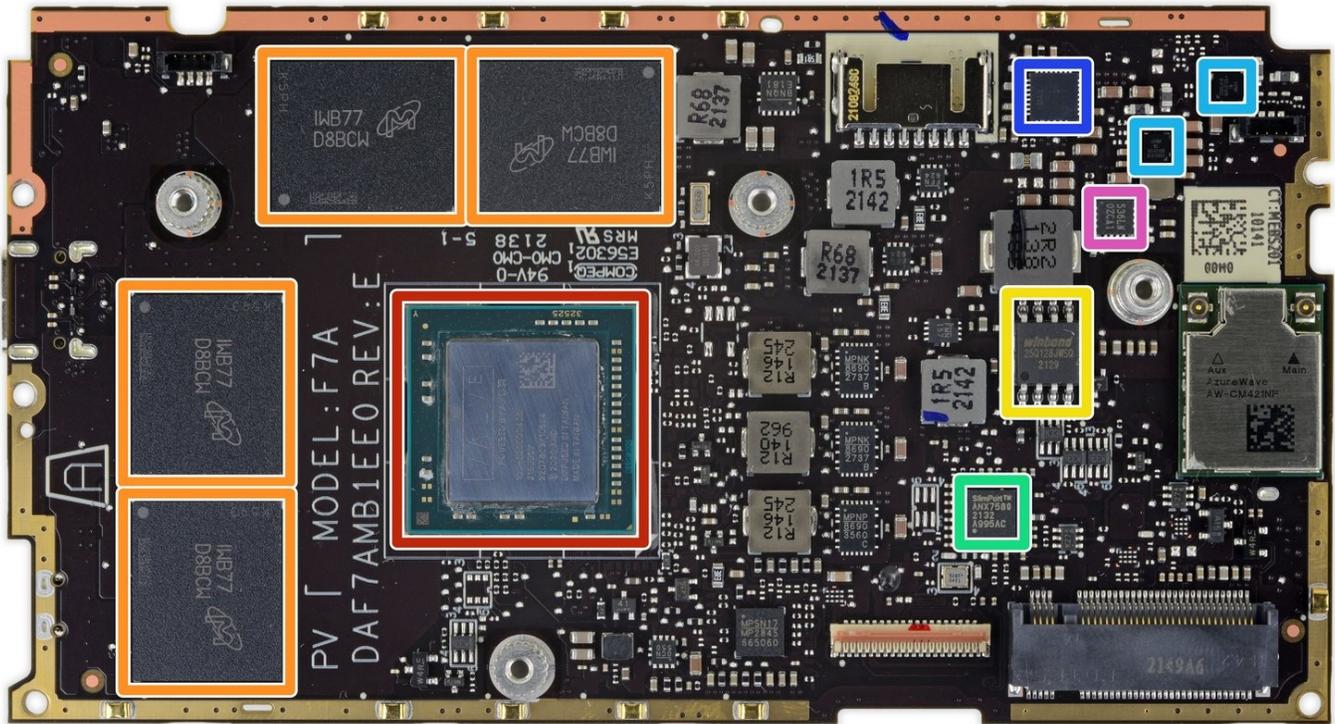


Steam Deck Chip ID

This guide contains a selection of photos and...

