Amazon Echo Spot Teardown

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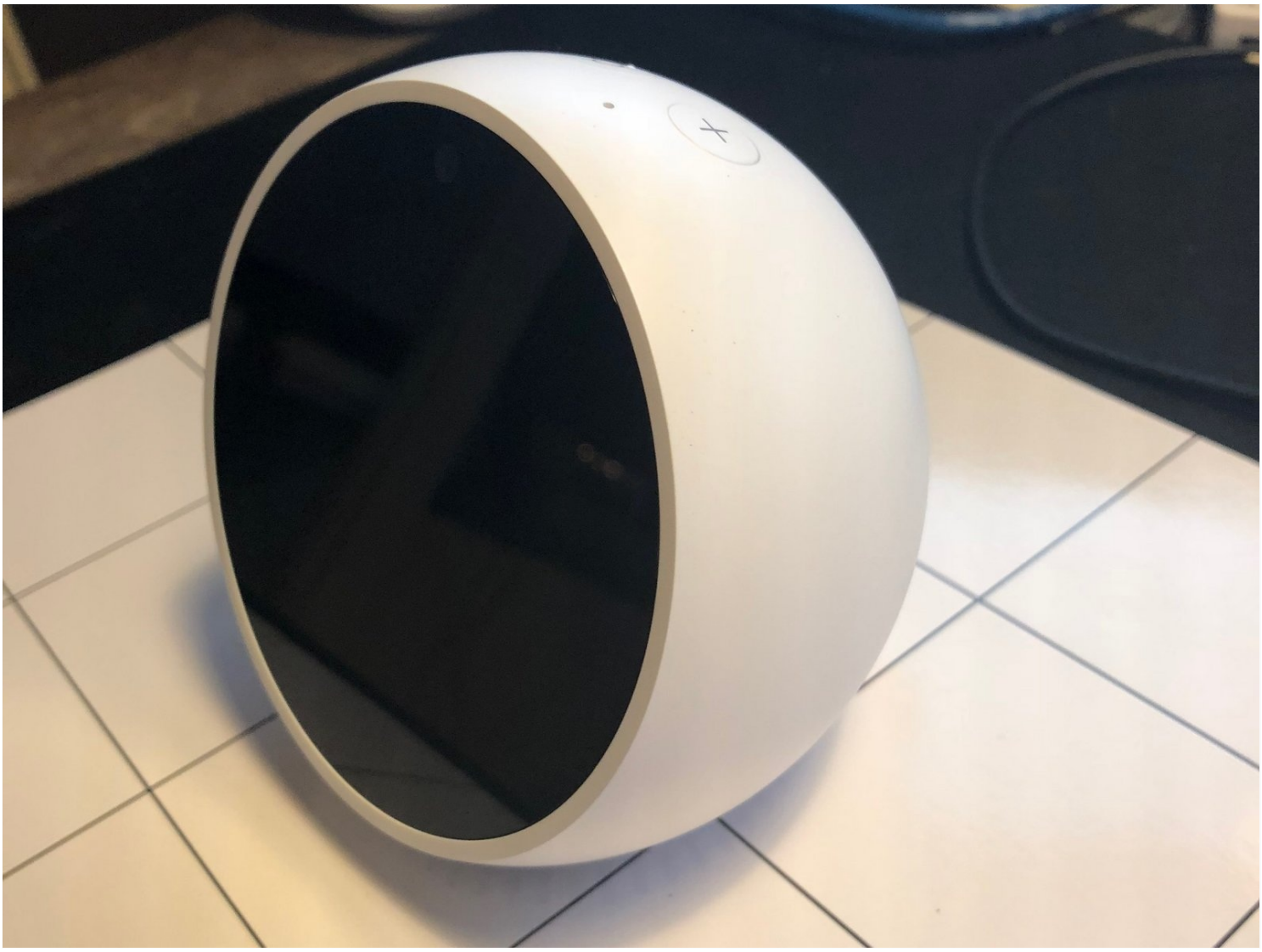
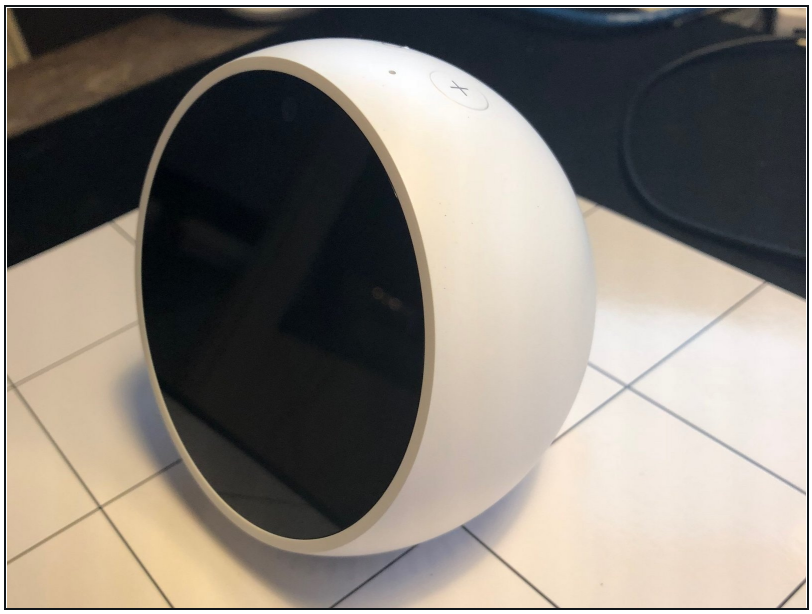


