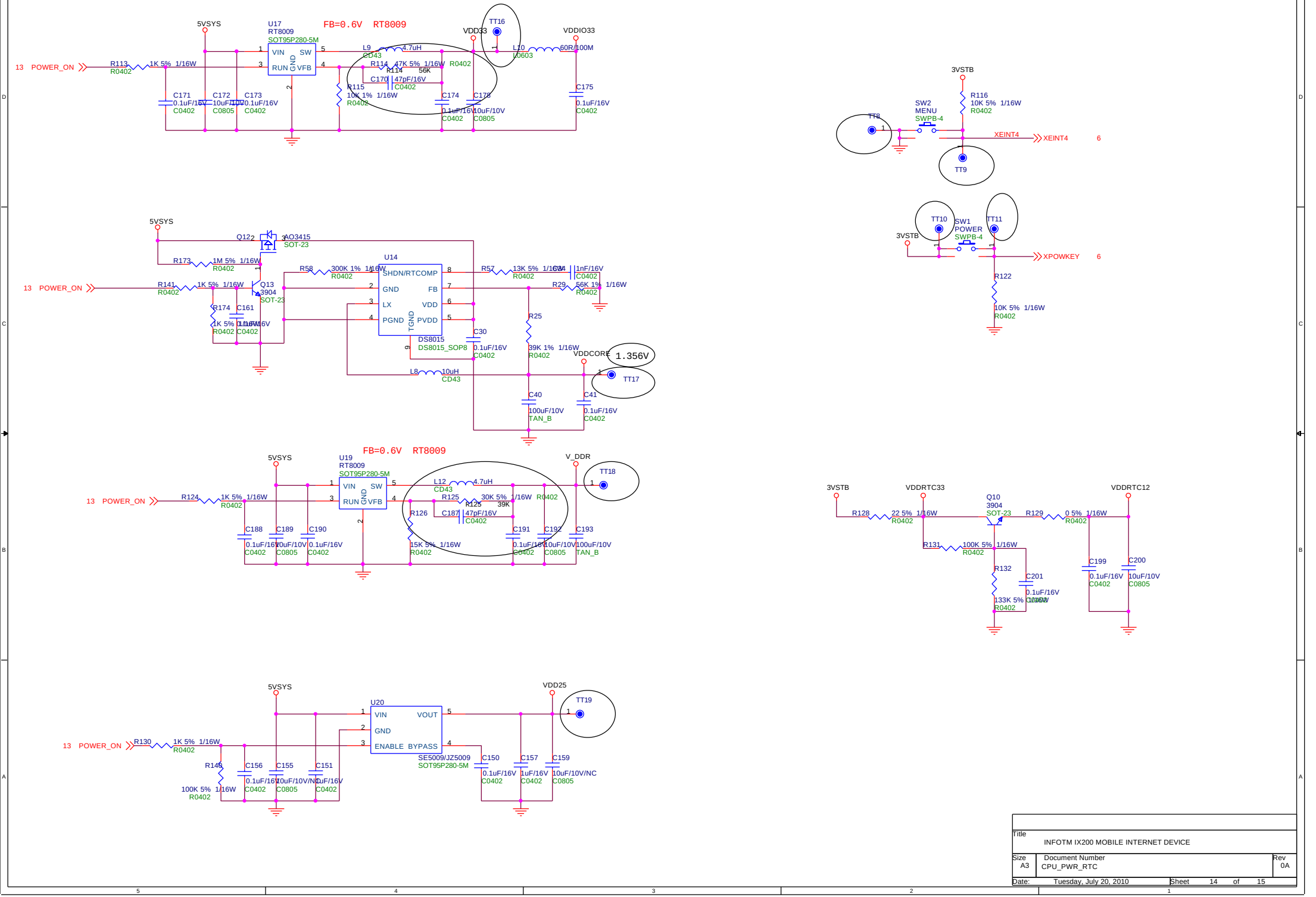
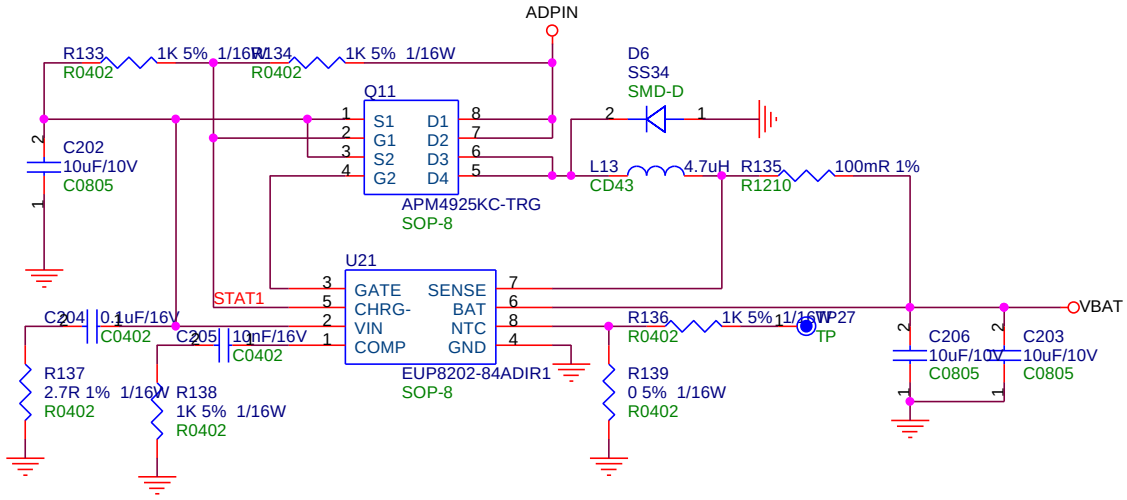
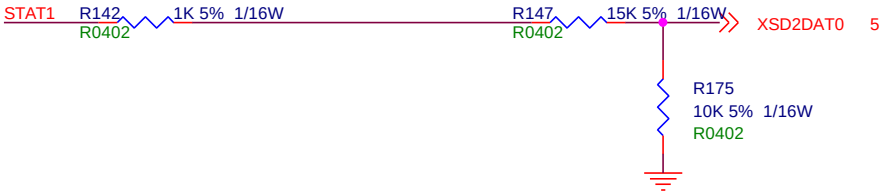
