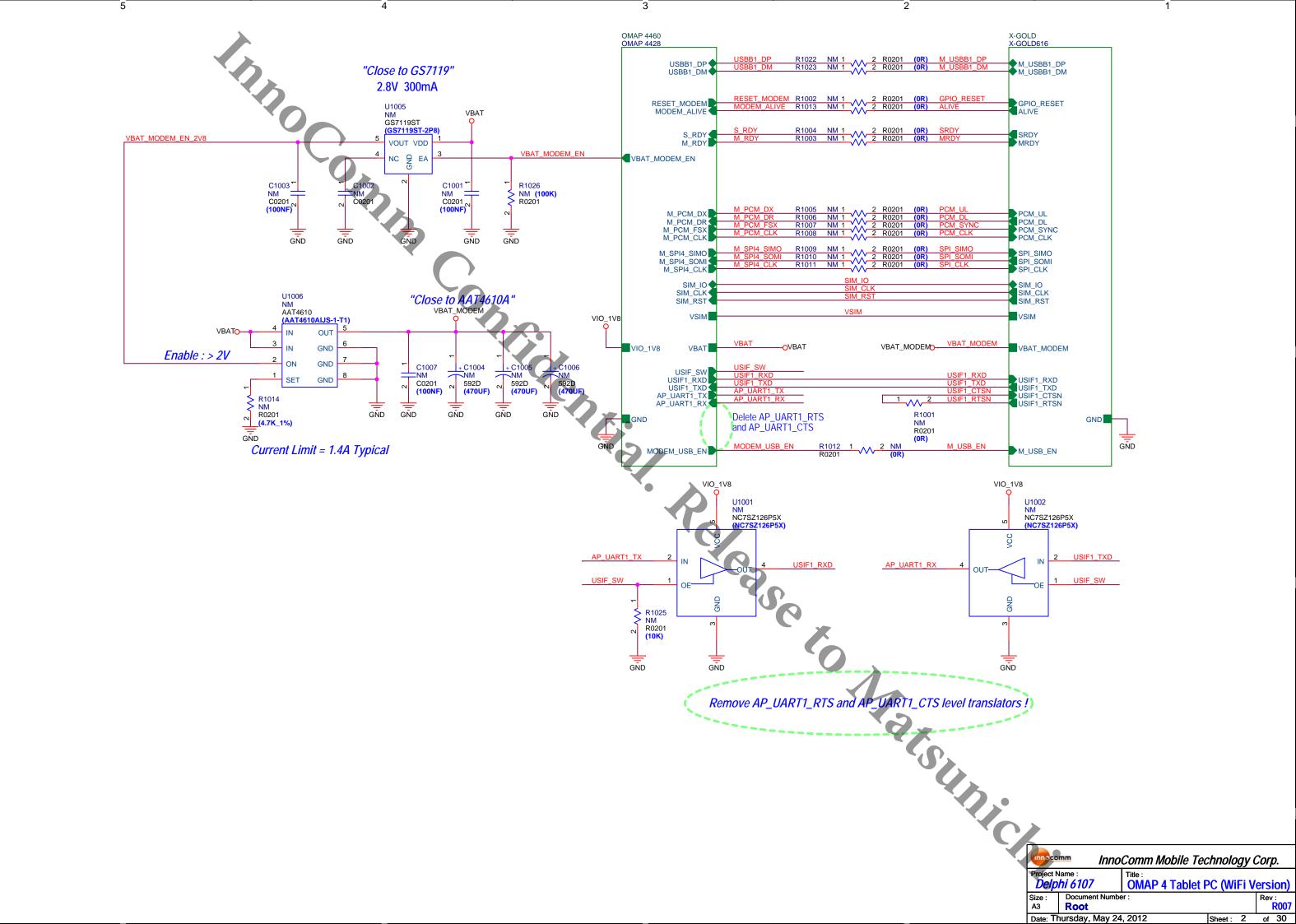
Co.Delphi Co.Delphi Co.A.P. PP3 (R007)

Project Name : Title :

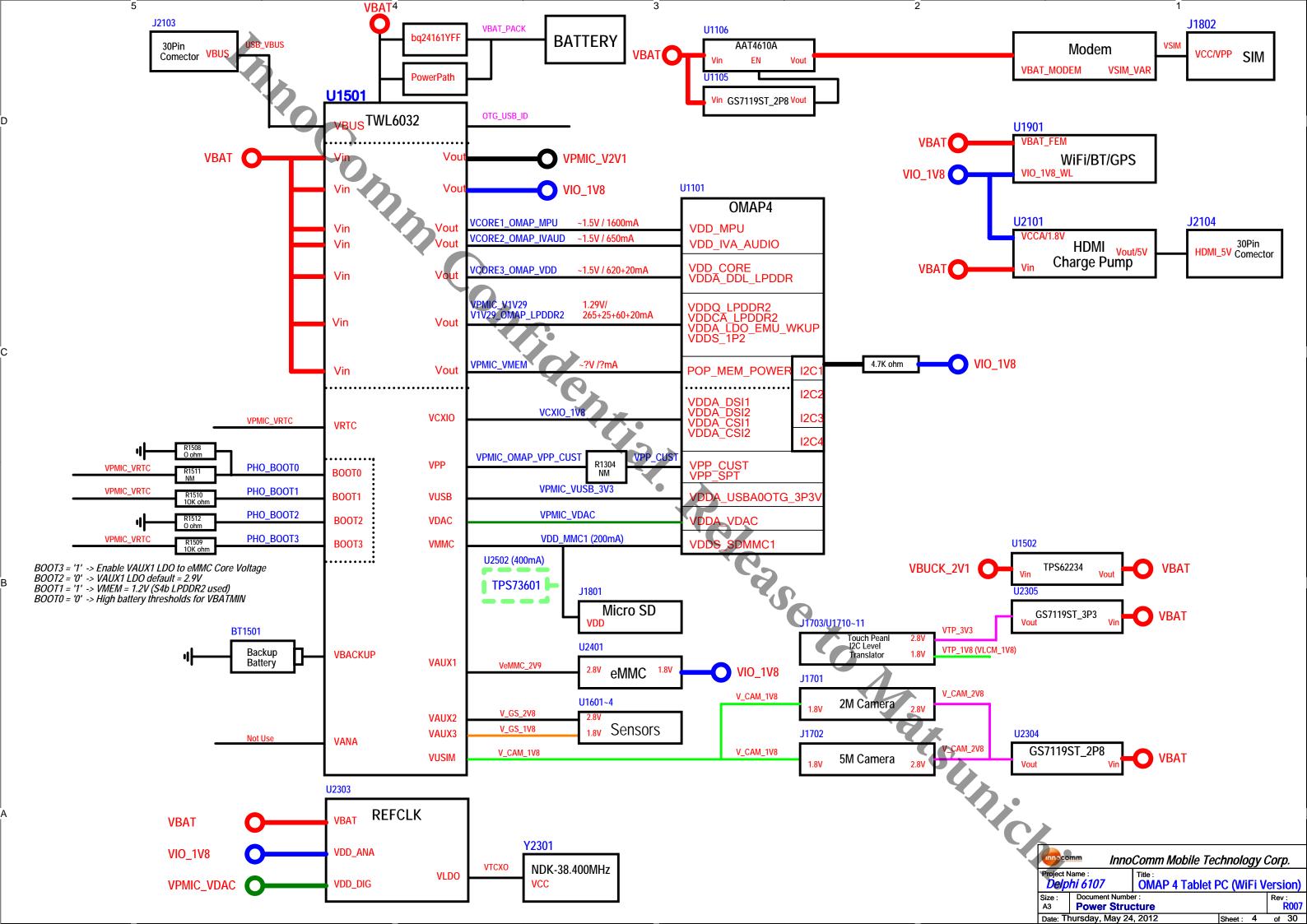
Delphi 6107 OMAP 4 Tablet PC (WiFi Version)

