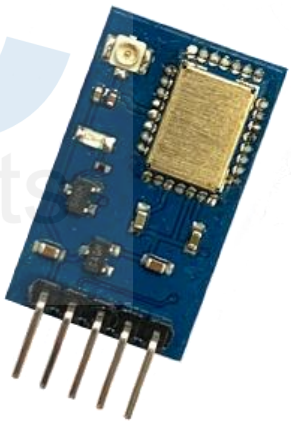
REYAX
TECHNOLOGY CORPORATION, LTD

02-SEP-2020 56312E35

RYS8833_Lite

Ultra Low Power 1.8V UART interface GNSS module

Datasheet



27mm*16mm*1mm

Represented by:

first FC components
FIRST Components s.r.l.
www.first-components.com
technical@first-components.com
+39 0332 1888005

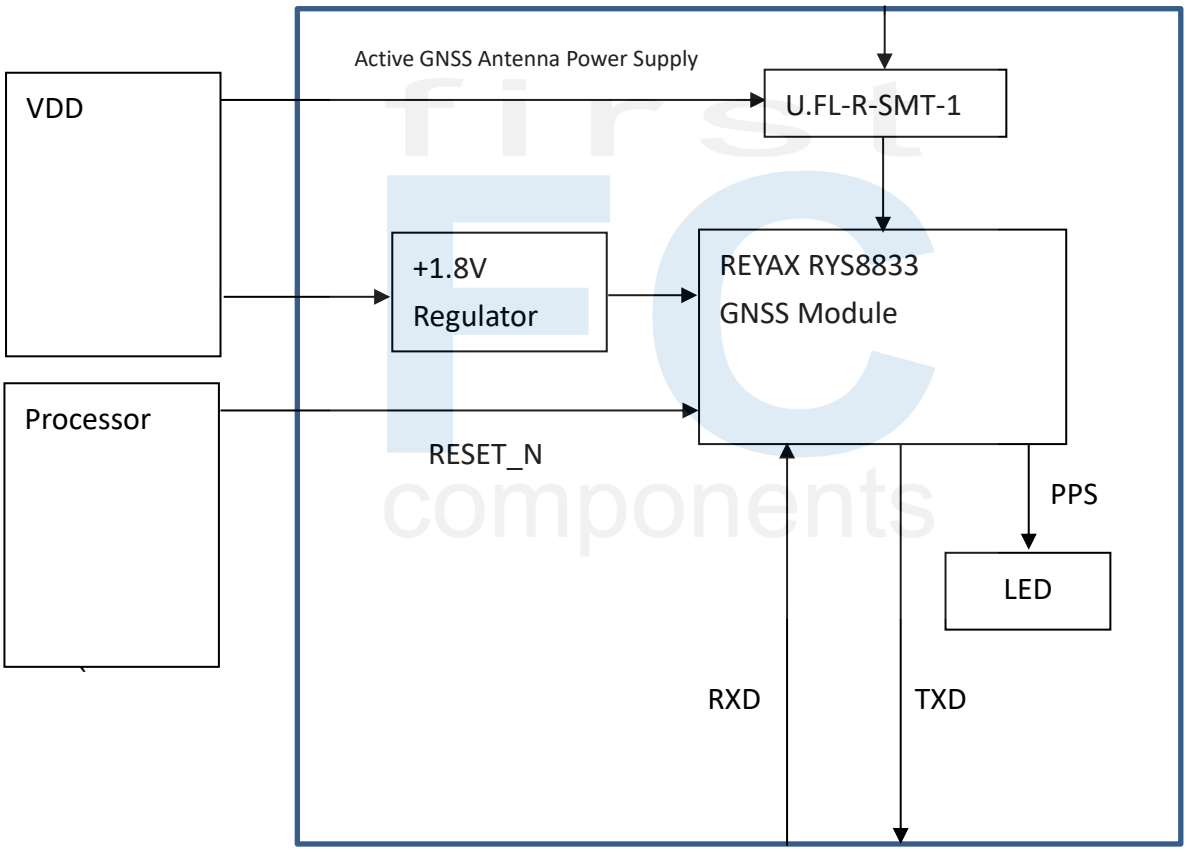
PRODUCT DESCRIPTION

The RYS8833_Lite is a multi-GNSS module with high sensitivity.

