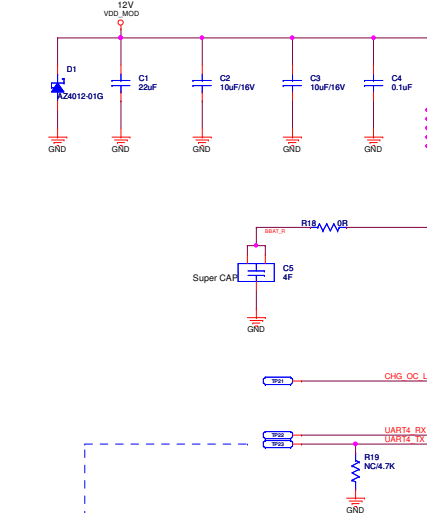
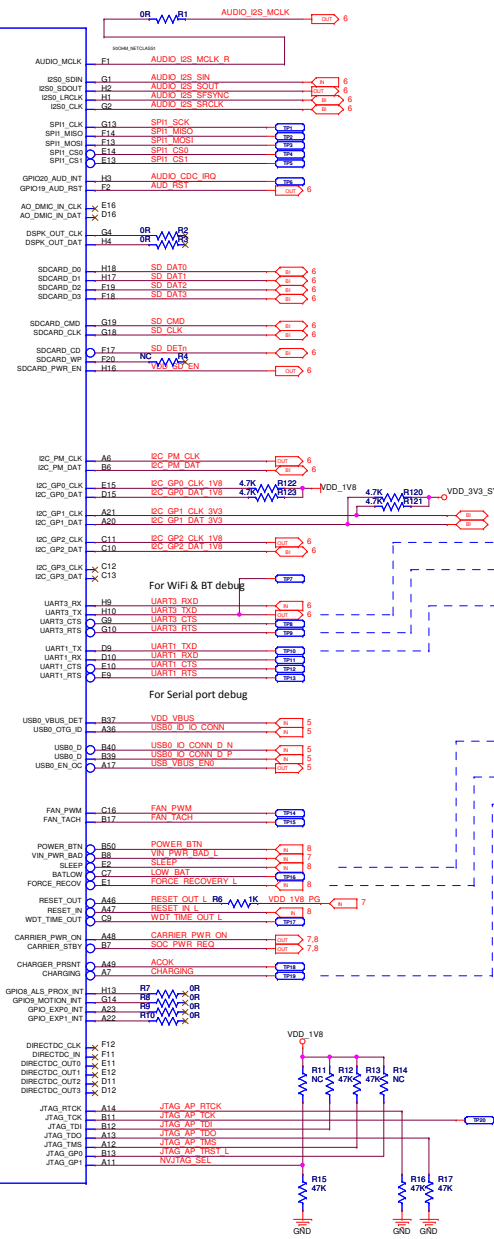
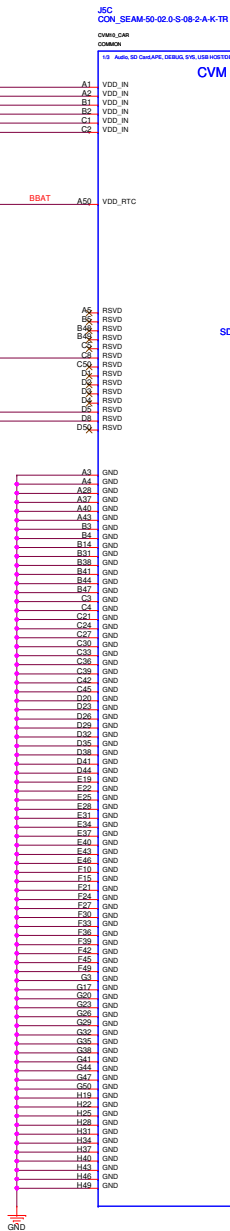


REV	DESCRIPTION	DATE	APPROVED
A0	First version	2019-1-16	Charles



Pin D8(UART4\_TX) is associated with BOOT\_SELECT2 strapping option in Jetson TX2. It must be handled carefully to avoid changing the strapping levels during power-on which could cause the platform to malfunction. See the Jetson TX2 OEM DGs for details.



Pin H10(UART3\_TX) is associated with BOOT\_SELECT1 strapping option in Jetson TX2.

