

Cocoaheads

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iPhone 8 Leaks

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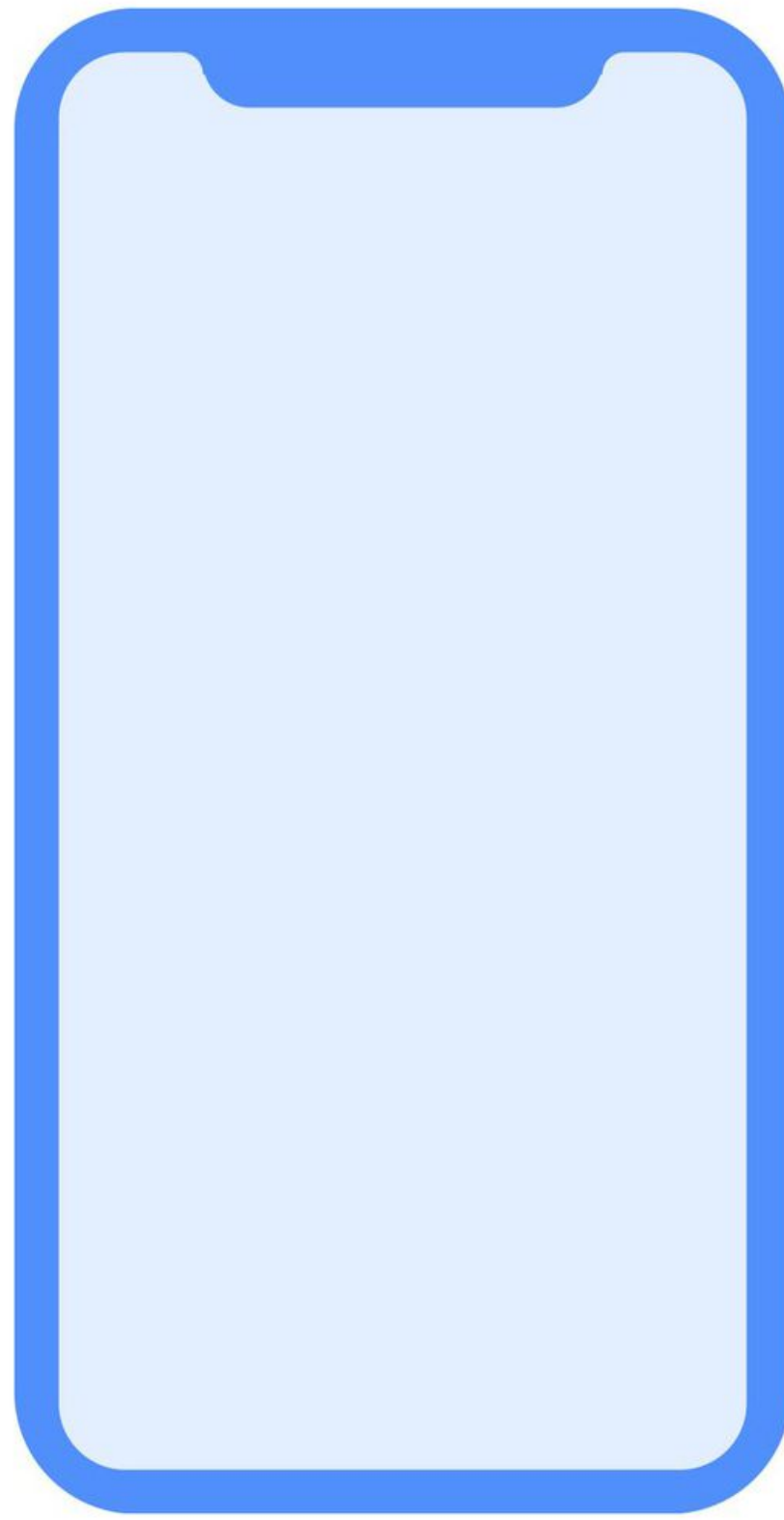
/LEAKS Leakspinner
[slashleaks.com/u/leakspinner](https://leakspinnerslashleaks.com/u/leakspinner)

🐦 @ZEALER中国

HomePod Specs

- 1GB Ram
- 272 x 340 Screen

HomePod Firmware Leak



No home button

Less top and bottom Bezel

Top Notch



Steve T-S  @stroughtonsmith · 3h



UIStatusBar has been redone with a new visual provider system, one of the options being 'split' (presumably for iPhone 8 camera notch)



3



18



54



Steve T-S  @stroughtonsmith · 3h



The new status bar seems a lot more complex and powerful in design, maybe even interactive 🤔



6



9



33



Steve T-S Retweeted



Jeffrey Grossman @Jeffrey903 · 4h

Replying to @stroughtonsmith

Some interesting related strings (I'm guessing you've come across these)

```
com.apple.UIKit.StatusBarForceSplit
StatusBarForceSplit
__UIStatusBarSplitBottomCutoutRadius
__UIStatusBarSplitTopCornerRadius
__UIStatusBarSplitTopCutoutHeight
__UIStatusBarSplitTopCutoutRadius
__UIStatusBarSplitTopRegionsWidth
+[_UIStatusBar forceSplit]
+[_UIStatusBar setForceSplit:]
_OBJC_CLASS_$_UIStatusBarActivityItem_Split
_OBJC_CLASS_$_UIStatusBarVisualProvider_Split
__UIStatusBarForceSplit
```

