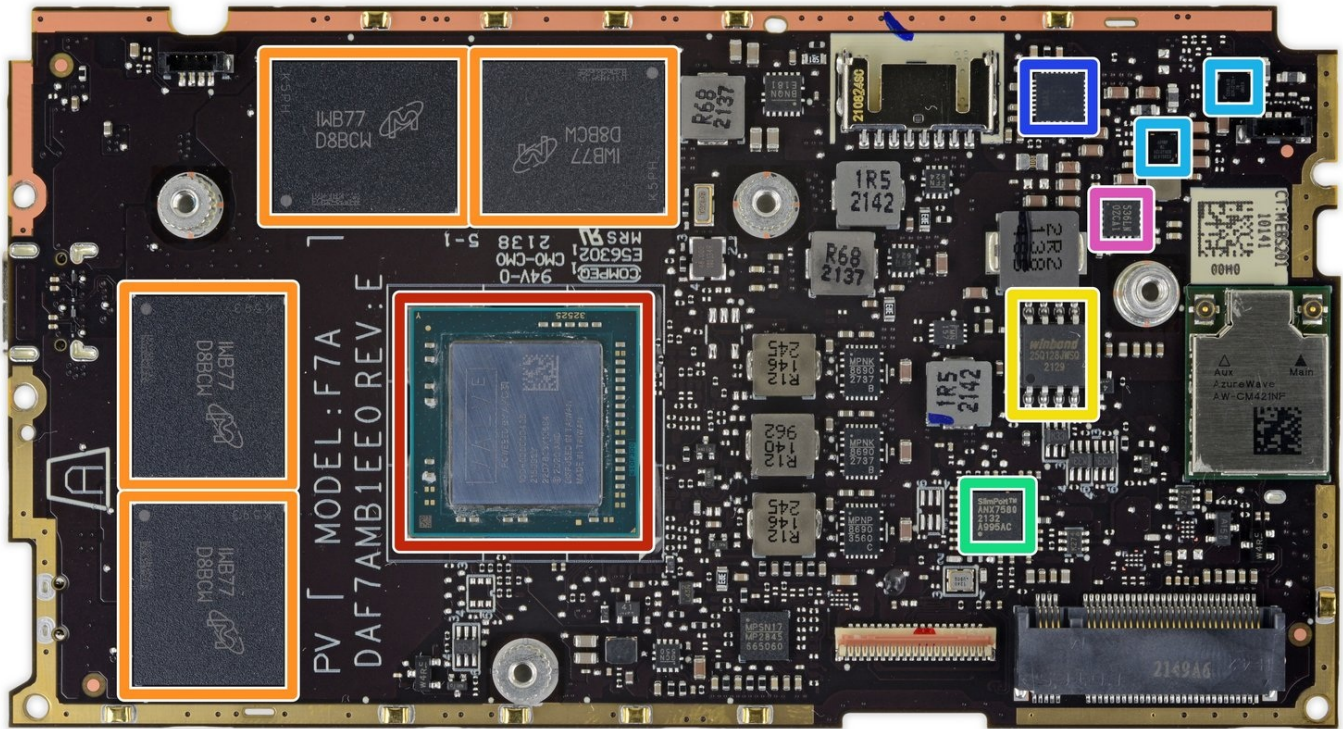




## Steam Deck Chip ID

This guide contains a selection of photos and...

Written By: Arthur Shi



# INTRODUCTION

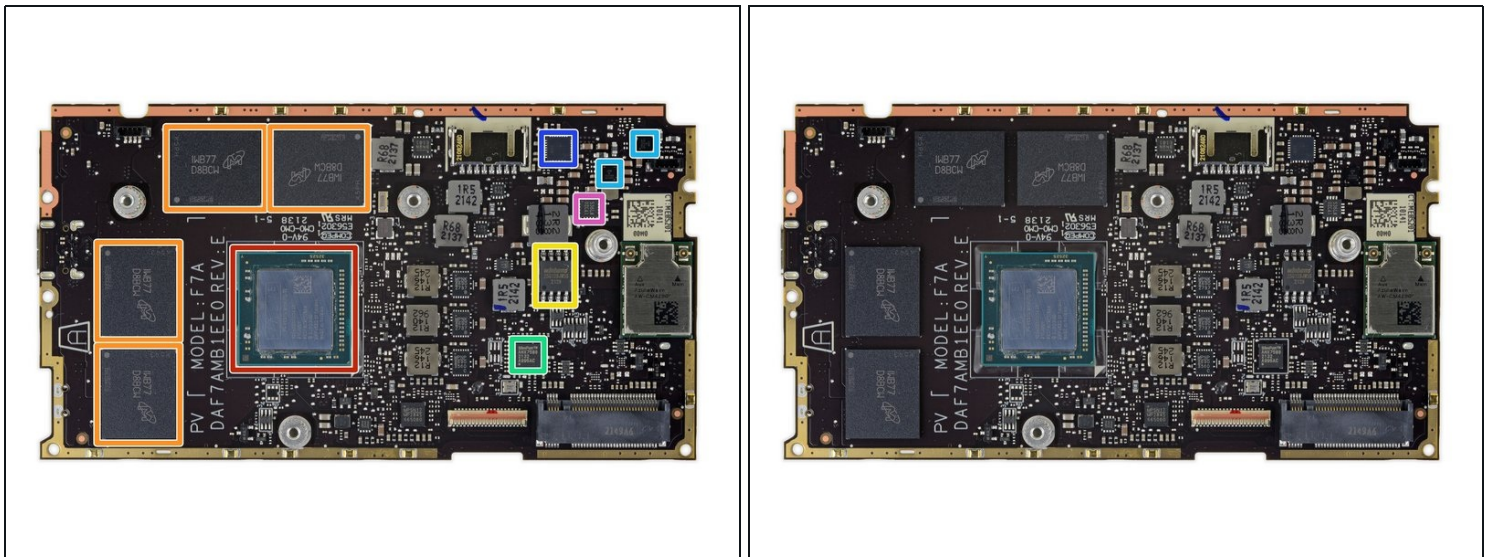
This guide contains a selection of photos and chip identification summary for the main board of Valve's Steam Deck.

