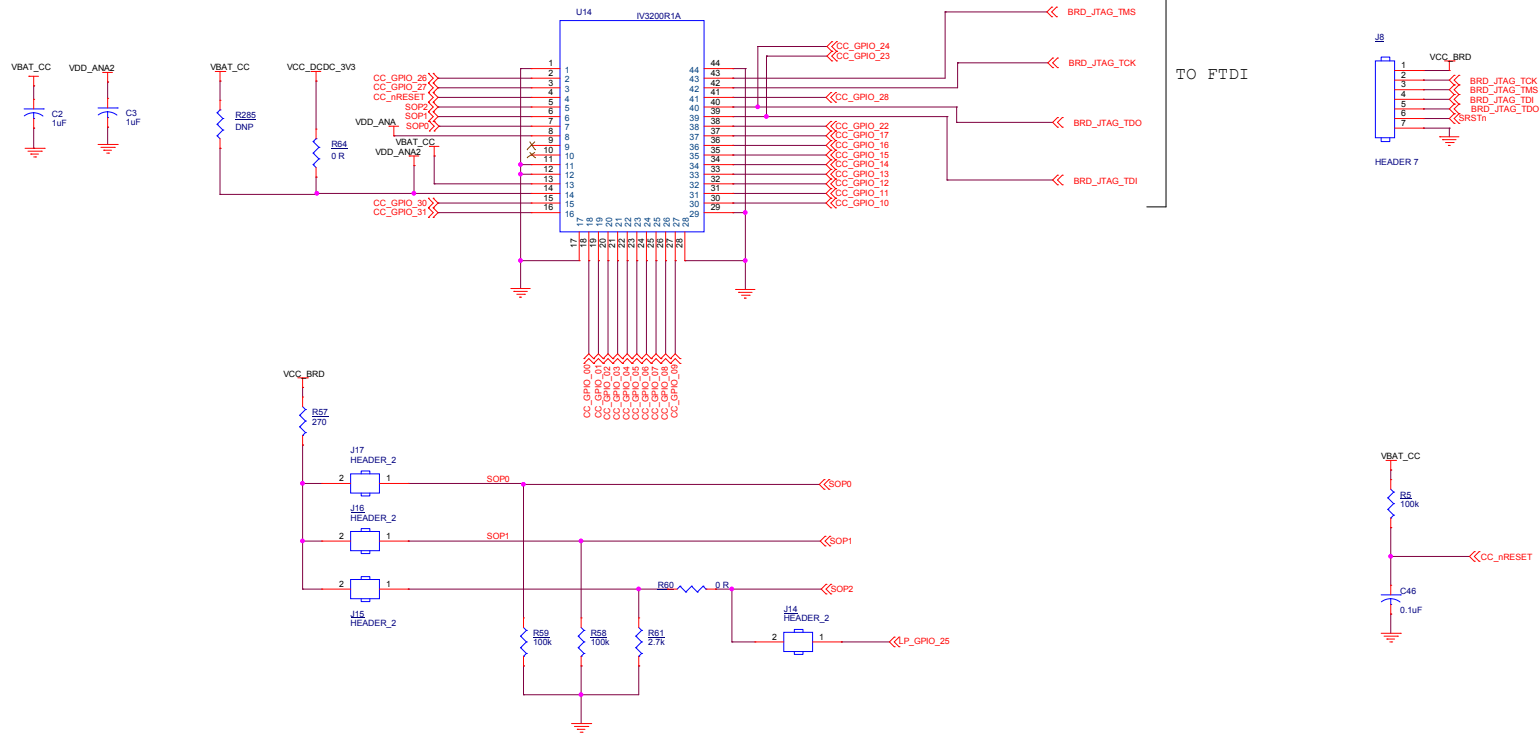




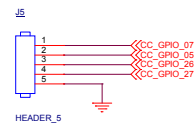
D



UART MUXING



TEST POINTS



The image shows two PCB layout diagrams for the CC3101 module. The top diagram is a detailed power and ground connection schematic. It includes a USB1 LDO (TPS79601) and a DC/DC for Flash (TPS61097-330BVR). The bottom diagram shows the DC/DC for Flash (TPS61097-330BVR) and the USB1 LDO (TPS79601).

