



- 1: +3.3V 7: TDI_DO
 2: +3.3V 8: TCK_SK
 3: RTS 9: TMS_CS
 4: DTR 10: TDO_DI
 5: RXD0 11: GND
 6: TXD0 12: GND

SENSOR_VP is GPIO36
 SENSOR_VN is GPIO39
 IO34 to IO39 are input only
 Boot mode is GPIO0,2,4,5,12,15
 when boot:
 GPIO0 Pulledup / when Lo to download mode
 GPIO2 Pulldowned / when GPIO0 Hi and GPIO2 Lo to serial download mode
 GPIO4 detectable, but no use
 GPIO5 Pulledup / when SDIO slave mode, timing set
 GPIO12 Pulldowned / MTDI / when Hi to flash voltage to 1.8V
 GPIO15 Pulledup / MTDO / when Lo to suppress debugging log print over U0TXD

- to Switch SubAssy**
 CN2 B6B-PH-K-S
 1: SW SK-12-D01-VG4
 2: SW
 3: VBUS / 1 USB
 4: D- / 2 ZX62R-B-P
 5: D+ / 3
 6: GND / 4

- to Battery Case**
 CN1 B2B-PH-K-S
 1: +
 2: -
- USB power supply is only used for debugging.
 Switches are not applicable.