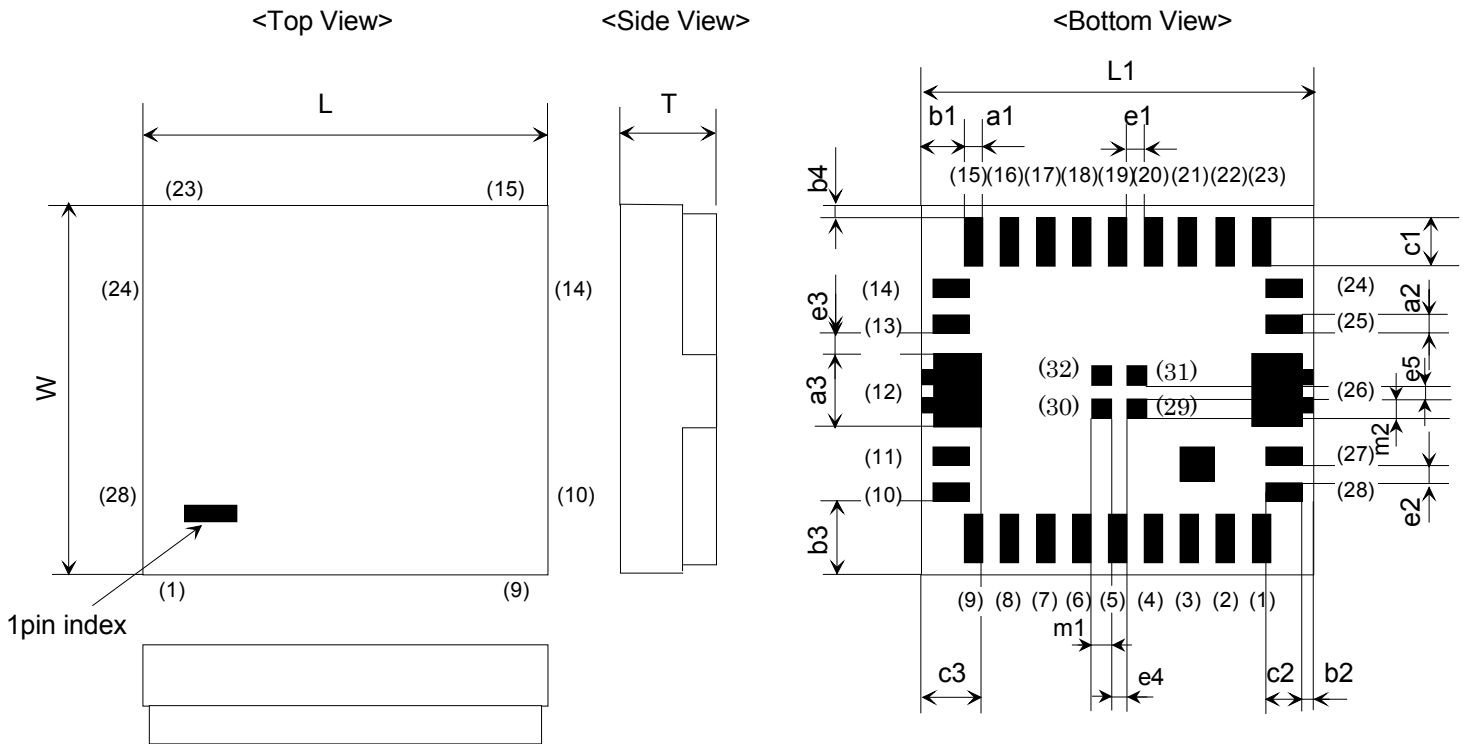


**MODEL: PSIONBTL169**

**INSTALLATION INSTRUCTIONS**

The bluetooth module, model number PSIONBTL169, and the bluetooth antenna need to be soldered to the printed circuit board using following information:

