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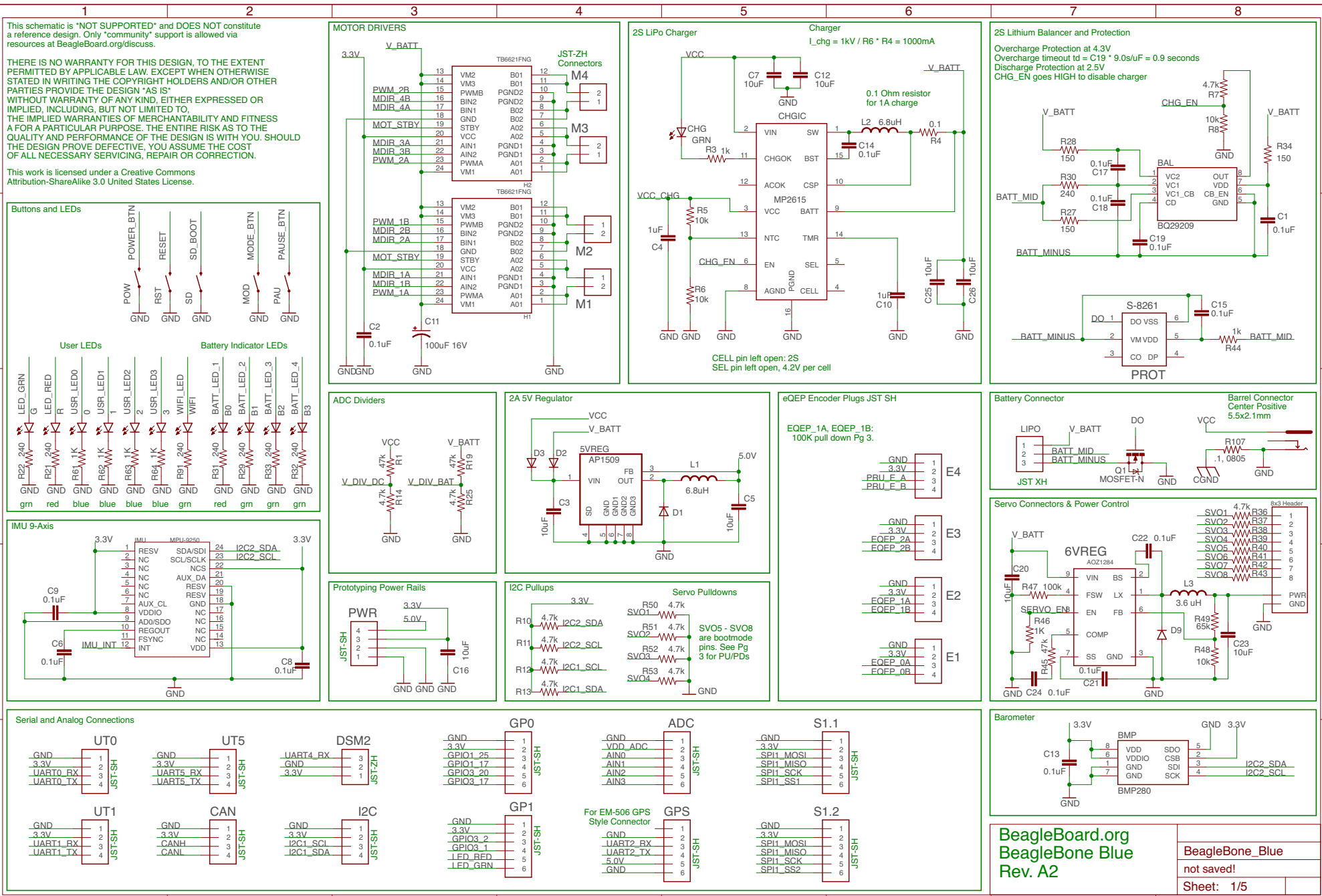

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Rev. A2

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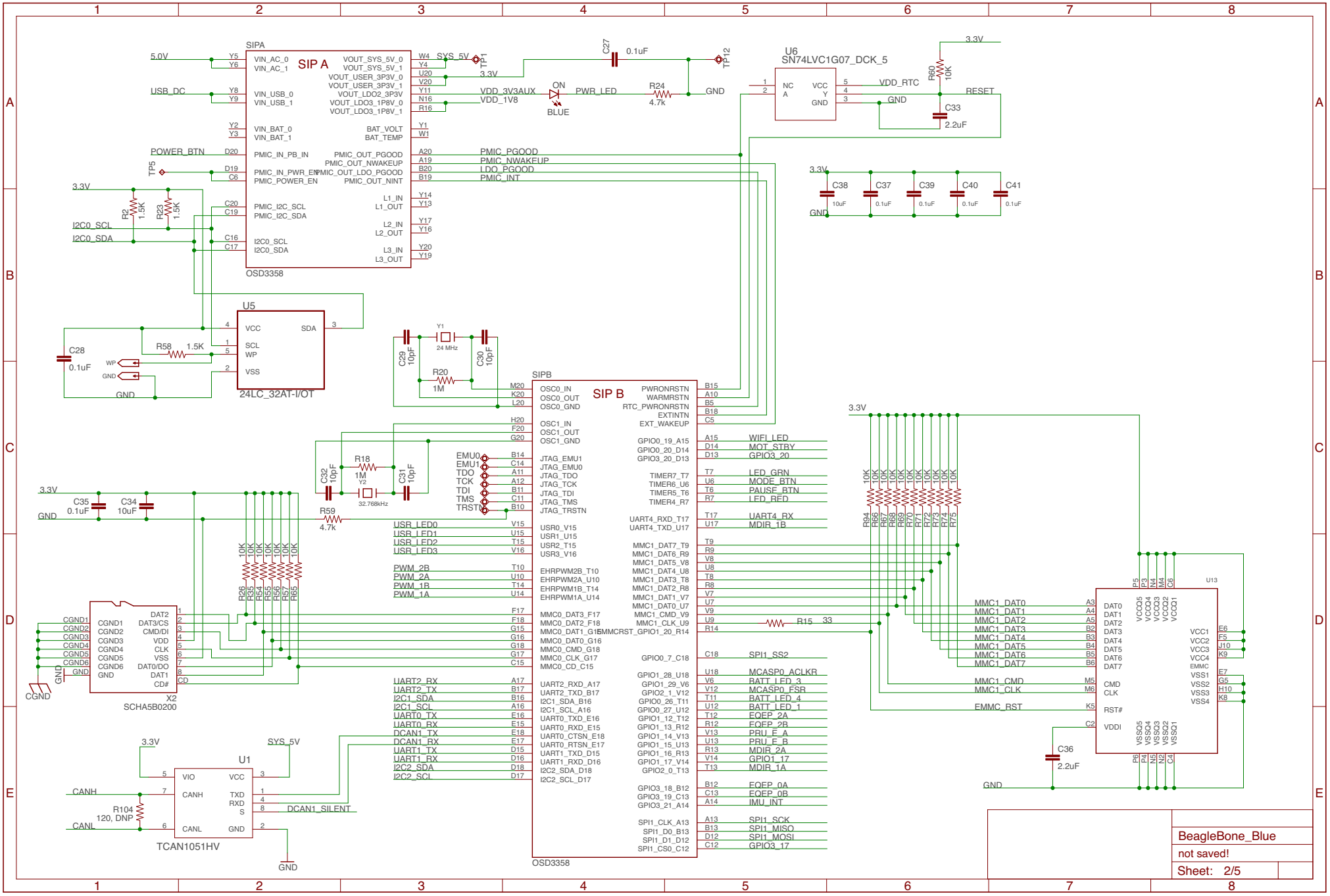
SIPA
SIP A
OSD3358
5.0V
USB_DC
POWER_BTN
TP5
3.3V
I2C0_SCL
I2C0_SDA
R2 1.5K
R23 1.5K
VIN_AC_0
VIN_AC_1
VIN_USB_0
VIN_USB_1
VIN_BAT_0
VIN_BAT_1
PMIC_IN_PB_IN
PMIC_IN_PWR_EN
PMIC_POWER_EN
PMIC_I2C_SCL
PMIC_I2C_SDA
I2C0_SCL
I2C0_SDA
VOUT_SYS_5V_0
VOUT_SYS_5V_1
VOUT_USER_3P3V_0
VOUT_USER_3P3V_1
VOUT_LDO2_3P3V
VOUT_LDO3_1P8V_0
VOUT_LDO3_1P8V_1
BAT_VOLT
BAT_TEMP
PMIC_OUT_PGOOD
PMIC_OUT_NWAKEUP
PMIC_OUT_LDO_PGOOD
