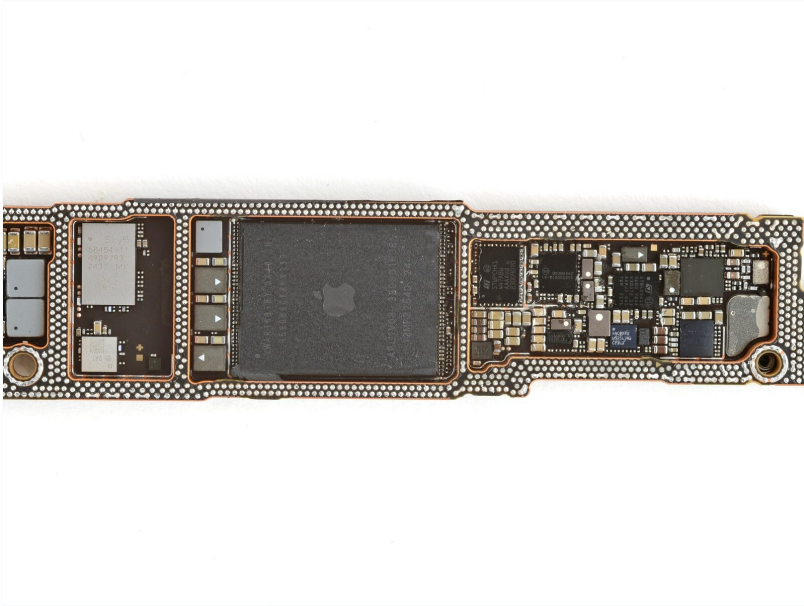




iPhone 16e Chip ID

These board shots are taken using a US iPhone...

Written By: Arthur Shi



INTRODUCTION

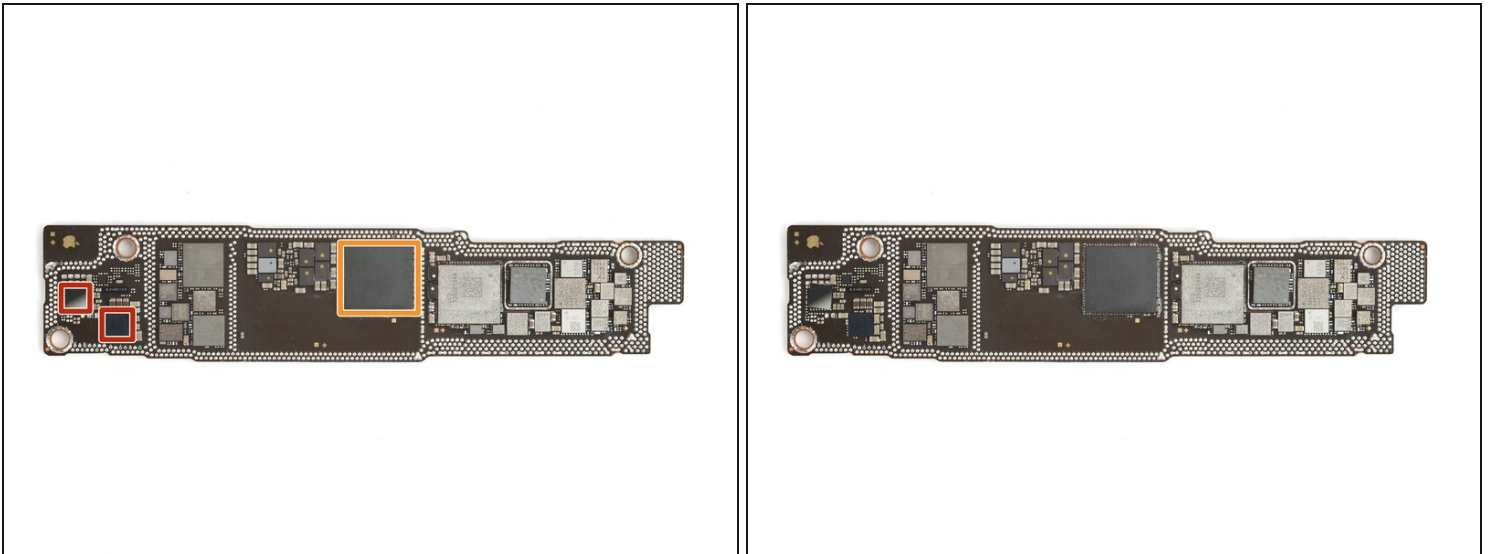
These board shots are taken using a US iPhone 16e.

Check out our [iPhone 16e teardown](#) for more details.

Special thanks to our community member [Chunglin Chin](#) for contributing to this!