TOOLS:

iFixit Opening Picks (Set of 6) (1)
64 Bit Driver Kit (1)

Step 1 — Begin



- Amazon Echo Spot

Step 2

- Remove Bottom Plate. It's a sticker, thicker than you expect. Pry hard.
- One T8 screw prevents the screen from rotating, remove this prior to twisting the screen out. Two T5 screws hold the electronics stack.

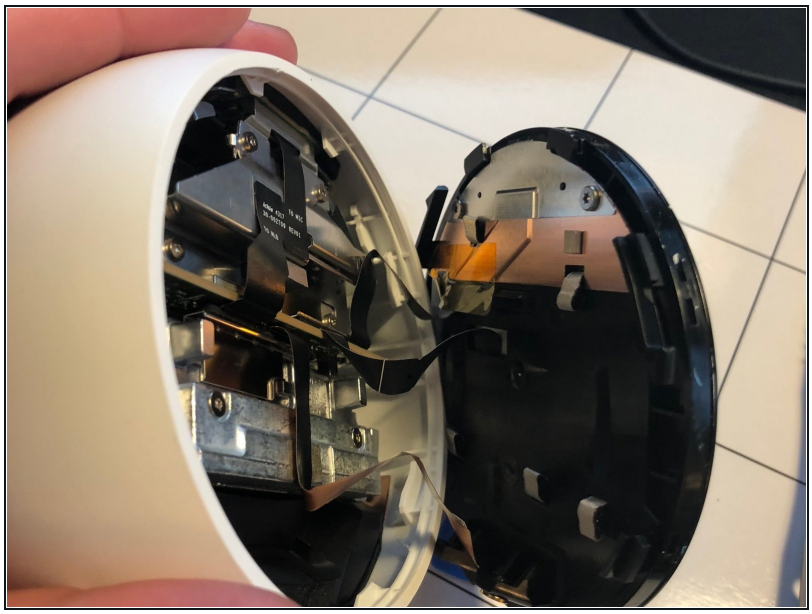
Step 3

- There is a Micro USB port hiding in the back under a plastic cover.
- Attaching a USB cable to the port reveals a device that classifies itself as an "Android Device"
- It is also possible by holding down all 3 buttons on the top to put the device into FASTBOOT mode. Lots more to explore here.

Step 4

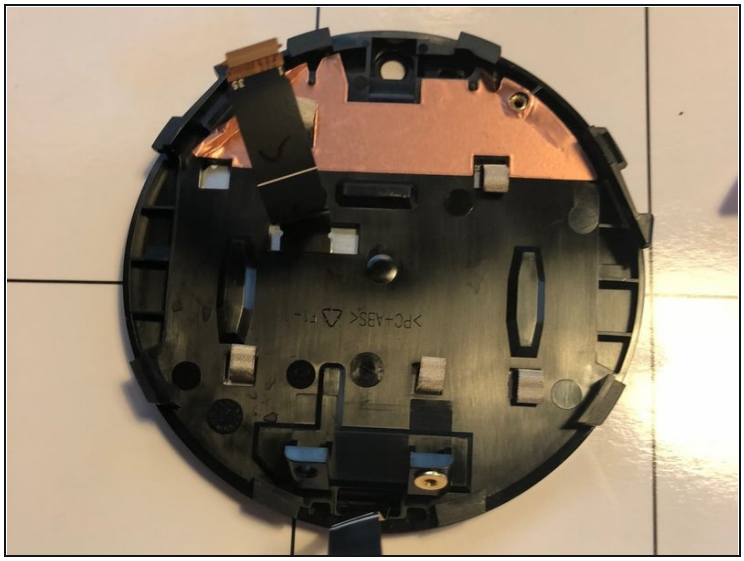
- After removing the aforementioned T8 screw, press your palm against the screen and twist counterclockwise. Alternately, hot-glue the screen to the workbench, twist the back off, then remove the glue.