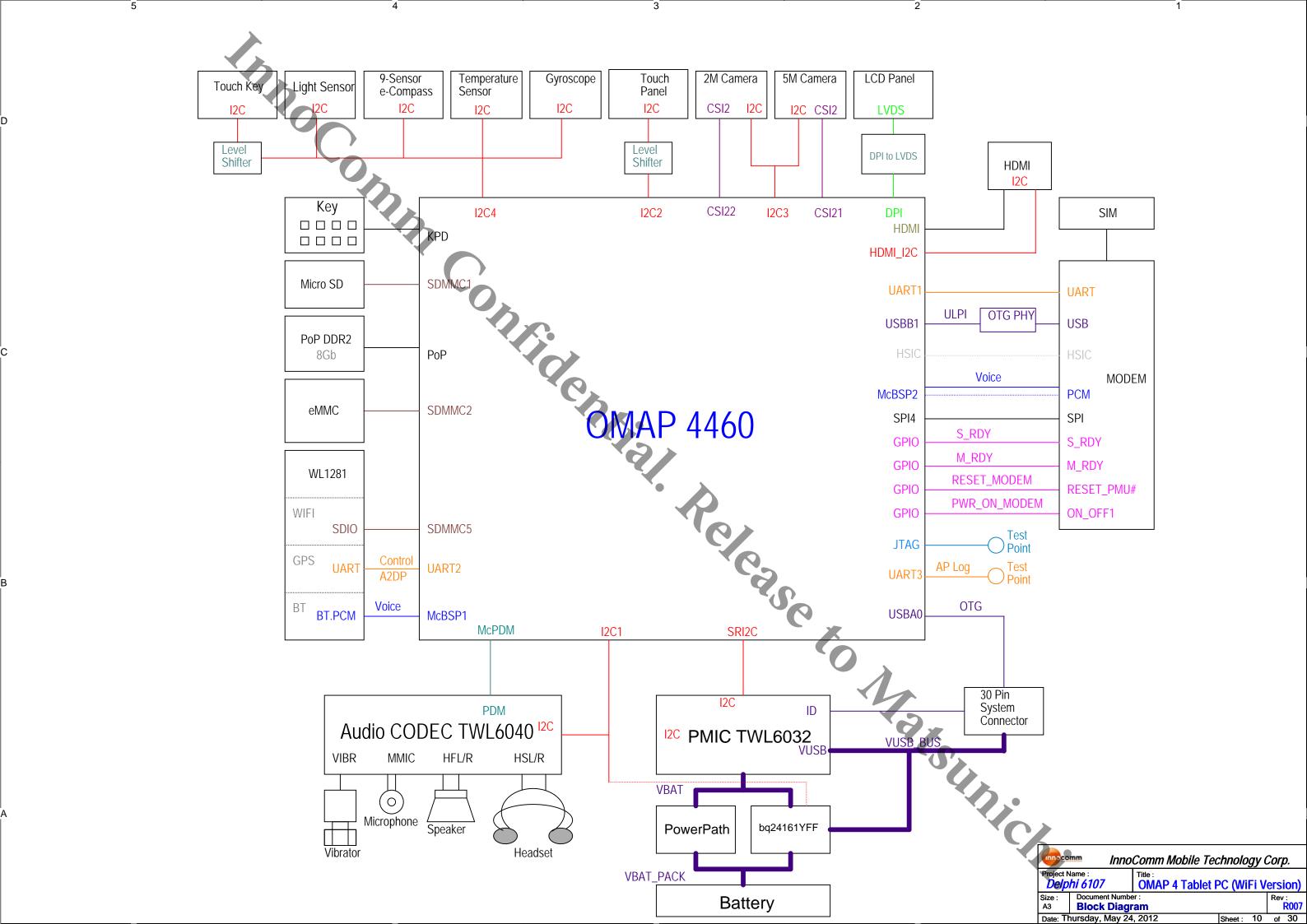
Size : Document Number : Rev : R007

Date: Thursday, May 24, 2012 Sheet : 1 of 30



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EP1 R001 (OMAP 4430)
OMAP 4430 + TWL6030 + TWL6040 A1 + TI bq24161YFF
HW_VER[S3, S2, S1] = 000
EP1 R002 (OMAP 4460)
OMAP 4460 1.2GHz + TWL6032 ES 1.0 + TWL6040 A1
HW_{VER}[S3, S2, S1] = 001
Change CPU from OMAP 4430 to OMAP 4460
Move S_RDY from GPIO_WK7 to GPIO_WK8
Change PMIC from TWL6030 to TWL6032
Add U2301 800mA External Charger bq24210, in order to get extra 500mA charging current
Change Freescale g-Sensor and Freescale eCompass to ST Microelectronic g-Sensor + eCompass LSM303DLHC
Add U2502 TPS73601DBVT 400mA LDO to Support SD 3.0 SDR50 Mode
EP2 R003 (OMAP 4460)
OMAP 4460 1.5GHz + TWL6032 ES 1.0 + TWL6040 A1
HW_{VER}[S3, S2, S1] = 010
Change external charger IC U2301 bq24210 DPM resistor R2301 from 5.1K ohm to NM. (DPM Threshold = Battery + 100mV)
Swap components of L1503 and L1504
FP R004 (OMAP 4460)
OMAP 4460 1.5GHz + TWL6032 ES 1.1 + TWL6040 A1
HW_{VER}[S3, S2, S1] = 011
Change light sensor from ELAN ePL5804 to ePL6804
Remove 800mA External Charger U2301 TI bq24210 circuit. (Two battery chargers might interference one aother.)
Remove Touch Key Circuit (Android 4.0 Icecream Sandwitch does not support touch key!)
Change OMAP Bootup Sequence Configuration from SYS_BOOT[5:0] = 0b010110 (USB -> UART -> MMC1 -> MMC1 -> MMC2/1) to SYS_BOOT[5:0] = 0b110110 (MMC2/1 -> USB -> UART -> MMC1).
PP R005 (OMAP 4460)
OMAP 4460 1.5GHz + TWL6032 ES 1.1 + TWL6040 A1
HW_{VER}[S3, S2, S1] = 100
Add External Charger Circuit U2301 TI bq24161YFF
PP2 R006 (OMAP 4460)
OMAP 4460 1.5GHz + TWL6032 ES 1.1 + TWL6040 A2
HW_VER[S3, S2, S1] = 101
Seperated Ground Plans for PMIC TWL6032
Add 10uF capacitors C1714 and C1715 to improve camera Low Lux Noise.
Add 100nF capacitor C2322 as a filter for external battery charger IC TI bq24121 temperature sensing voltage.
Change C2221 from 1uF to 470nF. Fixe the LCD panel backlight discontinuous slope issue at high brightness.
PP3 R007 (OMAP 4460)
Change B1501 ~ B1505 to Short pad.
                                                                                                                                         InnoComm Mobile Technology Corp.
                                                                                                                            innocomm
Add T1701 (NM), T1702 (NM), TP2302
                                                                                                                            Project Name:
Add 10uF capacitors C1716 and C1717(NM) to improve camera Low Lux Noise.
                                                                                                                            Delphi 610
                                                                                                                                              OMAP 4 Tablet PC (WiFi Version)
Remove R1711
                                                                                                                                   Document Number
                                                                                                                                                                          R007
Change SP2 footprint to SQ-46G
                                                                                                                                  Change List
                                                                                                                            Date: Thursday, May 24, 2012
                                                                                                                                                                         of 30
                                                                                                                                                               Sheet: 3
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OMAP / Host Signaling I/Fs Component ROOM = OMAP 111101A OMAP4428 111-1003315 NC for OMAP 4428 and OMAP 4430 M27 MODEM PCM CSI22_DY2/CAM2_WEN N27 M PCM CLK// ABE_McBSP2_CLKX/McSPI2_CLK/ABE_MCASP_AHCLKX/GPIO_110/USBB2_MM_RXDM/SAFE_MODE ABE_McBSP2_DR/McSPI2_SOMI/ABE_MCASP_AXR/GPIO_111/USBB2_MM_RXDP/SAFE_MODE ABE_McBSP2_DX/McSPI2_SIMO/ABE_MCASP_AMUTE/GPIO_112/USBB2_MM_RXRCV/SAFE_MODE SDMMC5 CSI22_DX2/CAM2_FID M_PCM_DR M PCM DX SDMMC5_CLK/MCSPI2_CLK/USBC1_ICUSB_DP/GPIO_145/SAFE_MODE R1118 1 R1119 1 SDMMC5_CMD/MCSPI2_SIMO/USBC1_ICUSB_DM/GPI0_146/SAFE_MODE SDMMC5_DAT0/MCSPI2_SOMI/USBC1_ICUSB_RCV/GPI0_147/SAFE_MODE ABE_McBSP2_FSX/McSPI2_CS0/ABE_MCASP_AFSX/GPI0_113/USBB2_MM_TXEN/SAFE_MODE WIFE SDIO DATO ABE_McBSP1_CLKX/ABE_SLIMBUS1_CLOCK/GPIO_114/SAFE_MODE
ABE_McBSP1_DR/ABE_SLIMBUS1_DATA/GPIO_115/SAFE_MODE SDMMC5_DAT1/USBC1_ICUSB_TXEN/GPIO_148/SAFE_MODE SDMMC5_DAT2/MCSPI2_CS1/GPIO_149/SAFE_MODE BT_PCM_DR ABE McBSP1 DX/SDMMC3 DAT2/ABE MCASP ACLKX/GPIO 116/SAFE MODE SDMMC5_DAT3/MCSPI2_CS0/GPIO_150/SAFE_MODE WIFL SDIO DAT3 ABE McBSP1_FSX/SDMMC3_DAT3/ABE_MCASP_AMUTEIN/GPIO_117/SAFE_MODE MAIN CAM CLK+ CSI21_DX0/GPI_67/SAFE_MODE ABE_PDM_UL_DATA/ABE_McBSP3_DR/SAFE_MODE ABE_PDM_DL_DATA/ABE_McBSP3_DX/SAFE_MODE ABE_PDM_FRAME/ABE_McBSP3_CLKX/SAFE_MODE ABE_PDM_LB_CLK/ABE_McBSP3_FSX/SAFE_MODE ABE_CLKS/GPIO_118/SAFE_MODE MAIN_CAM_CLK-MAIN_CAM_DAT0+ h_PDM_UL_DATA CSI21_DY0/GPI 68/SAFE MODE Main Camera h_PDM_DL_DATA h_PDM_FRAME CSI21_DX1/GPI_69/SAFE_MODE MAIN_CAM_DAT0-CSI21 DY1/GPI 70/SAFE MODE CSI21_DX2/GPI_71/SAFE_MODE **Input Only** h ABE CLKS CSI21_DY2/GPI_72/SAFE_MODE CSI21_DX3/GPI_73/SAFE_MODE ABE_DMIC_CLK1/GPIO_119/USBB2_MM_TXSE0/SAFE_MODE ABE_DMIC_DIN1/GPIO_120/USBB2_MM_TXDAT/SAFE_MODE ABE_DMIC_DIN2/SLIMBUS2_CLOCK/GPIO_121/SAFE_MODE ABE_DMIC_DIN3/SLIMBUS2_DATA/ABE_DMIC_CLK2/GPIO_122/SAFE_MODE VDDA_CŠI21 Power Domain V25 3 W26 CSI21_DY3/GPI_74/SAFE_MODE CSI21_DX4/GPI_75/SAFE_MODE VDDA_CSI22 Power Domain Modem USB CSI21_DY4/GPI_76/SAFE_MODE LCD_BL_EN USBB1_ULPITLL_CLK/HSl1_CAWAKE/GPIO_84/USBB1_ULPIPHY_CLK/ATTILA_HW_DBG20/SAFE_MODE
USBB1_ULPITLL_STP/HSl1_CADATA/McBSP4_CLKK/GPIO_85/USBB1_ULPIPHY_STP/USBB1_MM_RXDP/ATTILA_HW_DBG21/SAFE_MODE
USBB1_ULPITLL_DIR/HSl1_CAFLAG/McBSP4_FSR/GPIO_86/USBB1_ULPIPHY_DIR/ATTILA_HW_DBG22/SAFE_MODE
USBB1_ULPITLL_DIR/HSl1_ACREADY/McBSP4_FSX/GPIO_87/USBB1_ULPIPHY_NXT/USBB1_MM_RXDM/ATTILA_HW_DBG23/SAFE_MODE
USBB1_ULPITLL_DATO/HSl1_ACCWAKE/McBSP4_CLKX/GPIO_88/USBB1_ULPIPHY_DATO/USBB1_MM_RXRCV/ATTILA_HW_DBG23/SAFE_MODE
USBB1_ULPITLL_DATO/HSl1_ACDATA/McBSP4_DX/GPIO_89/USBB1_ULPIPHY_DAT1/USBB1_MM_TXSE0/ATTILA_HW_DBG25/SAFE_MODE
USBB1_ULPITLL_DAT1/HSl1_ACFLAG/McBSP4_DR/GPIO_90/USBB1_ULPIPHY_DAT2/USBB1_MM_TXDAT/ATTILA_HW_DBG26/SAFE_MODE
USBB1_ULPITLL_DAT3/HSl1_CAREADY/GPIO_91/USBB1_ULPIPHY_DAT3/USBB1_MM_TXEN/ATTILA_HW_DBG26/SAFE_MODE
USBB1_ULPITLL_DAT3/DMTIMER8_PWM_EVT/ABE_McBSP3_DX/GPIO_93/USBB1_ULPIPHY_DAT3/HTILA_HW_DBG28/SAFE_MODE
USBB1_ULPITLL_DAT6/DMTIMER8_PWM_EVT/ABE_McBSP3_DX/GPIO_93/USBB1_ULPIPHY_DAT6/ABE_DMIC_DIN3/ATTILA_HW_DBG30/SAFE_MODE
USBB1_ULPITLL_DAT6/DMTIMER9_PWM_EVT/ABE_McBSP3_DX/GPIO_94/USBB1_ULPIPHY_DAT6/ABE_DMIC_DIN3/ATTILA_HW_DBG30/SAFE_MODE
USBB1_ULPITLL_DAT6/DMTIMER9_PWM_EVT/ABE_McBSP3_DX/GPIO_95/USBB1_ULPIPHY_DAT6/ABE_DMIC_CLK3/ATTILA_HW_DBG31/SAFE_MODE
USBB1_ULPITLL_DAT6/DMTIMER9_PWM_EVT/ABE_McBSP3_FSX/GPIO_95/USBB1_ULPIPHY_DAT7/ABE_DMIC_CLK3/ATTILA_HW_DBG31/SAFE_MODE
USBB1_ULPITLL_DAT6/DMTIMER9_PWM_EVT/ABE_McBSP3_FSX/GPIO_95/USBB1_ULPIPHY_DAT7/ABE_DMIC_CLK3/ATTILA_HW_DBG31/SAFE_MODE
USBB1_ULPITLL_DAT6/DMTIMER9_PWM_EVT/ABE_MCBSP3_FSX/GPIO_95/USBB1_ULPIPHY_DAT7/ABE_DMIC_CLK3/ATTILA_HW_DBG31/SAFE_MODE
USBB1_ULPITLL_DAT6/DMTIMER9_DS/SAFE_MODE **YSUB CAM CLK+** CSI22_DX0/GPI_77/SAFE_MODE M25 HSUSB1 CLK SUB_CAM_CLK-CSI22_DY0/GPI_78/SAFE_MODE CSI22_DX1/GPI_79/SAFE_MODE SUB_CAM_DAT0+ 17 17 Sub Camera CSI22_DY1/GPI_80/SAFE_MODE CAM_SHUTTER/GPIO_81/SAFE_MODE HSUSB1 DIF SUB_CAM_nSTANDBY
CAM_STROBE 17
CAM_nRESET 17 CAM_STROBE/GPIO_82/SAFE_MODE CAM_GLOBALRESET/GPIO_83/SAFE_MODE B7 C7 D7 CVIDEO_TVOUT CVIDEO_VFB CVIDEO_RSET P3 P4 N3 N4 TP1113 Q 1 USBB1_HSIC_DATA/GPIO_96/SAFE_MODE USBB1_HSIC_STROBE/GPIO_97/SAFE_MODE DSI1_DY0 DSI1_DX1 TP1114 C DSI1 DY1 DSI1_DY1 DSI1_DX2 M4 SDMMC1_CLK/DPM_EMU19/GPIO_100/SAFE_MODE SDMMC1_CMD/UART1_RX/GPIO_101/SAFE_MODE SDMMC1_DAT0/DPM_EMU18/GPIO_102/SAFE_MODE DSI1_DY2 L3 L4 DSI1 DX3 SDMMC1_DAT1/DPM_EMU17/GPIO_103/SAFE_MODE DSI1_DY3 MICRO SD SDMMC1_DAT1/DPM_EMU1//GPIO_103/SAFE_WIGDE SDMMC1_DAT2/DPM_EMU16/GPIO_104/JTAG_TMS_TMSC/SAFE_MODE_ VDD_SDMMC1 Power Domain DSI1 DX4 SDMMC1_DAT3/DPM_EMU15/GPIO_105/JTAG_TCK/SAFE_MODE SDMMC1_DAT4/GPIO_106/SAFE_MODE SDMMC1_DAT5/GPIO_107/SAFE_MODE R0201 SD_DAT[0:3] DSI2 DX0 SDMMC1_DAT6/GPIO_108/SAFE_MODE SDMMC1_DAT7/GPIO_109/SAFE_MODE DSI2_DY0 DSI2_DX1 TEXAS **BT UART2** DSI2_DY1 UART2 CTS/SDMMC3 CLK/GPIO 123/SAFE MODE DSI2 DX2 V4 R0201 UART2_RTS/SDMMC3_CMD/GPIO_124/SAFE_MODE UART2_RX/SDMMC3_DAT0/GPIO_125/SAFE_MODE BT UART2 RTS **INSTRUMENTS** </>>eMMC_AD[0:7] BT UART2 TX UART2_TX/SDMMC3_DAT1/GPIO_126/SAFE_MODE GPMC_AD0/SDMMC2_DAT0 OMAP4460 ES2.0, EMU, GPMC_AD1/SDMMC2_DAT1 GPMC_AD2/SDMMC2_DAT2 McSPI1 CLK/GPIO 134/SAFE MODE 12x12mm, FCPOP1 McSPI1_SOMI/GPIO_135/SAFE_MODE McSPI1_SIMO/GPIO_136/SAFE_MODE GPMC_AD3/SDMMC2_DAT3 GPMC_AD4/SDMMC2_DAT4/SDMMC2_DIR_DAT0 (547 Bottom Balls, 0.4mm Pitch, 216 Top Pads) **MODEM UART1** McSPI1_CS0/GPIO_137/SAFE_MODE

