

# Apple iPhone 10 processor board top view 5146

- Red - Toshiba TSB3234X68354TWNA1 64 GB flash memory;
  - Orange - Apple / Cirrus Logic 338S00296 audio amplifier
- Apple iPhone 10 processor board bottom view  
5145

- Red - Apple APL1W72 A11 Bionic SoC layered over SK Hynix H9HKNNNDBMAUUR 3 GB LPDDR4x RAM;
  - Orange - Apple 338S00341-B1 power management IC;
  - Yellow - TI 78AVZ81 battery charger;
  - Green - NXP 1612A1-Likely an iteration of the 1610 tristar IC;
  - Blue - Apple 338S00248 audio codec;
  - Blue - STB600B0;
  - Purple - Apple 338S00306 power management IC
- Mainboard Apple iPhone 10 top view  
5147

- Red - Apple / Murata USI 170821 339S00397 WiFi / Bluetooth module;
- Orange - Qualcomm WTR5975 gigabit LTE transceiver;
- Yellow - Qualcomm MDM9655 Snapdragon X16 LTE modem and PMD9655 PMIC. But Apple is dual-sourcing the modem, and TechInsights found an Intel XMM7480 (PMB9948) in their A1901 model. Even though the modem is capable of it, Apple is not supporting Gigabit speeds with the Qualcomm part;
- Green - Skyworks 78140-22 power amplifier, SKY77366-17 power amplifier, S770 6662, 3760 5418 1736;
- Blue - Broadcom BCM59355 wireless charging controller;
- Blue - NXP 80V18 PN80V NFC controller module;
- Violet - Broadcom AFEM-8072, MMMB power amplifier module

Schematic diagram and arrangement of elements of the phone Apple iPhone X (10)  
Intel Edition

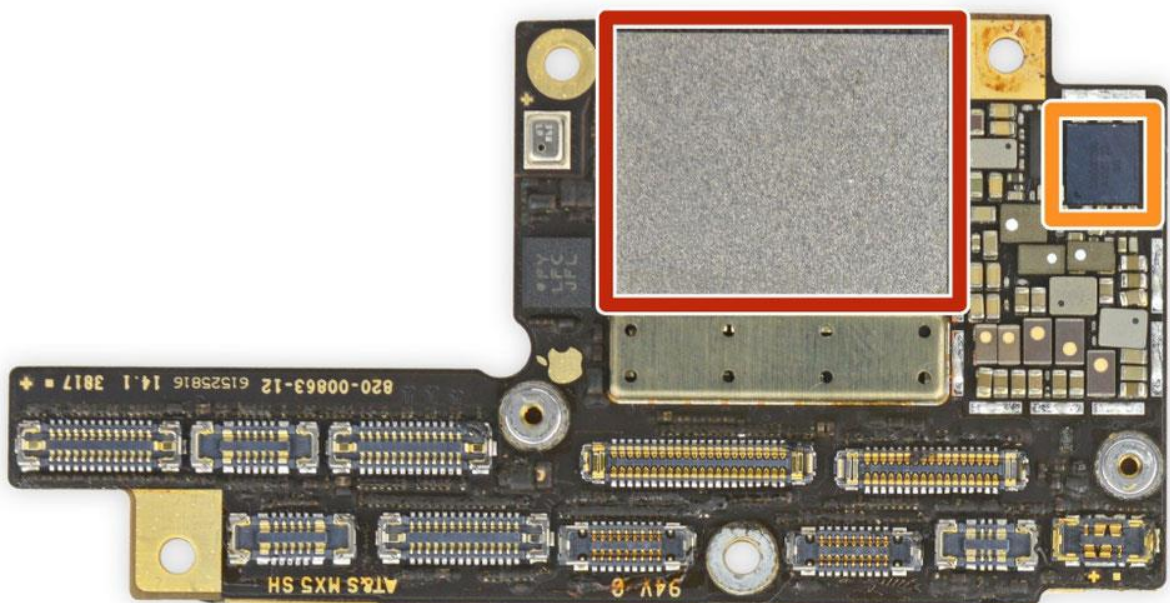
Schematic diagram: 051-02221 + 051-02247