Step 5



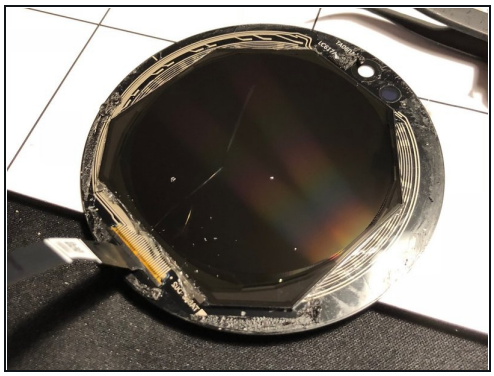
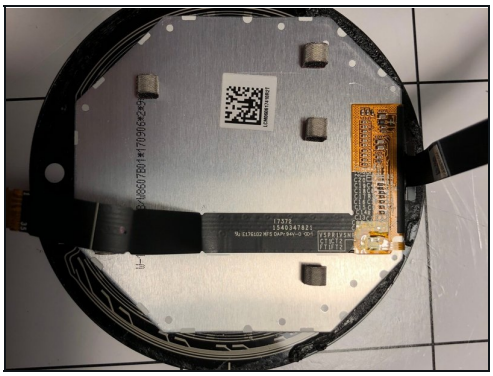
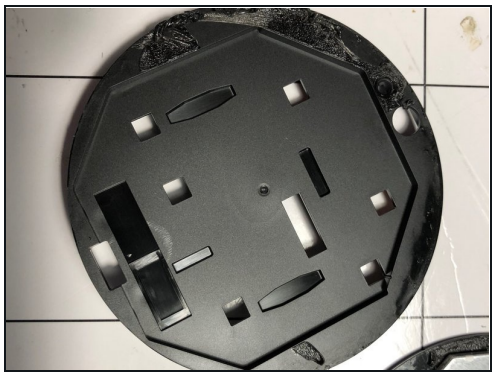
- Disconnect Cables

Step 6



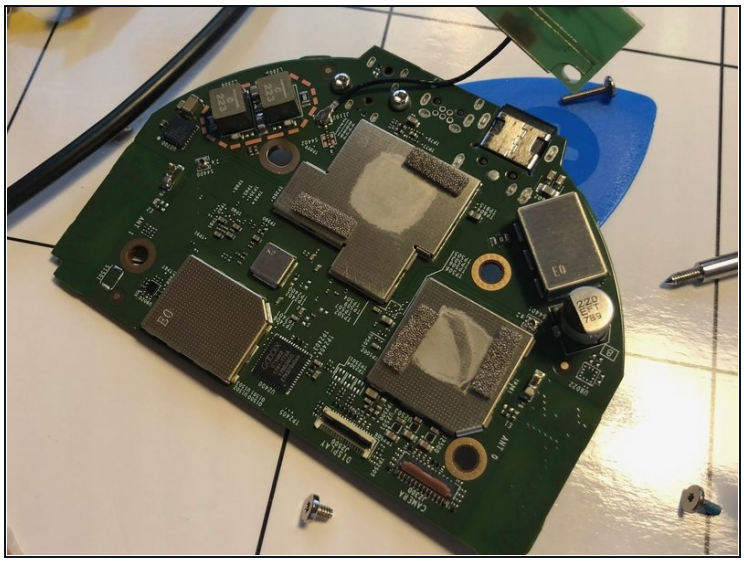
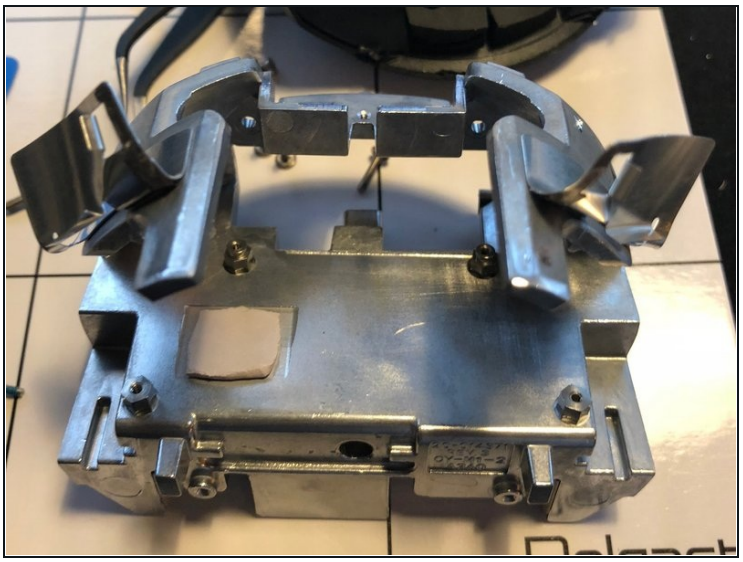
- Display Assembly
- Note there is a camera and what appears to be either a light or motion sensor next to the camera.

