

LTE connectivity expansion board for STMod+ connector compatible evaluation boards



Features

- LTE connectivity expansion for evaluation boards hosting the STMod+ connector
- Embedded Quectel BG96 FCC and IC certified LTE module (FCC ID: XMR201707BG96 and IC: 10224A-201709BG96)
- Modem reset red LED and modem signaling green LED
- ST Incard eSIM
- Switchable SIM interface, eSIM and MicroSIM
- Pulse SMA antenna for the following frequency ranges: 824/900/1800/1900/2100 MHz
- Modem firmware can be easily upgraded through the dedicated micro-B USB connector

Description

The **STEVAL-STMODLTE** expansion board adds LTE connectivity to evaluation boards hosting the STMod+ expansion connector. It embeds an LTE cellular modem and an eSIM with a worldwide coverage.

The expansion board can be used only with the furnished antenna and is compatible with all STMicroelectronics Discovery kits featuring an STMod+ connector, such as the **STM32L496G-DISCO**, and with any STMod+ compatible evaluation board.

The package, combined with any compatible evaluation board, represents an ideal development platform for cellular and cloud technology-based solutions.

Product summary	
LTE connectivity expansion board for STMod+ connector compatible evaluation boards	STEVAL-STMODLTE
Cellular software expansion for STM32Cube	X-CUBE-CELLULAR
Applications	LTE Connectivity

1

Figure 1. STEVAL-STMODLTE circuit schematic (1 of 4)

