

## Engineering Change Notice (ECN)

### Change Description:

The purpose of this ECN is to notify the changes made to the shielding cover found on Gms-u1LP. We have modified the appearances of shielding cover to lessen the effects of external interferences which might negatively impact the performance of GPS module. Also, through this modification, we have accomplished in strengthening the reliability of the entire module, especially the area between the PCBA board and the shielding cover.

### Results:

Other than the changes to the physical appearance of shielding, the performance of GPS module remains the same as before.

### Differences (Changes)

#### 1. Shielding cover appearance:

The major differences in the physical appearance of the old and the new model are the narrowing of gap between shielding and PCBA, as well as the two new shielding supports that lengthen to the PCBA stamp holes.

- Gap on the four sides

Old

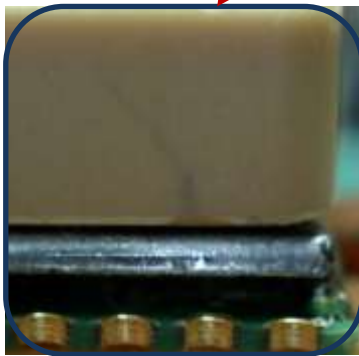


New



- Two extra shielding supports that lengthen to the PCBA stamp holes

Old

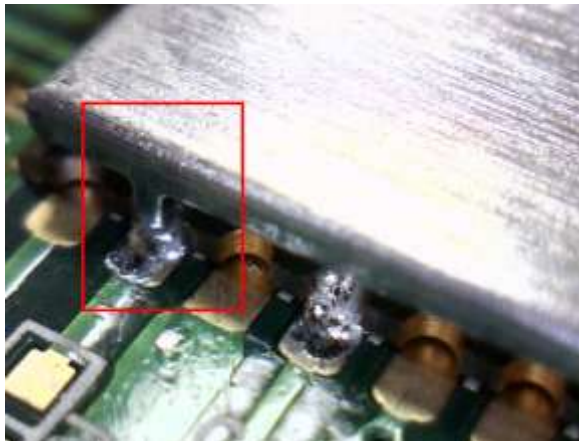


New

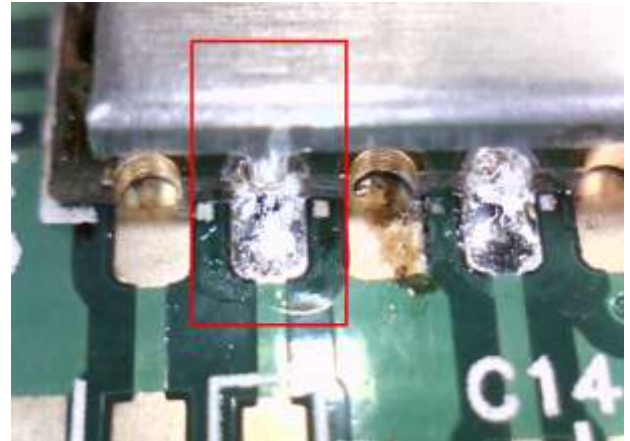


## 2. Shielding cover support when covered with solder:

When tested internally in GlobalTop Lab, the performance of the GPS module was unaffected whether or not if the two lengthened shielding supports are covered with solder. The picture below shows acceptable amount of solder covered.



No Solder



Covered with Solder