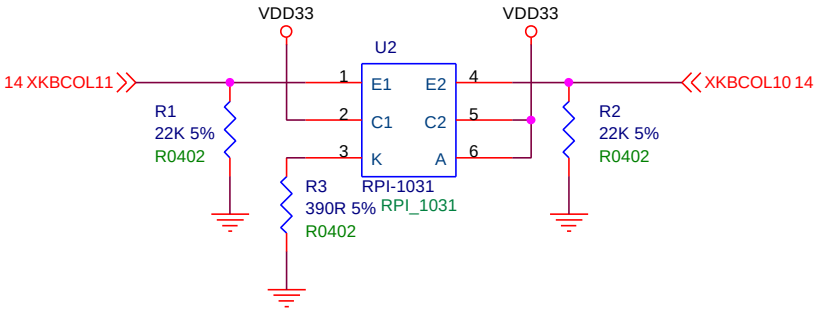
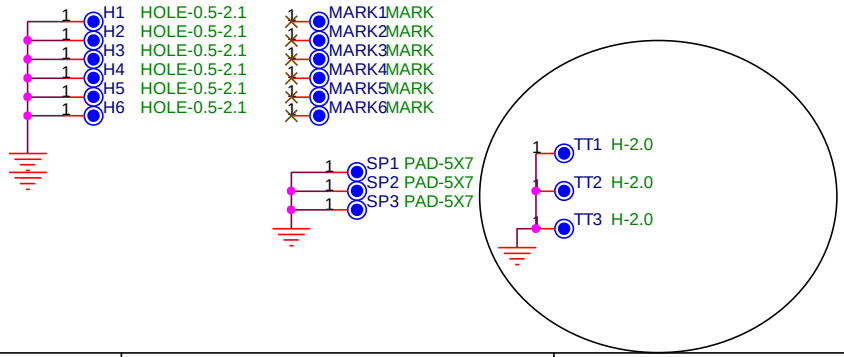


