UF 68HC12 Board Troubleshooting

After building UF Board, it did not boot. Here are some of the possible reasons:

- Forgot to add a wirewrap connection between PAD7 on J4 (also known as ANA7) to ground.
- Reset switch not soldered properly.
- Poor electrical connections due to bad soldering.
- CPLD equation not correct.
- CPLD pin assignments not right.
- CPLD not put in the socket with the right orientation.
- Failure to program CPLD.
- EEPROM not programmed correctly.
- EEPROM/Latches/CPLD or other chips damaged.
- Caps not soldered with right polarity.
- MiniIDE terminal program or HyperTerminal not set up correctly (e.g., disconnected or wrong baud rate).
- Traces damaged while soldering.
- Not following instructions when building board (e.g., address latches or resistors like R6 are not soldered).
- PC not set up correctly (e.g., USB port on PC not functioning properly or USB driver not installed properly).
- Jumpers are not in the right place.
- The 68HC12 has tiny hair-like solder or wire fragments across some pins.
- Board has a manufacturing defect.
- If you are not using the USB port for power, power-supply connector soldered backwards, thus, ruining the board and HC12.
- If you are not using the USB port for power,
power supply not working properly.