Pin G10(UART3\_RTS) is associated with BOOT\_SELECT0 strapping option in Jetson TX2.

Pin D9(UART1\_TX) is associated with BOOT\_SELECT2 strapping option in Jetson TX1, RAM\_CODE1 strapping option in Jetson TX2.

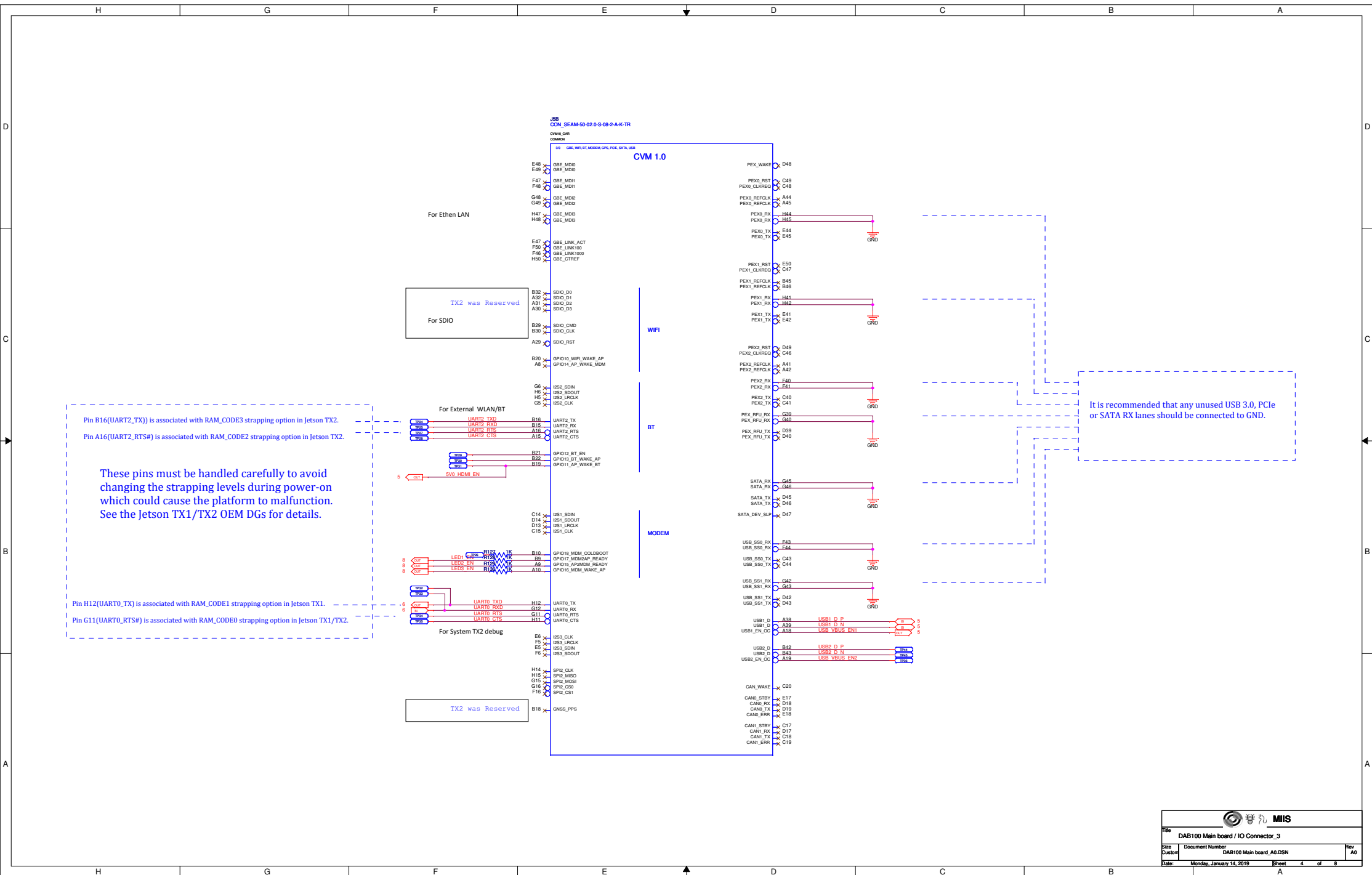
These pins must be handled carefully to avoid changing the strapping levels during power-on which could cause the platform to malfunction. See the Jetson TX1/TX2 OEM DGs for details.