McSPI1_CS1/UART1_RX/GPIO_138/SAFE_MODE GPMC_AD5/SDMMC2_DAT5/SDMMC2_DIR_DAT1 GPMC_AD6/SDMMC2_DAT6/SDMMC2_DIR_CMD U1101 POP McSPI1_CS2/UART1_CTS/SLIMBUS2_CLOCK/GPIO_139/SAFE_MODE GPMC_AD7/SDMMC2_DAT7/SDMMC2_CLK_FDBK Delete AP_UART1_CTS and AP_UART1_RTS 17 McSPI1_CS3/UART1_RTS/SLIMBUS2_DATA/GPIO_140/SAFE_MODE UART3_CTS_RCTX/UART1_TX/GPIO_141/SAFE_MODE GPMC_AD8/KPD_ROW0/C2C_DATA15/GPIO_32 GPMC_AD9/KPD_ROW1/C2C_DATA14/GPIO_33 AP UART1 TX EDB8164B3PF-8D-F BAT CHRG GDN UART3_RTS_SD/GPIO_142/SAFE_MODE
UART3_RX_IRRX/DMTIMER8_PWM_EVT/GPIO_143/SAFE_MODE GPMC_AD10/KPD_ROW2/C2C_DATA13/GPIO_34 GPMC_AD11/KPD_ROW3/C2C_DATA12/GPIO_35 TP1103 TP-1.5 LOG UART3 TX UART3_TX_IRTX/DMTIMER9_PWM_EVT/GPIO_144/SAFE_MODE GPMC_AD12/KPD_COL0/C2C_DATA11/GPIO_36 4Gb POP MEMORY (MOUNT ON TOP OF OMAP4430) GPMC_AD13/KPD_COL1/C2C_DATA10/GPIO_37 **MODEM SPI4** SMAIN CAM nSTANDBY GPMC_AD14/KPD_COL2/C2C_DATA9/GPIO38 MAIN_CAM_SHUTDOWN McSPI4 CLK/SDMMC4 CLK/GPIO 151/SAFE MODE GPMC AD15/KPD COL3/C2C DATA8/GPIO39 McSPI4_SIMO/SDMMC4_CMD/GPIO_152/SAFE_MODE GPMC_A16/KPD_ROW4/C2C_DATAINO/GPIO40/VENC_656_DATAIO
GPMC_A17/KPD_ROW5/C2C_DATAIN1/GPIO_41/VENC_656_DATA1/SAFE_MODE
GPMC_A18/KPD_ROW6/C2C_DATAIN2/GPIO_42/VENC_656_DATA1/SAFE_MODE
GPMC_A19/KPD_ROW7/C2C_DATAIN3/GPIO_43/VENC_656_DATA3/SAFE_MODE
GPMC_A20/KPD_COL4/C2C_DATAIN4/GPIO_45/VENC_656_DATA4/SAFE_MODE
GPMC_A21/KPD_COL5/C2C_DATAIN5/GPIO_45/VENC_656_DATA5/SAFE_MODE
GPMC_A22/KPD_COL6/C2C_DATAIN5/GPIO_46/VENC_656_DATA6/SAFE_MODE
GPMC_A23/KPD_COL7/C2C_DATAIN7/GPIO_47/VENC_656_DATA7/SAFE_MODE
GPMC_A23/KPD_COL7/C2C_DATAIN7/GPIO_47/VENC_656_DATA7/SAFE_MODE
GPMC_A25/C2C_CLKOUT0/GPIO_48/SAFE_MODE McSPI4_SIMU/SDMMC4_LMID/GPI0_152/SAFE_MODE
McSPI4_SOMI/SDMMC4_DAT3/GPI0_153/SAFE_MODE
UART4_RX/SDMMC4_DAT2/GPI0_155/SAFE_MODE
UART4_TX/SDMMC4_DAT1/GPI0_156/SAFE_MODE HDMI_LS_OE CAM 2V8 EN TP-0.5 TP1115 ()-TP1116 O SIM IO/GPIO WK0/ATTILA HW DBG1/SAFE MODE A21 SIM_CLK/GPIO_WK1/ATTILA_HW_DBG2/SAFE_MODE G-SENSOR EN 18 R0201 MODEM_USB_EN SIM_RESET/GPIO_WK2/ATTILA_HW_DBG3/SAFE_MODE SIM_CD/GPIO_WK3/ATTILA_HW_DBG4/SAFE_MODE R1108 1 **VDD USIM Power Domain** (MODEM_ALIVE VIO 1V80 GPMC_A25/C2C_CLKOUT1/GPIO_49/SAFE_IVIOUEL

GPMC_nCS0/GPIO_50/SYS_NDMAREQ0
GPMC_nCS1/C2C_DATAOUT6/GPIO_51/SAFE_MODE
GPMC_nCS2/C2C_DATAOUT7/GPIO_52/SAFE_MODE
GPMC_nCS3/GPMC_DIR/C2C_DATAOUT4/GPIO_53/SAFE_MODE
GPMC_nWP/DS11_TE0/GPIO_54/SYS_NDMAREQ1
GPMC_NWP/DS11_TE1/GPIO_56/SYS_NDMAREQ2
GPMC_nADV_ALE//DS11_TE1/GPIO_56/SYS_NDMAREQ2
GPMC_nADV_ALE//DS11_TE1/GPIO_56/SYS_NDMAREQ2
GPMC_NBE0_CLE/DS12_TE0/GPIO_59
GPMC_NBE0_CLE/DS12_TE0/GPIO_59
GPMC_NBE0_CLE/DS12_TE0/GPIO_50
GPMC_WAIT0/DS12_TE1/GPIO_61
GPMC_WAIT1/C2C_DATAOUT2/GPIO_62/SAFE_MODE
GPMC_WAIT1/C2C_DATAOUT2/GPIO_62/SAFE_MODE
B23 ->>USIF_SW SIM_PWR_CTRL/GPIO_WK4/ATTILA_HW_DBG5/SAFE_MODE USBC1_ICUSB_DP/GPIO_98/SAFE_MODE √/G-SENSOR INT1 USBC1_ICUSB_DM/GPIO_99/SAFE_MODE **HDMI** G-SENSOR_INT2 XTP INT HDMI HPD HDMI_HPD/GPIO_63/SAFE_MODE WLAN_IRQ# HDMI_CEC HDMI_CEC/GPIO_64/SAFE_MODE HDMI_DDC_SCL/GPIO_65/SAFE_MODE WLAN_IRU# 19

WLEN 19

BT_EN 19

RESET_MODEM

MMC_CLK 24

MMC_CMD 24

VBAT_MODEM_EN

WBAT_MODEM_EN

MMC_RET__ 24 #د 19 19 HDMI SC HDMI_DDC_SDA/GPIO_66/SAFE_MODE HDMI_DATA0X HDMI_DC HDMI DO HDMI_DATA0Y HDMI DATA1X HDMI D1 HDMI DATA1Y HDMI_D2+ HDMI_DATA2X .1FL 24 16 HDMI_D2 HDMI DATA2Y HDMI_CLOCKX HDMI CLOCKY