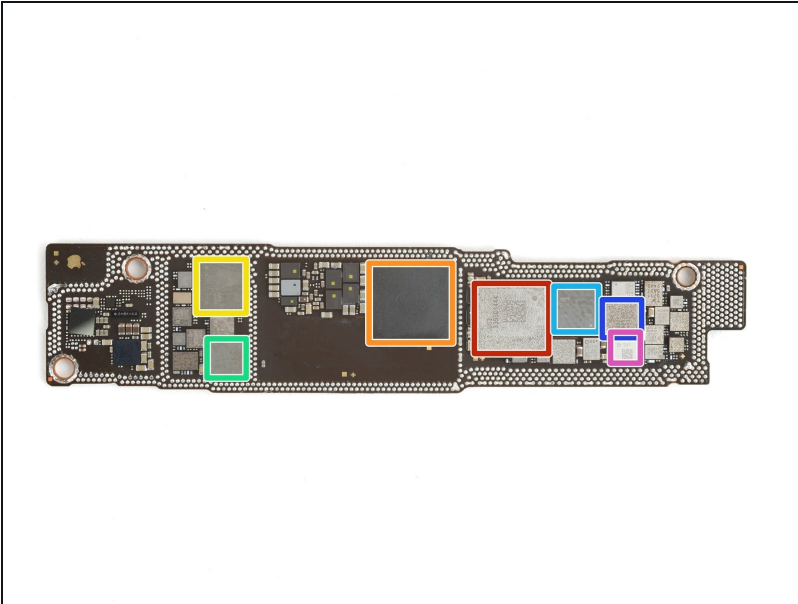
[video: https://youtu.be/dO_0FRZ_WTg?feature=shared]

Step 1 — RF Board Bottom



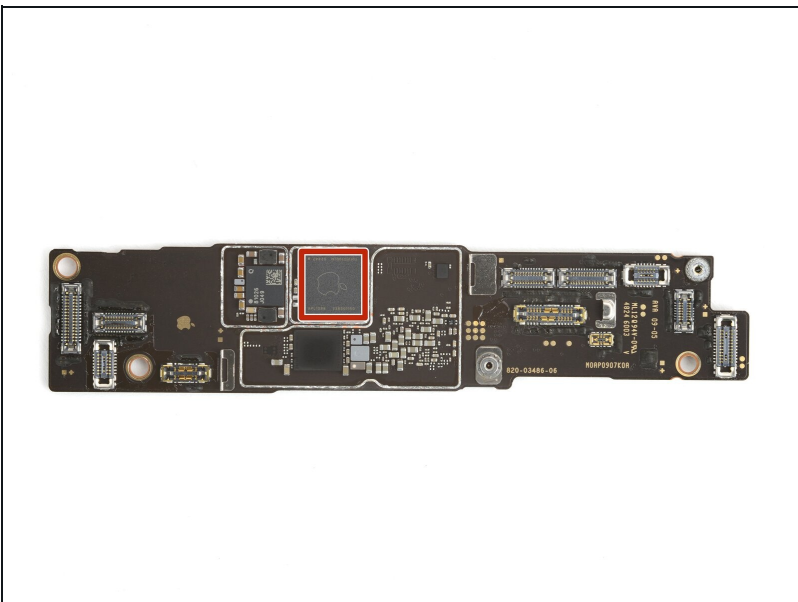
- Cirrus Logic 338S00537 audio amplifier

