

Differences between BGM13PxxA and BGM13PxxE

The model BGM13PxxA is electrically identical to BGM13PxxE and the two models have been designed and verified to have same RF characteristics. The differences between the models are:

- 1. A model is using an internal chip antenna while E model is equipped with a u.fl connector to be used with an external antenna
- In E model the RF trace and location of some decoupling capacitors have been adjusted to fit in the u.fl connector by keeping the same footprint with A model

The differences are shown in the figure below

A variant has internal chip antenna, E variant has u.fl connector for an external antenna
2. RF trace and power supply decoupling capacitors have been adjusted to fit in the u.fl connector to the E variant

Figure 1: Differences in the layout