

MIL-A-28870(NAVY)
 AMENDMENT 3
 18 March 1986
~~SUPERSEDING~~
 AMENDMENT 2
 8 September 1983

MILITARY SPECIFICATION
 ASSEMBLIES, ELECTRICAL BACKPLANE,
 PRINTED-WIRING, GENERAL SPECIFICATION FOR

This amendment forms a part of MIL-A-28870(NAVY), dated 5 May 1982, and is approved for use within the Space and Naval Warfare Systems Command, Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.

PAGE 2

- * 3.2, delete and substitute the following:

"3.2 Qualification. Backplane assemblies furnished under this specification shall be products which are authorized by the qualifying activity for listing on the applicable qualified products list at the time set for opening of bids (see 4.5 and 6.5)."

PAGE 7

FIGURE 2, titles: Delete "2E" and substitute "2D"; also, delete "2D" and substitute "2E".

PAGE 10

Add the following new paragraph:

"3.8.6 Moisture resistance. When tested as specified in 4.7.4.6, the printed wiring backplane assemblies shall conform to the requirements of 3.7.2 and 3.7.3".

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- * Add new paragraph as follows:

"4.1.2 Responsibility for compliance. All items must meet all requirements of sections 3 and 5. The inspection set forth in this specification shall become a part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in the specification shall not relieve the contractor of the responsibility of assuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling in quality conformance does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to acceptance of defective material."

- * 4.2, delete subparagraph b. and substitute the following:

"b. Qualification inspection."

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- * 4.5, delete "Suppliers certification inspection". and substitute "Qualification inspection". Delete "Suppliers certification inspection" and substitute "Qualification inspection".
- * 4.5.1, delete "certification" and substitute "qualification" 6 places.
- * 4.5.2, delete "Certification" and substitute "Qualification" 3 places.
- * 4.5.3, delete "certification" and substitute "qualification".

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PAGES 13 through 16

- * FIGURE 4, (titles), delete "certification" and substitute "qualification" 6 places.

PAGES 17 through 22

- * FIGURE 5, (titles), delete "certification" and substitute "qualification" 7 places.

PAGES 23 and 24

- * TABLE IV, title, delete "Supplier Certification Inspection" and substitute "Qualification Inspection" 2 places.

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TABLE IV, under Shock (specified pulse), add the following new entries under Examination, Requirement, Method and Measurements, Sample 3 columns:

"Moisture resistance	3.8.5	4.7.4.6	1/
"Insulation resistance	3.7.2	4.7.2.2	I/
"Dielectric withstanding voltage	3.7.3	4.7.2.3	I/"

- * 4.5.4, delete "certification" and substitute "qualification" 7 places.
- * 4.5.4d, fifth line, delete "certifying" and substitute "qualifying".
- * 4.5.4d, ninth line, delete "recertify" and substitute "requalify".

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TABLE VI: Delete "Insulation resistance" in its entirety.

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- * 4.6.1.3.2, last line, delete "certifying" and substitute "qualifying".

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TABLE VII, under Shock, add the following new entries:

"Moisture resistance	3.8.6	4.7.4.6	1/
"Insulation resistance	3.7.2	4.7.2.2	I/
"Dielectric withstanding voltage	3.7.3	4.7.2.3	I/"

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4.7.4.1, 4.7.4.2, 4.7.4.3, and 4.7.4.4, first sentence of each paragraph, after "assemblies", add: "(certification test sample or coupon as applicable)".

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4.7.4.5, line 1, after "assemblies", add: "(certification test sample or coupon as applicable)".

Add the following new paragraph:

"4.7.4.6 Moisture resistance (see 3.8.6). Printed wiring backplane assemblies shall be tested in accordance with method 106 of MIL-STD-202. The following exception shall apply:

Steps 7A and 73 are not required."

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- * Delete 6.5 and 6.5.1 in their entirety and substitute the following:

"6.5 Qualification. With respect to products requiring qualification, awards will be made only for products which are at the time set for opening of bids, qualified for inclusion in the applicable qualified products list whether or not such products have actually been so listed by that date. The attention of the contractors is called to these requirements, and manufacturers are urged to arrange to have the products that they propose to offer to the Federal Government tested for qualification in order that they may be eligible to be awarded contracts or orders for the products covered by this specification. The activity responsible for the qualified products list is the Space and Naval Warfare Systems Command (SPAWAR 8111) Washington DC 20363 however, information pertaining to qualification of products may be obtained from the Defense Electronics Supply Center (DESC-E), Dayton, Ohio 45444."

The margins of this amendment are marked with an asterisk to indicate where changes (additions, modifications, corrections, deletions) from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

Review activities:

Navy - OS
DLA - ES

User activities:

Navy - AS, CG, MC, SH

Preparing activity:
Navy - EC

Agent:
DLA - ES

(Project 5999-N088)