Step 2 — RF Board Bottom - Connectivity



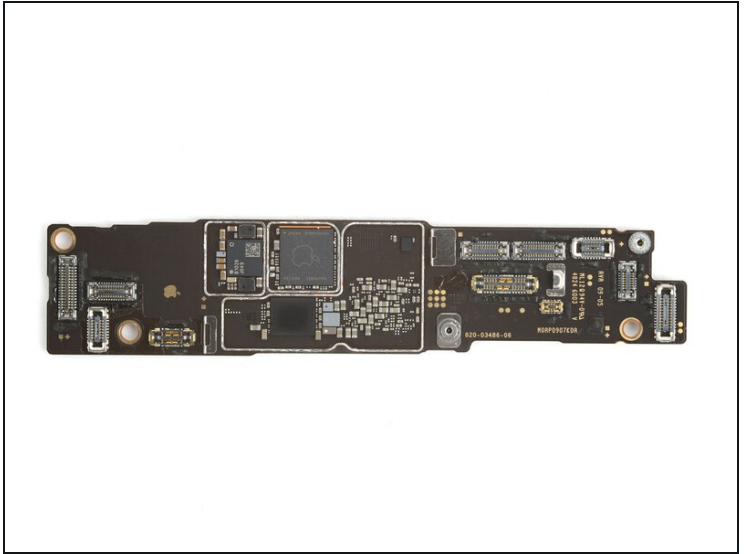
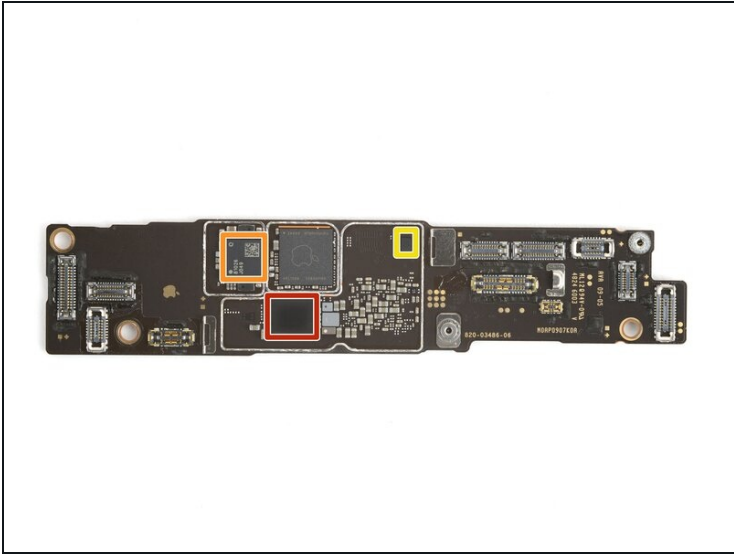
- USI 339S01444 WiFi and Bluetooth module
- Apple APL1114/337S07030 ? C1 5G modem
- Broadcom AFEM-8254 front-end module
- Broadcom AFEM-8255 front-end module
- Broadcom AFEM-8264 front-end module
- Skyworks SKY53921-16 front-end module
- Murata front-end module

Step 3 — RF Board Top - Connectivity



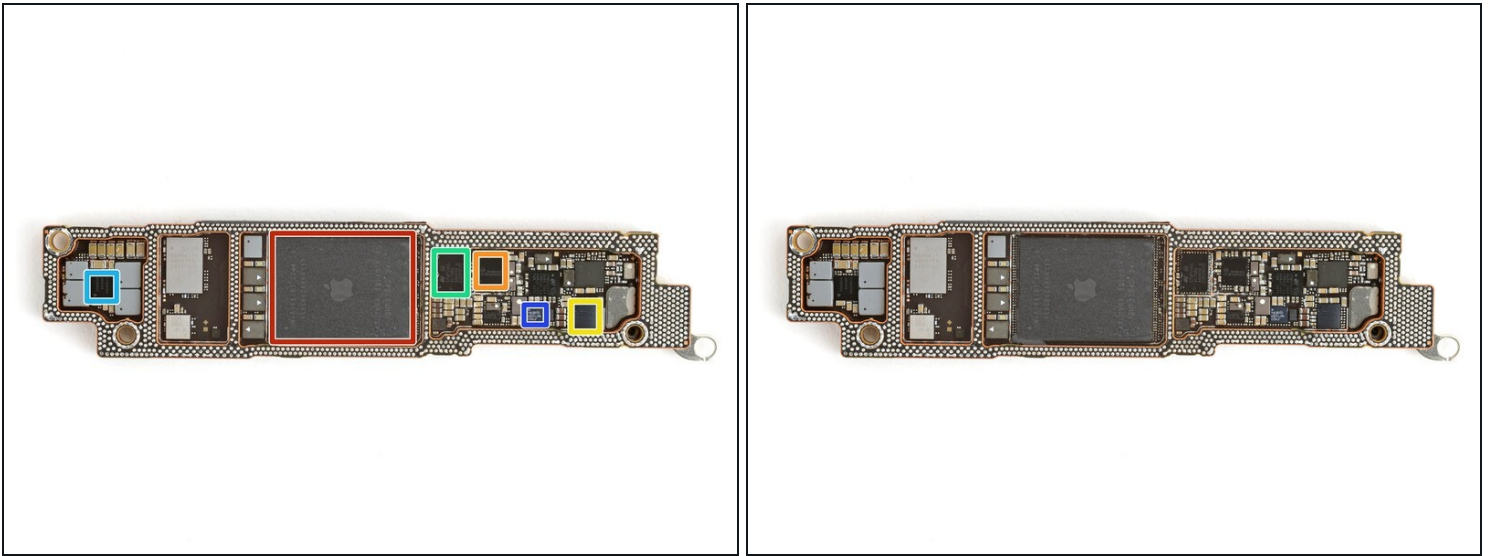
- Apple APL1088/338S01150 RF transceiver