FEATURES

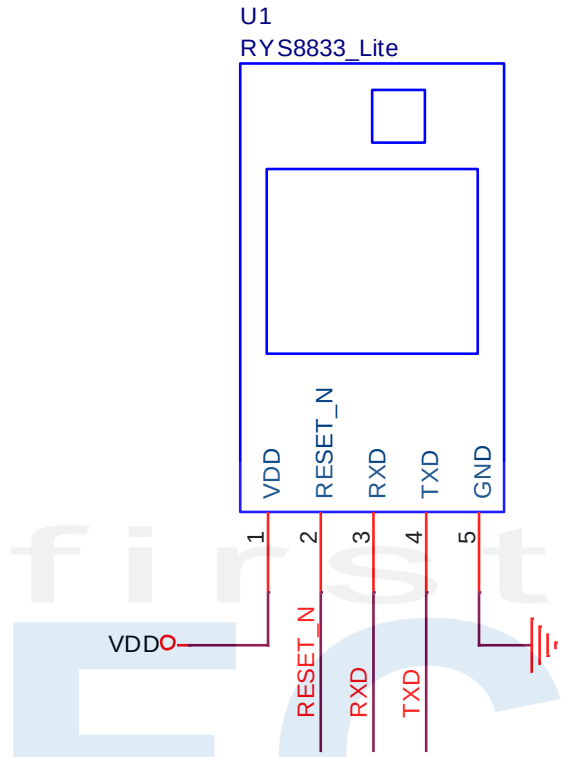
- REYAX RYS8833 with SONY CXD5605GF Engine.
- A multi-GNSS module for GPS(L1 C/A), GLONASS(L1 OF), SBAS(L1 C/A), QZSS(L1 C/A), BeiDou(B1 TBD) and Galileo(E1 CBOC TBD).
- +1.8V UART Interface.

