ESP32 P4-Advance HMI Display 9.0 V1.0

USB interface

USB TO UART

ESP32-C6

UART & I2C & GPIO extensions

UART_5V_IN I2C_OUT UART0_OUT

9.0 inch IPS interface

Battery and control

CSI_Interface

ESP32-P4

BOOT
HIG: SPI Boot
LOW: Download Boot
KEY-4.5X4.5

RESET
HIG: ESP32-P4 Enable
LOW: ESP32-P4 Off
KEY-4.5X4.5

LCD_POWER

ESP32-P4_POWER

Power SW

Charge indicator control

Power_LED

SD card

DC-DC:5V to 3V3

DC-DC:5V to 1V2

LDO:5V to 3V3(AUDIO POWER)

Wireless module

DSI_LED Driver

I led=200mV/0.75=160mA

PDM MIC

NC

Audio_ADC/DAC

Audio_OUT

NC