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DSCC-V (VAI/Mr. Funk/614-692-6608)

MEMORANDUM FOR MILITARY/INDUSTRY DISTRIBUTION

SUBJECT: EP Study to determine if J-STD-001 requirements for Gold Removal on contacts should be included to MIL-PRF-39012 as an alternative plating option.
Project number 5935-2018-060.

The purpose of this EPS is to examine J-STD-100 and determine if Gold Removal on contacts should be included in MIL-PRF-39012.

Question #1. The J-STD committee updated the J-STD-001 specification to Rev. F. The gold removal requirement has expanded. Under the old revisions if the plating was under 100 μ in it was not necessary to remove the gold. The new requirement has expanded this to remove gold no matter the thickness for all parts being soldered. Is this new requirement feasible for de-golding small contacts such as for the SMPM?

Question #2: Another solution may be to include the definitions of "Solder Cup" from the IPC and J-STD specifications:

- IPC-620, Appendix A: "A cylindrical solder terminal with a hollow opening into which one or more wires are placed prior to soldering."
- In J-STD-001 Rev F, section 1.8 Terms and Definitions states, "Other than those terms listed below, the definitions of terms used in this standard are in accordance with IPC-T-50."
- IPC-T-50 Rev K has a listing for Cup Solder Terminal that states "A cylindrical solder terminal with a hollow opening into which one or more wires are placed prior to soldering."

There are OEM concerns with Gold Removal and the new J-STD-100 specification. Will clarifying the Solder Cup definition help clarify and resolve the Gold Removal issue?

Applicable documents include MIL-PRF-39012.

Please provide this office with your response or comments within 30 days of the date of this Memorandum. Lack of response will be construed as concurrence or lack of interest.

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If there are any questions please contact Mr. Jeremy Funk, phone number 614-692-6608, facsimile transmission, 614-692-6939, e-mail Jeremy.Funk@dla.mil, or may be mailed via the US Postal Service to DLA LAND AND MARITIME, ATTN: VAI (Attention: Jeremy Funk), P.O. Box 3990, Columbus, OH 43218-3990.

Sincerely,

/ SIGNED /

ABDONASSER M. ABDOUNI
Chief,
Interconnection Branch