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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;

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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.

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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 /

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cc:
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Note: This draft dated 18 March 2004, prepared by Defense Supply Center Columbus (DSCC-VAI) has not been approved and is subject to modification. DO NOT USE FOR ACQUISITION PURPOSES.

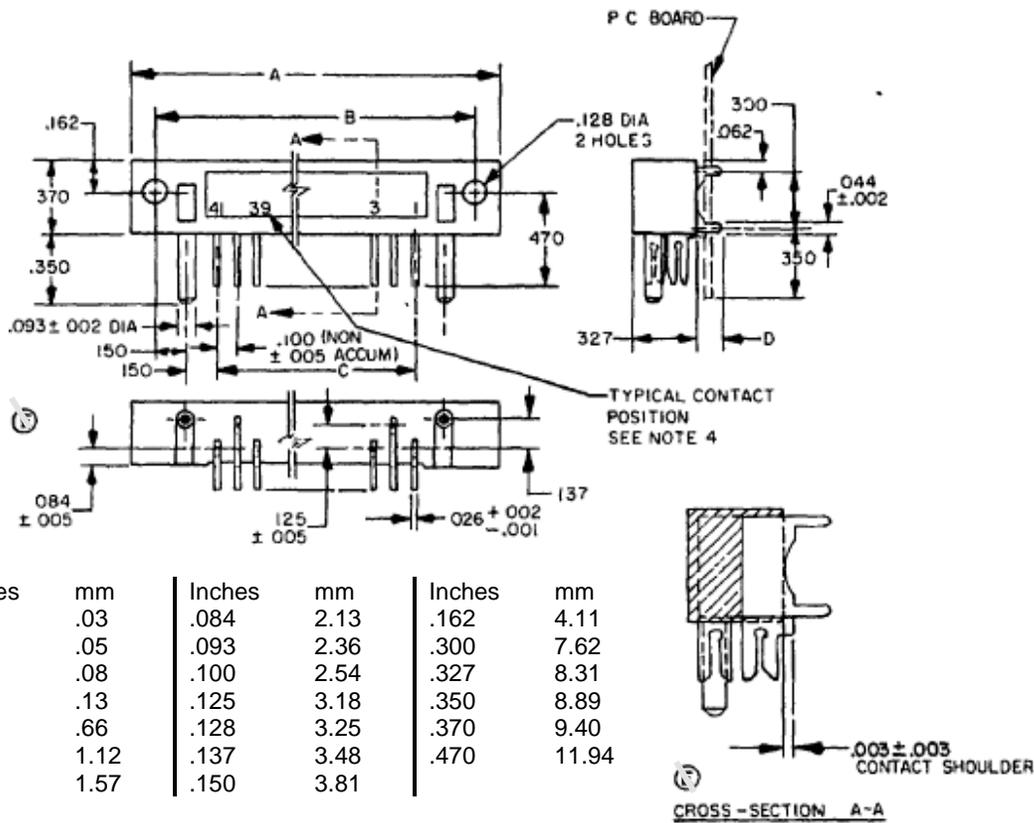
INCH-POUND
MIL-DTL-21097/5F
DRAFT
SUPERSEDING
MIL-C-21097/5E
29 March 1976

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, PRINTED WIRING BOARD
MALE ADAPTER, CONTACT SPACING (.200) ALTERNATE
DUAL ROW, TYPE CS

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.

