USB 2.0 Port(s)

- Standard ports for older USB accessories
- (Such as Keyboards, Mice, USB Drives, etc.)
  USB 3.0 Port(s)
- Standard USB ports for Faster, high-speed devices.
- (I.e, External SSDs, USB flash drives.)
- Supports data transfers up to 5 Gbps
  USB 3.0 Controller
- Hardware inside Pi that manages the USB 3.0 Ports
- Handles data communication between those devices in the port and the CPU
  LPDDR4 SDRAM
- Functions as the Pi's main system memory.
- Holds OS, Runs Applications, and stores data.
  4-pole 3.5mm Audio & Composite Video
- Combined analog audio and composite video output
- Supports stereo audio, video, and ground. (4 pole)
  CSI Camera Connector
- Interface that connects offical Raspberry Pi camera modules
- Enables the capturing of photos and video with the camera hardware
  Secondary Micro HDMI
- One of two Micro HDMI ports on the Pi
- Enables the output of video or audio to an external display
  Main Micro HDMI
- Primary Micro HDMI port for connecting to a display
  USB-C 3A/5V
- Power input port for the Pi
- Provides 5 volts up to 3 amps for the board and accessories. (3A/5V)
  MicroSD Card Slot
- Storage interface for the Pi's OS and Files
- The Pi uses microSD cards for booting and storage
  DSI Display Connector
- Display Serial Interface port to connect the official Pi touchscreen display.
  Broadcom CPU
- CPU powering the Pi
- Handles all computing tasks and runs the OS
  Wifi/Bluetooth Module

- Wireless communication chip that connects the Pi to Wi-Fi and Bluetooth
- Enables the connection of Bluetooth devices and wireless networking.
  GPIO Header
- General Purpose Input/Output pins
- Used to connect senors, LEDs, motors, and other electronics
  Gigabit Controller
- Network controller managing Gigabit Ethernet port
- Allows wired network connection
  POE Header
- Power over Ethernet header
- Enables the connection of a separate POE HAT (powers the pi using enabled networks via Ethernet cable)
  Gigabit Ethernet Port
- RJ45 port for wired network connectivity