1

8

12



BiometricKit

- Facial Recognition using infrared camera (will work in the dark)



com.apple.dyld — -bash — 73x53

```
[1-iMac-27:com.apple.dyld steven$ strings dyld_shared_cache_arm64 | grep -i pearlid
PearlID_Equalizer
PearlID_Reverb
isPearlIDCapable
pearlIDCapable
TB,R,N,GisPearlIDCapable
PearlID-D22
deviceSupportsPearlID
biometric ID enabled, but neither touchID nor pearlid is enabled
Trying to delete note: biometric ID enabled, but neither touchID nor pearlid is enabled
deviceSupportsPearlID
pearlidIsEnrolled
pearlidFailurePrompt
+[ICDeviceSupport deviceSupportsPearlID]
+[ICPasswordUtilities deviceSupportsPearlID]
+[ICPasswordUtilities pearlidFailurePrompt]
+[ICPasswordUtilities pearlidIsEnrolled]
-[_SBUIBiometricKitInterface isPearlIDCapable]
___40+[ICDeviceSupport deviceSupportsPearlID]_block_invoke
_deviceSupportsPearlID.hasPearlID
_deviceSupportsPearlID.onceToken
1-iMac-27:com.apple.dyld steven$
```

New Facial Expression Detections

10 new facial expressions

10 new facial expressions

10 new facial expressions

10 new facial expressions

10 new facial expressions

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10 new facial expressions

- mouthClose
- mouthUpperUp_L
- mouthUpperUp_R
- mouthLowerDown_L
- mouthLowerDown_R
- mouthRollUpper
- mouthRollLower
- mouthSmile_L
- mouthSmile_R
- mouthDimple_L
- mouthDimple_R
- mouthStretch_L
- mouthStretch_R
- mouthFrown_L
- mouthFrown_R
- mouthPress_L
- mouthPress_R
- mouthPucker
- mouthFunnel
- mouthLeft
- mouthRight
- mouthShrugLower
- mouthShrugUpper
- MouthPress_L
- MouthPress_R
- MouthRightCorner

76	January 7, 2016	Emotient	Facial recognition system	 United States	—	^[91] ^[92] ^[93]	iPhone, iPad, iPod, Mac computers
77	January 28, 2016	LearnSprout	Education insight	 United States	—	^[94]	—
78	January 29, 2016	Flyby Media	Augmented reality software	 United States	—	^[95]	ARkit
79	Feb 3, 2016	LegbaCore	Platform security	 United States	—	^[96]	Exposed firmware exploit in Apple computers. ^[96]
80	August 5, 2016	Turi	Machine learning	 United States	US\$200,000,000	^[97] ^[98] ^[99]	Xcode, Core ML
81	August 22, 2016	Glimpse	Personal health info collection company	 United States	—	^[100] ^[101] ^[102]	HealthKit, CareKit, ResearchKit
82	September 22, 2016	Tuplejump	Machine learning	 India	—	^[103] ^[104]	Siri, CoreML
83	December 1, 2016	Indoor.io	Indoor mapping and navigation	 Finland	—	^[105]	Maps
84	March 23, 2017	Workflow	Automation and scripting app	 United States	—	^[106] ^[107]	iOS
85	May 9, 2017	Beddit	Sleep tracking hardware	 Finland	—	^[108]	iOS
86	May 13, 2017	Lattice Data	Artificial intelligence	 United States	US\$200,000,000	^[109]	
87	June 16, 2017	SensoMotoric Instruments	Eye tracking hardware and software	 Germany	—	^[110]	ARkit

Apple TV 4K?

Item	Artist	Type
The Finest Hours (2016)	Craig Gillespie	Film (HD)
Passengers (2016)	Morten Tyldum	Movie (4K, HDR)
Saving Private Ryan	Steven Spielberg	Film (HD)

iPod Nano and Shuffles Discontinued

Speculation that apple will discontinue iTunes in favor of an
Apple Music for macOS

iOS Simulator Tips and Tricks

- Use Simulator in full-screen mode with Xcode
- Open multiple Simulators at once
- Resize like regular windows
- Others!

<https://medium.com/flawless-app-stories/simulator-on-steroids-c12774ca6b>

Some Reading..

- Vision Framework for Text Detection
- Friday Q&A - Swift.Codable
- Designing Better Touch Bar Experiences
- Swift Talk 59 Refactoring with Xcode 9
- Struct References
- iOS 11 - Avoiding the blue bar of shame
- iOS 11 - Privacy and single sign on

<http://www.appcoda.com/vision-framework-introduction>

<https://www.mikeash.com/pyblog/friday-qa-2017-07-14-swiftcodable.html>

<http://www.joecieplinski.com/blog/2017/07/18/designing-better-touch-bar-experiences>

<https://talk.objc.io/episodes/S01E59-refactoring-with-xcode-9>

<http://chris.eidhof.nl/post/references/>

<https://blog.set.gl/ios-11-location-permissions-and-avoiding-the-blue-bar-of-shame-1cee6cd93bbe>

<https://medium.com/the-traveled-ios-developers-guide/>

Apple Machine Learning Journal

machinelearning.apple.com