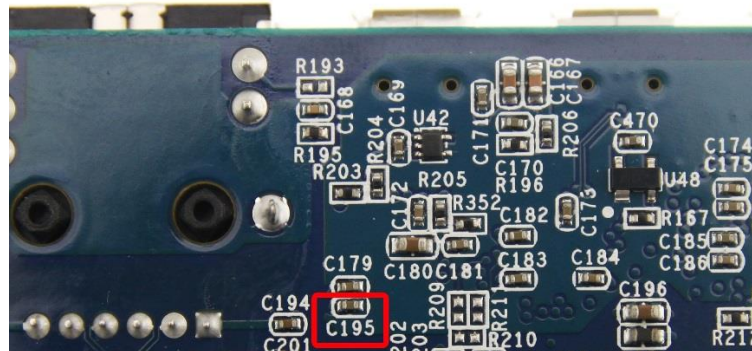# Diagnostic and Correction

■ Purpose

This document describes how to diagnose microSD card boot failure and provides solution to fix the problem.

■ Failure Symptom

Users cannot boot from microSD card without connecting onboard UART-to-USB port to host PC.

■ Solution

1. Check if C195 is populated with capacitor or resistor.
   - If C195 is populated with capacitor, please replace it with a 0402 499Ω resistor. The color of a resistor is black.

C195 is at the back side of U5

2. After replacing the C195 with 499Ω resistor, please execute the microSD card boot test to see if the problem has been solved.

3. If the above rework does not work, please replace C195 with 0402 100Ω resistor and then execute the microSD card boot test again.

Note: If none of the above rework works, please fill in our online Return Materials Authorization (RMA) form **here** and we will send you a notification with RMA number after receiving your request.