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

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

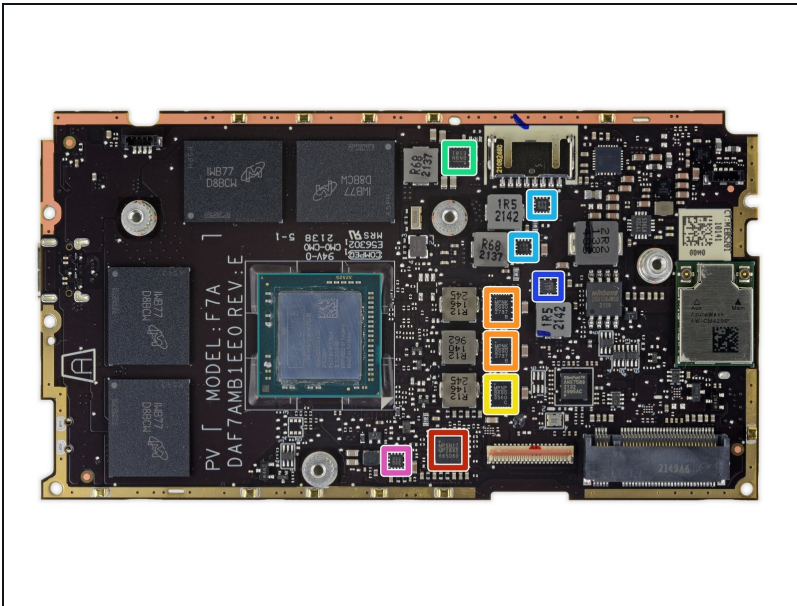
[video: <https://www.youtube.com/watch?v=4T0RZ6ustKQ>]

## Step 1 — Side 1



- IC Identification, Pt. 1:
  - AMD/Valve 100-000000405 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

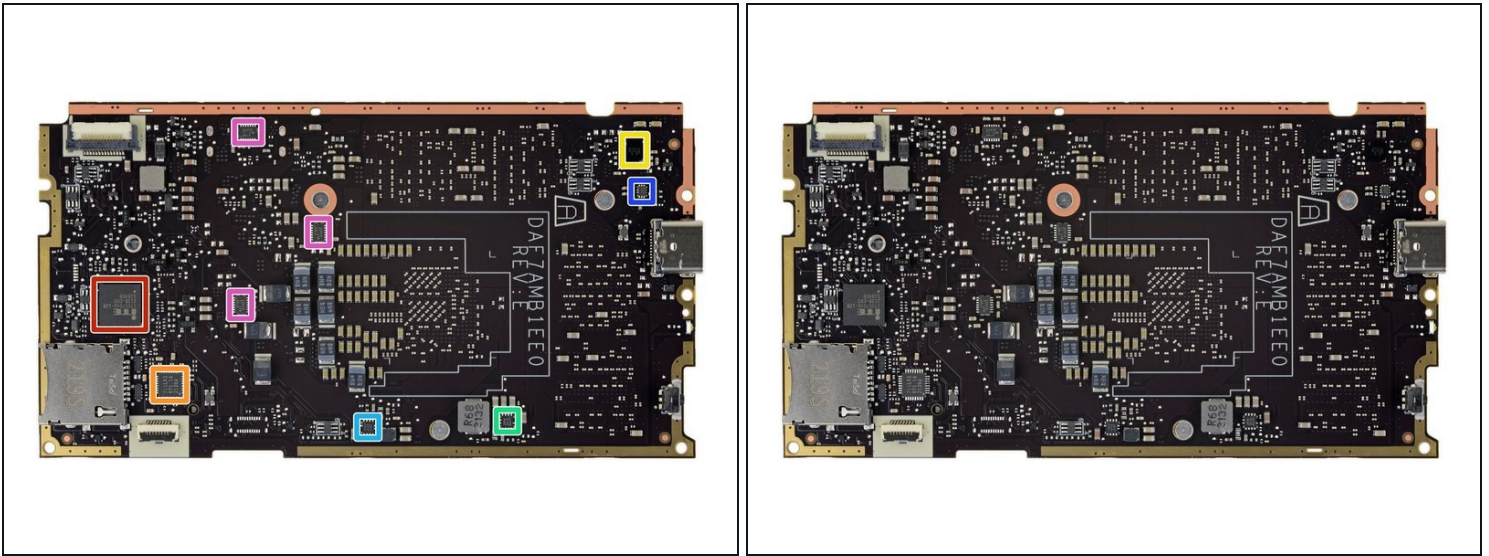
## Step 2



- 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

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