

INCH-POUND

MIL-DTL-21097/3F
w/AMENDMENT 1
1 February 2017
SUPERSEDING
MIL-DTL-21097/3F
18 August 2005

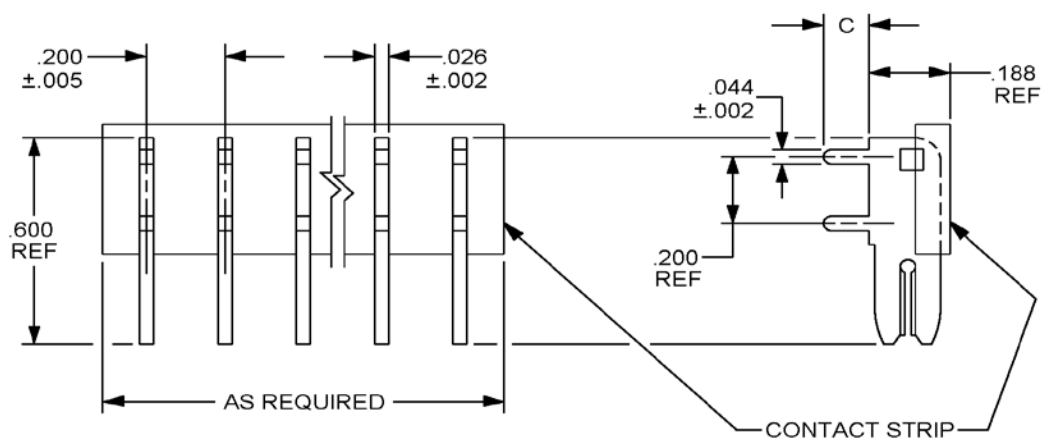
DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, PRINTED WIRING BOARD COMPOSITE, ADAPTER, CONTACT SPACING (.200) INDIVIDUAL CONTACTS, TYPE CS

Inactive for new design after 29 March 1976. For new design,
use MIL-DTL-21097/5.

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
.002	.05
.005	.13
.026	.66
.044	1.12
.188	4.78
.200	5.08
.600	15.24

NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is $\pm$.010 (.25 mm) for three place decimals.
3. Metric equivalents are given for information only.

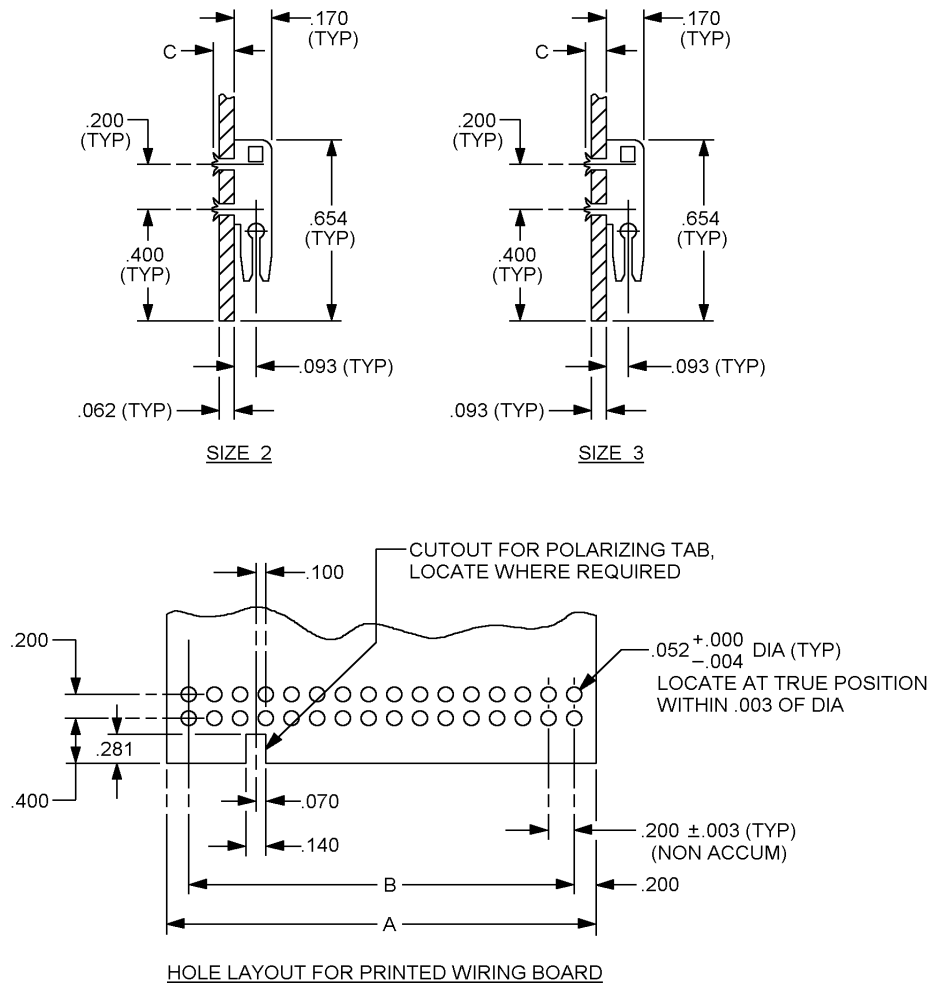
FIGURE 1. Contact strip.