Title	INFOTM IX200 MOBILE INTERNET DEVICE	
Size A3	Document Number CPU_PWR_RTC	Rev 0A
Date: Tuesday, July 20, 2010	Sheet 14 of 15	

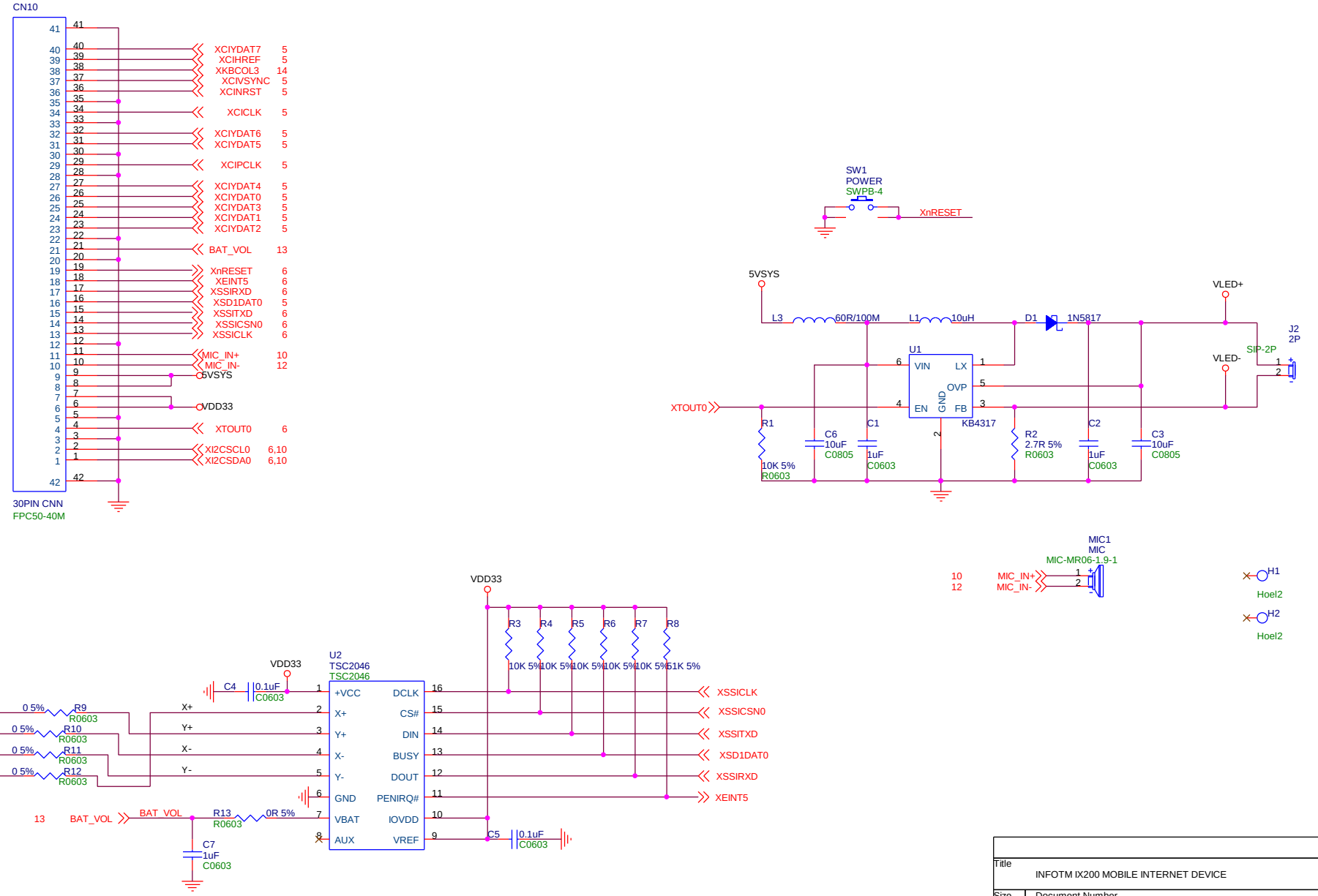