PMIC_OUT_NINT
L1_IN
L1_OUT
L2_IN
L2_OUT
L3_IN
L3_OUT
SYS_5V
TP1
VDD_3V3AUX
VDD_1V8
C27 0.1uF
TP12
ON
BLUE
PWR_LED
R24 4.7k
GND
PMIC_PGOOD
PMIC_NWAKEUP
LDO_PGOOD
PMIC_INT
U6
SN74LVC1G07_DCK_5
NC
A
VCC
Y
GND
VDD_RTC
RESET
R60 10K
C33 2.2uF
C38 10uF
C37 0.1uF
C39 0.1uF
C40 0.1uF
C41 0.1uF
U5
VCC
SCL
WP
VSS
SDA
24LC_32AT-I/OT
C28 0.1uF
R58 1.5K
WP
GND
Y1 24 MHz
C29 10pF
C30 10pF
R20 1M
SIPB
SIP B
OSC0_IN
OSC0_OUT
OSC0_GND
OSC1_IN
OSC1_OUT
OSC1_GND
JTAG_EMU1
JTAG_EMU0
JTAG_TDO
JTAG_TCK
JTAG_TDI
JTAG_TMS
JTAG_TRSTN
USR0_V15
USR1_U15
USR2_T15
USR3_V16
EHRPWM2B_T10
EHRPWM2A_U10
EHRPWM1B_T14
EHRPWM1A_U14
MMC0_DAT3_F17
MMC0_DAT2_F18
MMC0_DAT1_G15
MMC0_DAT0_G16
MMC0_CMD_G18