BLOCK DIAGRAM



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PIN DESCRIPTION

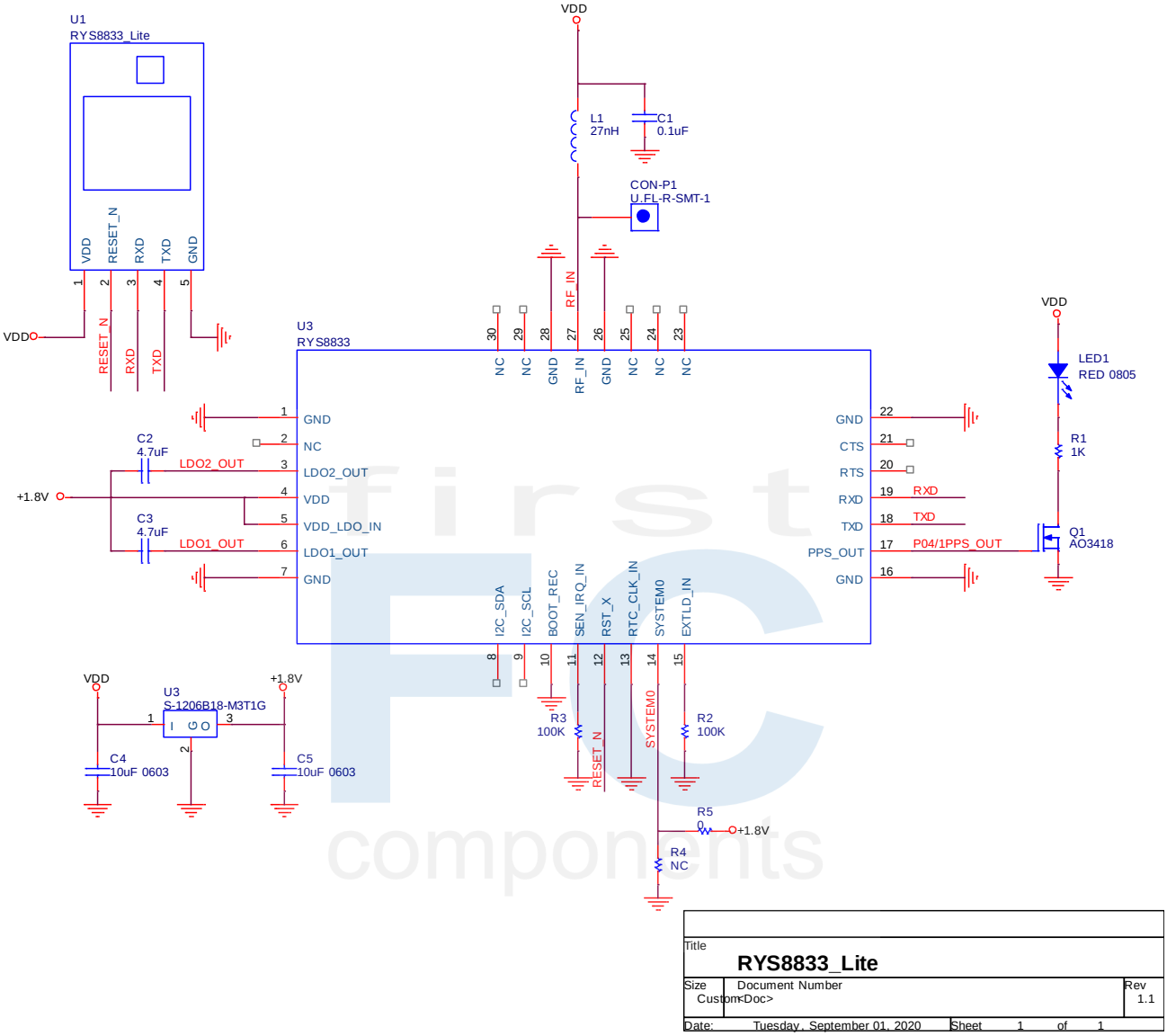


Pin	Name	I/O	Condition
1	VDD	I	Power Supply +3.3V
2	RESET_N	I	Low Reset
3	RXD	I	Serial interface Input (+1.8V)
4	TXD	O	Serial interface Output (+1.8V)
5	GND	-	Ground

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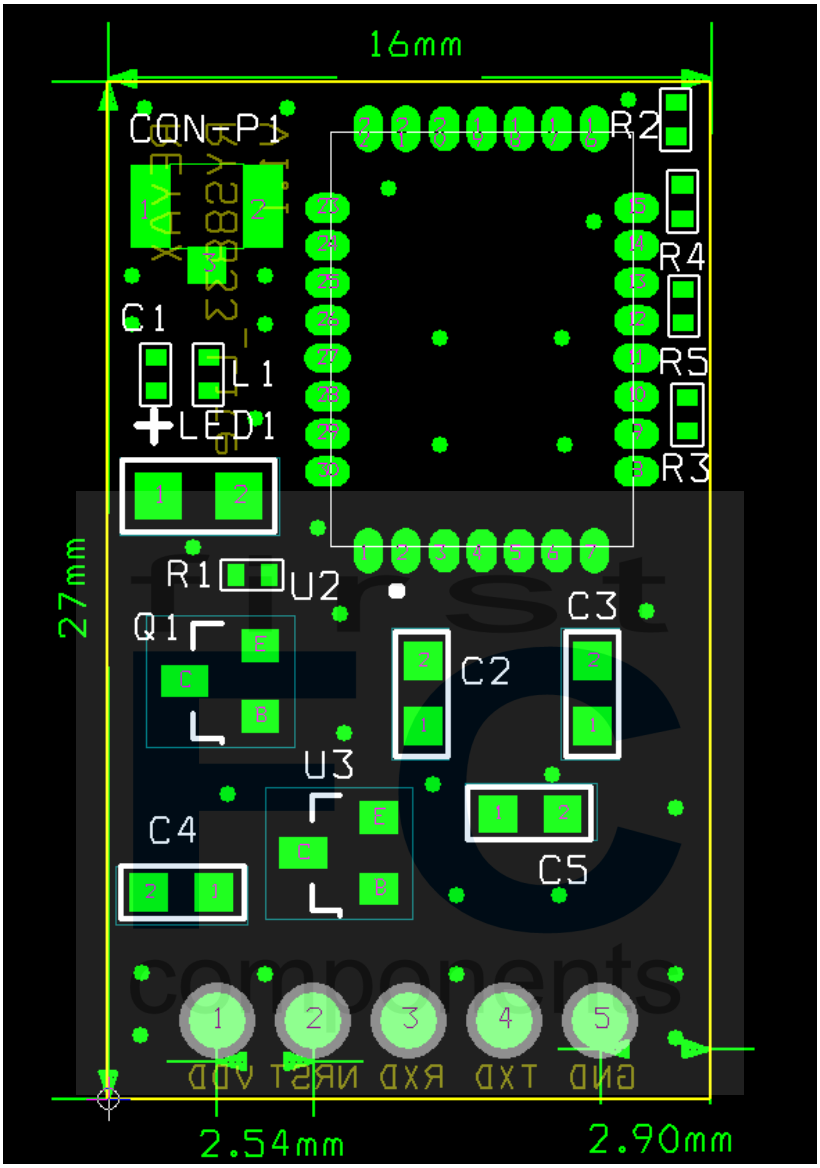
APPLICATION SCHEMATIC (UART Interface)