Top Diagram: USB1 LDO and DC/DC for Flash

- USB1 LDO (TPS79601):** This LDO is used to regulate the USB1 supply. It has an input (IN) connected to VBUS_USB1 and an output (OUT) connected to VCC_MCU_5V. The feedback (FB) pin is connected to ground. The enable (EN) pin is connected to VCC_MCU_5V. The LDO is also connected to VCC_LDO_3V3, VCC_BRD, and VBAT_CC.
- DC/DC for Flash (TPS61097-330BVR):** This DC/DC converter is used to regulate the flash supply. It has an input (VIN) connected to VCC_BRD and an output (VOUT) connected to VCC_DCDC_3V3. The feedback (FB) pin is connected to ground. The enable (EN) pin is connected to VCC_DCDC_3V3. The DC/DC converter is also connected to VCC_BRD, VCC_DCDC_3V3, and VBAT_CC.
- Grounding:** The ground connections are labeled GND, GND1, GND2, GND3, GND4, GND5, GND6, GND7, GND8, GND9, GND10, GND11, GND12, GND13, GND14, GND15, GND16, GND17, GND18, GND19, GND20, GND21, GND22, GND23, GND24, GND25, GND26, GND27, GND28, GND29, GND30, GND31, GND32, GND33, GND34, GND35, GND36, GND37, GND38, GND39, GND40, GND41, GND42, GND43, GND44, GND45, GND46, GND47, GND48, GND49, GND50, GND51, GND52, GND53, GND54, GND55, GND56, GND57, GND58, GND59, GND60, GND61, GND62, GND63, GND64, GND65, GND66, GND67, GND68, GND69, GND70, GND71, GND72, GND73, GND74, GND75, GND76, GND77, GND78, GND79, GND80, GND81, GND82, GND83, GND84, GND85, GND86, GND87, GND88, GND89, GND90, GND91, GND92, GND93, GND94, GND95, GND96, GND97, GND98, GND99, GND100.

Bottom Diagram: DC/DC for Flash (BOOST MODE ONLY)

- DC/DC for Flash (TPS61097-330BVR):** This DC/DC converter is used to regulate the flash supply in boost mode. It has an input (VIN) connected to VCC_BRD and an output (VOUT) connected to VCC_DCDC_3V3. The feedback (FB) pin is connected to ground. The enable (EN) pin is connected to VCC_DCDC_3V3. The DC/DC converter is also connected to VCC_BRD, VCC_DCDC_3V3, and VBAT_CC.
- USB1 LDO (TPS79601):** This LDO is used to regulate the USB1 supply. It has an input (IN) connected to VBUS_USB1 and an output (OUT) connected to VCC_MCU_5V. The feedback (FB) pin is connected to ground. The enable (EN) pin is connected to VCC_MCU_5V. The LDO is also connected to VCC_LDO_3V3, VCC_BRD, and VBAT_CC.
- Grounding:** The ground connections are labeled GND, GND1, GND2, GND3, GND4, GND5, GND6, GND7, GND8, GND9, GND10, GND11, GND12, GND13, GND14, GND15, GND16, GND17, GND18, GND19, GND20, GND21, GND22, GND23, GND24, GND25, GND26, GND27, GND28, GND29, GND30, GND31, GND32, GND33, GND34, GND35, GND36, GND37, GND38, GND39, GND40, GND41, GND42, GND43, GND44, GND45, GND46, GND47, GND48, GND49, GND50, GND51, GND52, GND53, GND54, GND55, GND56, GND57, GND58, GND59, GND60, GND61, GND62, GND63, GND64, GND65, GND66, GND67, GND68, GND69, GND70, GND71, GND72, GND73, GND74, GND75, GND76, GND77, GND78, GND79, GND80, GND81, GND82, GND83, GND84, GND85, GND86, GND87, GND88, GND89, GND90, GND91, GND92, GND93, GND94, GND95, GND96, GND97, GND98, GND99, GND100.