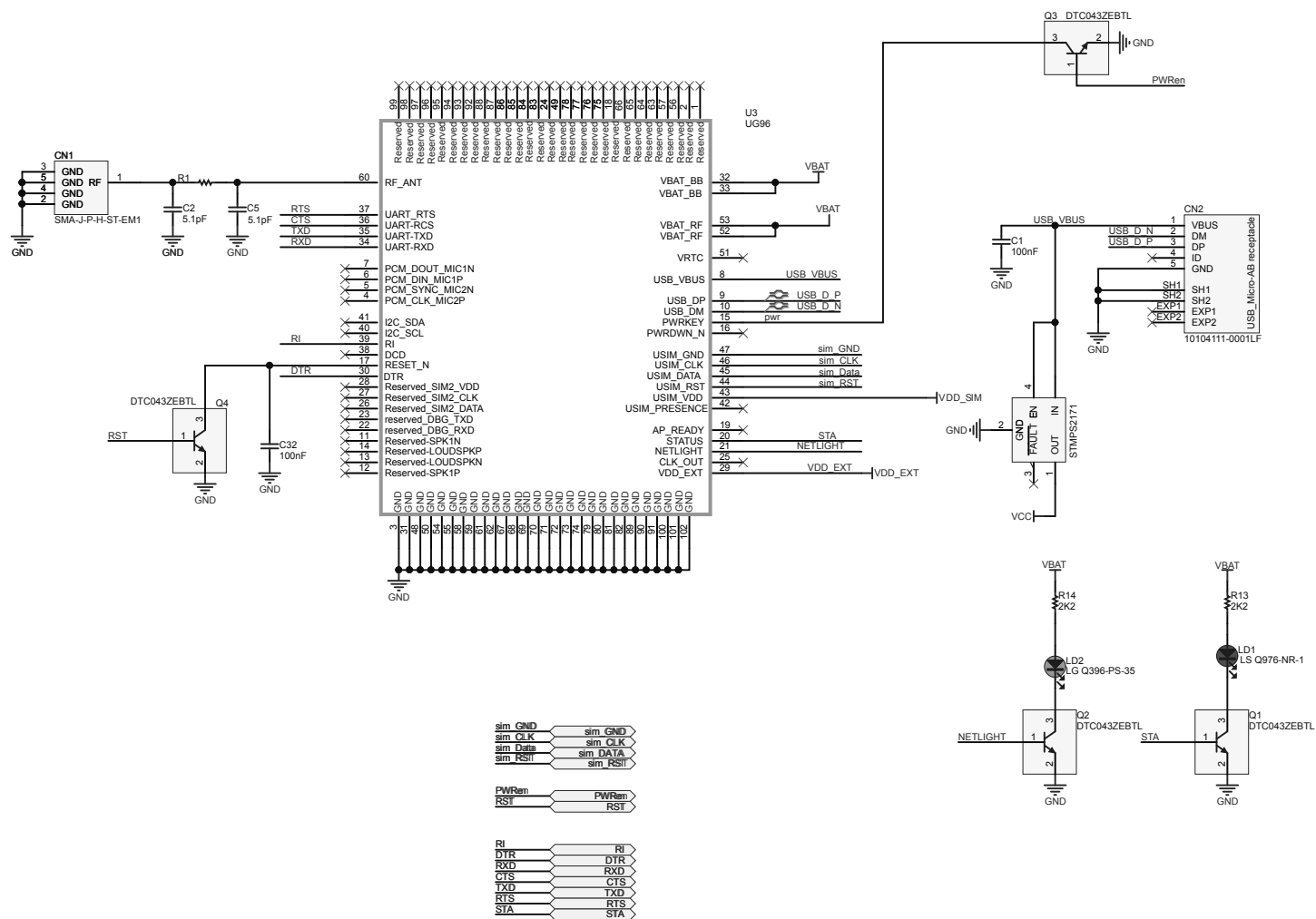


Figure 3. STEVAL-STMODLTE circuit schematic (3 of 4)