MMC0_CLK_G17
MMC0_CD_C15
UART2_RXD_A17
UART2_TXD_B17
I2C1_SDA_B16
I2C1_SCL_A16
UART0_TXD_E16
UART0_RXD_E15
UART0_CTSN_E18
UART0_RTSN_E17
UART1_TXD_D15
UART1_RXD_D16
I2C2_SDA_D18
I2C2_SCL_D17
PWRONRSTN
WARMRSTN
RTC_PWRONRSTN
EXTINTN
EXT_WAKEUP
GPIO0_19_A15
GPIO0_20_D14
GPIO3_20_D13
TIMER7_T7
TIMER6_U6
TIMER5_T6
TIMER4_R7
UART4_RXD_T17
UART4_TXD_U17
MMC1_DAT7_T9
MMC1_DAT6_R9
MMC1_DAT5_V8
MMC1_DAT4_U8
MMC1_DAT3_T8
MMC1_DAT2_R8
MMC1_DAT1_V7
MMC1_DAT0_U7
MMC1_CMD_V9
MMC1_CLK_U9
MMCRST_GPIO1_20_R14
GPIO0_7_C18
GPIO1_28_U18
GPIO1_29_V6
GPIO2_1_V12
GPIO0_26_T11
GPIO0_27_U12
GPIO1_12_T12
GPIO1_13_R12
GPIO1_14_V13
GPIO1_15_U13
GPIO1_16_R13
GPIO1_17_V14
GPIO2_0_T13