Written By: Arthur Shi



INTRODUCTION

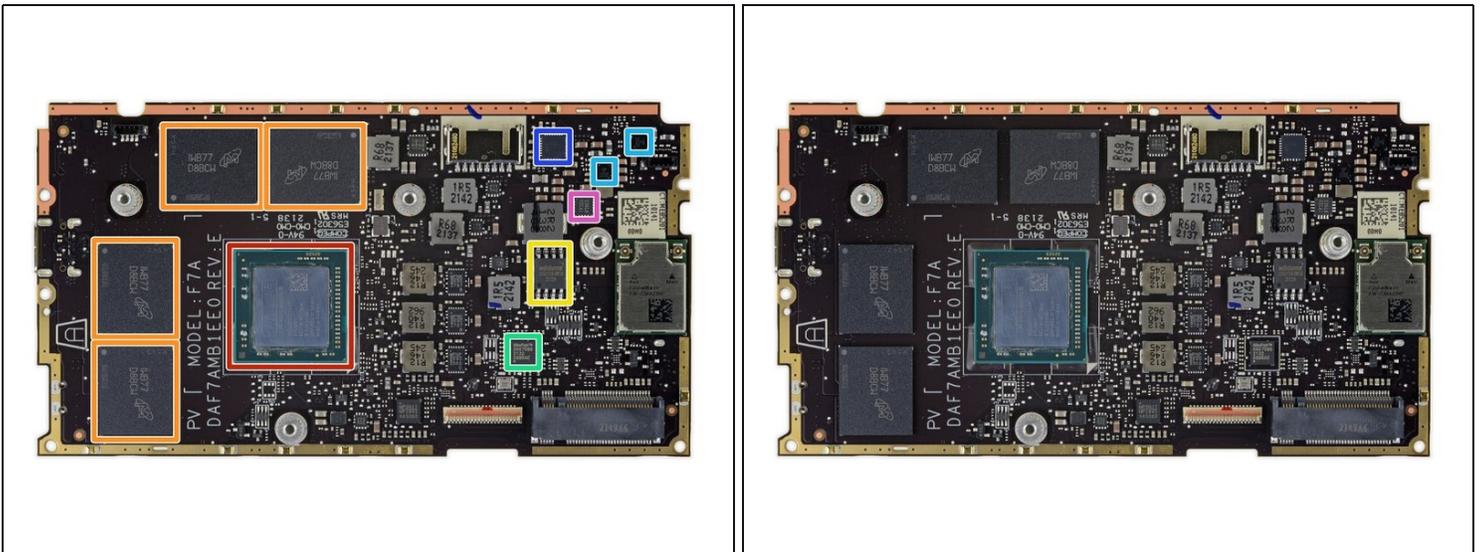
This guide contains a selection of photos and chip identification summary for the main board of Valve's Steam Deck.

Check out our [Steam Deck Teardown](#) for more details.

Special thanks to community member [CChin](#) for his contribution!

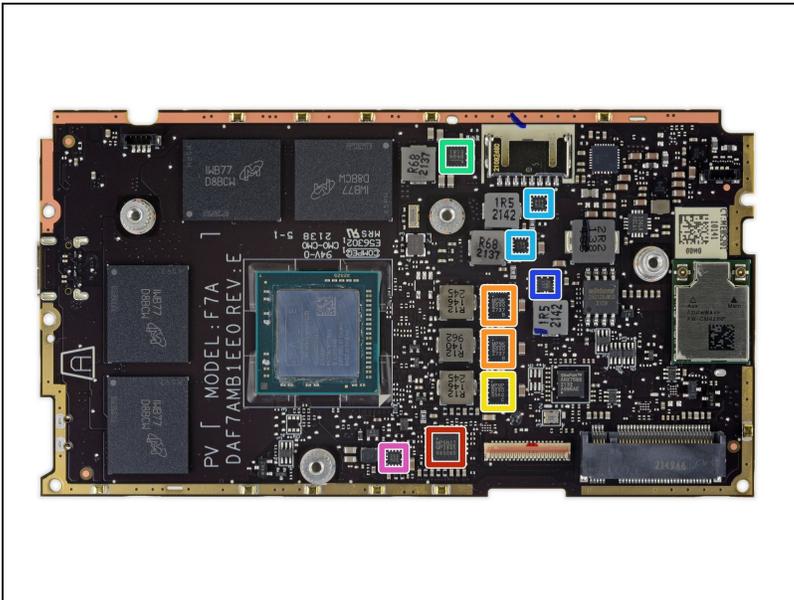
[video: <https://www.youtube.com/watch?v=4T0RZ6ustKQ>]