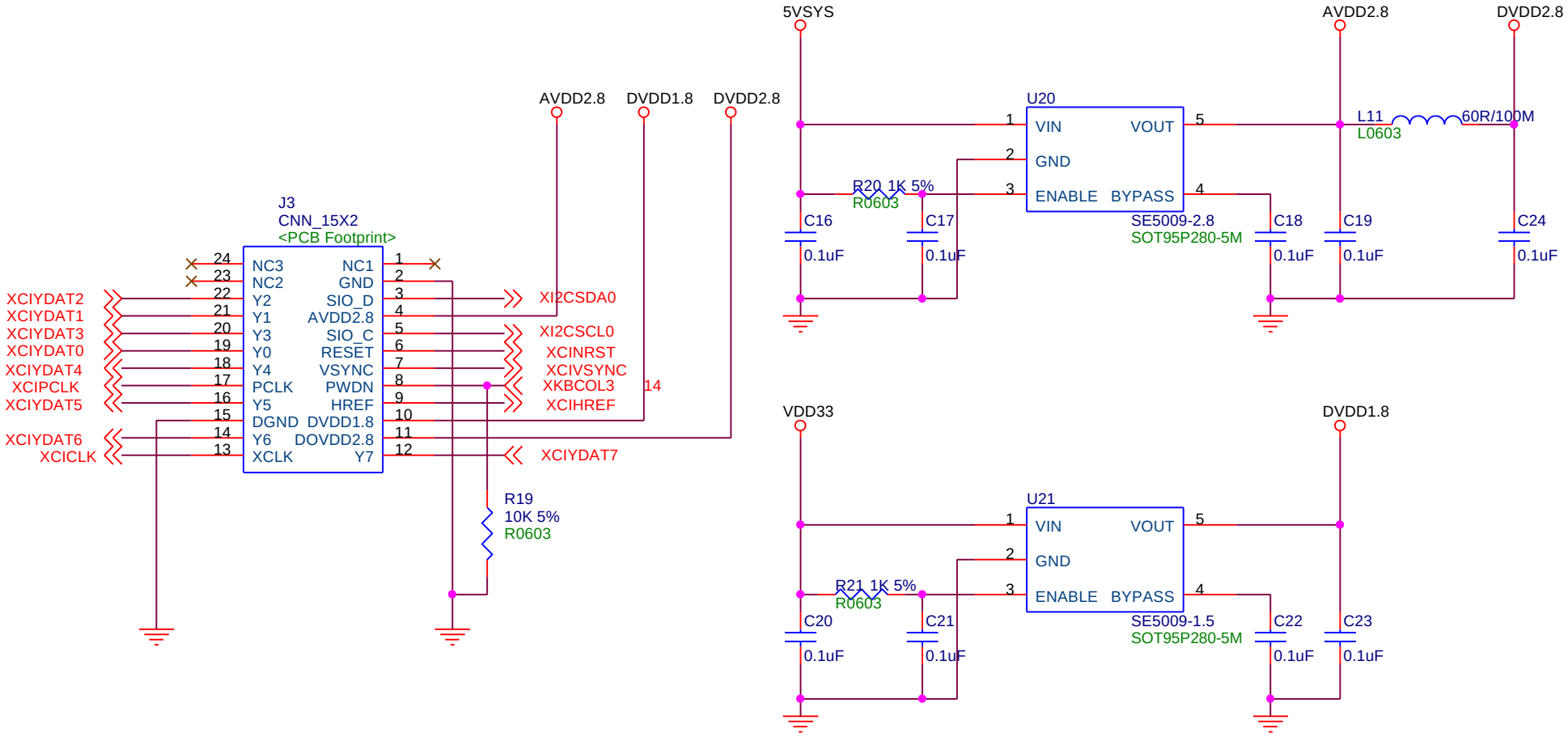




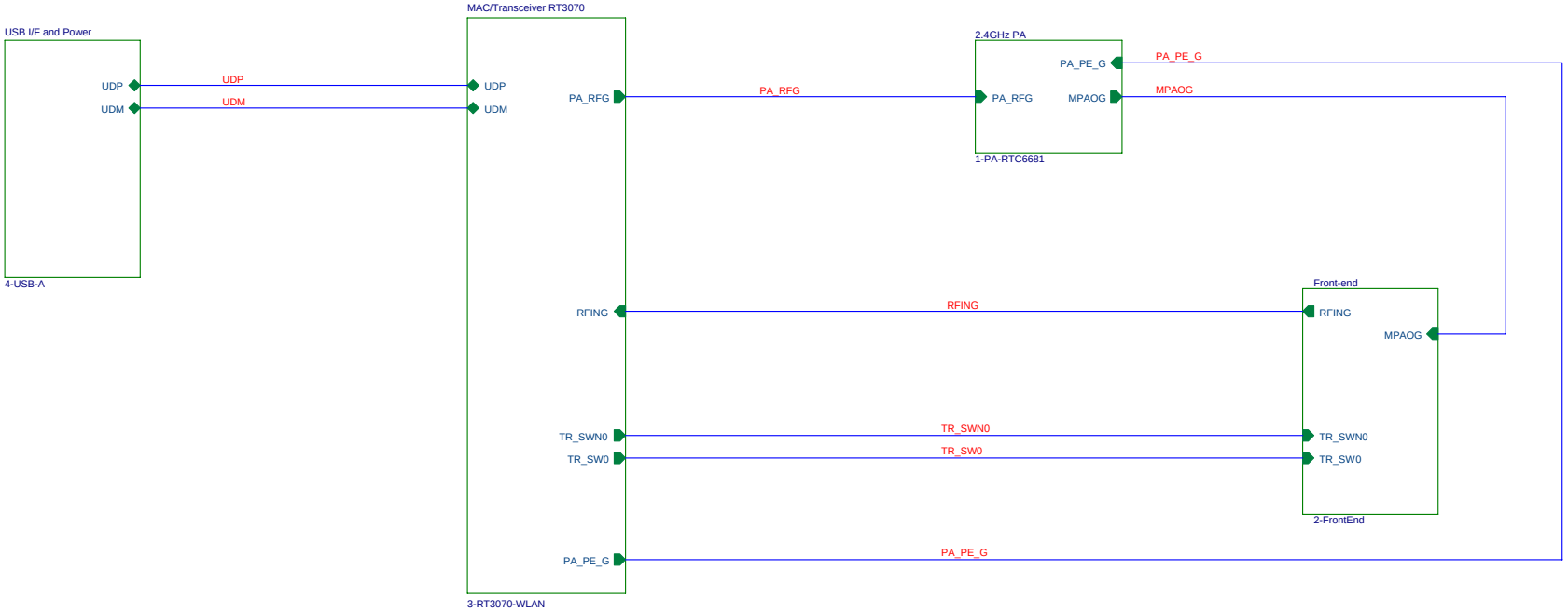
Title: INFOTM IX200 MOBILE INTERNET DEVICE		
Size: A4	Document Number: BATTERY_CHARGER	Rev: 0A
Date: Wednesday, July 21, 2010	Sheet 15 of 15	



Title	INFOTM IX200 MOBILE INTERNET DEVICE	
Size B	Document Number BL BOARD CNN_USB	Rev 0A
Date: Wednesday, July 14, 2010	Sheet 1 of 2	

