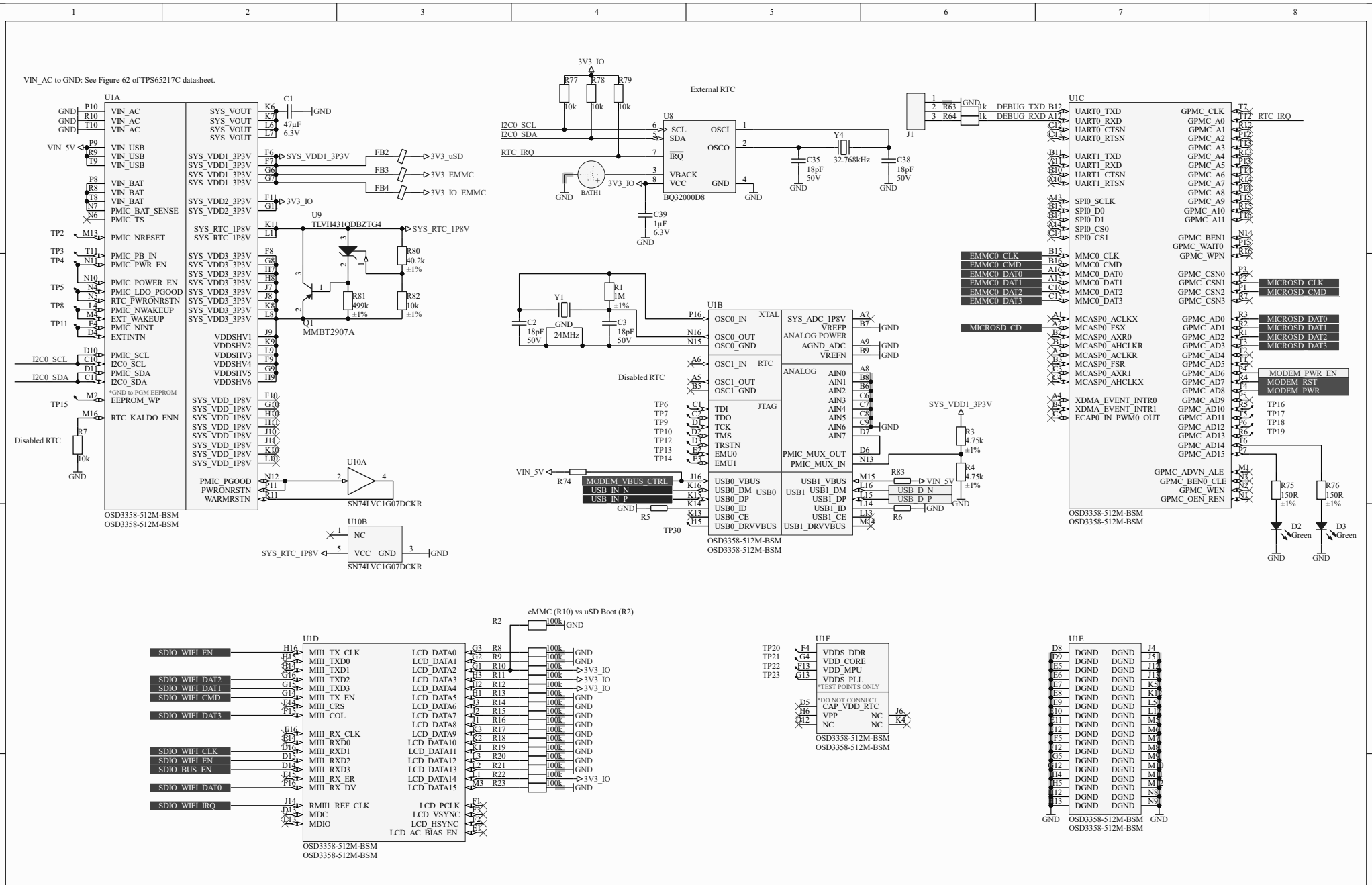
VIN_AC to GND: See Figure 62 of TPS65217C datasheet.
