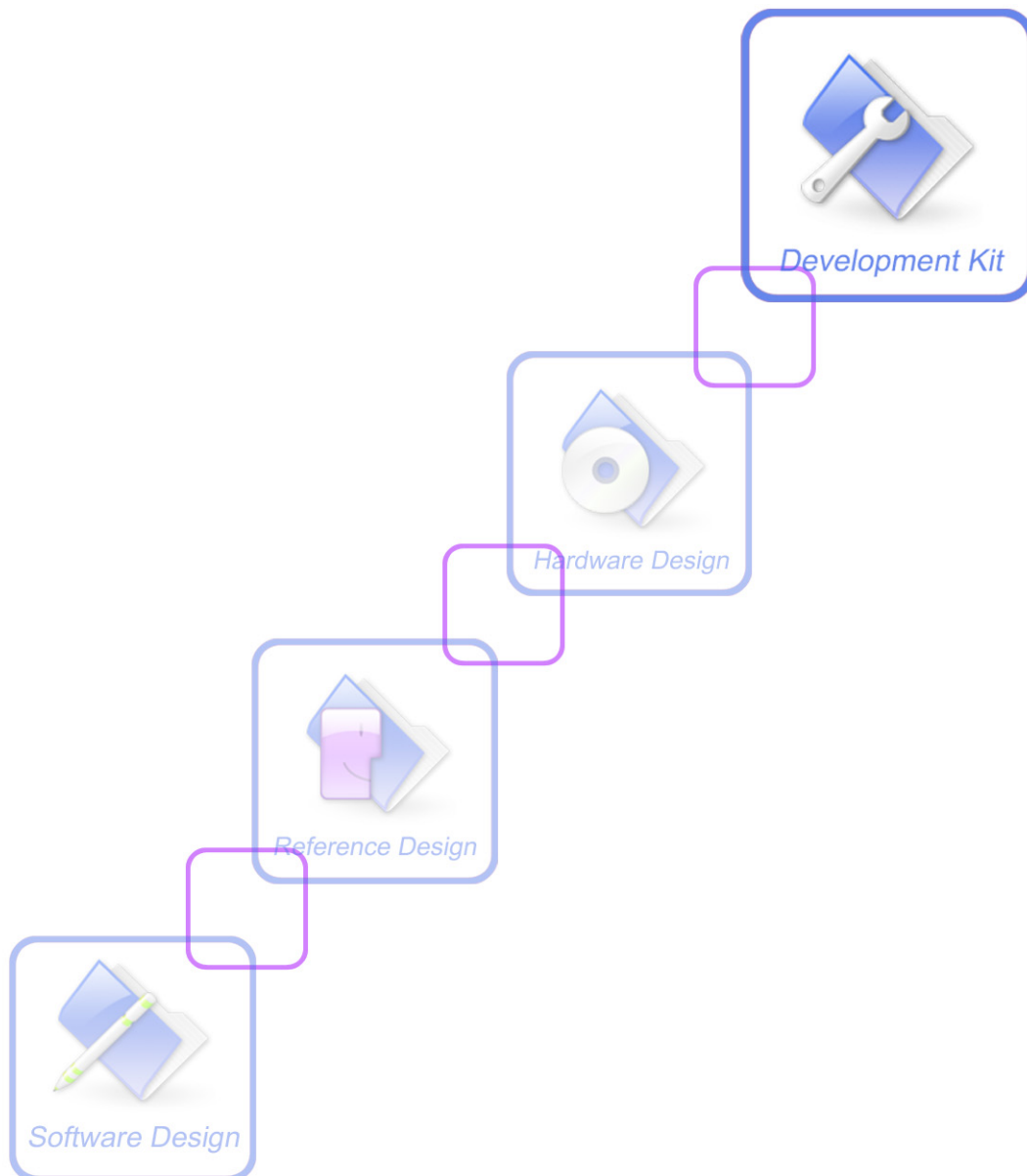




SIM7020-TE Kit_User Guide_V1.0



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2 Version History

| Data | Version | Description of change | Author |
|------------|---------|-----------------------|----------|
| 2018-01-19 | 1.0 | Origin | Ming.zhu |

SCOPE

SIM7020-TE is equipped with SIMCOM-EVB. The main function of TE board is connection between module and SIMCOM-EVB. This document describes helpful information to use SIM7020-TE.

This document is subject to change without notice at any time.

