Samsung Galaxy S22 Chip ID

Chip ID for the Samsung Galaxy S22 smartphone.

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INTRODUCTION

Chip ID for the Samsung Galaxy S22 smartphone.

Many thanks to our community member CChin for his contributions!
IC Identification pt. 1:

- Qualcomm SM8450 Snapdragon 8 Gen 1 Octa-Core Processor layered under a Samsung K3LK7K70BM-BGCP 8 GB Mobile LPDDR5 SDRAM Memory
- Samsung KLUDG4UHDC-B0E1 128 GB NAND Flash Memory (UFS 3.1)
- Maxim MAX77705C Power Management
- Qualcomm PM3003 Power Management
- Silicon Mitus SM3010 Power Management
- Knowles MEMS Microphone
Step 2

- IC Identification pt. 2:
  - NXP Semiconductor SN220U NFC Controller w/ Secure Element
  - Qualcomm SMR546 RF Transceiver
  - NXP Semiconductor BGU8103 GPS / GLONASS / Galileo / BeiDou Low Noise Amplifier
  - Qualcomm 1G2W5 ? Front End Module (Likely)
  - Murata 451 ? Antenna Switch Module (Likely)
  - Infineon BGSA20UGL8 Dual SPST Antenna Aperture Shunt Switch
Step 3

- IC Identification pt. 3 (sensors):
  - Austria Microelectronics Ambient Light/Color/Gesture/Proximity Sensor
Step 4 — Main Board Side 2

- IC Identification pt. 1:
  - Cirrus Logic CS35L40 Audio Amplifier
  - Cirrus Logic CS40L26 Haptic Driver
  - Renesas P9320S Wireless Power Transceiver
  - Qualcomm PM8350 Power Management
  - Qualcomm PMR735A Power Management
  - Vishay DG2730 2-Port DPDT Analog Switch
  - Goertek MEMS Microphone
Step 5

- IC Identification pt. 2:
  - Qualcomm PM8350C Power Management
  - Samsung S2MPB02 Power Management
  - Qualcomm PM8450 Power Management
  - Qualcomm Clock Generator
Step 6

- **IC Identification pt. 3:**
  - Qualcomm SDR735 RF Transceiver
  - Qualcomm QPM6815 Front-End Module
  - Qualcomm QPM6810 Front-End Module
  - Qualcomm QDM3572 Antenna Switch Module
  - Qualcomm WCN6856 WiFi 6/6E & Bluetooth 5.3
  - Qorvo QM45391 Front-End Module
  - Infineon BGSX22G5A10 DPDT Antenna Cross Switch
To reassemble your device, follow these instructions in reverse order.

- IC Identification pt. 4 (sensors):
  - STMicroelectronics 6-Axis Accelerometer & Gyroscope
  - STMicroelectronics Pressure Sensor
  - AKM Semiconductor 3-Axis Electronic Compass