

Statement

We **Quectel Wireless Solutions Co., Ltd** declare the following models.

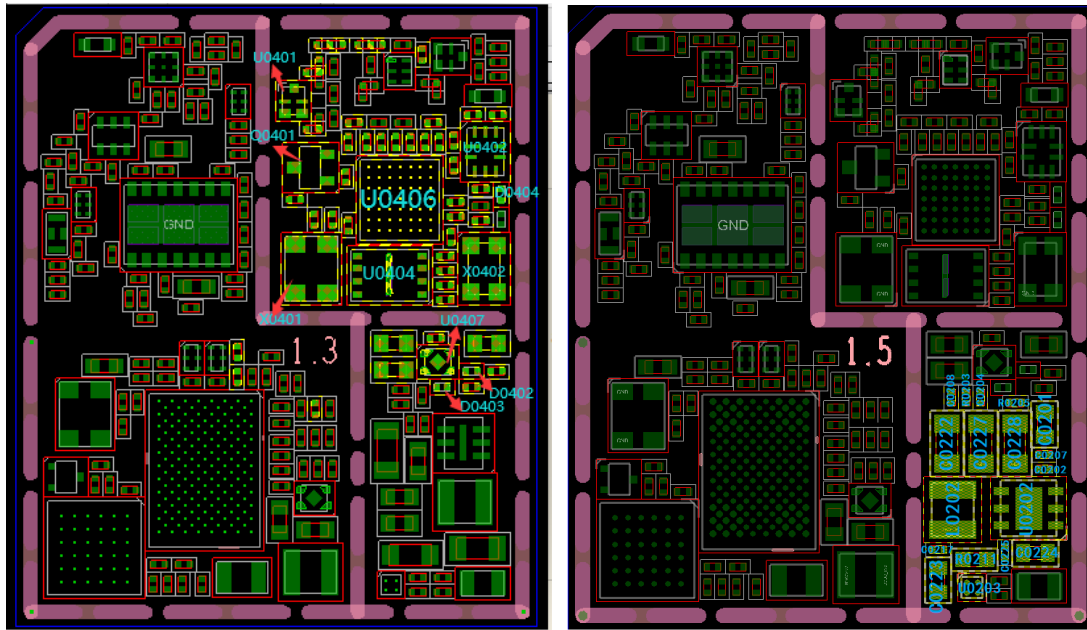
Product Name: LTE Cat M1 & Cat NB1 Module

Model Number: **BG950A-GL, BG951A-GL**

BG950A-GL and BG951A-GL both use ALT1250 chip, share the same chipset baseline, the same hardware (LTE) and software design, and support the same frequency band. The difference is that BG950A-GL uses ALT1250's internal GNSS that just support GPS & GLONASS, while BG951A-GL add external GNSS chip CXD5605AGF to support BeiDou, Galileo, QZSS, and LTE&GNSS concurrency additionally.

The main hardware difference is the GNSS chip CXD5605AGF and its peripheral circuit are NM on the BG950A-GL as follow table, and BG951A-GL changed **the Boost DC-DC circuit and the layout of this circuit.** There is no other change for RF parts.

Module	Chipset	Version	Frequency
BG950A-GL	ALT1250TG-D0	1.3	Cat M1 & Cat NB1 GNSS: GPS, GLONASS
BG951A-GL	ALT1250TG-D0 CXD5605AGF	1.5	Cat M1 & Cat NB1 GNSS: GPS, GLONASS, BeiDou, Galileo, QZSS



Designator	BG950A-GL	BG951A-GL
	(Part Description)	(Part Description)
Q0401	NM	AUD PMOS VDS=-20V -0.66A VTH=-0.3~-1.1V SOT-523 RO
U0401	NM	IC RF RX FILTER BEIDOU/GPS/GLONASS UNBALANCE 1.1MMX0.9MM H0.65MM RO
U0402	NM	IC ANALOG SWITCH 10-UTQFN 0.4PITCH 1.8×1.4MM H0.6MM RO
U0404	NM	MERO NOR 16MBIT 1.65-2.1V SPI LGA-8 2.0X3.0MM H0.5MM RO
U0406	NM	IC RF GNSS RECEIVER CXD5605AGF 49-UFBGA 0.4PITCH 3.01X3.1MM H0.6MM RO
U0407	NM	PMIC LDO 1.6-5.5V 1.8V 300MA UTDFN-1×1-4L H0.6MM RO
D0402\D0403\D0404	NM	DIO SCHOTTKY VR=30V IF=100MA DFNWB0.6 X 0.3-2L-B RO
X0401	NM	CRY TCXO 26MHZ +/-0.5PPM 1.8V 2.0X1.6MM H0.8MM RO
X0402	NM	CRY TCXO 32.768KHZ +/-3PPM 1.8V 2.0X1.2MM H0.7MM RO

Your assistance on this matter is highly appreciated.

Jean Hu

Sincerely,

Name: Jean Hu

Title: Certification Section