6. Dimensions, Marking and Terminal Configurations

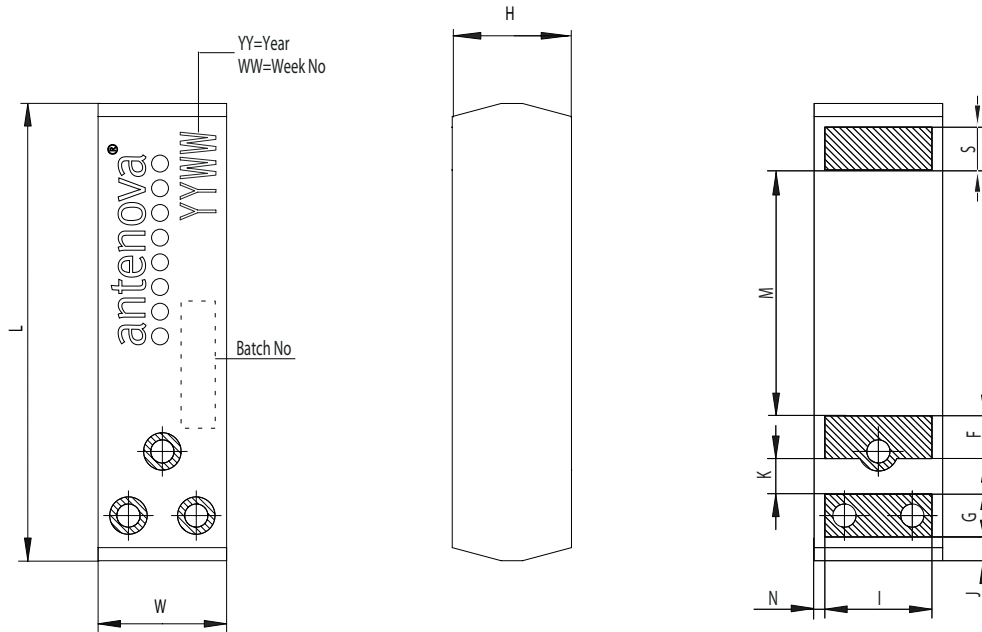


Dimensions

(Unit : mm)

| Mark | Dimension       | Mark | Dimension     | Mark | Dimension       |
|------|-----------------|------|---------------|------|-----------------|
| L    | 6.65 +/- 0.30   | W    | 6.15 +/- 0.30 | T    | 1.5 max.        |
| a1   | 0.3 +/- 0.1     | a2   | 0.3 +/- 0.1   | a3   | 1.2 +/- 0.1     |
| b1   | 0.725 +/- 0.200 | b2   | 0.2 +/- 0.2   | b3   | 1.225 +/- 0.200 |
| b4   | 0.2 +/- 0.2     | c1   | 0.6 +/- 0.1   | c2   | 0.6 +/- 0.1     |
| c3   | 1.0 +/- 0.2     | e1   | 0.3 +/- 0.1   | e2   | 0.3 +/- 0.1     |
| e3   | 0.35 +/- 0.1    | e4   | 0.4 +/- 0.1   | e5   | 0.4 +/- 0.1     |
| m1   | 0.3 +/- 0.1     | m2   | 0.3 +/- 0.1   | L1   | 6.55 +/- 0.30   |

# . Antenna Dimensions



| L         | W        | H       | G       | F       | S       | I       | J         | K       | M       | N       |
|-----------|----------|---------|---------|---------|---------|---------|-----------|---------|---------|---------|
| Length    | Width    | Height  | Ground  | Feed    | Solder  |         |           |         |         |         |
| 12.8 ±0.3 | 3.6 ±0.2 | 3.3±0.2 | 1.2±0.1 | 1.2±0.1 | 1.2±0.1 | 3.0±0.1 | 0.65±0.25 | 1.0±0.1 | 6.9±0.2 | 0.3±0.1 |

Dimensions in millimeters