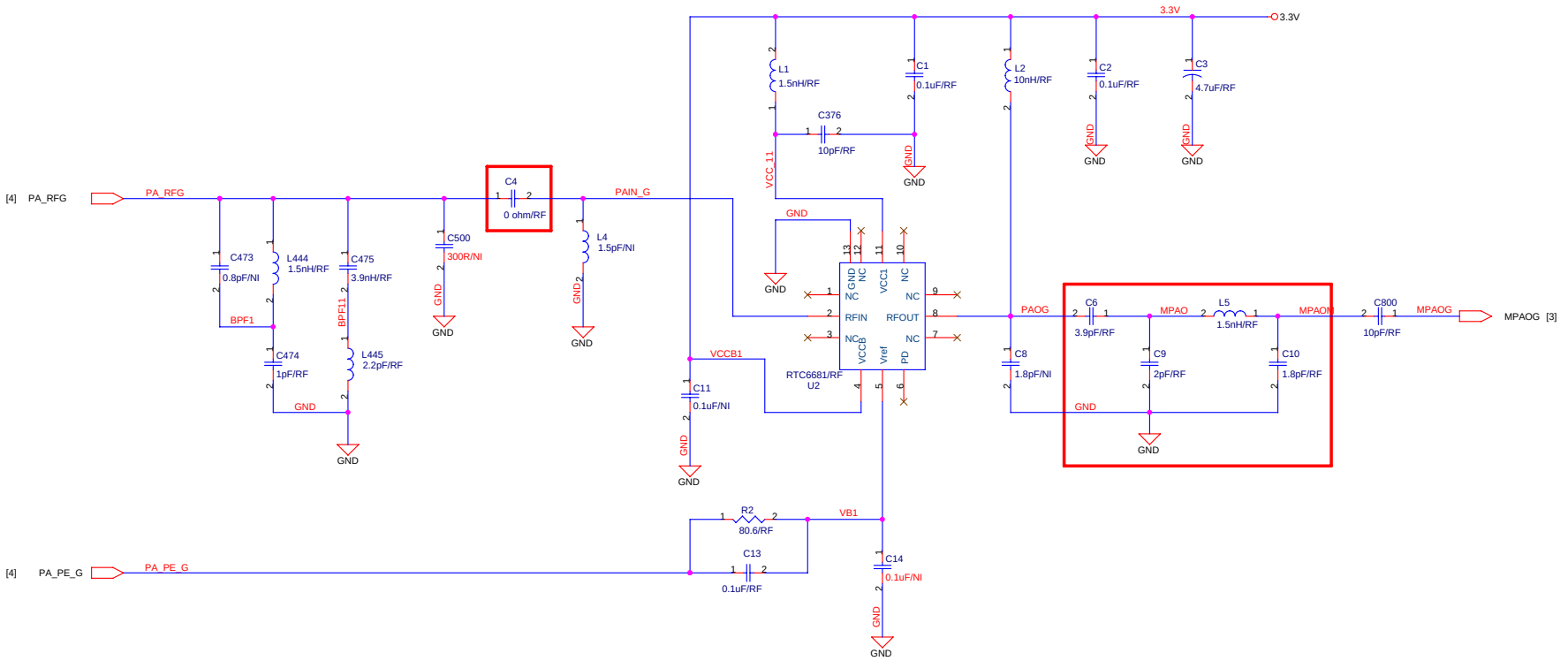


Title	INFOTM IX200 MOBILE INTERNET DEVICE	
Size A	Document Number BL BOARD CNN_USB	Rev 0A
Date: Wednesday, July 14, 2010	Sheet 2 of 2	