Step 4 — RF Board Top



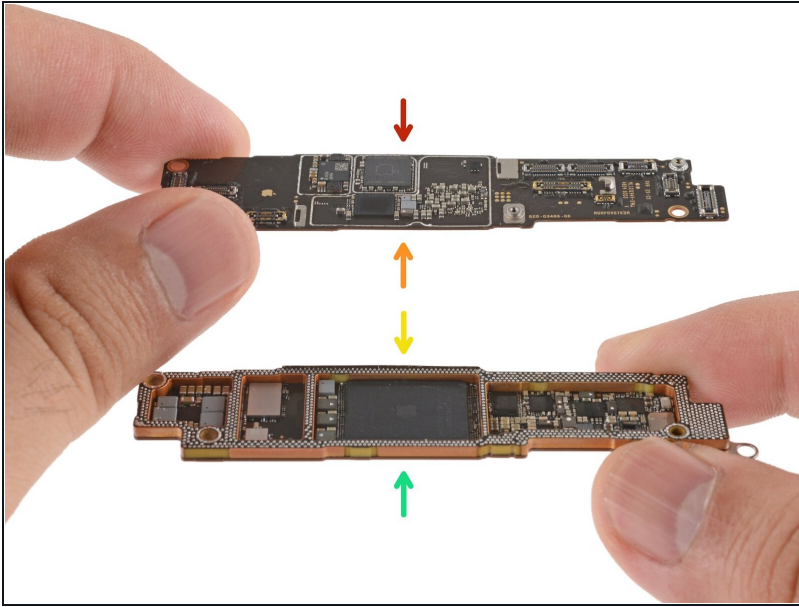
- Apple APL1034/338S01180 power management
- Qorvo QM81026 envelope tracker
- SiTime programmable MEMS oscillator

Step 5 — Main Board Top



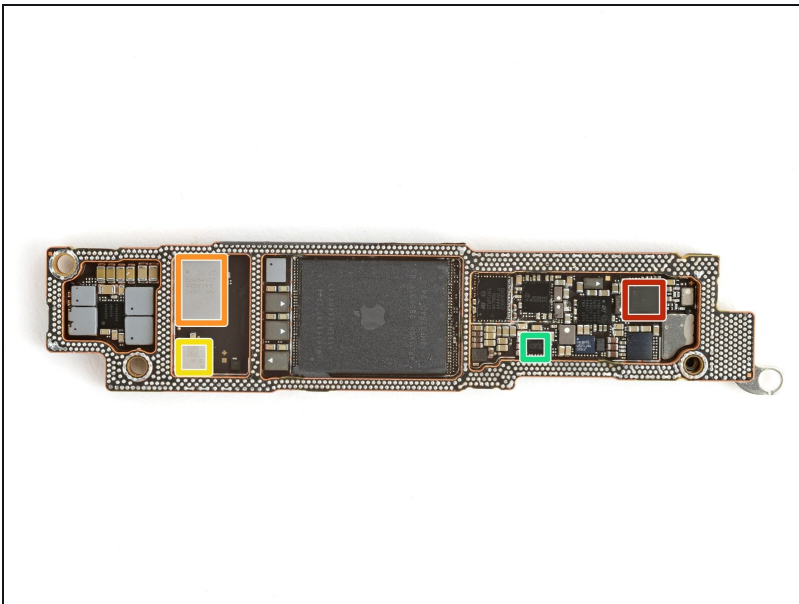
- Apple APL1V08/339S01608 A18 applications processor w/ GPU layered under a SK hynix H58G66CK8HX139 8 GB LPDDR5X SDRAM memory
- Renesas PMIC
- Cirrus Logic 338S00537 audio amplifier
- STMicroelectronics STWPCHA1 wireless charging controller
- Samsung S2DOS24 OLED display power supply
- Texas Instruments LM3567A1 flash LED driver