Pin E2(SLEEP#) is associated with Recovery Mode 1 strapping option in Jetson TX2.

Pin E1(FORCE\_RECOV#) is associated with Force Recovery strapping option in Jetson TX1/TX2.

Pin A7(CHARGING#) is associated with Recovery Mode 2 strapping option in Jetson TX1.

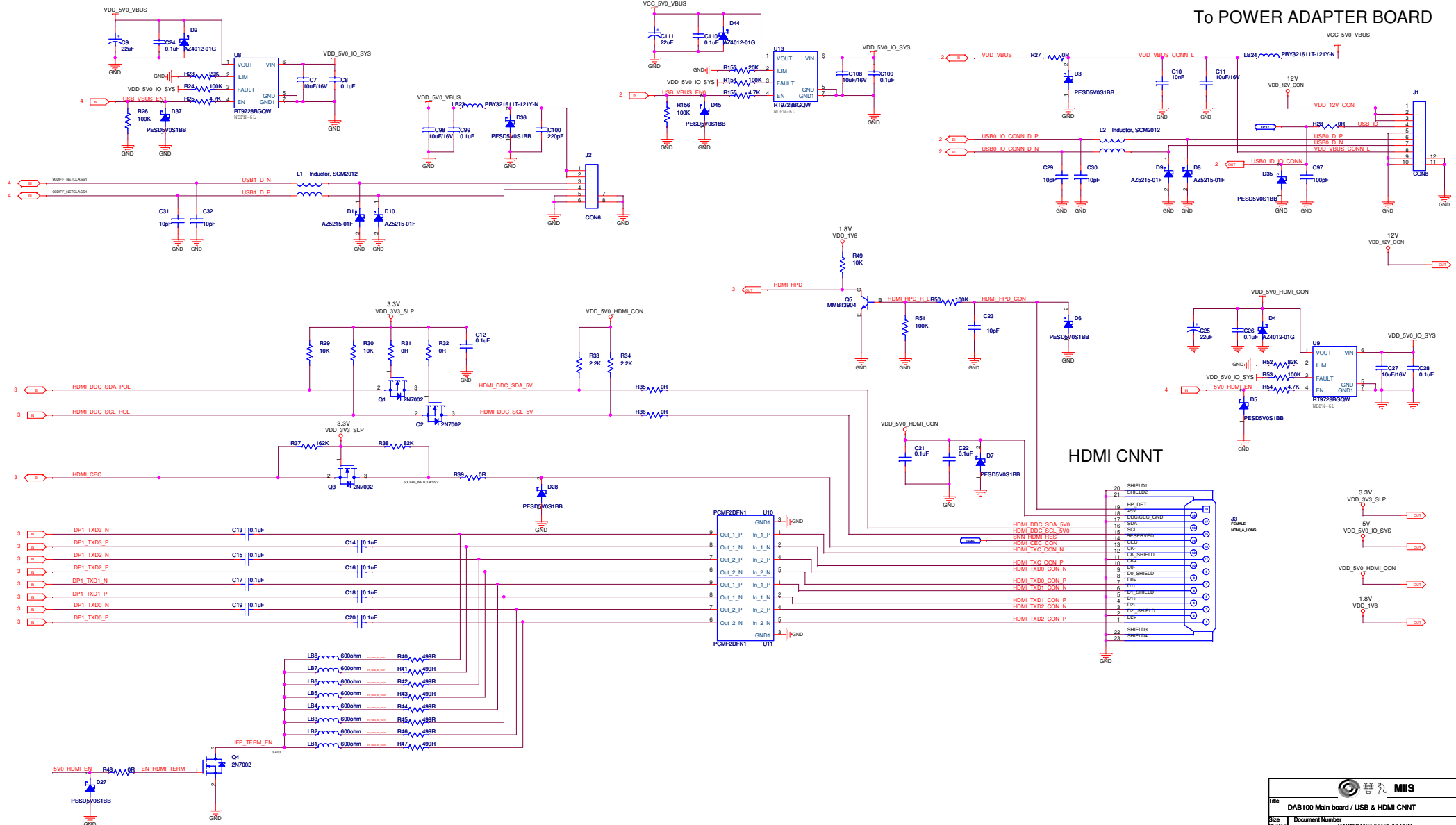




## TO USB 2.0 POGO PIN CONNECTOR

## TO MINI USB 2.0 CONNECTOR

## To POWER ADAPTER BOARD





The schematic diagram illustrates the power management section of the ADALM2000. It features two voltage dividers, D18 and D19, which provide reference voltages to the LDO regulators U3 and U2, respectively. The LDO regulator U3 (ADP1118) is configured to regulate the VDD\_1V8 supply. The 3.3V regulator U2 (ADP1118) is configured to regulate the 3.3V supply. The output of U3 is connected to the VDD\_1V8 pin of the ADALM2000. The output of U2 is connected to the 3.3V pin of the ADALM2000. The schematic also shows the connection of the VDD\_1V8 and 3.3V pins to the ADALM2000. A text box in the upper right corner provides the formula for the output voltage of the LDO regulator:

