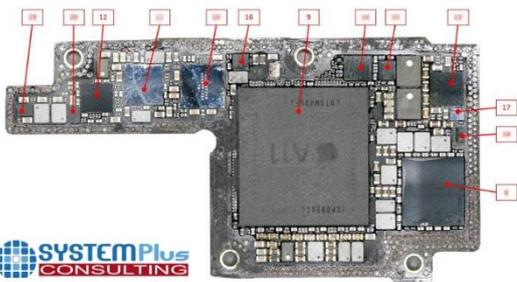


Structure Analysis Apple iPhone X Teardown and Identification of Key Components

Discover Apple's key devices, advanced packaging technical choices and main suppliers



#	Manufacturer	Reference	Device Type/Function	Package Type	Pin Nb	Package Size	Package/Die Size [mm ²]	Package Thickness [mm]
8	Apple	A1000000000	Power Management	WLP	100	7.25mm x 6.48mm x 0.49mm	47.0	0.49
9	Apple	A000000000	Processor	WLP	8200	10.25mm x 10.25mm x 0.81mm	105.0	0.81
10	SiTime	SI505B0100	Radio/Frequency	WLP	121	4.29mm x 4.07mm x 0.35mm	17.5	0.32
11	Apple	A000000000	Power Management	WLP	80	4.29mm x 4.07mm x 0.35mm	17.5	0.35
12	Apple	A000000000	Power Management	WLP	80	4.29mm x 4.07mm x 0.35mm	17.5	0.36
13	Texas Instruments	TPS63701	Battery Charger	WLP	64	3.20mm x 3.20mm x 0.35mm	10.2	0.35
14	Apple	A000000000	Microcontroller	WLP	56	3.20mm x 3.20mm x 0.35mm	10.2	0.35
15	Apple	A000000000	Microcontroller	WLP	56	3.20mm x 3.20mm x 0.35mm	10.2	0.35
16	Texas Instruments	TPS63701	Battery Charger	WLP	64	3.20mm x 3.20mm x 0.35mm	10.2	0.35
17	SiTime	SI505B0100	(Power)	WLP	9	1.40mm x 1.40mm x 0.35mm	1.9	0.35
18	SiTime	SI505B0100	(Power)	WLP	9	1.40mm x 1.40mm x 0.35mm	1.9	0.35

Title: Apple iPhone X Teardown
Pages: 40+
Date: May 2018
Format: PDF & Excel file
Price: EUR 1,490

COMPLETE TEARDOWN WITH:

- Smartphone teardown
- IC identification including markings, manufacturer, reference, function, package type, size and pin count
- PCB characteristics including cross-section and minimum line width
- Component supplier, package and footprint breakdown graphs

TABLE OF CONTENT

- Overview/Introduction
- Executive Summary
- Physical Analysis
 - ✓ Views and dimensions of the iPhone X
 - ✓ iPhone X teardown
 - ✓ Electronic board high definition photos
 - ✓ Main component markings and package type, dimensions, pitch, pin count and identification
 - ✓ PCB surface, cross section and minimum line width
 - ✓ IC package breakdown
 - ✓ IC manufacturer design wins
 - ✓ IC package footprint

Through a teardown of the Apple iPhone X, this report details more than 50 integrated circuit (IC) devices from the main boards.

It will help you to identify the manufacturer, packaging, including the size, type, and pitch, and function of the iPhone X's main ICs. A physical analysis of the main substrates highlights internal structures and technologies used for the printed circuit boards (PCBs).

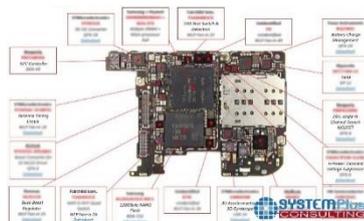
The report includes teardown photos, detailed package identification and descriptions and is supplied with an Excel file summarizing the iPhone X's chipset and breakdowns by supplier, package or footprint.

AUTHOR:



Audrey Lahrach
Audrey is in charge of costing analyses for ICs, LCD and OLED displays and sensor devices. She holds a master's degree in micro-electronics from the University of Nantes.

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