



1/24/2024

Subject: Change to SAE/USCAR-21, Rev 4 (Letter #10)

Changes have been made to the USCAR-21 specification today that clarifies that the table can be used to determine resistance criteria even if the terminal material conductivity is unknown. Please direct any comments or questions related to this update to EWCAP@uscar.org.

Situation:

USCAR-21 does not state specifically what to do if the terminal material conductivity cannot be determined.

Resolution:

USCAR-21 is changed as follows:

4.5.2.5 Acceptance Criteria

1. The initial resistance shall satisfy Table 4.5.2.5A for all samples of 3 consecutive conductor crimp heights (representing the lower, nominal, and upper limits of the intended process).
2. The final resistance for all samples of 3 consecutive conductor crimp heights (representing the lower, nominal, and upper limits of the intended process) must satisfy either column A or column B in Table 4.5.2.5B (meeting both is not required).

NOTE: In case the terminal material conductivity could not be obtained

- Use 0.55mΩ as the criteria for Table 4.5.2.5 1A and 4.5.2.5 1B.
- Use 0.33mΩ as the criteria for Table 4.5.2.5 2A and 4.5.2.5 2B.