

Attachment No. 5

Project Status Report And Other Issues For Electrical Connectors

EIA CE-2.0

Doubletree Hotel
Memphis Tennessee

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PROJECT STATUS

Circular Connectors:

- a. MIL-STD-1760 type II rail launch connectors: MIL-DTL 83538B, MIL-DTL-83538/1B, 3B, 4B, 5B, 8B & the new /13. The documents are dated 13 May 2005.
Also, MIL-DTL-83538/11A buffer plug was dated 8 July 2005.
- b. MIL-DTL-27599C, supp1., & MS sheets 20026 thru 20029, & 27334 thru 27337. The documents are dated 20 May 2005.
- c. We have projects open on MIL-DTL-26482H, supp1., & MS sheets 3110 - 3112, 3115, 3119, 3122, 3187, 3440, 3442, 3443, 3449, 3470, 3471, 3473, 3474, 3475, 3477, 3479 & 3481. This is covering most of the spec. We will also be reactivating series 2 rear release, crimp style contacts (preferred for usage by AF-11) of this spec due the high demand. We are in the final draft stage and these documents should be dated and released within 6 months.
- d. We also have projects open on MIL-DTL-22992F, supp1. & MS sheets 14054, 14055, 14057, 17342 thru 17346, 17349, 17350, 18062, 90557, 90561, 90563 - 90565, 90567 & 90569. This is covering most of the spec. We are in the final draft stage and these documents should be dated and released by the end of October 2005.
- e. MIL-DTL-83413B. This is the aircraft grounding spec. This document was dated 22 September 2005.
- f. MS27510G, MS27511K & MS27512G. Covers, Protective, series I & II of 38999. Documents dated 10 June 2005.
- a. MIL-DTL-83413/8B. Adding to table III 2 new lug size designations that segregate the copper terminals between MS25036 & MS 20659 for the purposes of ordering. The initial draft package will be available on our website by the end of September 2005.
- b. MIL-DTL-28840 basic & ss 4, 7, 8, 10 – 12, 16 – 21, 26, 28, 29 & supp1. Working on the initial draft. Expect an initial draft package to be circulated (& on our website) by the end of this calendar yr.
- c. DSCC DRAWING: 88064C, 89013C, 89014D, 89016D, 89018D, 89020D. DSCC has decided to revise and update these drawing to alleviate the problems that the Navy had with them as the SAE documents do not have a qualified source yet. These parts are now in use in the field. When sources are available on the SAE documents, DSCC will consider inactivating or canceling these drawings. Table I has been revamped to include 4 options: A Tin plated Copper braided shield, a passivated stainless steel band, a Tin plated Copper band and all other metal parts are Aluminum alloy. Compiling comments now. The final disposition of comments on these drawings will be available on our website by the end of October 2005.
- d. MS3186E. Dimensional corrections. The initial draft package will be available on our website by the end of September 2005.
- e. MS3121D, MS3124, MS3126, MS3127. Dimensional corrections. The initial draft package will be available on our website by the end of September 2005.
- f. MIL-DTL-83723/86, /87, /91, /92, /97 and /98. General update. The initial draft package will be available on our website by the end of September 2005.
- n. MIL-DTL-12520 basic, supp 1, /8, /9, /10, and /11(Connectors, Plug and Receptacle, Electrical, waterproof), and Accessories. Dated 31 March 05.

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Circular Connectors: Continued

- o. MIL-DTL-2726, basic, 46 ss (Receptacle, Receptacle Plugs, Switch and Receptacles, and Outlets (Electrical)). Will be dated by the end of October 05.
- p. MIL-DTL-10544, Connectors, Plug and Receptacle (Electrical, Audio, Waterproof, Ten Contact, Polarized) Basic. Preparing the initial draft.
- q. MIL-DTL-5251, Jack U-83/U Basic. Preparing the initial draft.
- r. MIL-DTL-55243, Connectors, Plugs and Receptacles, Electrical, Quick Connect and Disconnect, 12 contacts, Medium Power. Basic. Preparing the initial draft.
- s. MIL-DTL-55449, Connector, Plug, Electrical U-237 () /G Connector, Receptacle, Electrical U-238 () /G. Basic. Preparing the initial draft.
- t. MIL-55169, Connectors, Electric, Type "Q", Multi-Contact. Basic. Preparing the initial draft.
- u. MIL-DTL-55081, Connector, Plug Electrical U-176 () /G and U-319 () /G, Connector, Receptacle, Electrical U-121 () /G and U-122 () /G. Basic. Preparing the initial draft.
- v. W-C-596 ss 164, 168 & 184. Connector, Receptacle, Electrical, General Purpose, Single, Grounding. Preparing final draft.

Rectangular Connector Project Report

Ultra High Density Connectors UHD1C and UHD1C slash sheets 1 through 9. Final disposition of comments have been circulated on 8 September 2005. A justification for QPL letter should be ready by December. When granted, a spec # will be assigned as well. Anticipate dating by January 2006.

Point of contact on these issues is William Carpenter at 614 692-0573, email: william.carpenter@dla.mil

Printed circuit, D subminiature and micro miniature D type connectors project report:

MIL-C-21097 Basic and specifications sheets. Revising to detail status and updating as determined during 5 year review. Incorporate EIA 364 test procedures. Documents dated 18 August 2005.

MIL-DTL-24308 – Incorporating EIA-364 test procedures and Amendment 1, updating obsolete references and other changes as required. Preparing initial draft.

MIL-DTL-24308/1, /2, /3, /4, 5, /6, 7, /8, /23, /24, /28: Modifying shell dimension due to allowance of staking indents to secure insert in shell. Preparing initial draft.

MIL-DTL-55302 Basic, Incorporate EIA 364 test methods. Add MIL-STD-790. Add resistance to solvent test. Adding new socket copper alloy materials, Replace obsolete references. Revise contact resistance table. Revising Group B and C sampling plan. Preparing initial draft.

MIL-DTL-55302/7 and /8: Clarification of contact identification method and replace obsolete references. Initial draft letter dated 12 August 2005. Comments period ends 26 September 2005. Compiling comments.

MIL-55302/190 through /193: Dimensional clarification. Preparing final draft.

MIL-DTL-83513– Incorporating EIA-364 test procedures, add a table for the sampling plan. Initial draft letter dated July 14, 2005. Comment period ended September 12, 2005. Compiling comments.

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Printed circuit, D subminiature and micro miniature D type connectors project report: Continued

MIL-DTL-83513/5H: Making dimensional change, adding 302 series steel for the hex nuts

DSCC Drawings 94031 through 94046 Based on 5 year overage review these documents will be revised to remove and replace obsolete documents and to incorporate EIA 364 test procedures.

DSCC drawings Combo D series 85040, 85041, 85043, 85044, 85045, 85047, 85048, 85054 and 89074 through 89083: Adding new vendor and replacing obsolete references. Initial draft letter dated 9 August 2005. Comment period ends 23 September 2005. Compiling comments.

Contact point on those is Mr. Ralph Antonelli at 614-692-0576, email: ralph.antonelli@dla.mil

DSCC report synopsis

The attached DSCC report details the status of individual specifications and drawings. In addition to the changes noted, some of the main changes are as follows:

DSCC is continuing efforts to incorporate EIA-364 into all of our documents to replace MIL-STD-1344.

Conversion of military specifications to detail specifications.

Update cancelled references.

Format updating.

Editorial changes as required.

It was reported in 2001 that DSCC began a 5 year review to determine the validity of all military specifications and DSCC drawings. 1000 documents were identified as overage in the FSC 5935 (connector) area. To date there are 15 documents in overage status.