

Our KC-21 footprint has remained unchanged for the past 10 years. Our new KC-2114 (and KC-1014/1114/2014 modules) are designed to be drop in compatible. Changes are highlighted below:

- Pins are changed from 60 mil pitch to 1.5 mm pitch, so there is a minor offset.
- Reordered PIO pins, in numeric order. Firmware can assign any feature to any PIO, so matching a feature to a physical pin can maintain compatibility existing circuit boards.
- The factory SPI pins along the top edge are relocated and not pin compatible with the KC-21. Since these are only used for emergency factory programming access, this does not affect production products.
- An RF shield has been added, and the overall module height is slightly higher.

Dimension differences

| | KC-21 | KC-2114 |
|--------|----------------------|----------|
| WIDTH | 15.24 mm (600 mils) | 15.00 mm |
| LENGTH | 26.92 mm (1060 mils) | 26.00 mm |
| HEIGHT | 2.1 mm (82 mils) | 2.3 mm |
| PITCH | 1.52 mm (60 mils) | 1.50 mm |

Pin assignment and landing pad differences

