



DEFENSE LOGISTICS AGENCY

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IN REPLY
REFER TO DSCC -VAI (Mr. Antonelli/ (DSN 850) 614-692-0576/ra)

April 12, 2004

SUBJECT: Initial Draft of MIL-DTL-21097/2F, /3F, /11J, /13C, /14F, /15G, /16F, /17E, /18D, /19D, /21B, /4F, /5F Connectors, Electrical, Printed Wiring Boards, General Purpose, General specification for, Project number 5935-4505-001-013.

Military/Industry Distribution

The initial drafts for the subject documents, which are being revised for conversion to detail status in accordance with acquisition reform and to replace obsolete references, has been placed on the DSCC-VAI website for you to review and comment. The website address is;

<http://www.dsccl.dla.mil/Programs/Milspec/DocSearch.asp>

If these documents are of interest to you, please provide your comments or suggested changes by e-mail to ralph.antonelli@dlm.mil or by fax at (614) 692-6940. You may also send comments or suggested changes on Compilation of Comments form 155, shown at the end of the draft documents posted on the web.

Comments or suggested changes that are not editorial in nature should include justification. Industrial activities should indicate whether they are commenting from the standpoint of a "User" or "Manufacturer." Military review activities should forward their comments to their custodians in sufficient time to allow for consolidating the departmental reply. Military departments must identify their comments as either "Essential" or "Suggested." Essential comments, which must be accepted or withdrawn, should be supported by test data unless they obviously require no data.

Please return comments to this Center no later than 45 days from the date of this letter. Any further coordination concerning this document will be circulated only to firms and organizations that furnish comments or reply that they have an interest.

If you do not have access to the world wide web or you have problems downloading this document, please notify Mr. Ralph Antonelli at either the above e-mail address or fax number or by telephone at (614) 692-0576.

Sincerely,

/ signed /

RICHARD L. TAYLOR
Chief
Interconnection Devices Team

cc:
VQP (Tony Carnevlae)
CDAB (Dave Barman)
AF -11 (Jim Arnold - 88 OSS/OSE)

INCH-POUND

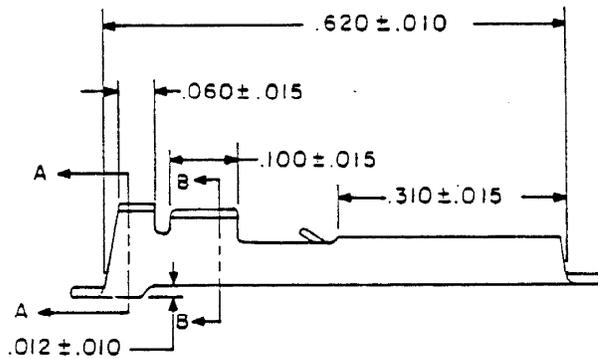
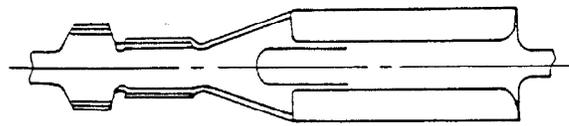
MIL-DTL-21097/16F
DRAFT
 SUPERSEDING
 MIL-C-21097/16E
 14 Jan 1986

DETAIL SPECIFICATION SHEET

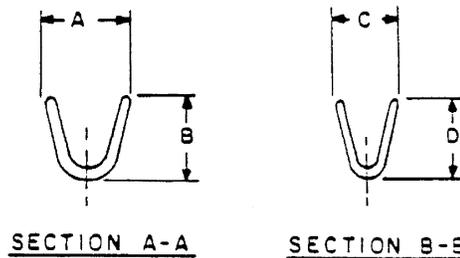
CONNECTORS, ELECTRICAL, PRINTED WIRING BOARD
 CONTACT, CRIMP, REMOVABLE, TYPE CR

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-21097.



Inches	mm
.010	.25
.012	.30
.015	.38
.060	1.52
.100	2.54
.310	7.87
.620	15.75



NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is $\pm .015$ (.38 mm) for three place decimals.
3. Metric equivalents are given for general information only.
4. For field repair use contact specified on slash sheet 21097/17.

FIGURE 1. Crimp type contact.

MIL-C-21097/16E

REQUIREMENTS:

Dimensions and configuration: See figure 1 and table I.

Use: With connectors conforming to MIL-C-21907/13.

Individual contact engagement and separation forces: Dimensions of the gage shall be as shown on MIL-C1-21097/19.

Finish: Gold plating in accordance with ASTM B488, type II, code C, class 1.27, over nickel plating in accordance with SAE-AMS-QQ-N-290, class 2, 30 to 150 microinches.

Contacts shall be crimped in accordance with manufacturer's recommended tooling.

Part or identifying number (PIN): M21097/16-(dash number from table I).

TABLE I. Contact – crimp type.

Dash number	Dimensions (inches) ^{1/}				Wire size	Insulation diameter
	A ±0.015 (0.38)	B ±0.015 (0.38)	C ±0.15 (0.38)	D ±0.15 (0.38)		
01	.100 (2.54)	.090 (2.29)	.075 (1.91)	.060 (1.52)	#28 - #24 AWG	.030 - .060 (0.76 – 1.52)
02	.125 (3.18)	.125 (3.18)	.075 (1.91)	.060 (1.52)	#28 - #24 AWG	.050 - .078 (1.27 – 1.98)
03	.120 (3.05)	.111 (2.82)	.090 (2.29)	.080 (2.03)	#24 - #20 AWG	.040 - .080 (1.02 – 2.03)
04	.165 (4.19)	.130 (3.30)	.120 (3.05)	.088 (2.24)	2-#22 or 2-#20 or 1-#18 AWG	2-.045-.072 or (1.14-1.83) 1-.075-.095 (1.91-2.41)

^{1/} Millimeters are in parentheses.

Referenced documents. In addition to MIL-DTL-21097, this specification sheet references the following documents.

MIL-DTL-21097/13

MIL-DTL-21097/17

MIL-DTL-21097/19

ASTM B488

SAE-AMS-QQ-N-290

CONCLUDING MATERIALS

Custodians:

Army – CR

Navy – EC

Air Force – 11

Preparing activity:

DLA - CC

Project: (5935-4505-007)

Review activities:

Army – AR, AT, CR4, MI

Navy – AS, MC, OS

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://www.dodssp.daps.mil>.

PROJECT NUMBER		COMPILATION OF COMMENTS		COMMENT NUMBER
DOCUMENT		COMMENTOR IND NAME OR CODE	[] MFR [] USER [] IND ASSOC	
DOD USE ONLY	DEPT	[] A [] N [] AF [] DLA [] NSA [] CNDN [] NASA	[] ESSENTIAL [] SUGGESTED	
RECOMMENDED DISPOSITION OF COMMENT:		[] ACCEPTANCE [] NON-ACCEPTED-SEE REASON [] WITHDRAW [] MODIFY [] DISCUSS		
FINAL DISPOSITON OF COMMENT:		[] ACCEPTED [] NON-ACCEPTED [] WITHDRAW [] MODIFY		

DESC FORM 155

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DOD USE ONLY	DEPT	[] A [] N [] AF [] DLA [] NSA [] CNDN [] NASA	[] ESSENTIAL [] SUGGESTED	
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