Step 1 — Side 1



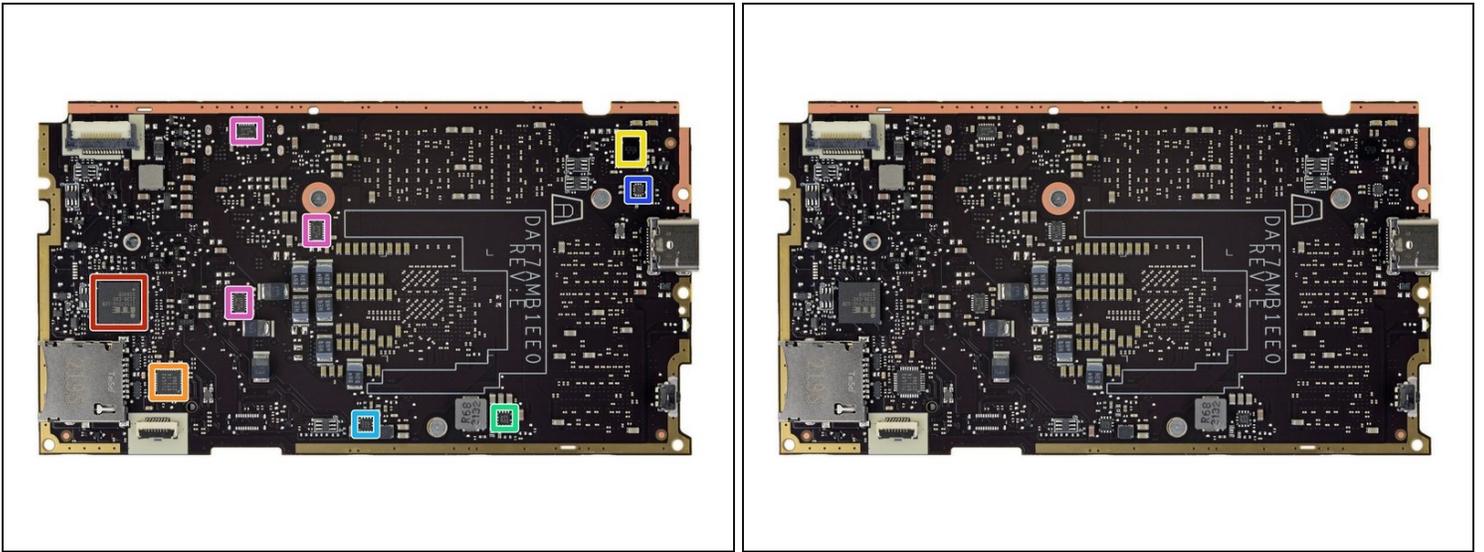
- IC Identification, Pt. 1:
 - AMD/Valve 100-00000405 Quad-Core Application Processor w/ GPU
 - Micron MT62F1G32D4DR-031 WT:B 4 GB LPDDR5 SDRAM Memory
 - Winbond [W25Q128JW](#) 16 MB Serial NOR FLASH Memory
 - Analogix [ANX7580](#) DisplayPort to Single MIPI Receiver
 - Cirrus Logic CS35L41B Audio Amplifier
 - Maxim Integrated [MAX77961](#) USB Type-C Li-Ion Battery Charger
 - O2Micro OZ536 Backlight LED Driver

Step 2



- IC Identification, Pt. 2:
 - Monolithic Power Systems [MP2845](#) Digital 6-Phase Controller
 - Monolithic Power Systems MP86902B 35 A Power Stage
 - Monolithic Power Systems MP86903C Power Stage
 - Likely Monolithic Power Systems NB688C [Synchronous Buck Converter](#)
 - Monolithic Power Systems NB691 Synchronous Buck Converter
 - Monolithic Power Systems NB690G Synchronous Buck Converter
 - Possibly Monolithic Power Systems NB591 Synchronous Buck Converter

Step 3 — Side 2



- IC Identification:
 - ITE Tech IT5570VG Embedded Controller (likely)
 - O2Micro OZ711 Card Reader Controller
 - Maxim Integrated [MAX77958](#) USB Type-C & USB Power Delivery Controller
 - Monolithic Power Systems NB691 Synchronous Buck Converter
 - Possibly Monolithic Power Systems NB591 Synchronous Buck Converter
 - Diodes Incorporated [PI3USB102](#) USB 2.0 SPDT Analog Switch
 - Texas Instruments [TPS22976](#) Load Switch

To reassemble your device, follow these instructions in reverse order.