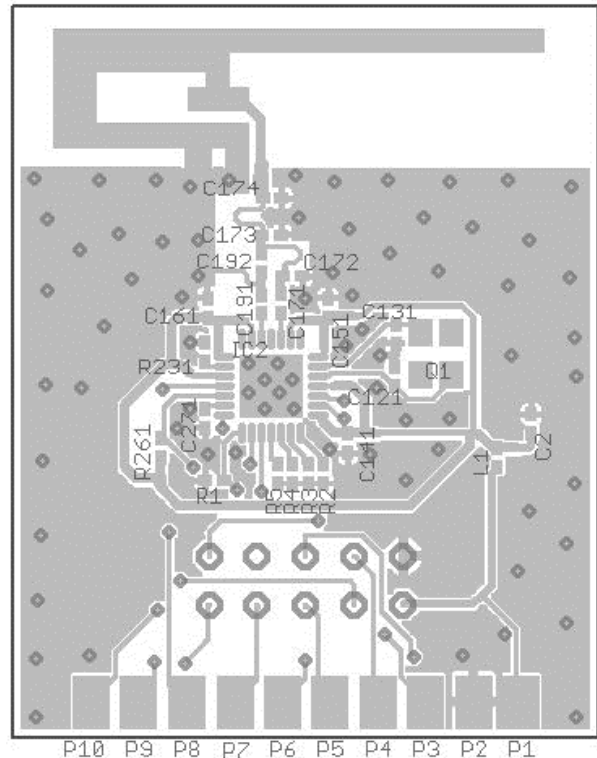


TI RF Module Integration Manual

This module will be built in only in Trimble products by Trimble itself. Trimble makes sure that the maximum voltage is 3.8V.

Pad	Function
P1	Vdd
P2	GND
P3	SPI_IN
P4	SPI_OUT
P5	SPI_CLK
P6	CS_N
P7	Reset
P8	Vreg_EN
P9	GPIO0
P10	GPIO1



The design is based on the CC2520 from Texas Instruments.

- P1: Vdd supply voltage 1.8 - 3.8V
- P2: GND
- P3: SO SPI Interface Serial Out
- P4: SI SPI Interface Serial In
- P5: SPI_CLK SPI Interface Serial clock 8MHz max
- P6: CS_N SPI Interface Chip select active low
- P7: External Reset pin active low
- P8: Vreg_EN when High, digital voltage regulator is active
- P9: GPIO0 general purpose digital I/O
- P10: GPIO1 general purpose digital I/O

Mounting instruction:

The module could be mounted and connected with a plug connector or could be mounted on a plastic holder and connected with cable (P1-P10).

Maximum Voltage: 3,8V

Connect the SPI Port to a microcontroller and use the instruction of Texas Instruments to start running the module.



ID's:

FCC: PWR-TK14RF

IC: 4131A-TK14RF

Units with this module have to mark on the label with:

Contains FCC ID: PWR-TK14RF

Contains IC: 4131A-TK14RF

Statements:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.