

CE-2.0 Committee on National Connector Standards

Subcommittee CE-2.3 Contact Specification

Chairman's Report: David Bouzek
Reported at the September 2006 Meeting
San Antonio, TX

Current Active Projects:

High Strength Nickel Plated Wire Testing

This testing is being performed at the request of SAE by contact manufacturer members of EIA. The objective of this testing is to investigate the reported problems of high contact resistance values associated with high strength nickel plated wire and the use of existing contact crimp tooling and existing AS39029 contacts.

Status Report:

Essentially all but one original manufacturer that committed to perform the testing actually completed it. That was Tri-Star. So instead of the original test matrix report being completed, Tri-Star agreed to publish a White Paper for the October '07 SAE meeting. I will make this paper available to our task group members.

It is anticipated that our working group will be asked to update appropriate EIA 364 specification at some point to accommodate this wire & crimp system.

New Business

New Contact Call-Outs in Mil-C-38999

DSCC is holding a coordination meeting in October that will likely add two new contact plating options, 150 micro inches of gold & Rhodium plate. This addition is to allow for contacts that are reported to perform better under high vibration and temperature. The EIA-364 test methods for vibration and mating cycle will need to be updated if this is approved at the coordination meeting.

Possible update required for:

- EIA- 364-28E Vibration
- EIA- 364-13D Mating & Unmating Forces
- EIA- 364-37B Engagment & Separation Force