AMSC N/A

FSC 5935



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Inches	mm	Inches	mm
.003	.08	.140	3.56
.004	.10	.170	4.32
.052	1.32	.200	5.08
.062	1.57	.281	7.14
.070	1.78	.400	10.16
.093	2.36	.654	16.61
.100	2.54		

NOTES:

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FIGURE 2. Application information only.

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

Dash number	Style	Size	Dimensions (inches) <u>1/</u> <u>2/</u>		
			A (maximum)	B ±0.005 (0.13)	C ±0.010 (0.25)
01	12	2	2.620 (66.55)	2.200 (55.88)	.122 (3.10)
02	12	3	2.620 (66.55)	2.200 (55.88)	.153 (3.89)
03	15	2	3.220 (81.79)	2.800 (71.12)	.122 (3.10)
04	15	3	3.220 (81.79)	2.800 (71.12)	.153 (3.89)
05	18	2	3.820 (97.03)	3.400 (86.36)	.122 (3.10)
06	18	3	3.820 (97.03)	3.400 (86.36)	.153 (3.89)
07	22	2	4.620 (117.35)	4.200 (106.68)	.122 (3.10)
08	22	3	4.620 (117.35)	4.200 (106.68)	.153 (3.89)
09	26	2	5.420 (137.67)	5.000 (127.0)	.122 (3.10)
10	26	3	5.420 (137.67)	5.000 (127.0)	.153 (3.89)

1/. Dimensions are in inches.

2/. Metric equivalents are given for information only.

REQUIREMENTS

Dimensions and configurations: See figure 1, figure 2, and table I.

Polarizing keys: Part or Identifying Number (PIN) M21097/11-03 or M21097/11-04. A key is inserted into the card slot at even contact numbers 2, 4, 6, etc.

Mating receptacles: Shall be in accordance with MIL-DTL-21097/2.

Printed wiring test boards: Shall be in accordance with IPC-2221 and MIL-PRF-31032.

Finish: Gold plating in accordance with MIL-DTL-45204, type II, grade C, class 1, over nickel plating in accordance with SAE-AMS-QQ-N-290, class 2, 30 to 150 microinches.

Retention of qualification: Group A inspection only.

PIN: M21097/3-(dash number from table I).

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Amendment notations. The margins of this specification are marked with vertical lines to indicate where modifications from this 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 previous issue.

Referenced documents. In addition to MIL-DTL-21097, this document shall reference the following:

MIL-DTL-21097/2
MIL-DTL-21097/5
MIL-PRF-31032
MIL-DTL-45204
IPC-2221
SAE-AMS-QQ-N-290

CONCLUDING MATERIALS

Custodians:

Army – CR
Navy – EC
Air Force – 85
DLA – CC

Preparing activity:
DLA - CC

(Project 5935-2017-008)

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 <https://assist.dla.mil>.