3 SIM7020-TE

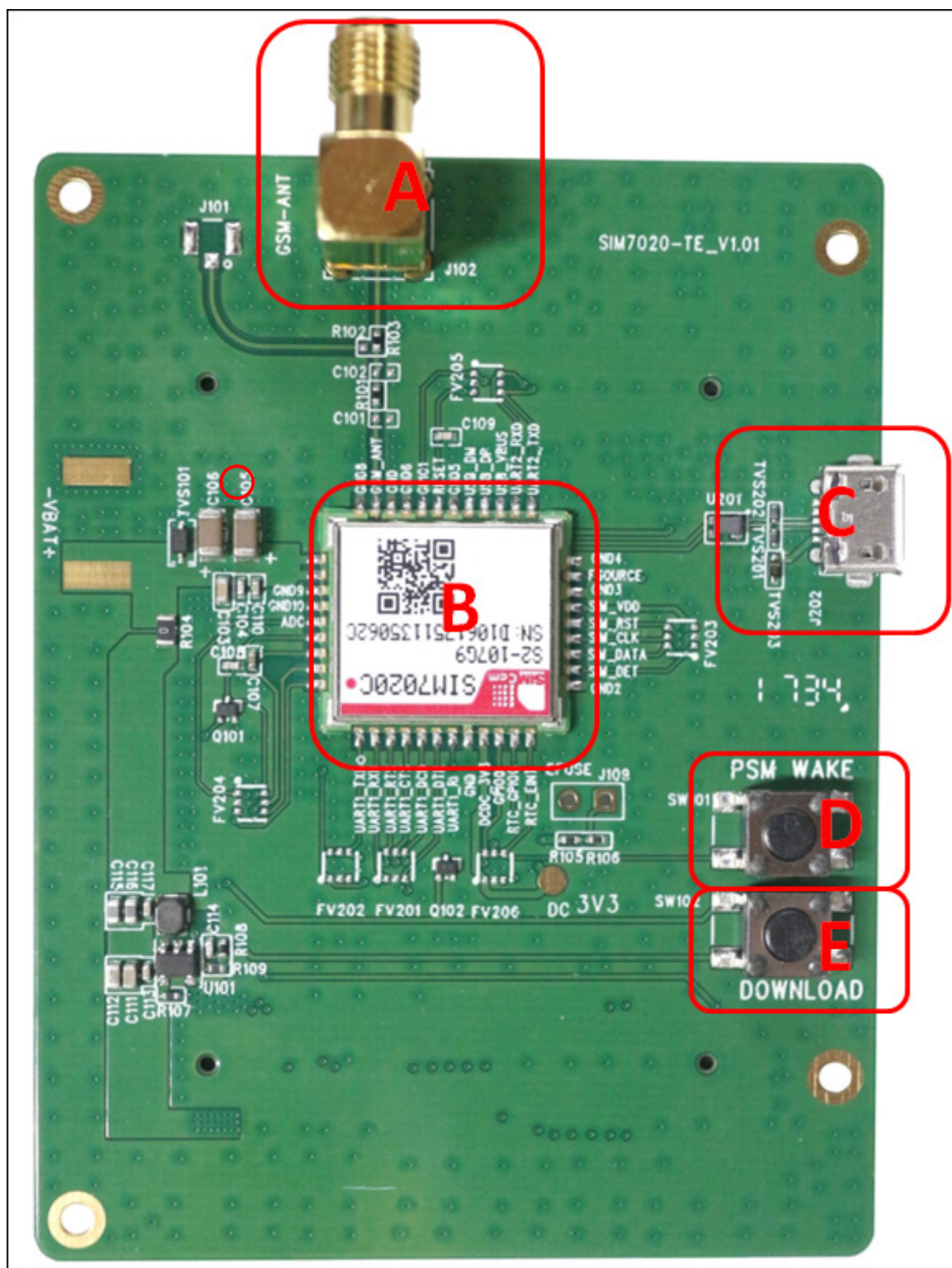


Figure 1: SIM7020-TE TOP view

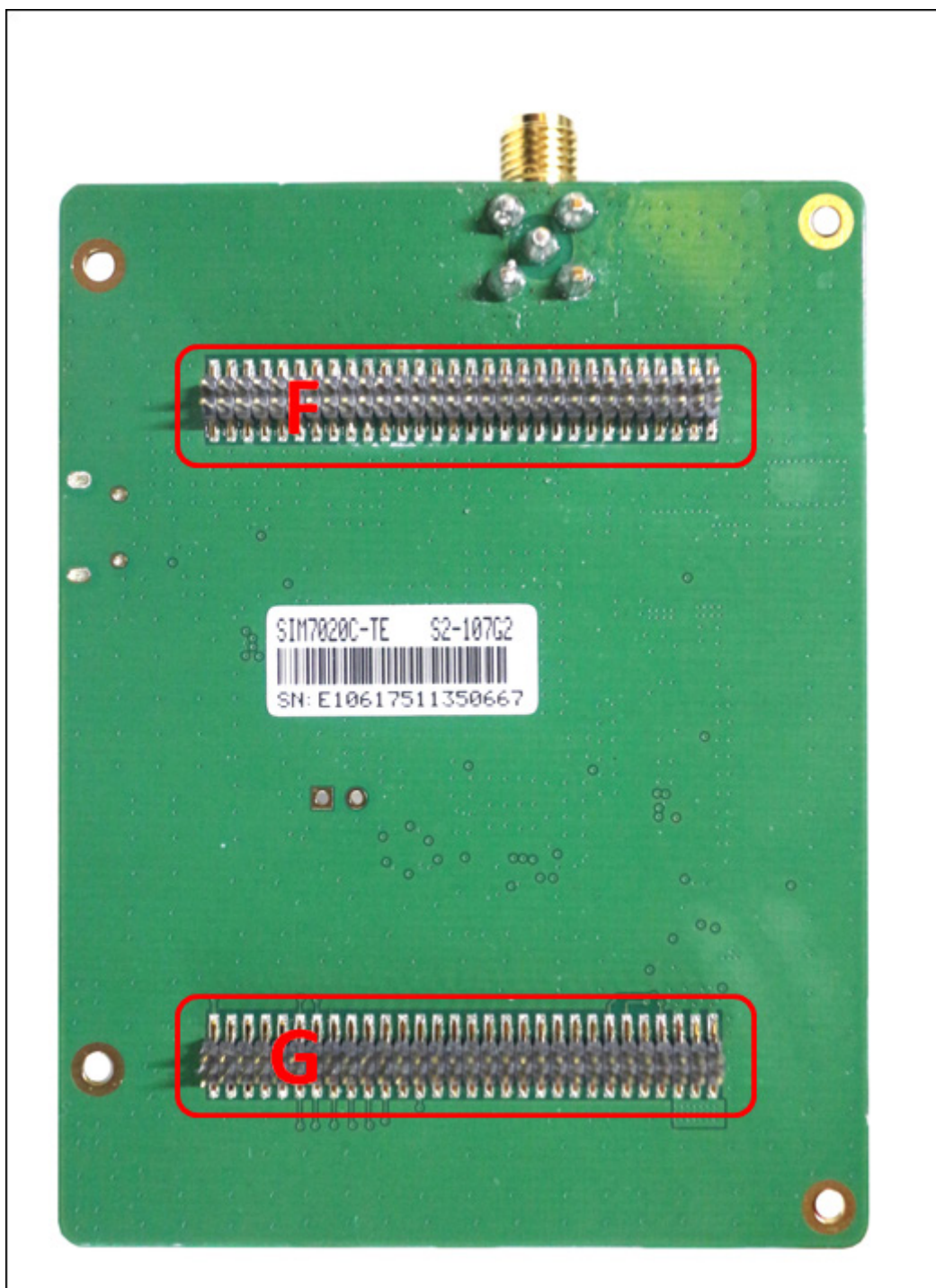


Figure 2: SIM7020-TE BOTTOM view

- A: RF connectors for LTE antenna
- B: SIM7020
- C: USB connector
- D: WakeUp Switch for PSM mode which connect to RTC_EINT
- E: USB Download Switch (useless)
- F: Connector for SIMCOM-EVB
- G: Connector for SIMCOM-EVB

3.1 USB interface

SIM7020-TE provide a USB interface, which is used for debugging. This interface is compliant with the USB1.1 specification.

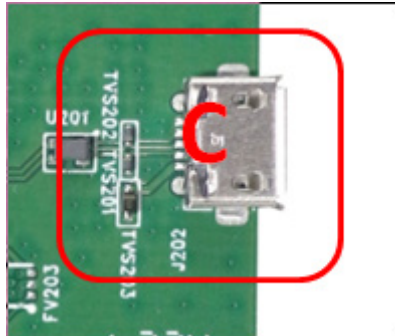