GPIO3_18_B12
GPIO3_19_C13
GPIO3_21_A14
SPI1_CLK_A13
SPI1_D0_B13
SPI1_D1_D12
SPI1_CS0_C12
WIFI_LED
MOT_STBY
GPIO3_20
LED_GRN
MODE_BTN
PAUSE_BTN
LED_RED
UART4_RX
MDIR_1B
SPI1_SS2
MCASP0_ACLKR
BATT_LED_3
MCASP0_FSR
BATT_LED_4
BATT_LED_1
EQEP_2A
EQEP_2B
PRU_E_A
PRU_E_B
MDIR_2A
GPIO1_17
MDIR_1A
EQEP_0A
EQEP_0B
IMU_INT
SPI1_SCK
SPI1_MISO
SPI1_MOSI
GPIO3_17
EMU0
EMU1
TDO
TCK
TDI
TMS
TRSTN
C32 10pF
R18 1M
Y2 32.768kHz
C31 10pF
R59 4.7k
USR_LED0
USR_LED1
USR_LED2
USR_LED3
PWM_2B
PWM_2A
PWM_1B
PWM_1A
UART2_RX
UART2_TX
I2C1_SDA
I2C1_SCL
UART0_TX
UART0_RX
DCAN1_TX
DCAN1_RX
UART1_TX
UART1_RX
I2C2_SDA
I2C2_SCL
C35 0.1uF
C34 10uF
R26 10K
R35 10K
R54 10K
R55 10K
R56 10K