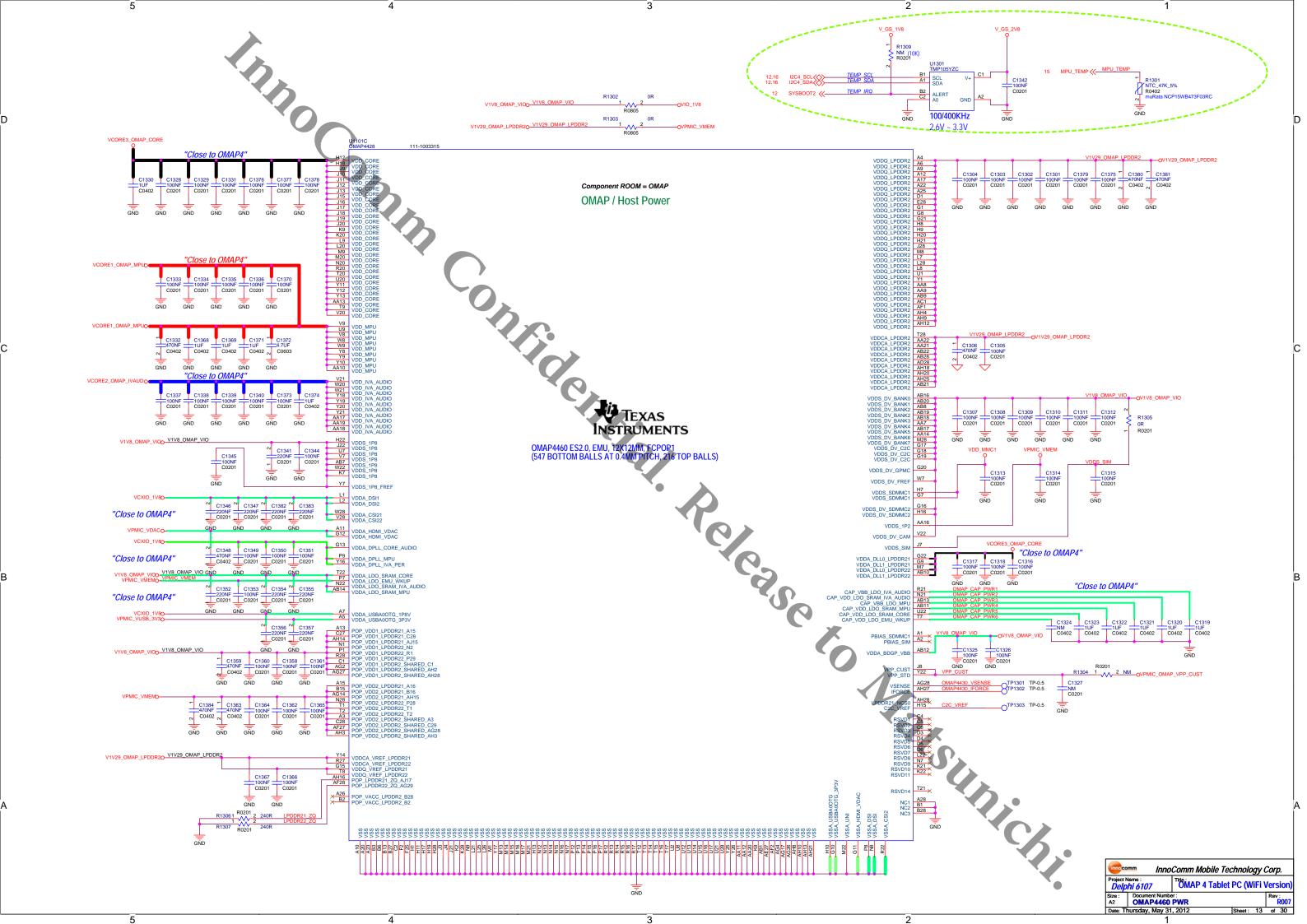
> InnoComm Mobile Technology Corp. Project Name Oracle 6101 **OMAP 4 Tablet PC (WiFi Version)** Document Number R006