Step 6 — Logic board overview



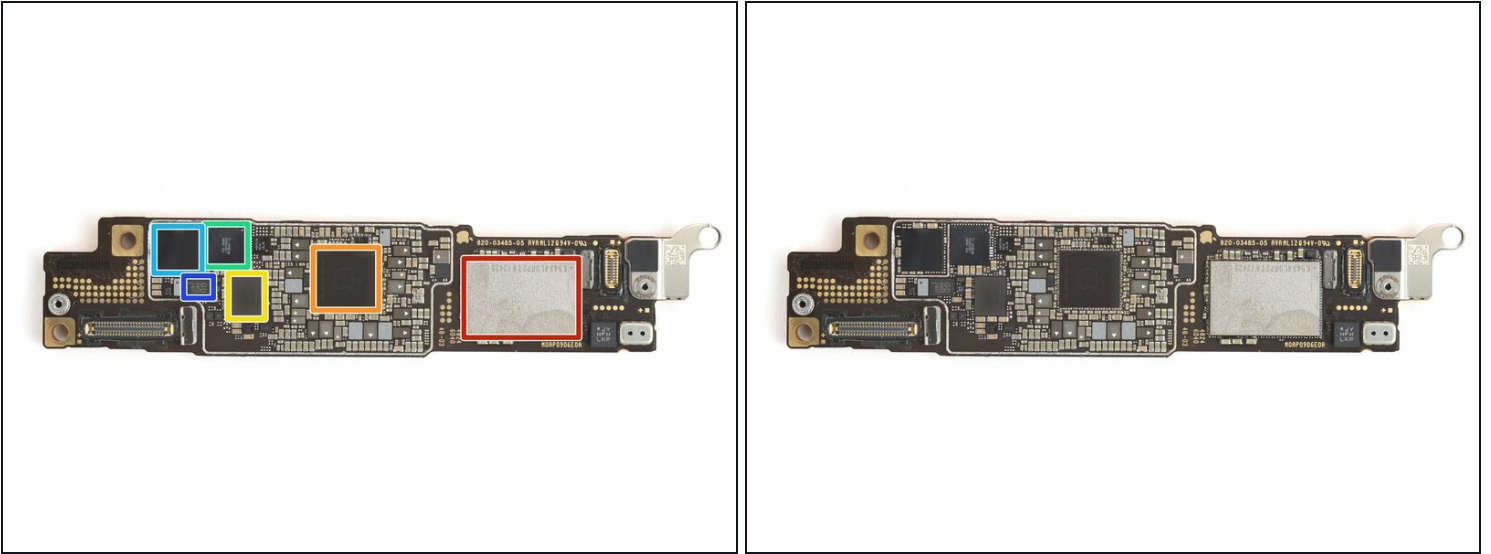
- [RF board top](#)
- [RF board bottom](#)
- [Main board top](#)
- [Main board bottom](#)

Step 7 — Main Board Top - Connectivity



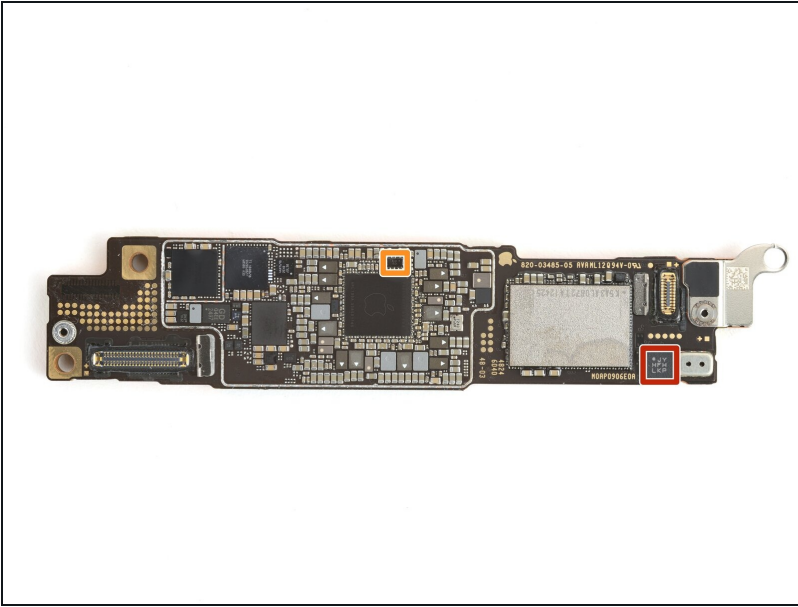
- NXP Semiconductor SN300 NFC controller w/ eSIM & secure element
- Skyworks SKY58454-11 front-end module
- Murata front-end module
- Renesas backlight driver

Step 8 — Main Board Bottom



- Kioxia K5A3AL0872 128 GB NAND flash memory
- Apple APL109A/338S01165 power management
- Renesas PMIC
- Likely Texas Instruments SN2012027 USB type-C controller
- Cirrus Logic 338S00739 audio codec
- GigaDevice [GD25Q80E](#) 1 MB serial NOR flash memory

Step 9 — Main Board Bottom - Sensors



- Bosch Sensortec accelerometer & gyroscope
- SiTime programmable MEMS oscillator