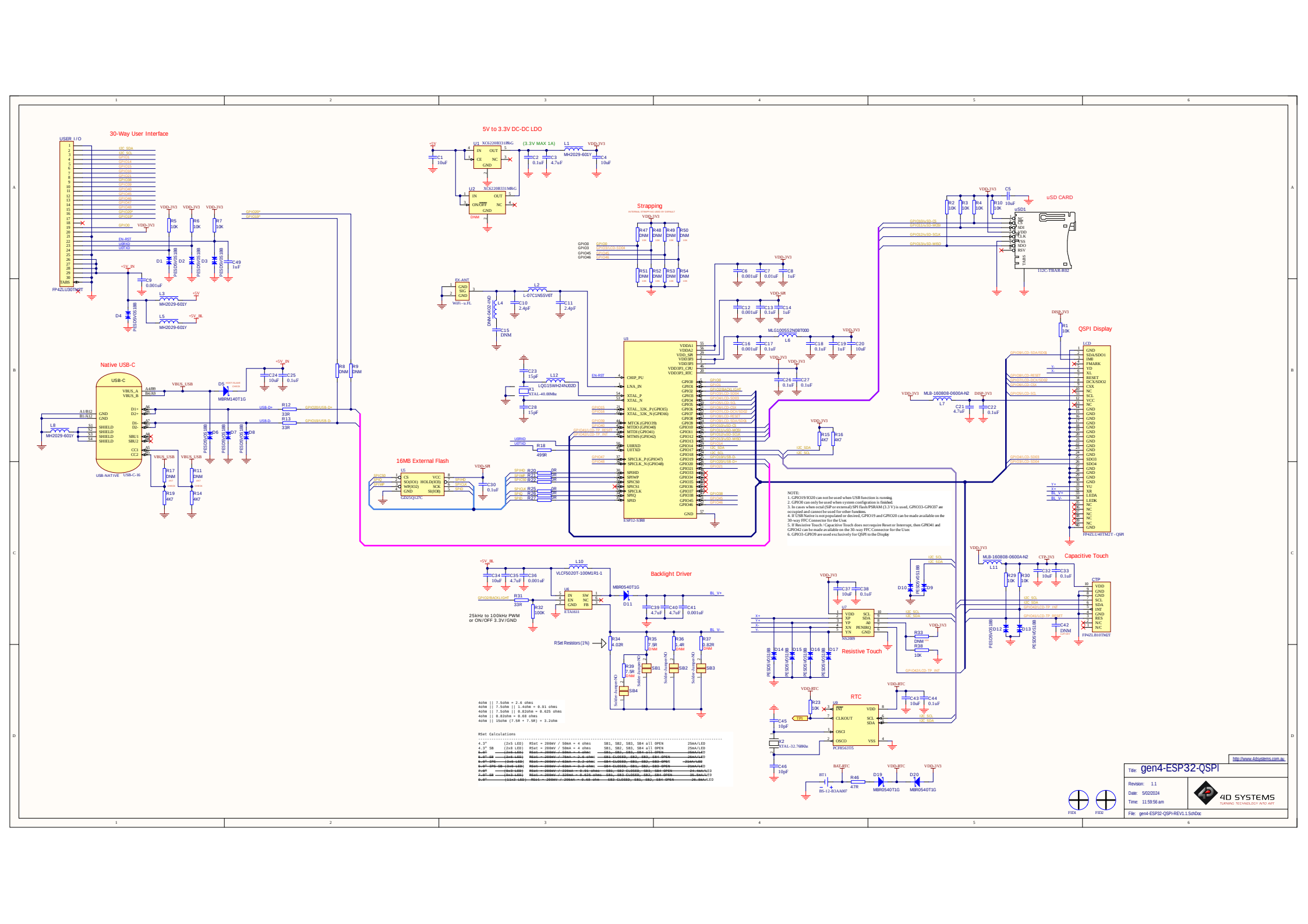
30-Way User Interface
5V to 3.3V DC-DC LDO
Strapping
uSD CARD
QSPI Display
Native USB-C
16MB External Flash
Backlight Driver
Capacitive Touch
Resistive Touch
RTC
NOTE:
1. GPIO19/IO20 can not be used when USB function is running.
2. GPIO0 can only be used when system configration is finished.
3. In cases when octal (SiP or external) SPI flash/PSRAM (3.3 V) is used, GPIO33-GPIO37 are occupied and cannot be used for other funcions.
4. If USB Native is not populated or desired, GPIO19 and GPIO20 can be made available on the 30-way FFC Connector for the User.
5. If Resistive Touch / Capacitive Touch does not require Reset or Interrupt, then GPIO41 and GPIO42 can be made available on the 30-way FFC Connector for the User.
6. GPIO3-GPIO9 are used exclusively for QSPI to the Display
25kHz to 100kHz PWM or ON/OFF 3.3V/GND
RSet Calculations
Title: gen4-ESP32-QSPI
Revision: 1.1
Date: 5/02/2024
Time: 11:59:56 am
File: gen4-ESP32-QSPI-REV1.1.SchDoc
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