

NATIONAL TRANSPORTATION SAFETY BOARD

Vehicle Recorder Division
Washington, D.C. 20594

May 24, 2022

Personal Electronic Device (PED) No Data

Specialist's Factual Report
By Nick Swann

1. EVENT SUMMARY

Location: Attalla, AL
Date: December 12, 2020
Aircraft: Beechcraft V35A
Registration: N5470U
Operator: Private
NTSB Number: ERA21LA068

2. GROUP

A group was not convened.

3. DETAILS OF INVESTIGATION

The National Transportation Safety Board (NTSB) Vehicle Recorder Division received the following device:

Device Manufacturer/Model:	iPad Pro 11"
Serial Number:	DMPZN08MKD8P

3.1. PED Description

PEDs are a category of devices comprised primarily of portable computing devices and mobile phones. Portable computing devices are typically capable of internet access, email, messaging services, and can run user-installed applications to perform specific tasks. PED user and system data is typically stored on non-volatile memory and can be accessed through manufacturer-provided interfaces.¹

¹ Non-volatile memory is semiconductor memory that does not require external power for data retention.

3.2. Device Condition

Upon arrival at the Vehicle Recorder Laboratory, an examination revealed the unit had sustained significant impact damage. The memory board was extracted and is shown below in figure 1.

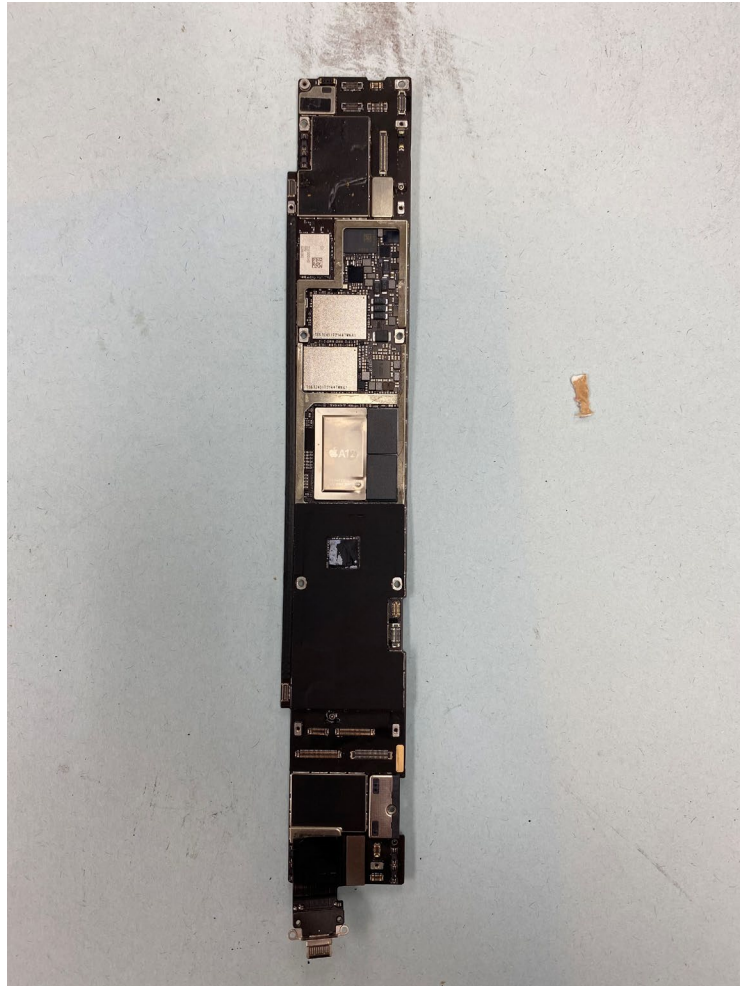


Figure 1. Photo of damaged memory board from iPad Pro 11 inch.

3.3. Data Description

A replacement screen was attached to the device; however, it would not boot. After that, the motherboard was removed, and a replacement battery was connected, and the device still would not boot. No further recovery effort was attempted.