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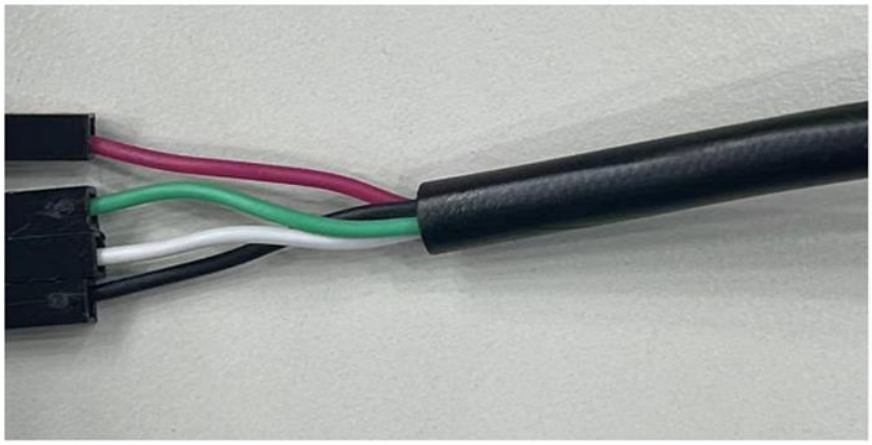
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DIMENSIONS



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UART + 1.8V Instruction



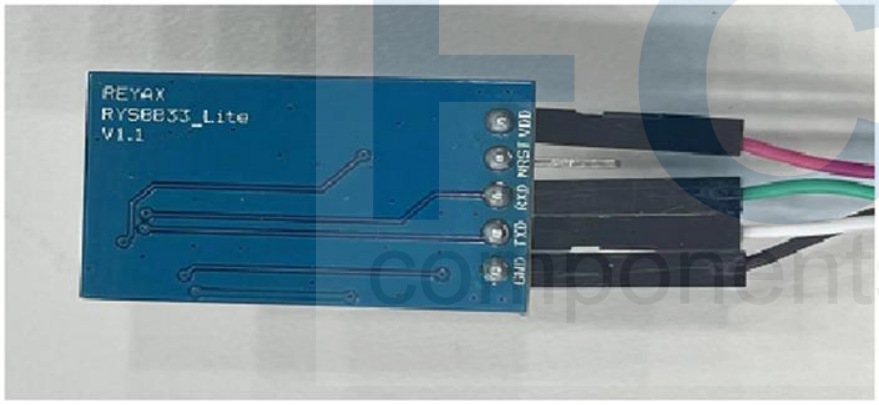
*The image is for reference only

Red: +5V VDD

Green: +1.8V TX (Data output)

Whit: +1.8V RX (Data input)

Black: Ground



*The image is for reference only

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