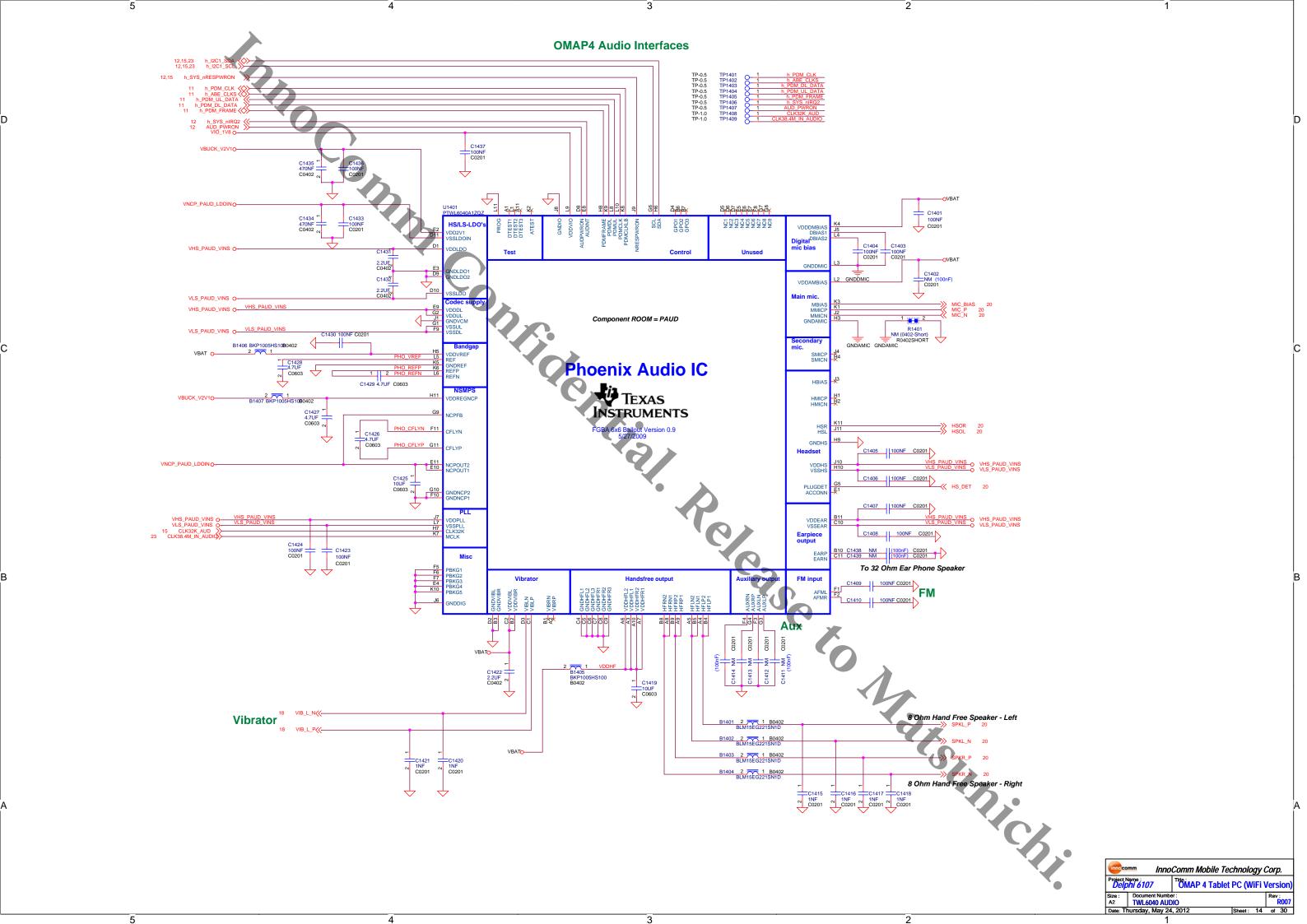
OMAP4428 MEM

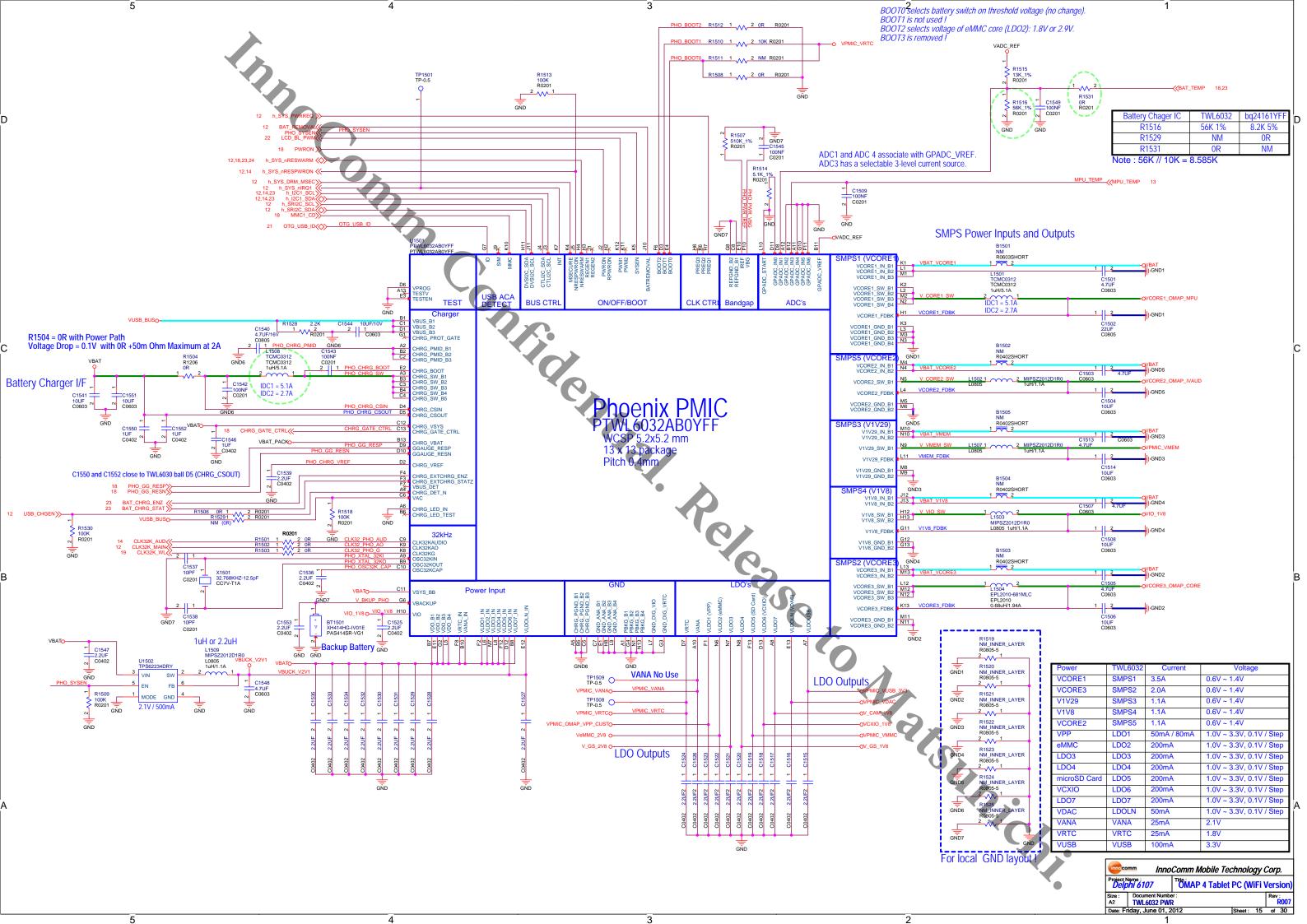
Date: Thursday, May 31, 2012

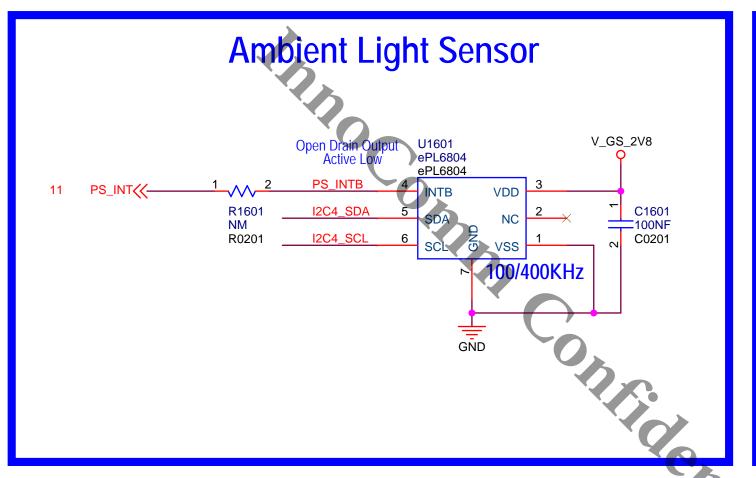
Sheet: 11 of 30

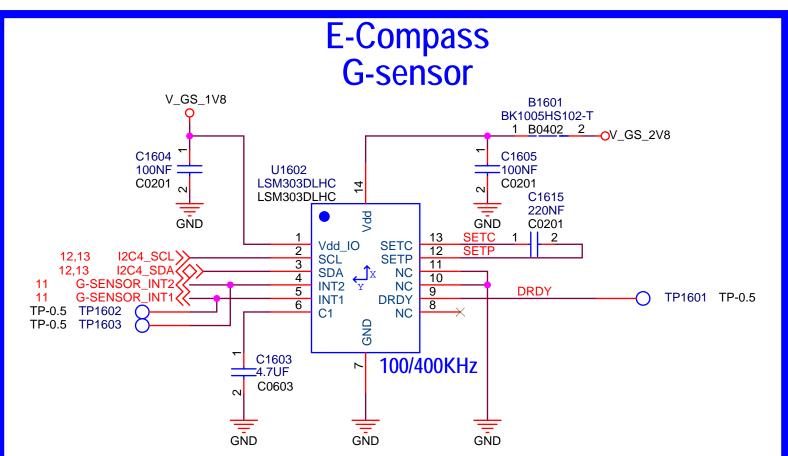
VIO_1V8 **OMAP / Host Signaling I/Fs** Component ROOM = OMAP Remove pull-up resistors for I2C2 ~ I2C4 and AUD_PWRON 111-1003315 HDQ_SIO/I2C3_SCCB/I2C2_SCCB/GPIO_127/SAFE_MODE W27 | 12C3_SCL/GPIO_130/SAFE_MODE | 12C3_SDA/GPIO_131/SAFE_MODE AF6
AE6
SYS_NIRQ2/GPIO_183/SAFE_MODE
SYS_NIRQ1/SAFE_MODE
SYS_PWR_REQ TEXAS KPD_ROW0KPD_ROW3/CAM2_D7/GPIO_178/SAFE_MODE KPD_ROW1KPD_ROW4/CAM2_D9/GPIO_2/SAFE_MODE KPD_ROW3/KPD_ROW5/CAM2_D1/GPIO_3/SAFE_MODE KPD_ROW3/KPD_ROW0/CAM2_D4/GPIO_175/SAFE_MODE KPD_ROW4/KPD_ROW1/CAM2_D5/GPIO_175/SAFE_MODE KPD_ROW5/KPD_ROW2/CAM2_D6/GPIO_177/SAFE_MODE KPD_ROW5/KPD_ROW2/CAM2_D6/GPIO_177/SAFE_MODE FREF_XTAL_VSSOSC SYS_PWRON_RESET_OUT/GPIO_WK29/ATTILA_HW_DBG11 FREF_XTAL_OUT **INSTRUMENTS** TP-0.5 TP1220 SYS_PWKUN_KESET_SOLIDITIES
FREF_XTAL_OUT
FREF_SLICER_IN/GPI_WK5/C2C_WAKEREQIN/SAFE_MODE
FREF_CLK_IOREQ OMAP4460 ES2.0, EMU, 12X12MM, FCPOP1 (547 BOTTOM BALLS AT 0.4MM PITCH, 216 TOP BALLS) R1225 10K KPD_COL0/KPD_COL3/GPIO_174/SAFE_MODE
KPD_COL1/KPD_COL4/CAM2_D8/GPIO_0/SAFE_MODE
KPD_COL3/KPD_COL6/CAM2_D10/GPIO_1/SAFE_MODE
KPD_COL3/KPD_COL6/CAM2_D10/GPIO_174/SAFE_MODE
KPD_COL4/KPD_COL1/CAM2_D10/GPIO_172/SAFE_MODE
KPD_COL4/KPD_COL1/CAM2_D1/GPIO_172/SAFE_MODE
KPD_COL5/KPD_COL2/CAM2_D2/GPIO_173/SAFE_MODE VIO_1V8 0-1 1 2 TP-0.5 TP1208O— TP-0.5 TP1209O— TP-0.5 TP1210O— TP-0.5 TP1212O— TP-0.5 TP1211O— TP-0.5 TP1213O— FREF_CLK1_OUT/GPIO_181/SAFE_MODE FREF_CLK2_OUT/GPIO_181/SAFE_MODE FREF_CLK3_REQ/FREF_CLK1_REQ/SYS_DRM_MSECURE/GPIO_WK30/C2C_WAKEREQIN/SDMMC2_DAT4/ATTILA_HW_DBG7/SAFE_MODE FREF_CLK4_REQ/FREF_CLK5_OUT/GPIO_WK7/SDMMC2_DAT6/ATTILA_HW_DBG10 FREF_CLK4_OUT/GPIO_WK8/ATTILA_HW_DBG10 FREF_CLK0_OUT/FREF_CLK1_REQ/SYS_DRM_MSECURE/GPIO_WK6/SAFE_MODE FREF_CLK3_OUT/FREF_CLK2_REQ/SYS_SECURE_INDICATOR/GPIO_WK31/C2C_WAKEREQOUT/SDMMC2_DAT5/ATTILA_HW_DBG8/SAFE_MODE FREF_CLK3_OUT/FREF_CLK2_REO/SYS_
JATTILA_HW_DBG2/SAFE_MODE
TA10/ATTILA_HW_DBG3/SAFE_MODE
TA9/ATTILA_HW_DBG3/SAFE_MODE
TA9/ATTILA_HW_DBG4/SAFE_MODE
JO 17/RFBI_HSYNCA/DISPC2_DATA16/ATTILA_HW_DBG5/SAFE_MODE
JO 17/RFBI_HSYNCA/DISPC2_DATA17/ATTILA_HW_DBG6/SAFE_MODE
JO 18/RFBI_CSO/DISPC2_DATA17/ATTILA_HW_DBG6/SAFE_MODE
JO 18/RFBI_CSO/DISPC2_PCLK/ATTILA_HW_DBG9/SAFE_MODE
JO 18/RFBI_WE/DISPC2_SYNCA/ATTILA_HW_DBG9/SAFE_MODE
DISPC2_DATA8/ATTILA_HW_DBG1/SAFE_MODE
TA9/DISPC2_DATA6/ATTILA_HW_DBG1/SAFE_MODE
TA9/DISPC2_DATA6/ATTILA_HW_DBG1/SAFE_MODE
JATA9/DISPC2_DATA6/ATTILA_HW_DBG1/SAFE_MODE
ATA40/DISPC2_DATA6/ATTILA_HW_DBG1/SAFE_MODE
DATA40/DISPC2_DATA6/ATTILA_HW_DBG1/SAFE_MODE
RFBI_DATA5/DISPC2_DATA6/ATTILA_HW_DBG1/SAFE_MODE
RFBI_DATA5/DISPC2_DATA6/ATTILA_HW_DBG1/SAFE_MODE
RFBI_DATA5/DISPC2_DATA6/ATTILA_HW_DBG1/SAFE_MODE
RFBI_DATA5/DISPC2_DATA6/ATTILA_HW_DBG1/SAFE_MODE
JORFBI_DATA6/DISPC2_DATA6/ATTILA_HW_DBG1/SAFE_MODE
JORFBI_DATA6/DISPC2_DATA6/ATTILA_HW_DBG1/SAFE_MODE
JORFBI_DATA6/DISPC2_DATA6/ATTILA_HW_DBG1/SAFE_MODE
JORFBI_DATA6/DISPC2_DATA6/ATTILA_HW_DBG1/SAFE_MODE
JORFBI_DATA6/DISPC2_DATA6/ATTILA_HW_DBG1/SAFE_MODE R1203 33R R0201 GPMC_nCS7/DSI2_TE1/C2C_DATAOUT1/GPIO_104/SAFE_MODE
GPMC_WAIT2/USBC1_ICUSB_TXEN/C2C_DATAOUT3/GPIO_100/SYS_NDMAREQ0/SAFE_MODE
GPMC_nCS4/DSi1_TE0/C2C_CLKIN/GPIO_101/SYS_NDMAREQ1/SAFE_MODE
GPMC_nCS5/DSI1_TE1/C2C_CLKIN/GPIO_102/SYS_NDMAREQ3/SAFE_MODE
GPMC_nCS6/DSI2_TE0/C2C_DATAOUT0/GPIO_103/SYS_NDMAREQ3/SAFE_MODE × A27 ATESTV R1209 OR R0201 VIO_1V8 R1210 2.2K R0201 R1206 R1207 2.2K 2.2K R0201 R0201 Hardware Version [S3, S2, S1] = 101 GND R1208 NM (0R) R020 SYSBOOT2 OMAP 4460 Boot Priority Cofiguration VIO 1V8 VIO 1V8 SYS_BOOT[5:0] 1st 2nd 3rd 4th SYSBOOT3 SYSBOOTS
SYS R1231 NM R0201 0b010110 USB UART MMC1 MMC2(1 R1232 NM R0201 0b110110 MMC2(1) USB UART MMC1 R1233 NM R0201 R1234 NM R0201 InnoComm Mobile Technology Corp. Project Name : Delphi 6107 Tile OMAP 4 Tablet PC (WiFi Version Size : Document Number : A2 OMAP4460_PERI

