### VERSION HISTORY

**Revision** | **Description** | **Date** | **Drawn** | **Checked** | **Approved**  
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Ver 1.0 | Release version | 2019-05-28 | HE | |  
Ver 1.1 | Solved the I2C of UART and INT C/A of UART could not work simultaneously  
Modified PCIe and SODA network interface problem  
Modified the problem of WiFi module in RTL8723CS  
NTC increases the series resistance | 2019-07-06 | HE | |  
Ver 1.2 | Refer to below link or v1.2 change  
https://wiki.pine64.org/index.php?title=PinePhone_v1.2 | 2020-03-10 | HE | |  
Ver 1.2a | Change USB-C Dr switch component part number | 2020-06-08 | TL | |  
Ver 1.2b | Change R1318 on page 13 to NC (no connect) | 2020-10-11 | TL | |
Battery with temperature detect
Voltage Supply 3.55V-4.35V
If use eMMC 5.0, mount D.
else, NC D.
Or if use Flash NC D.

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Or if use Flash NC D.
Connect to GND and close to HP jack.

**Note 1:**
When insert HP, pin4 and pin3 is connected, when pull out HP, pin4 and pin3 is disconnected.

**Note 2:**
When insert HP, pin4 and pin3 is disconnected, when pull out HP, pin4 and pin3 is connected.

Mount R161 100K.
CAMERA

FLASH LED Drive

note: Drive up to 1A

Rear Camera

Front Camera

Date: Sheet 10 of

Design Name

Released Schematic

Tuesday, July 23, 2019
WIFI+BT

RTL8723CE power supply:
VCC-WIFI+VBAT-EXT=3.5-4.35V
VCC-WIFI-ID=DDDG=3.3V

1.2V Supply Mode Selection:
H_LDO/L_SPS

RTL8723CS power supply:
VCC-WIFI=VBAT-EXT=3.5-4.35V
VCC-WIFI-IO=DLDO4=3.3V