

**Similarities and Differences  
between ISL38001M and ISL38601M  
(Both models with FCC ID: OSZ38001)**

**1--Similarities are:**

a. ISL38601M has the same printed wiring board (PWB) design as the ISL38001M from the standpoint of electrical interconnect, component layout, etc.

**2--The differences are:**

a. The PWB stackup definition has changed from (core/prepreg/prepreg/prepreg/core) to (core/prepreg/core/prepreg/core) in order to reduce fabrication costs. No traces, ground planes, or interconnecting vias have changed.

b. The silk screen indicating ISL38601M w/ appropriate REV level vs ISL38001M w/ appropriate REV level.

c. ISL38001M makes use of the ISL3686A ZIF radio chip. ISL38601M also uses this ISL3686A ZIF radio chip, but can also be fitted with ISL3686B ZIF instead as a drop-in replacement (ISL3686A will be phased out). Both ISL3686A and ISL3686B have identical form factor, pin out, function and performance. The difference between these two is internally on physical chip construction level (completely different chip mask set).

d. ISL38001M makes use of the ISL3880A ARM Baseband processor MAC chip, while ISL38601M uses the ISL3886 ARM Baseband processor MAC chip. This ISL3886 chip has additional Software MAC capabilities.

e. Consequently, since ISL38601M has a unique part number it has a separate data base comprised of the schematics, layout (gerbers), BOM and mechanical assembly drawing.