

EVO certification chip difference statement

FCC ID: 2AEMI-E404X

IC: 20127-E404X

In order to ensure the safety of procurement and supply, We Particle considers the same material and is compatible with different manufacturers and models.

1. PMIC compatible, output power supply network VSYS, used to supply power for Modem (U6) and DC-DC input.

- Original model TI: bq24195
- Alternative model TI: bq24190

The difference between the two is that in USB boost mode, bq24195 pin 23 (PMID) supports 2.1A external output, while bq24190 only supports 1.3A. This function is not used in this product, so there is basically no difference between the two.

2. DC-DC compatible, output power network +3V3, which is used to supply power to logic devices other than modem, and battery fuel gauge. The functions of these three chips are to convert the input voltage to 3.3V, but the brands are different.

- Richtek - [RT5760CHGH6F](#) (original)
- TI - [TLV62568](#)
- MPS - [MP1601GTF-Z](#)

Samples information

Sample Number	description
Sample 1	Main test sample, (U11: TI - bq24195, U12: Richtek - RT5760CHGH6F)
Sample 2	Base on sample 1 change U11 to TI - bq24190
Sample 3	Base on sample 1 change U12 to TI - TLV62568
Sample 4	Base on sample 1 change U12 to MPS - MP1601GTF-Z

Should you have any question or comment regarding this matter, please have my best attention.

Sincerely yours,



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