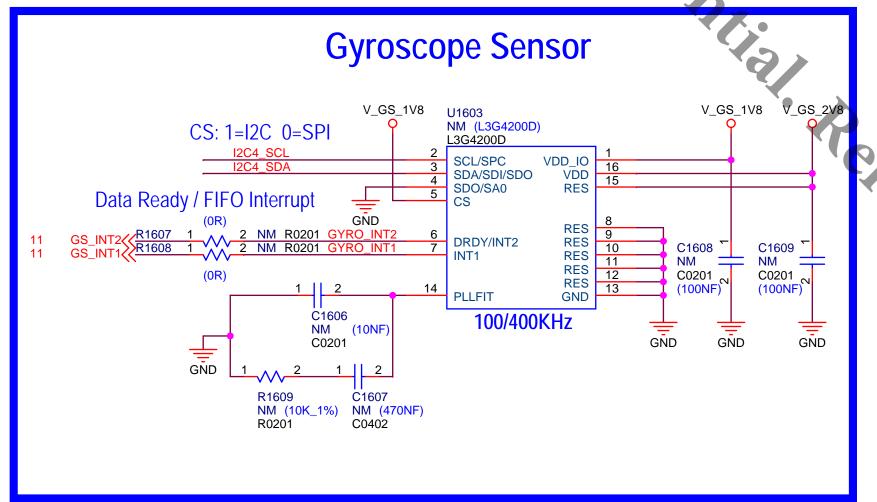












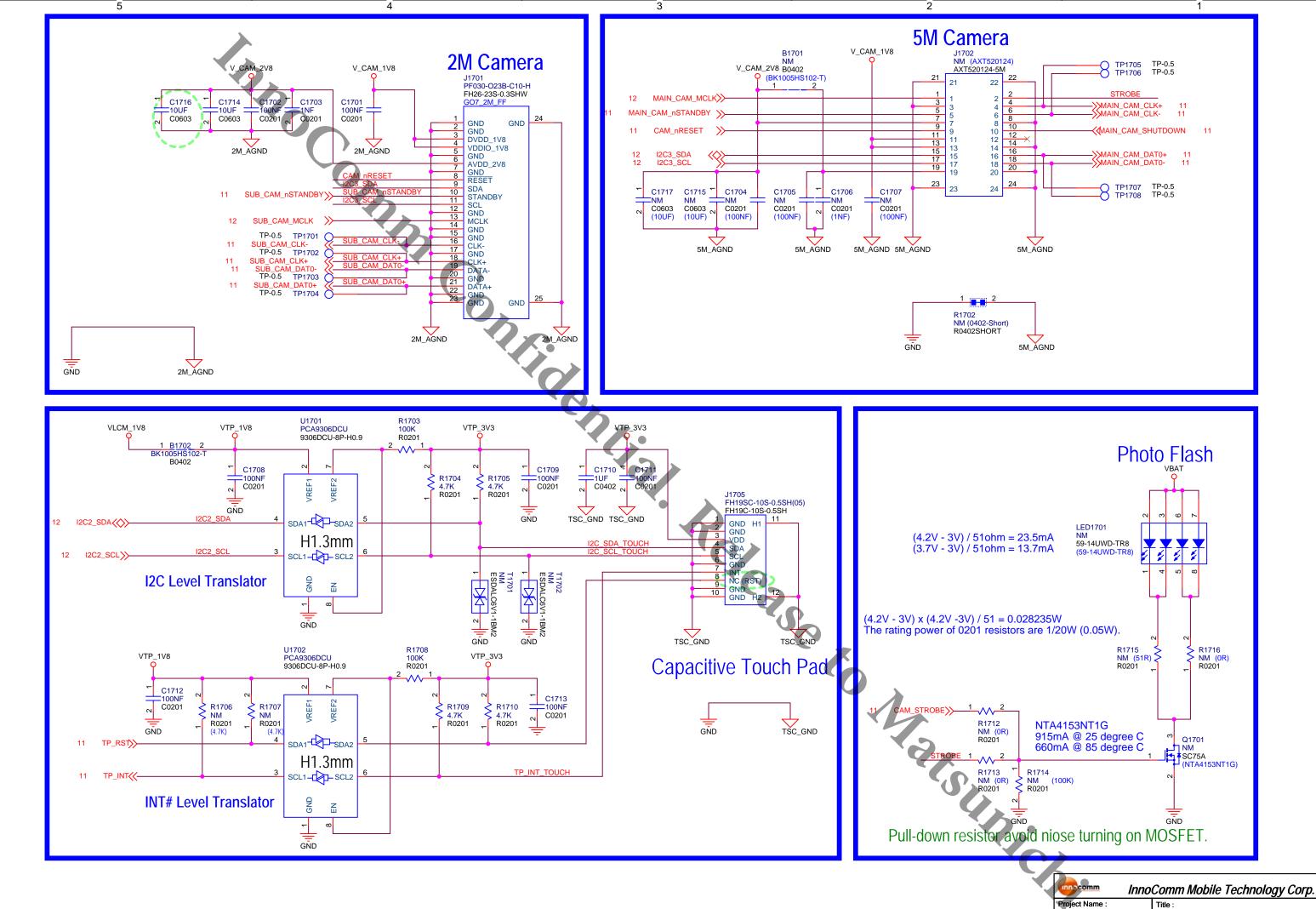
Project Name:

Delphi 6107
Size: Document Number: Rev:

A4 Sensors

Date: Thursday, May 24, 2012 Sheet:

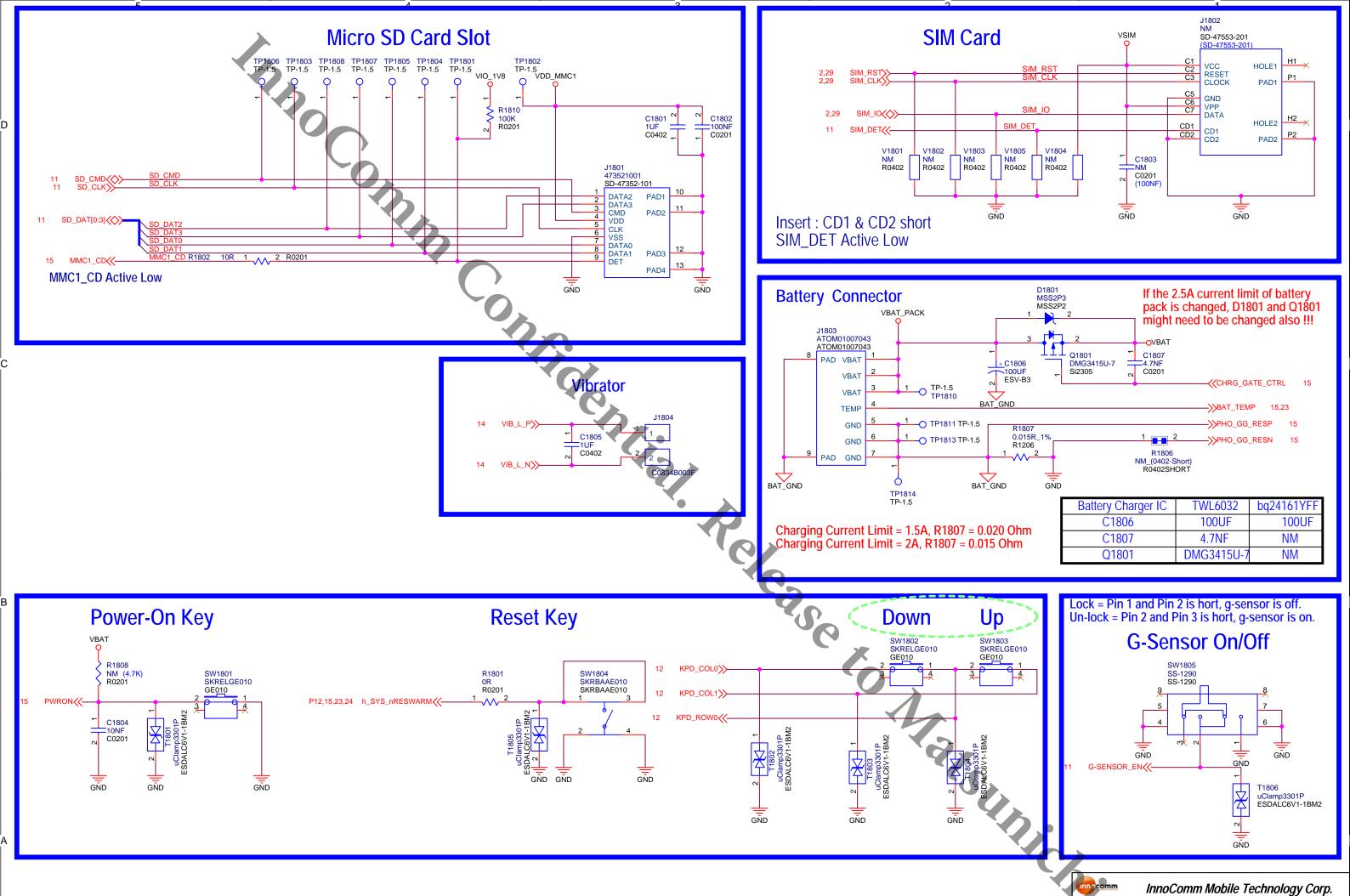
R007 Sheet: 16 of 30



OMAP 4 Tablet PC (WiFi Version) **Delphi 6107** Document Number : Camera / Touch Pad