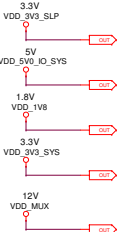
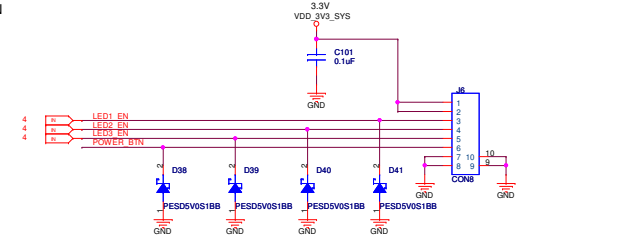
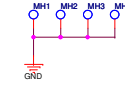
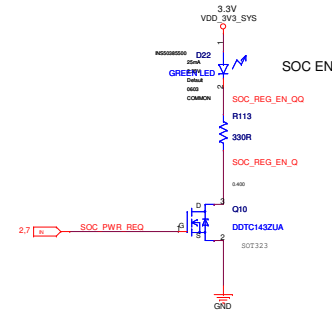
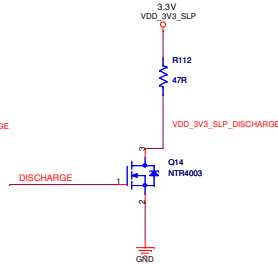
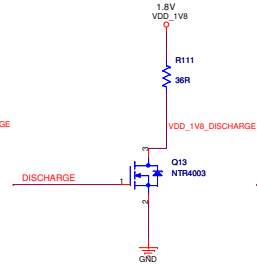
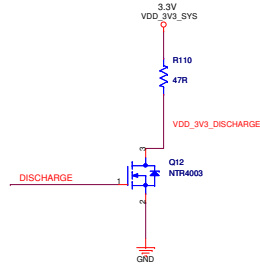
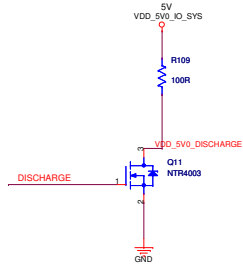
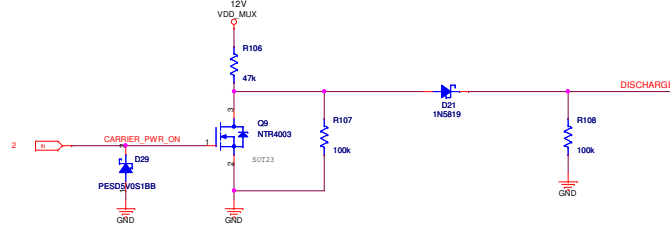
$$V_{out} = V_{in} \times \left( \frac{1 + R1/R2}{1 + R1/R3} \right)$$

For the LDO regulator, the values are:

$$V_{out} = 1.8V \times \left( \frac{1 + 10k/10k}{1 + 10k/10k} \right) = 1.8V$$

The schematic also shows the connection of the VDD\_1V8 and 3.3V pins to the ADALM2000. The output of U3 is connected to the VDD\_1V8 pin of the ADALM2000. The output of U2 is connected to the 3.3V pin of the ADALM2000. The schematic also shows the connection of the VDD\_1V8 and 3.3V pins to the ADALM2000.

# RAIL DISCHARGE



# Buttons