U1A
VIN_AC
VIN_USB
VIN_BAT
PMIC_BAT_SENSE
PMIC_TS
PMIC_NRESET
PMIC_PB_IN
PMIC_PWR_EN
PMIC_POWER_EN
PMIC_LDO_PGOOD
RTC_PWRONRSTN
PMIC_NWAKEUP
EXT_WAKEUP
PMIC_NINT
EXTINTN
PMIC_SCL
I2C0_SCL
PMIC_SDA
I2C0_SDA
*GND to PGM EEPROM
EEPROM_WP
RTC_KALDO_ENN
SYS_VOUT
SYS_VDD1_3P3V
SYS_VDD2_3P3V
SYS_RTC_1P8V
SYS_VDD3_3P3V
VDDSHV1
VDDSHV2
VDDSHV3
VDDSHV4
VDDSHV5
VDDSHV6
SYS_VDD_1P8V
PMIC_PGOOD
PWRONRSTN
WARMRSTN
OSD3358-512M-BSM
OSD3358-512M-BSM
C1
47µF
6.3V
FB2
FB3
FB4
3V3_uSD
3V3_EMMC
3V3_IO_EMMC
U9
TLVH431QDBZTG4
R80
40.2k
±1%
R81
499k
±1%
R82
10k
±1%
Q1
MMBT2907A
Disabled RTC
U10A
SN74LVC1G07DCKR
U10B
NC
VCC
GND
SN74LVC1G07DCKR
3V3_IO
R77
R78
R79
10k
External RTC
U8
SCL
SDA
IRQ
VBACK
VCC
OSCI
OSCO
BQ32000D8
BATH1
C39
1µF
6.3V
C35
18pF
50V
Y4
32.768kHz
C38
18pF
50V
J1
R63
R64
1k
DEBUG_TXD
DEBUG_RXD
U1C
UART0_TXD
UART0_RXD
UART0_CTSN
UART0_RTSN
UART1_TXD
UART1_RXD
UART1_CTSN
UART1_RTSN
SPI0_SCLK
SPI0_D0
SPI0_D1
SPI0_CS0
SPI0_CS1
MMC0_CLK
MMC0_CMD
MMC0_DAT0
MMC0_DAT1
MMC0_DAT2
MMC0_DAT3
MCASP0_ACLKX
MCASP0_FSX
MCASP0_AXR0
MCASP0_AHCLKR
MCASP0_ACLKR
MCASP0_FSR
MCASP0_AXR1
MCASP0_AHCLKX
XDMA_EVENT_INTR0
XDMA_EVENT_INTR1
ECAP0_IN_PWM0_OUT
GPMC_CLK
GPMC_A0
GPMC_A1
GPMC_A2
GPMC_A3
GPMC_A4
GPMC_A5
GPMC_A6
GPMC_A7
GPMC_A8
GPMC_A9
GPMC_A10
GPMC_A11
GPMC_BEN1
GPMC_WAIT0
GPMC_WPN
GPMC_CSN0
GPMC_CSN1
GPMC_CSN2
GPMC_CSN3
GPMC_AD0
GPMC_AD1
GPMC_AD2
GPMC_AD3
GPMC_AD4
GPMC_AD5
GPMC_AD6
GPMC_AD7
GPMC_AD8
GPMC_AD9
GPMC_AD10
GPMC_AD11
GPMC_AD12
GPMC_AD13
GPMC_AD14
GPMC_AD15
GPMC_ADVN_ALE
GPMC_BEN0_CLE
GPMC_WEN
GPMC_OEN_REN
RTC_IRQ
EMMC0_CLK
EMMC0_CMD
EMMC0_DAT0
EMMC0_DAT1
EMMC0_DAT2
EMMC0_DAT3
MICROSD_CD
MICROSD_CLK
MICROSD_CMD
MICROSD_DAT0
MICROSD_DAT1
MICROSD_DAT2
MICROSD_DAT3
MODEM_PWR_EN
MODEM_RST
MODEM_PWR
TP16
TP17
TP18
TP19
R75
150R
±1%
R76
150R
±1%
D2
Green
D3
Green
OSD3358-512M-BSM
OSD3358-512M-BSM
U1B
OSC0_IN
OSC0_OUT
OSC0_GND
XTAL
OSC1_IN
OSC1_OUT
OSC1_GND
RTC
TDI
TDO
TCK
TMS
TRSTN
EMU0
EMU1
JTAG
USB0_VBUS
USB0_DM
USB0_DP
USB0_ID
USB0_CE
USB0_DRVVBUS
USB0
SYS_ADC_1P8V
VREFP
ANALOG POWER
AGND_ADC
VREFN
ANALOG
AIN0
AIN1
AIN2
AIN3
AIN4
AIN5
AIN6
AIN7
PMIC_MUX_OUT
PMIC_MUX_IN
USB1_VBUS
USB1_DM
USB1_DP
USB1_ID
USB1_CE
USB1_DRVVBUS
USB1
Y1
24MHz
R1
1M
±1%
C2
18pF
50V
C3
18pF
50V
MODEM_VBUS_CTRL
USB_IN_N
USB_IN_P
R74
R5
TP30
R3
4.75k
±1%
R4
4.75k
±1%
R83
R6
USB_D_N
USB_D_P
OSD3358-512M-BSM
OSD3358-512M-BSM
U1D
MII1_TX_CLK
MII1_TXD0
MII1_TXD1
MII1_TXD2
MII1_TXD3
MII1_TX_EN
MII1_CRS
MII1_COL
MII1_RX_CLK
MII1_RXD0
MII1_RXD1
MII1_RXD2
MII1_RXD3
MII1_RX_ER
MII1_RX_DV
RMII1_REF_CLK
MDC
MDIO
LCD_DATA0
LCD_DATA1
LCD_DATA2
LCD_DATA3
LCD_DATA4
LCD_DATA5
LCD_DATA6
LCD_DATA7
LCD_DATA8
LCD_DATA9
LCD_DATA10
LCD_DATA11
LCD_DATA12
LCD_DATA13
LCD_DATA14
LCD_DATA15
LCD_PCLK
LCD_VSYNC
LCD_HSYNC
LCD_AC_BIAS_EN
SDIO_WIFI_EN
SDIO_WIFI_DAT2
SDIO_WIFI_DAT1
SDIO_WIFI_CMD
SDIO_WIFI_DAT3
SDIO_WIFI_CLK
SDIO_WIFI_EN
SDIO_BUS_EN
SDIO_WIFI_DAT0
SDIO_WIFI_IRQ
eMMC (R10) vs uSD Boot (R2)
R2
100k
OSD3358-512M-BSM
OSD3358-512M-BSM
U1F
VDDS_DDR
VDD_CORE
VDD_MPU
VDDS_PLL
*TEST POINTS ONLY
*DO NOT CONNECT
CAP_VDD_RTC
VPP
NC
J6
K4
OSD3358-512M-BSM
OSD3358-512M-BSM
U1E
DGND
OSD3358-512M-BSM
OSD3358-512M-BSM