Steam Deck Chip ID

A selection of chip identification on the motherboard of the Steam Deck.

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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 info.

*Special thanks to community member CChin for his contribution!*
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
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.