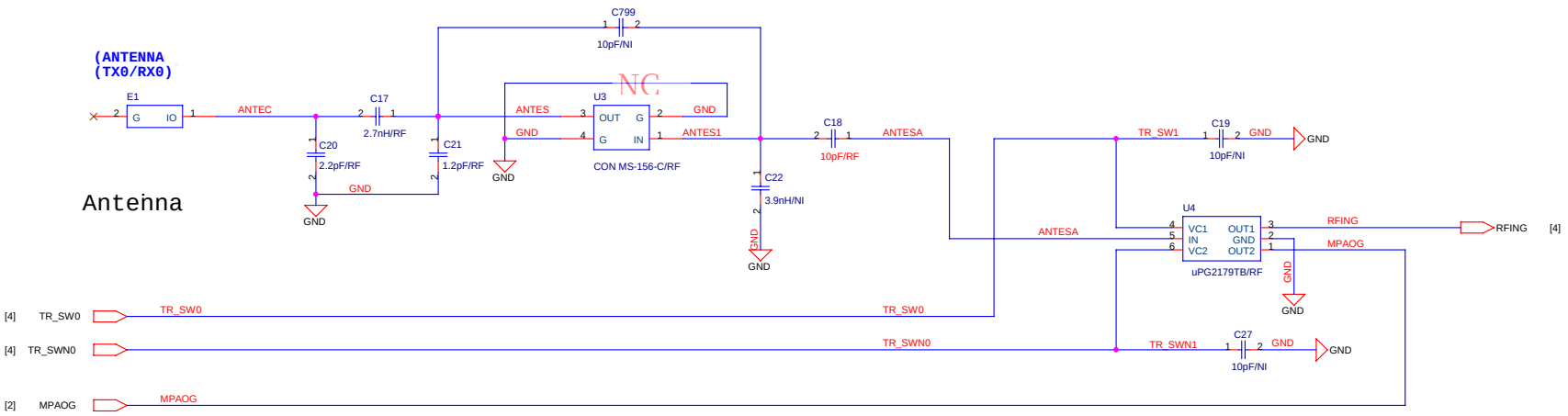


Filename:
PEN-RT3070-QFN-V32RW-EFUSE-090109.DSN

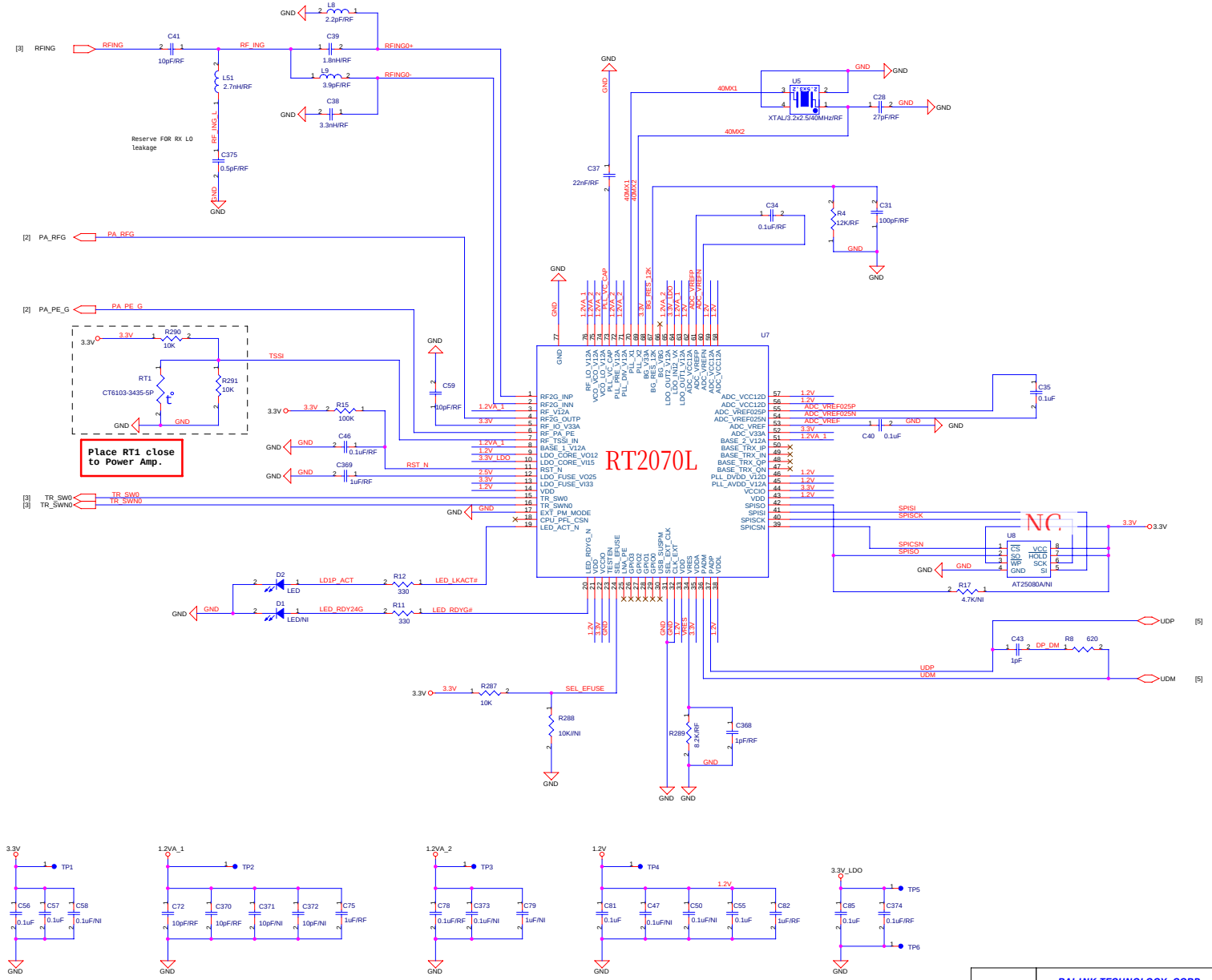
	RALINK TECHNOLOGY, CORP.	
	Title: 2.4G USB Card - RT3070	
Size: B	Document Number: PEN-RT3070-QFN-V32RW-1X1.SCH	Rev: 3.2
Date: Friday, January 09, 2009	Sheet 1 of 6	