Date: Thursday, May 31, 2012

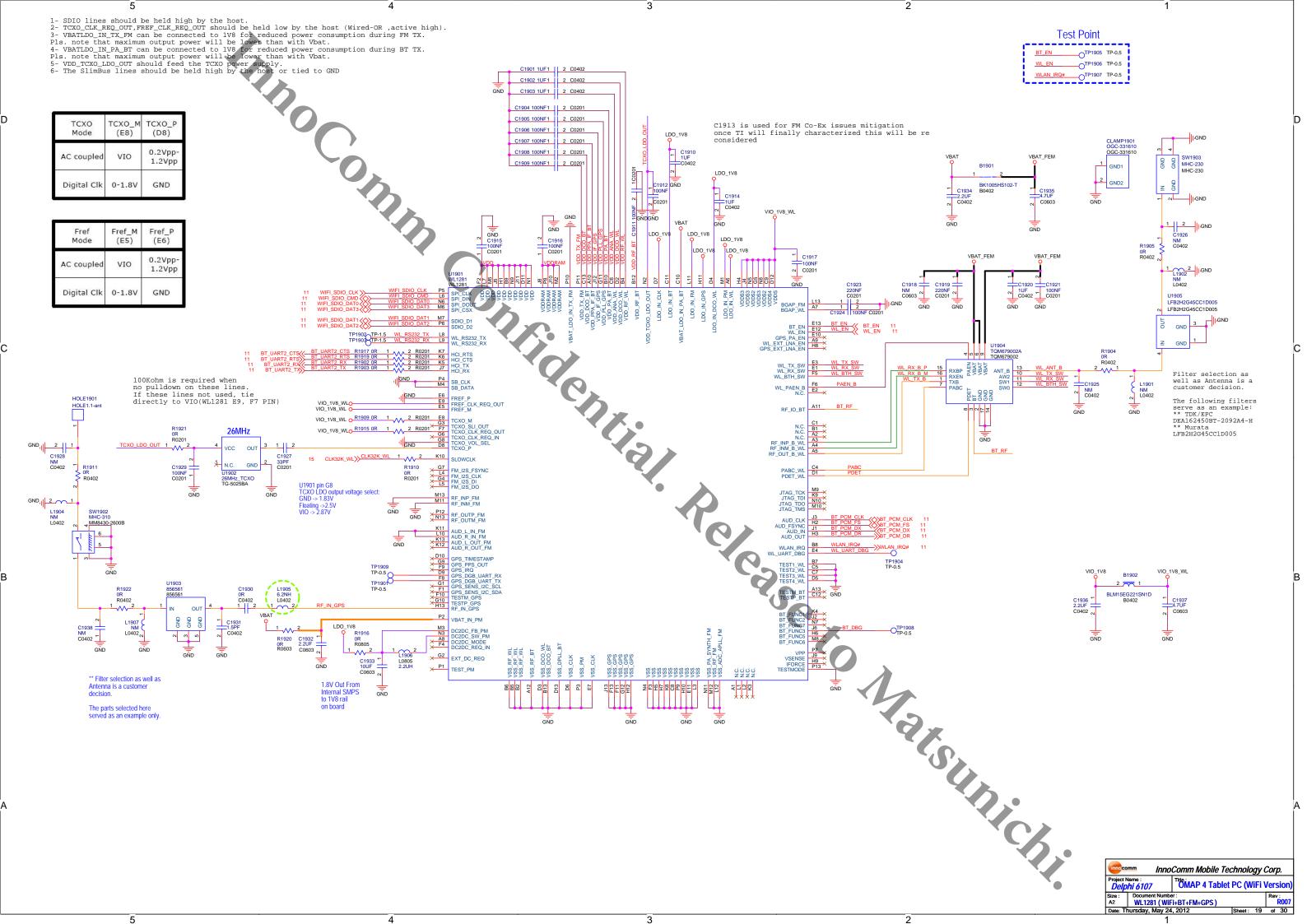
Sheet: 17 of 30

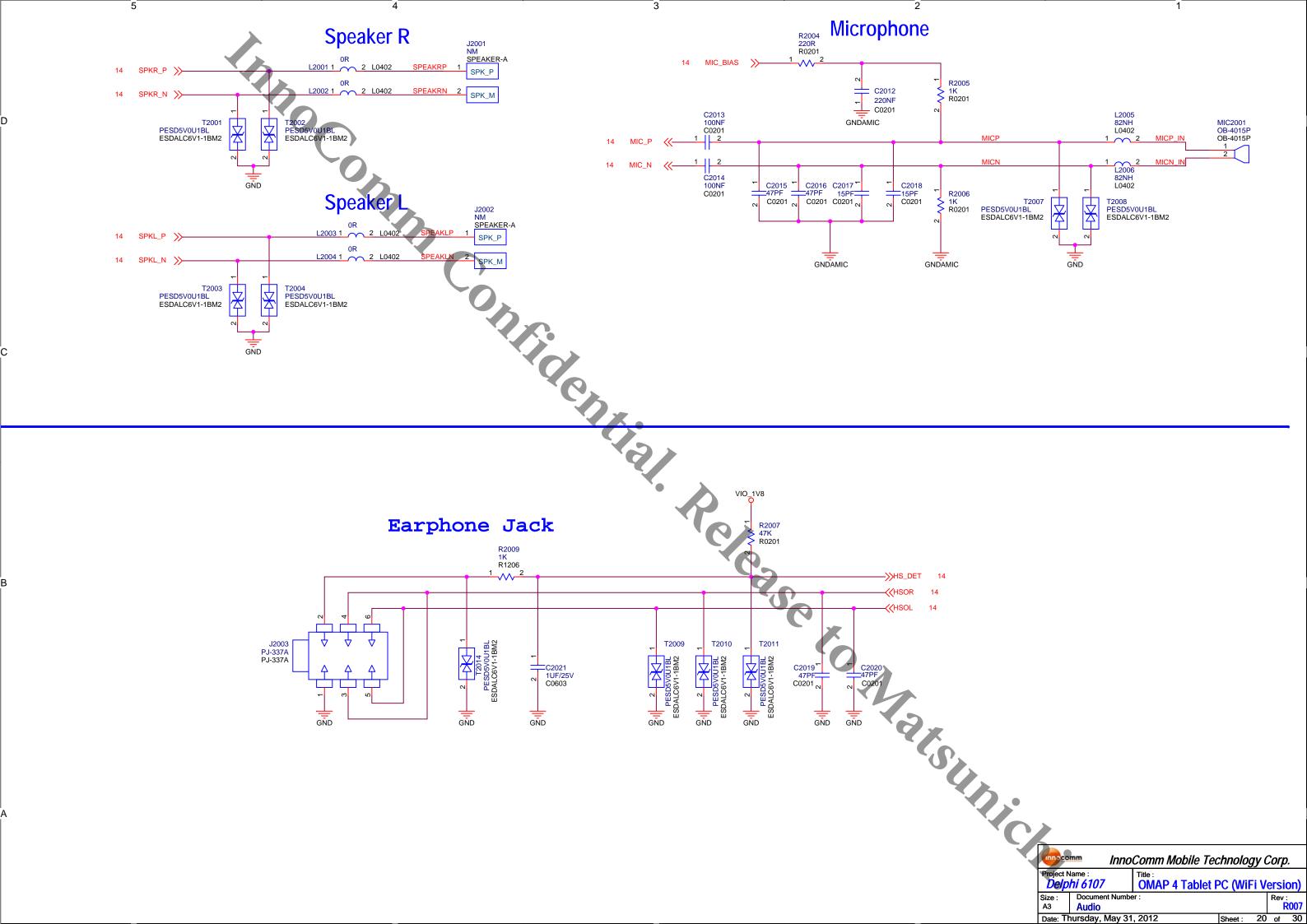


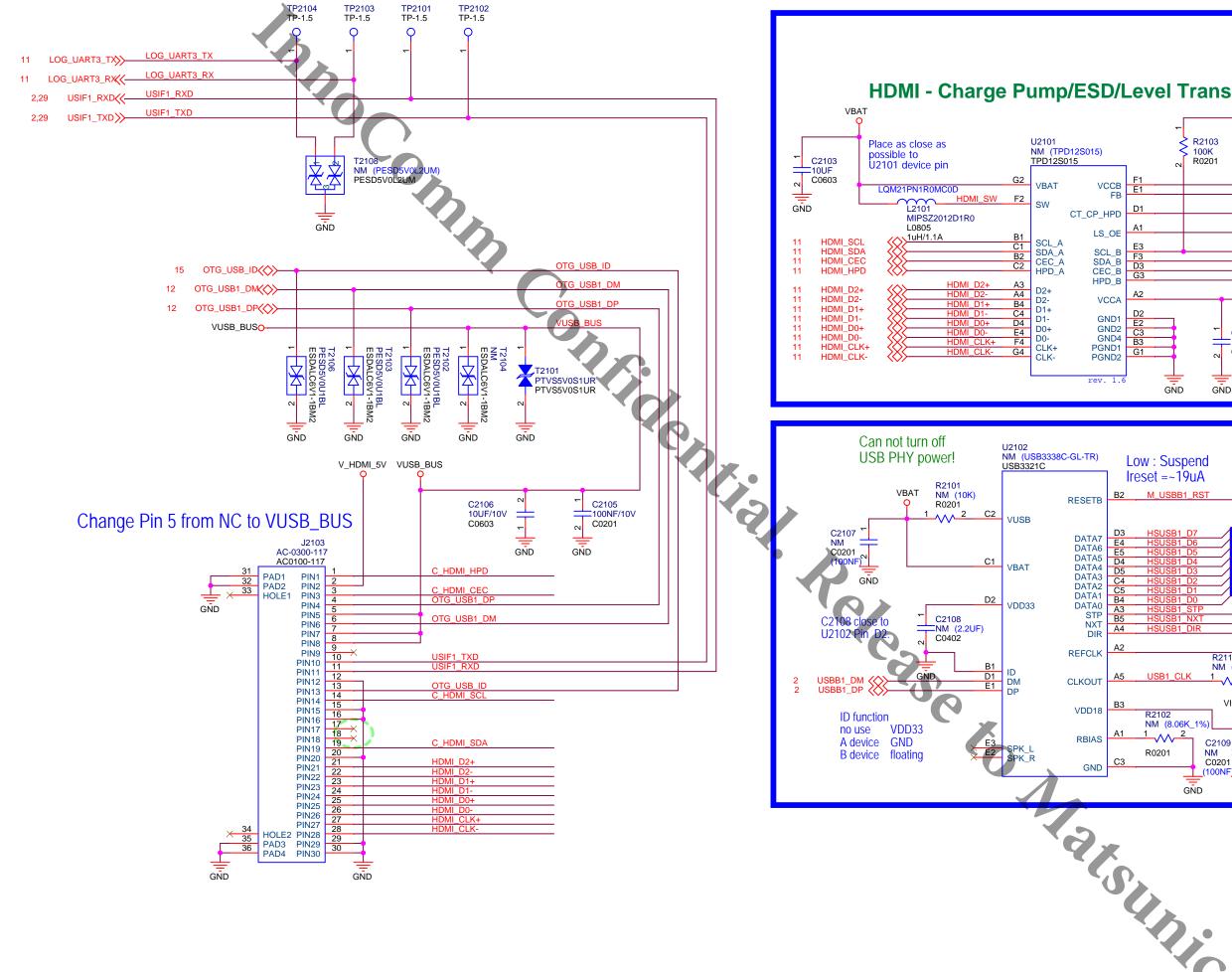
Project Name : Title : OMAP 4 Tablet PC (WiFi Version)

Size : Document Number : Rev : R007

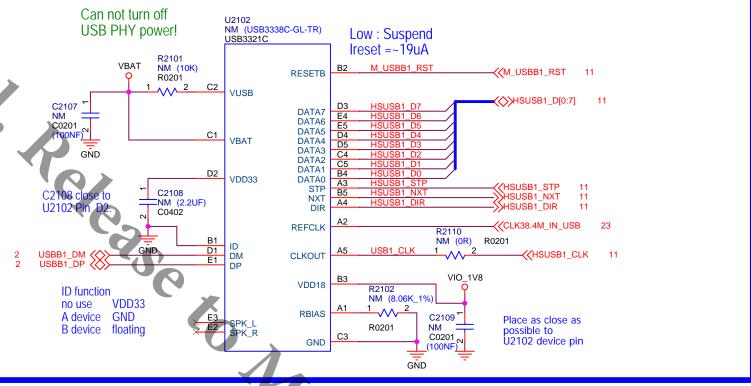
Date: Thursday, May 24, 2012 | Sheet : 18 of 30







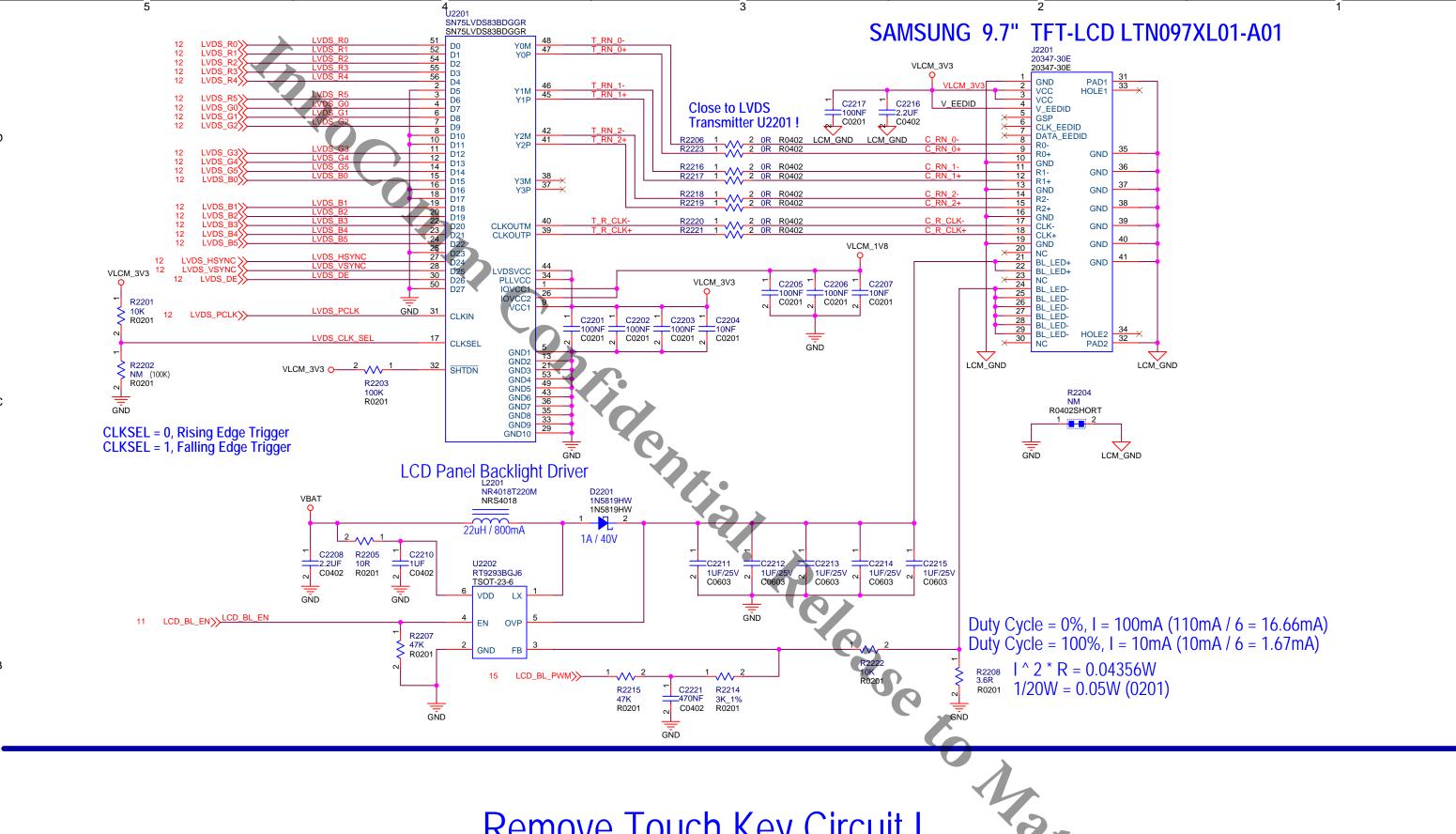
HDMI - Charge Pump/ESD/Level Translator C2101 =10UF/10V C2102 =100NF/10V R2100 C0603 C0201 R0201 GND GND →>> HDMI_CT_CP_HPD HDMI_LS_OE C_HDMI_SCL Active low to _OVIO_1V8 C2104 =100NF Place as close as possible to U2101 device pin GND