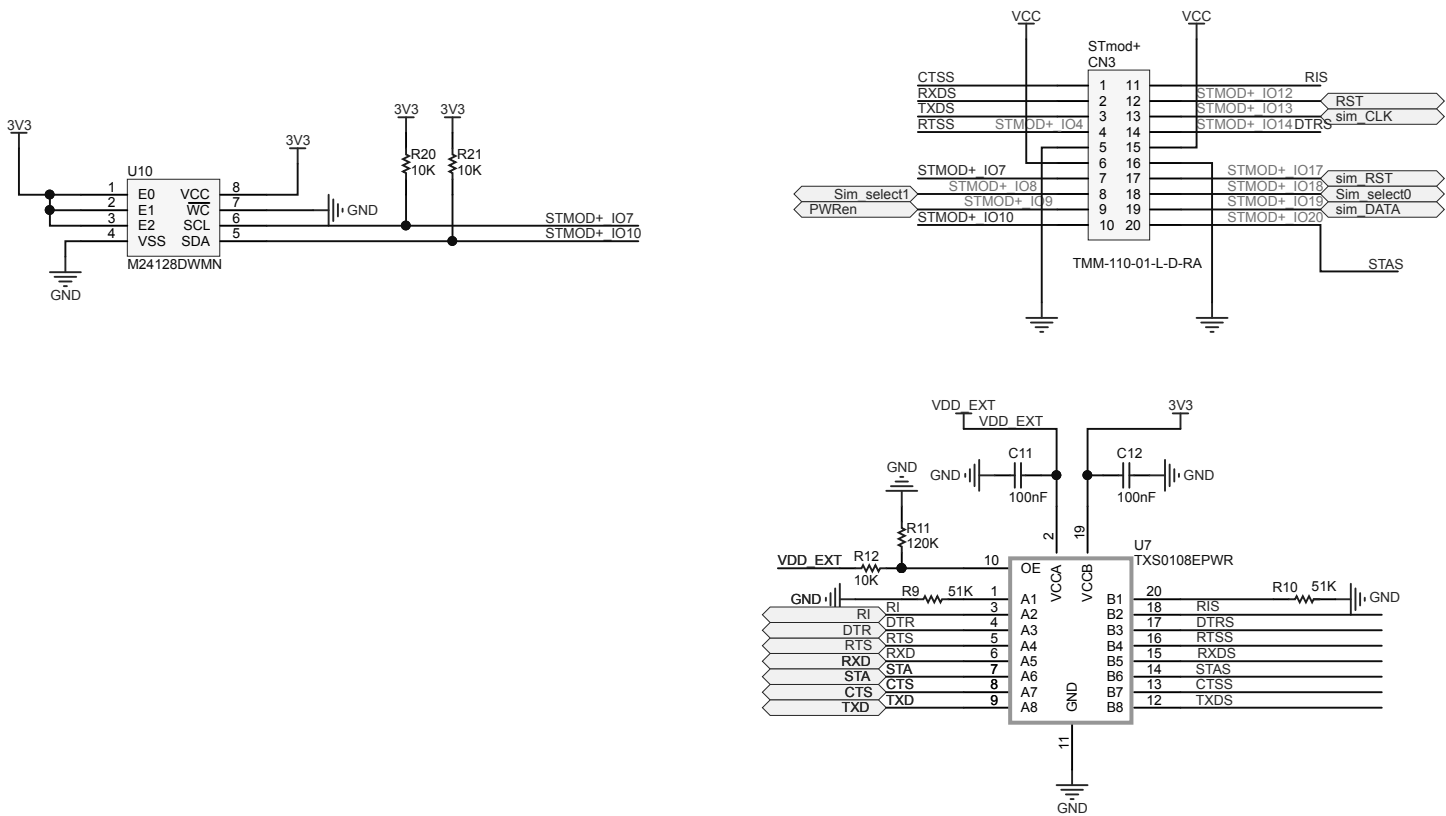
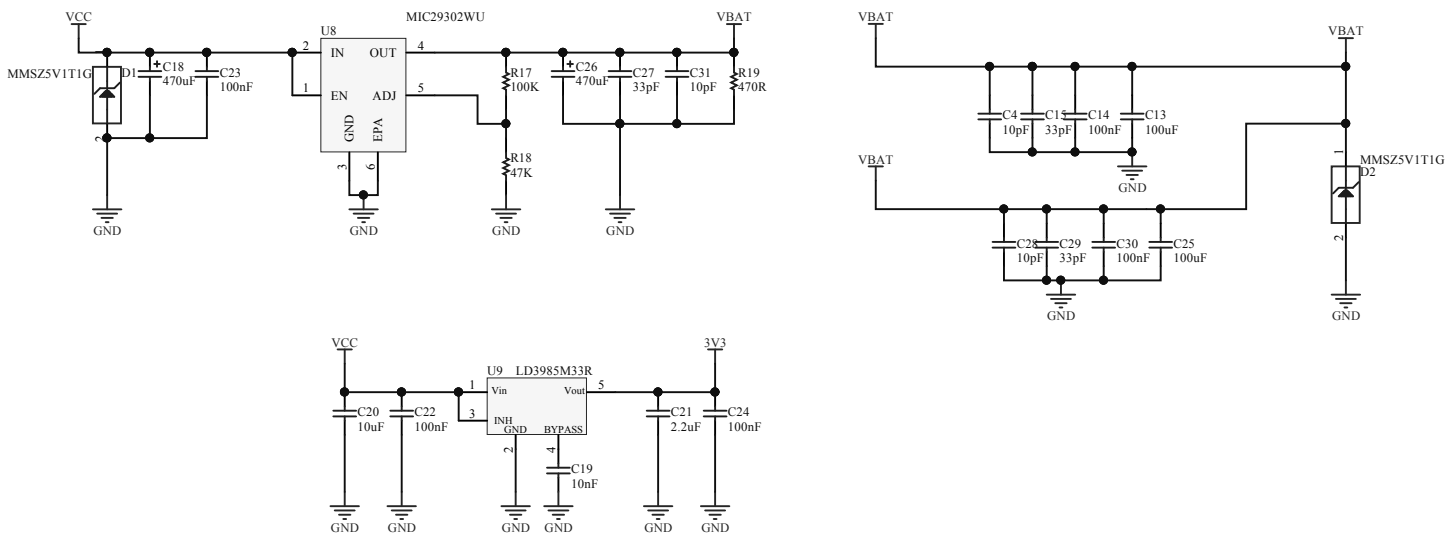


Figure 4. STEVAL-STM0DLTE circuit schematic (4 of 4)



Revision history

Table 1. Document revision history

Date	Version	Changes
23-Nov-2020	1	Initial release.

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