Figure 3: USB interface

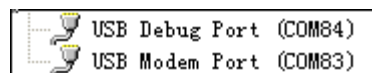


Figure 4: USB terminals

3.2 RF connectors

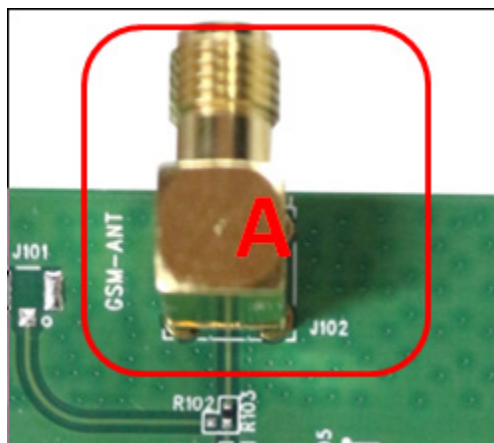


Figure 5: RF connectors

As the R103 presenced, the default RF connector is J102.

3.3 Test Points

There are two test points for external power supply. Customers can use external power supply for SIM7020 when R104 is unpopulated. The power range should apply to SIM7020's VBAT range, typ 3V3.

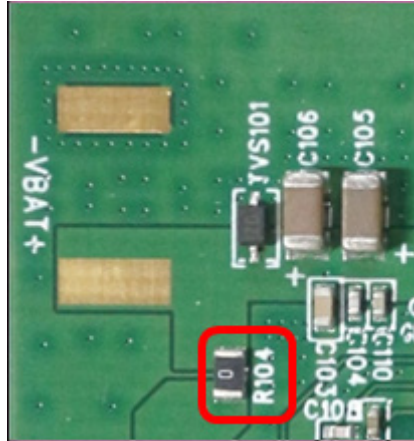


Figure 6: Test Points for external power supply

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