Step 7

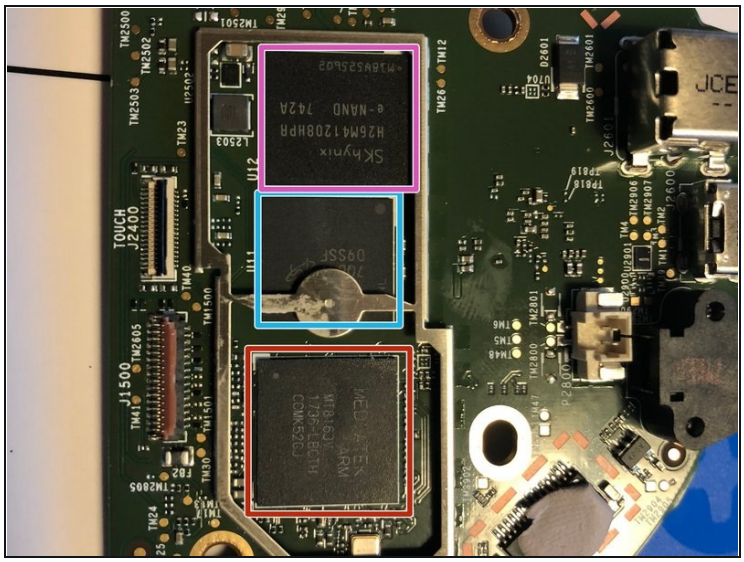
- Display module is round and glued to the cover glass

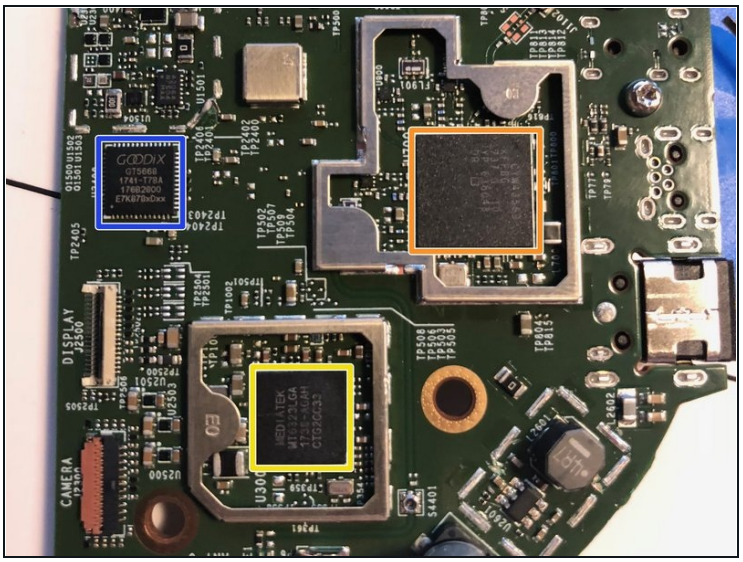
Step 8

- Logic Board

Step 9





- Chips
- MediaTek MT8163V - Quad ARM Cortex-A53 System on a Chip
- GOODIX GT5668 - Touchscreen Controller
- Cypress CYW43569 - 802.11 a/b/g/n/ac Bluetooth 4.1
- MediaTek MT6323LGA - PMIC
- Micron MT52L512M32D2PF-107 WT D9SSF - 16Gbit LPDDR3 SDRAM
- SK hynix H26M41208HPR - 8GB NAND