R57 10K
R65 10K
CGND1
CGND2
CGND3
CGND4
CGND5
CGND6
GND
CGND
X2
SCHA5B0200
DAT2
DAT3/CS
CMD/DI
VDD
CLK
VSS
DAT0/DO
DAT1
CD#
CD
U1
TCAN1051HV
VIO
VCC
CANH
TXD
RXD
S
CANL
GND
SYS_5V
DCAN1_SILENT
R104 120, DNP
R84 10K
R66 10K
R67 10K
R68 10K
R69 10K
R70 10K
R71 10K
R72 10K
R73 10K
R74 10K
R75 10K
R15 33
MMC1_DAT0
MMC1_DAT1
MMC1_DAT2
MMC1_DAT3
MMC1_DAT4
MMC1_DAT5
MMC1_DAT6
MMC1_DAT7
MMC1_CMD
MMC1_CLK
EMMC_RST
U13
DAT0
DAT1
DAT2
DAT3
DAT4
DAT5
DAT6
DAT7
CMD
CLK
RST#
VDDI
VCCQ5
VCCQ4
VCCQ3
VCCQ2
VCCQ1
VCC1
VCC2
VCC3
VCC4
EMMC
VSS1
VSS2
VSS3
VSS4
VSSQ5
VSSQ4
VSSQ3
VSSQ2
VSSQ1
C36 2.2uF
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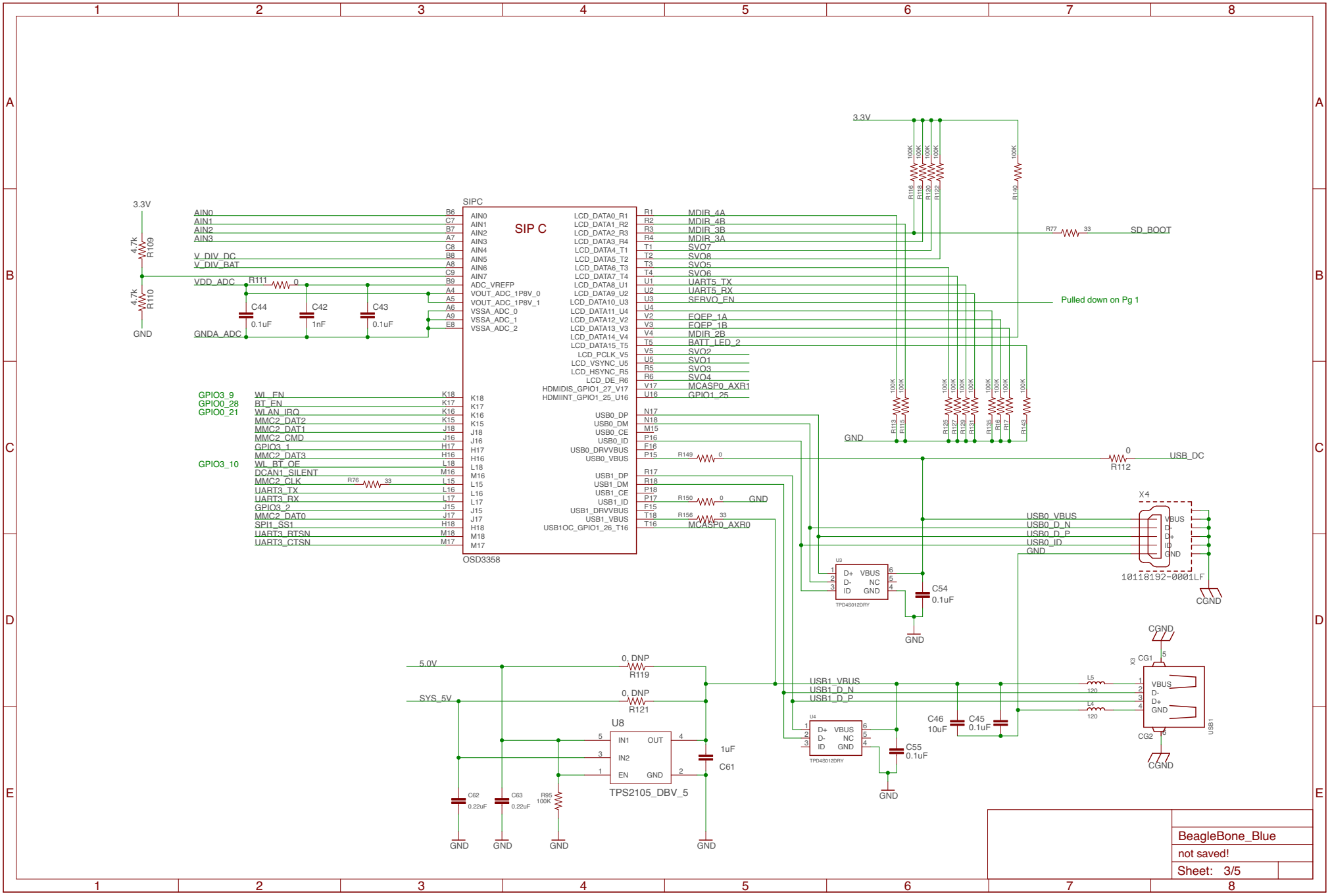