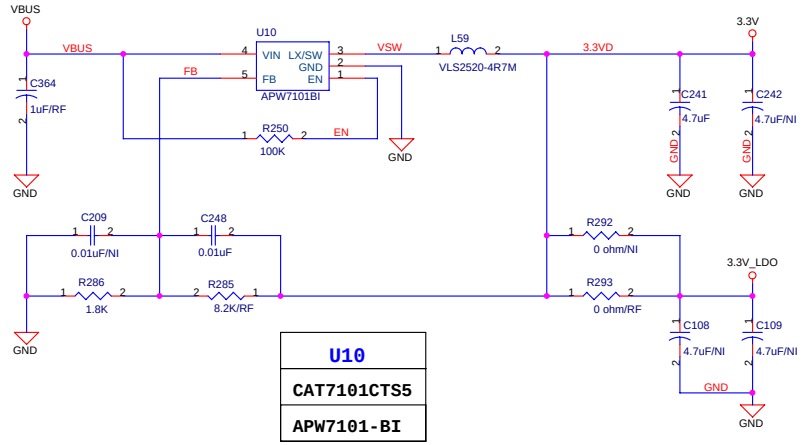


RALINK TECHNOLOGY, CORP.		
Title	2.4GHz PA	
Size: B	Document Number: 1-PA-RTC6681.SCH	Rev: 3.2
Date: Friday, January 09, 2009	Sheet 2 of 6	

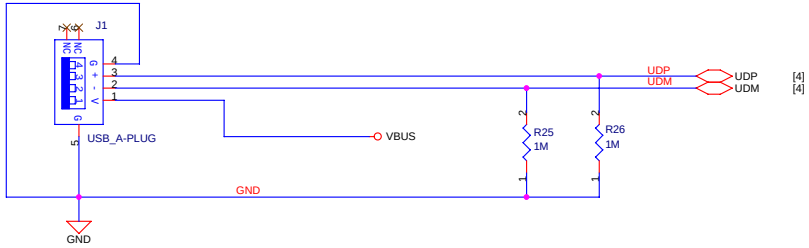


RALINK TECHNOLOGY, CORP.			
Title: Front-End			
Size: B	Document Number: 2-FrontEnd.SCH		Rev: 3.2
Date: Monday, October 06, 2008		Sheet 3 of 6	


RT2070L
Place RT1 close to Power Amp.
Reserve FOR RX LO leakage
NC
RALINK TECHNOLOGY, CORP.
RT3070-WLAN
3-RT3070-WLAN.SCH
Friday, January 09, 2009



U10
CAT7101CTS5
APW7101-BI



Company	RALINK TECHNOLOGY, CORP.	
Title	PEN USB Interface and Power	
Size: B	Document Number: 4-USB-A.SCH	Rev: 3.2
Date: Monday, October 06, 2008	Sheet 5 of 6	