Motherboard revision: 820-00863-09 + 820-00869-06

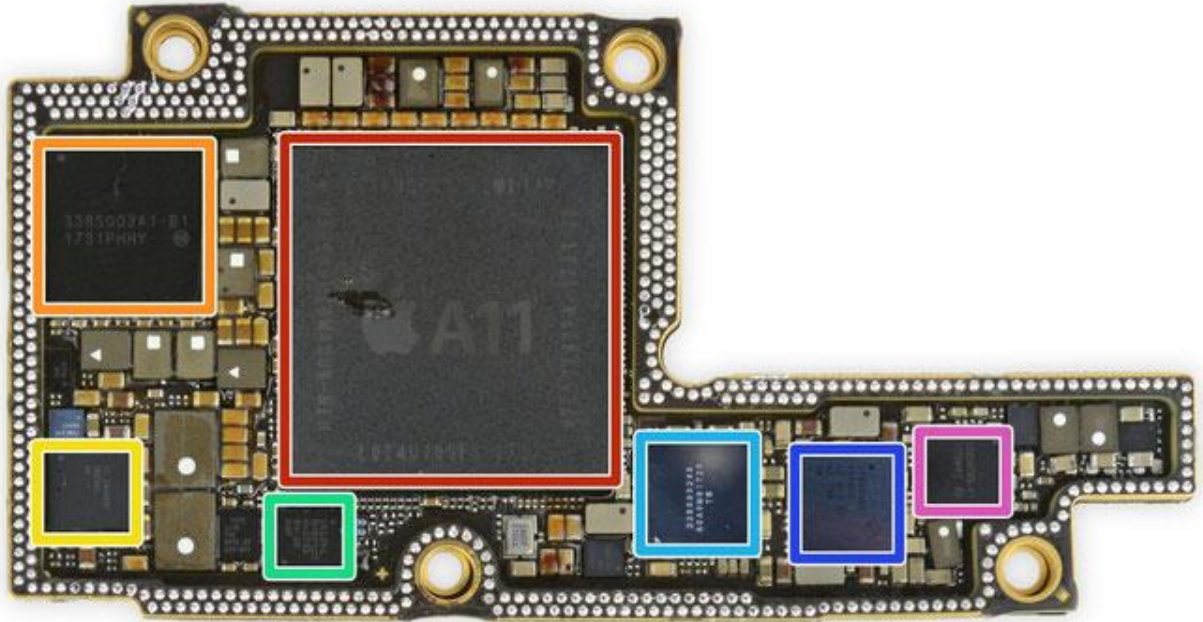
Qualcomm Edition

Schematic diagram: 051-02221 + 051-02222

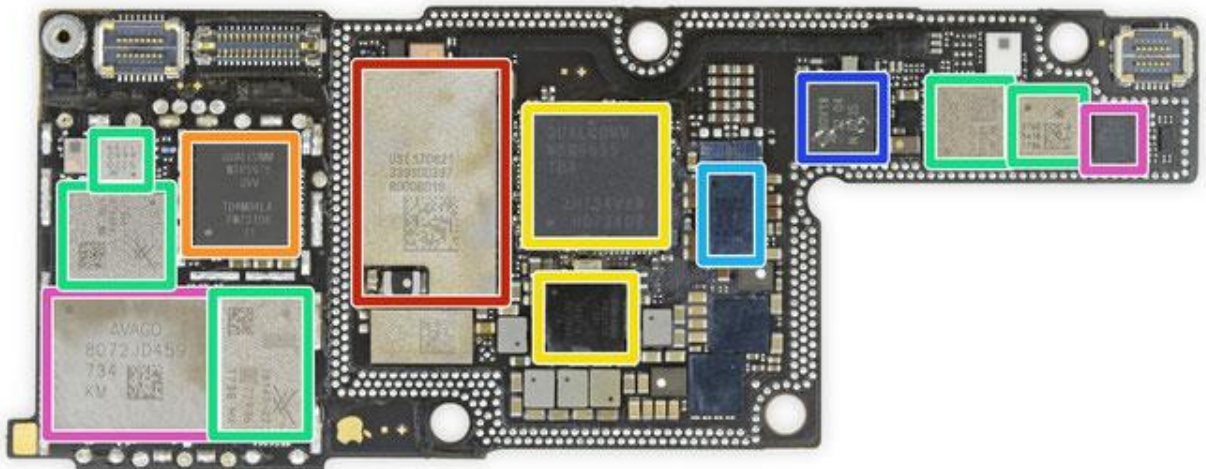
Motherboard revision: 820-00863-09 + 820-00864-06



- Red - Toshiba TSB3234X68354TWNA1 64 GB flash memory;
- Orange - Apple / Cirrus Logic 338S00296 audio amplifier



- Red - Apple APL1W72 A11 Bionic SoC layered over SK Hynix H9HKNNDBMAUUR 3 GB LPDDR4x RAM;
- Orange - Apple 338S00341-B1 power management IC;
- Yellow - TI 78AVZ81 battery charger;
- Green - NXP 1612A1-Likely an iteration of the 1610 tristar IC;
- Blue - Apple 338S00248 audio codec;
- Blue - STB600B0;
- Purple - Apple 338S00306 power management IC



- Red - Apple / Murata USI 170821 339S00397 WiFi / Bluetooth module;
- Orange - Qualcomm WTR5975 gigabit LTE transceiver;
- Yellow - Qualcomm MDM9655 Snapdragon X16 LTE modem and PMD9655 PMIC. But Apple is dual-sourcing the modem, and TechInsights found an Intel XMM7480 (PMB9948) in their A1901 model. Even though the modem is capable of it, Apple is not supporting Gigabit speeds with the Qualcomm part;
- Green - Skyworks 78140-22 power amplifier, SKY77366-17 power amplifier, S770 6662, 3760 5418 1736;
- Blue - Broadcom BCM59355 wireless charging controller;
- Blue - NXP 80V18 PN80V NFC controller module;
- Violet - Broadcom AFEM-8072, MMB power amplifier module

#### Thumbnails