SIP C
OSD3358
SIPC
3.3V
GND
5.0V
SYS_5V
SD_BOOT
Pulled down on Pg 1
USB_DC
X4
10118192-0001LF
CGND
X3
USB1
U8
TPS2105_DBV_5
U3
U4
TPD4S012DRY
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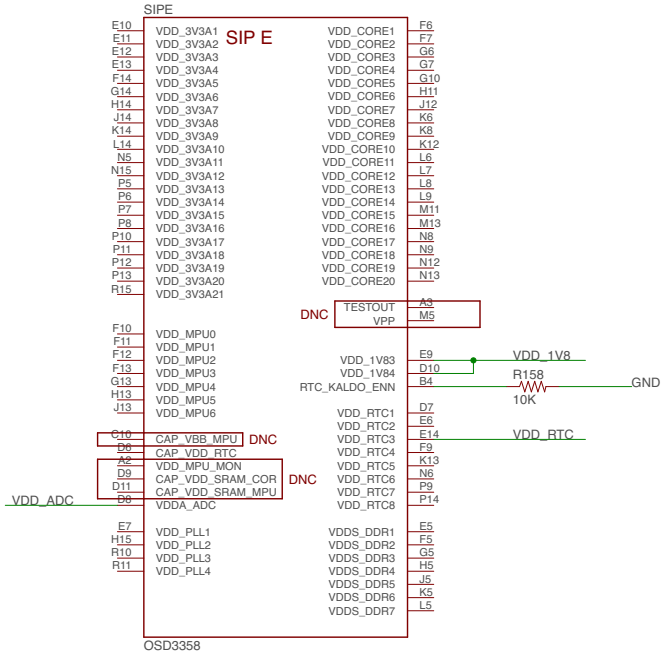
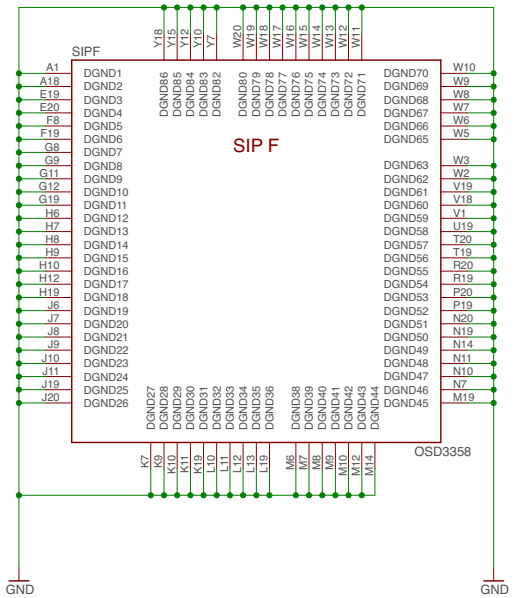
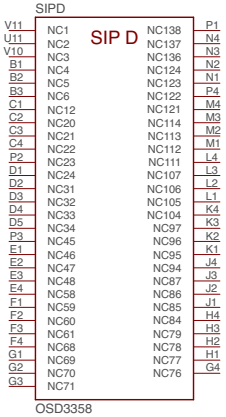
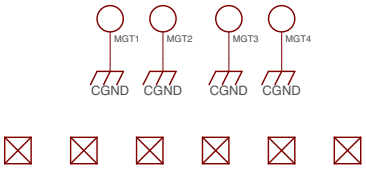
Sheet: 3/5









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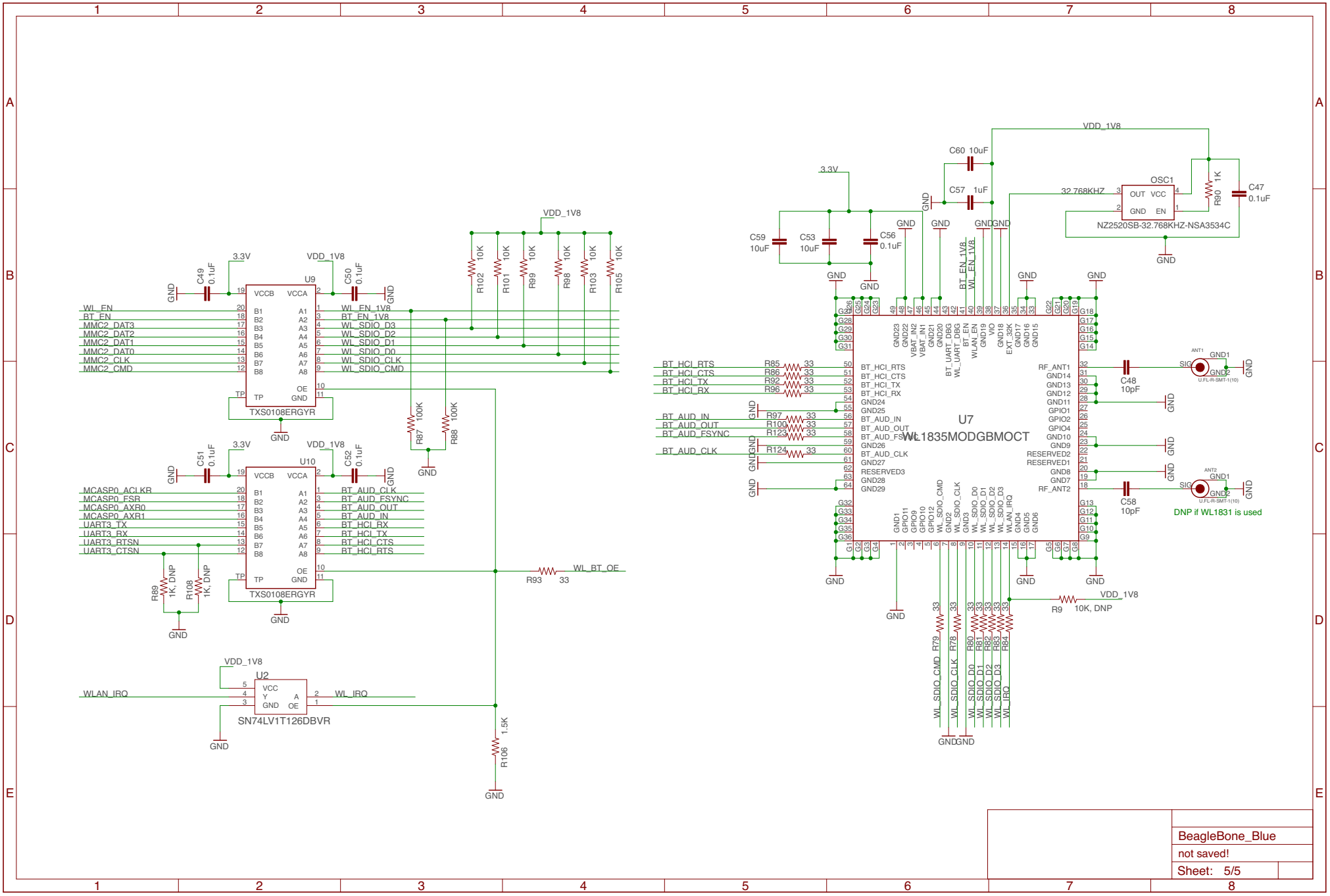
U9
TXS0108ERGYR
U10
TXS0108ERGYR
U2
SN74LV1T126DBVR
U7
WL1835MODGBMOCT
OSC1
NZ2520SB-32.768KHZ-NSA3534C
DNP if WL1831 is used
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