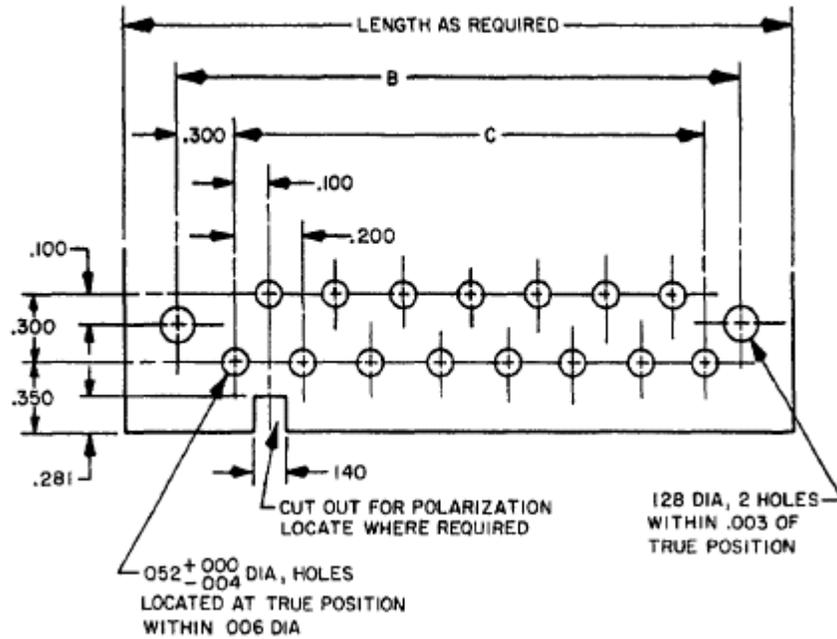


NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is $\pm .010$ (.25 mm) for three place decimals.
3. Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.
4. Contacts shall be designated on the connector using numerals in the location shown.

FIGURE 1. Alternate dual row contacts, type CS.

MIL-DTL-21097/5F



Inches	mm
.003	.08
.004	.10
.006	.15
.052	1.32
.100	2.54
.128	3.25
.140	3.56
.200	5.08
.281	7.14
.300	7.62
.350	8.89

NOTES:

1. Dimensions are in inches.
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3. Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.

FIGURE 2. Printed circuit board mounting and hole pattern.

MIL-DTL-21097/5F

TABLE I. Connector, electrical, male adapter, type CS, class b, no mounting provision A.

Dash number	Style	Size	Dimensions (inches) ^{1/}			
			A (maximum)	B ±0.015 (0.38)	C ±0.005 (0.13)	D ±0.010 (0.25)
01	17	2	2.470 (62.74)	2.200 (55.88)	1.600 (40.64)	.122 (3.10)
02	17	3	2.470 (62.74)	2.200 (55.88)	1.600 (40.64)	.153 (3.89)
03	23	2	3.070 (77.98)	2.800 (71.12)	2.200 (55.88)	.122 (3.10)
04	23	3	3.070 (77.98)	2.800 (71.12)	2.200 (55.88)	.153 (3.89)
05	29	2	3.670 (93.22)	3.400 (86.36)	2.800 (71.12)	.122 (3.10)
06	29	3	3.670 (93.22)	3.400 (86.36)	2.800 (71.12)	.153 (3.89)
07	35	2	4.270 (108.46)	4.000 (101.6)	3.400 (86.36)	.122 (3.10)
08	35	3	4.270 (108.46)	4.000 (101.6)	3.400 (86.36)	.153 (3.89)
09	41	2	4.870 (123.70)	4.600 (116.84)	4.000 (101.6)	.122 (3.10)
10	41	3	4.870 (123.70)	4.600 (116.84)	4.000 (101.6)	.153 (3.89)
11	47	2	5.470 (138.94)	5.200 (132.08)	4.600 (116.84)	.122 (3.10)
12	47	3	5.470 (138.94)	5.200 (132.08)	4.600 (116.84)	.153 (3.89)

^{1/} Millimeters are in parentheses.

MIL-DTL-21097/5F

REQUIREMENTS:

Dimensions and configuration: See figure 1 and table I.

Mating receptacles: Shall conform to MIL-C-21097/4.

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

Part or identifying number (PIN): M21097/5-(dash number from table I).

NOTES

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

MIL-DTL-21097/4
ASTM B 488
SAE-AMS-QQ-N-290

CONCLUDING MATERIALS

Custodians:

Army – CR
Navy – EC
Air Force – 11
DLA – CC

Preparing activity:

DLA - CC
(Project 5935-4505-013)

Review activities:

Army – AR, AT, CR4, MI
Navy – AS, MC, OS, SH

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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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		
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