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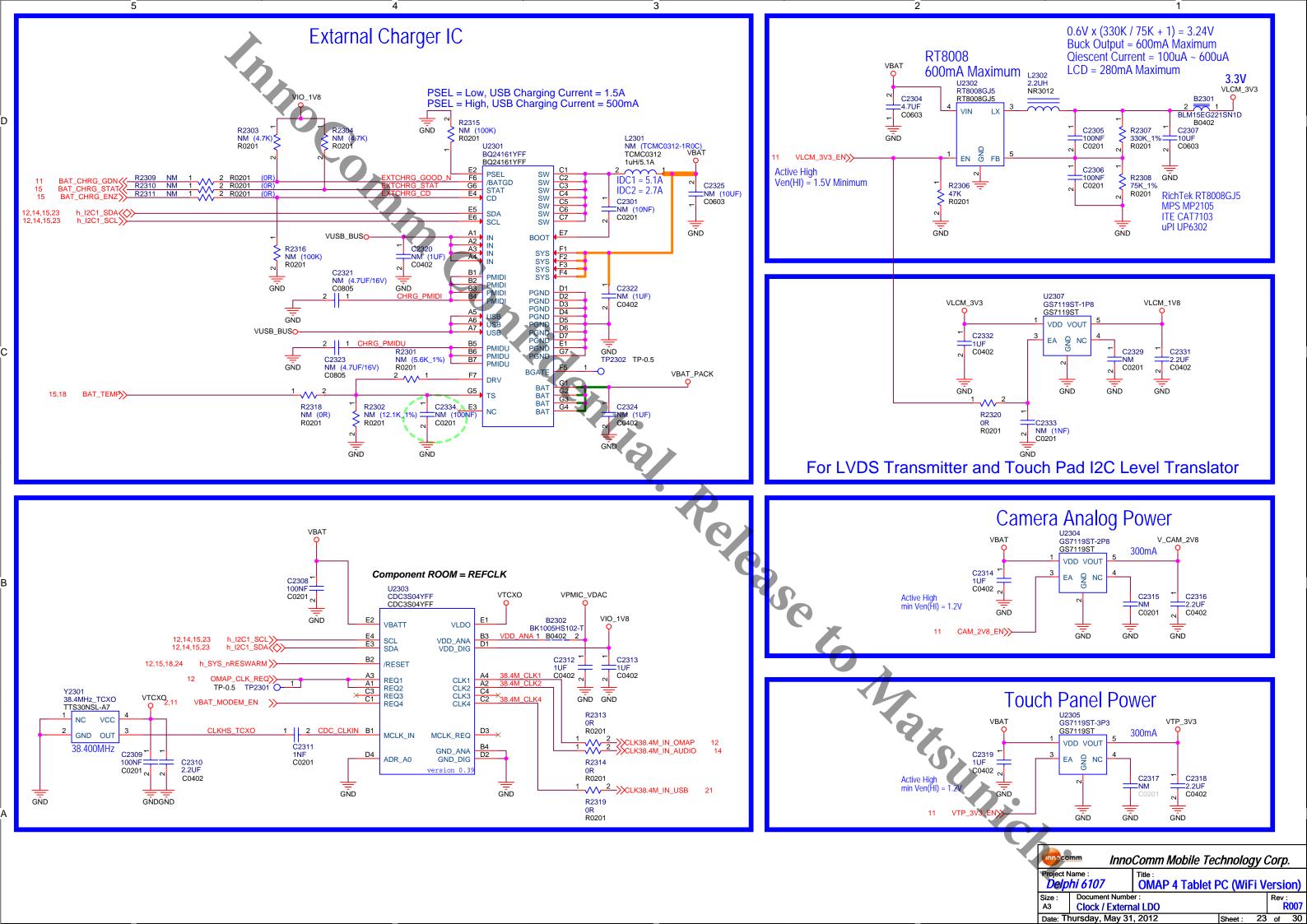
Project Name : Delphi 6107 OMAP 4 Tablet PC (WiFi Version) Document Number HDMI / USB

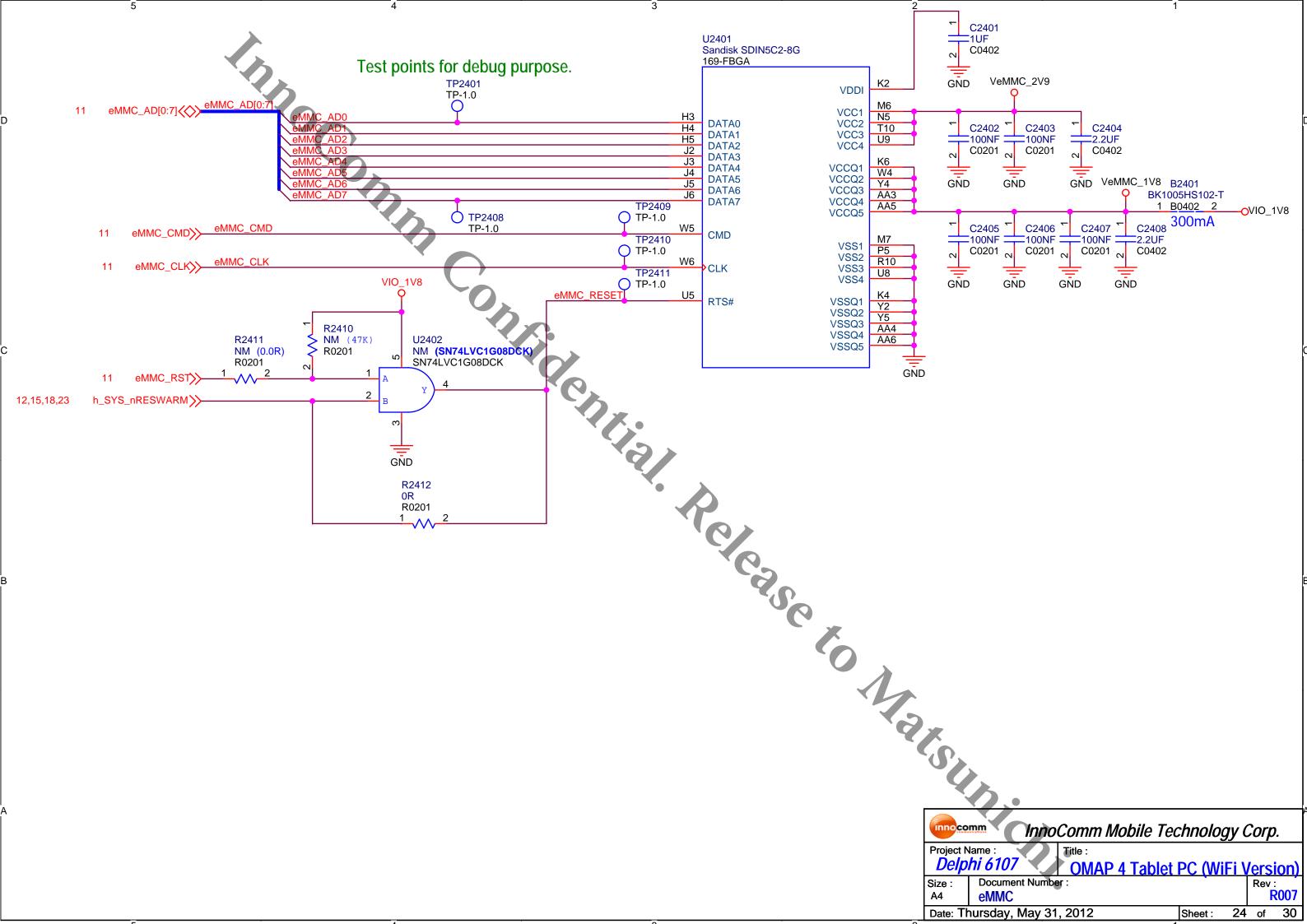
Date: Friday, June 01, 2012 21 of 30 Sheet :



Remove Touch Key Circuit!

InnoComm Mobile Technology Corp. Project Name : Delphi 6107 OMAP 4 Tablet PC (WiFi Version) Document Number : LCD Panel and Backlight Date: Thursday, May 31, 2012 22 of 30 Sheet :

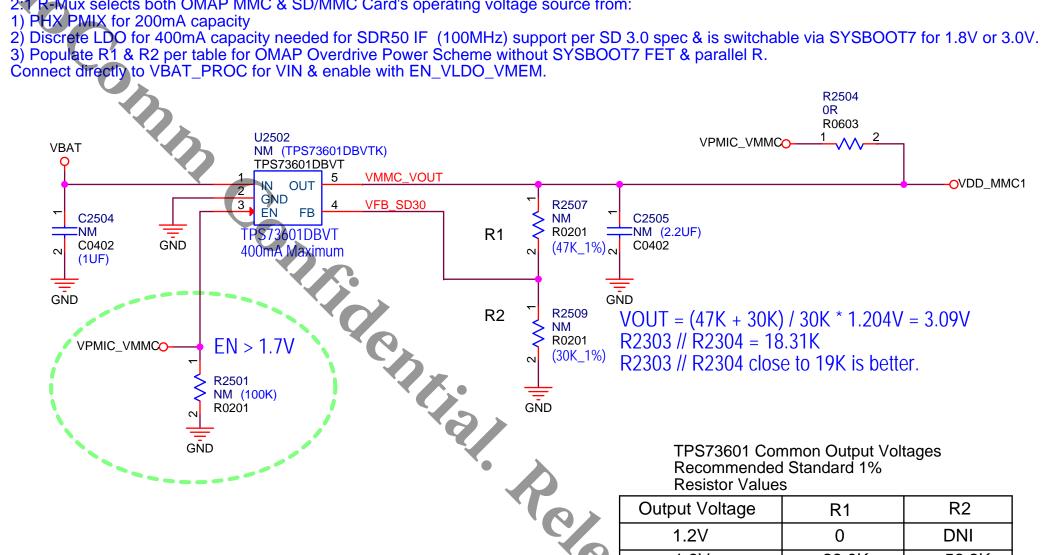




Alternate MMC Card Power Source

Component ROOM = ALT_MMC_PWR

- 2:1 R-Mux selects both OMAP MMC & SD/MMC Card's operating voltage source from:



Output Voltage	R1	R2
1.2V	0	DNI
1.8V	28.0K	56.2K
3.0V	46.4K	30.9K
3.3V	52.3K	30.1K

lout = 400mA for VDO = 0.2VVout = 1.204 * ((R1 + R2)/R2)R1|| R2 = 19K for best accuracy

> innocomm InnoComm Mobile Technology Corp. Project Name: **OMAP 4 Tablet PC (WiFi Version)** Document Number : Size: Rev: VDD_CORE1 and VDD_MMC1 Power R007 Date: Thursday, May 24, 2012 25 of 30 Sheet:

