

ENGINEERING PRACTICE STUDY

TITLE:

The purpose of this EPS is to determine if there is any viability to and market interest in adding a secondary locking feature to MIL-DTL-6852.

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5940-2019-007

FINAL REPORT

Study Conducted and
Prepared by

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Introduction:

EP Study to determine the viability of adding a secondary locking feature to MIL-DTL-6852, as requested by the Navy, in order to comply with SAE design requirements.

Background:

The M6852 splice is currently in use with the bonding jumpers on several Naval applications. However, the current SAE AS50881 (EWIS acquisition requirements) specification states in section 3.12.5 (Bonding and Grounding Hardware): "Bonding jumpers shall be the non-quick disconnect type and shall be in accordance with MIL-C-83413/8 or contractor designed equivalent." As such, the Navy runs into issues when trying to comply with the AS50881 design requirement.

Results:

While there was notice of some initial potential interest from an M6852 manufacturer prior to launching the EP study, there has not been any further information since.

Conclusion:

Due to lack of any commercial interest, DLA will not add a secondary locking feature to MIL-DTL-6852 in the foreseeable future.

Recommendations:

DLA will not add a secondary locking feature to MIL-DTL-6852.