Something a little different.
Description:
1. Supports power input from both USB-C ports or the DC-Jack on the Captain Board.
2. DC Jack voltage rating is 12V maximum.
4. USB-C0 support USB 3.0 and DP display.
5. Battery Module: Both Edge and Captain support the Li-Po battery module.
6. Only one battery module can be used at the same time.
7. Power supply priority: DCIN > TYPEC1 > TYPEC0 > Battery
8. Both USB-C ports can be used to charge a battery module attached to the Captain.
9. If DC Jack is in use, the Switch0 and Switch1 will be cutoff.
10. Switch2 & BQ25700:
   - BQ25700 is a charge controller IC
   - Switch2 will be used if BQ25700 is not available/connected to the Edge Board.
   - BQ25700 can be found on either the Carrier Board or the Edge Battery Module.
USB2.0 HOST

USB3.0 HOST

Notice:
USB2.0 feature with 3.0 Connector
Gold Fingers Usage:

1. Current Rating: 0.5A per Pin
2. Smart Booting: Edge can recognize 3rd-party carrier boards, contact Khadas to be added to our list of recognized boards.
3. To use USIC, make sure VCC 1V2 is connected with a 1.2V source.
4. RESET: Set RESET IN H as high level (3.3V) to reset the system.
5. PWM: To use PWM to have SYS LED as GPI0 A6 first.
6. VCC CBAT: RTC Battery, 3.3V is recommended.
7. PCIE: To use PCIe, decoupling capacitors are required on carrier board side.
8. eDP: To use eDP, decoupling capacitors are required on carrier board side.
9. GPIO: RK3399 support 5 channels GPIO, from GPIO0 to GPIO4, notice as below:
   - All GPIO can be configured as an interrupt source
   - The drive strength can be configured
   - Only GPIO0 & 1 can wake on CPU in sleep mode
   - Each IO channels with different IO voltage, connection of a GPIO to a voltage higher than that will likely destroy the GPIO block within the SOC.
10. Check Khadas Docs for the further details.

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