

## Zebra clean, Plating PCB and compression ratio

### 1, What kind of method used to clean dust in zebra?

Two methods:

- Wiped gently with anhydrous alcohol and use after dry (our company use this method)
- Use non-degumming single-sided tape to clear dust (it is also a common method).

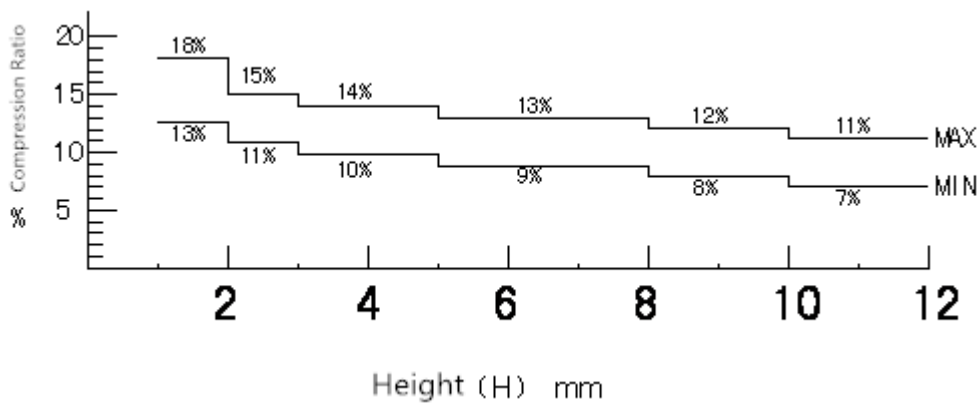
### 2, Plating PCB with Tin, Gold or Carbon?

- Gold-plated, the best , smooth surface and not easy to oxidation.
- Tin-plated: due to the spray procedure, it will have un-even surfaces, and dense oxide layer will be form on the surface which will cause higher resistance.
- Carbon-plated: no recommendation due to higher resistance.

### 3, How to design Zebra compression ratio?

High compressed ratio generally set at 10% ~ 15%: If below 10%, the impedance value will be higher; If above 15%, it will easily cause deformation or even broken.

#### High Compressed Ratio Min/Max chart:



E.g. height of the PCB and the LCD after compression is 5.0 mm, from above chart, appropriate compression ratio is between Min9% to Max13%, and the median is 11.2%.