

INCH-POUND

MIL-DTL-21097/15G
18 August 2005
SUPERSEDING
MIL-C-21097/15F
15 February 1989

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, PRINTED WIRING BOARD
MALE ADAPTER, CONTACT SPACING: 0.200, ALTERNATE DUAL ROW,
TYPE CS, BLADE CONTACT (NO MOUNTING PROVISION)

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.

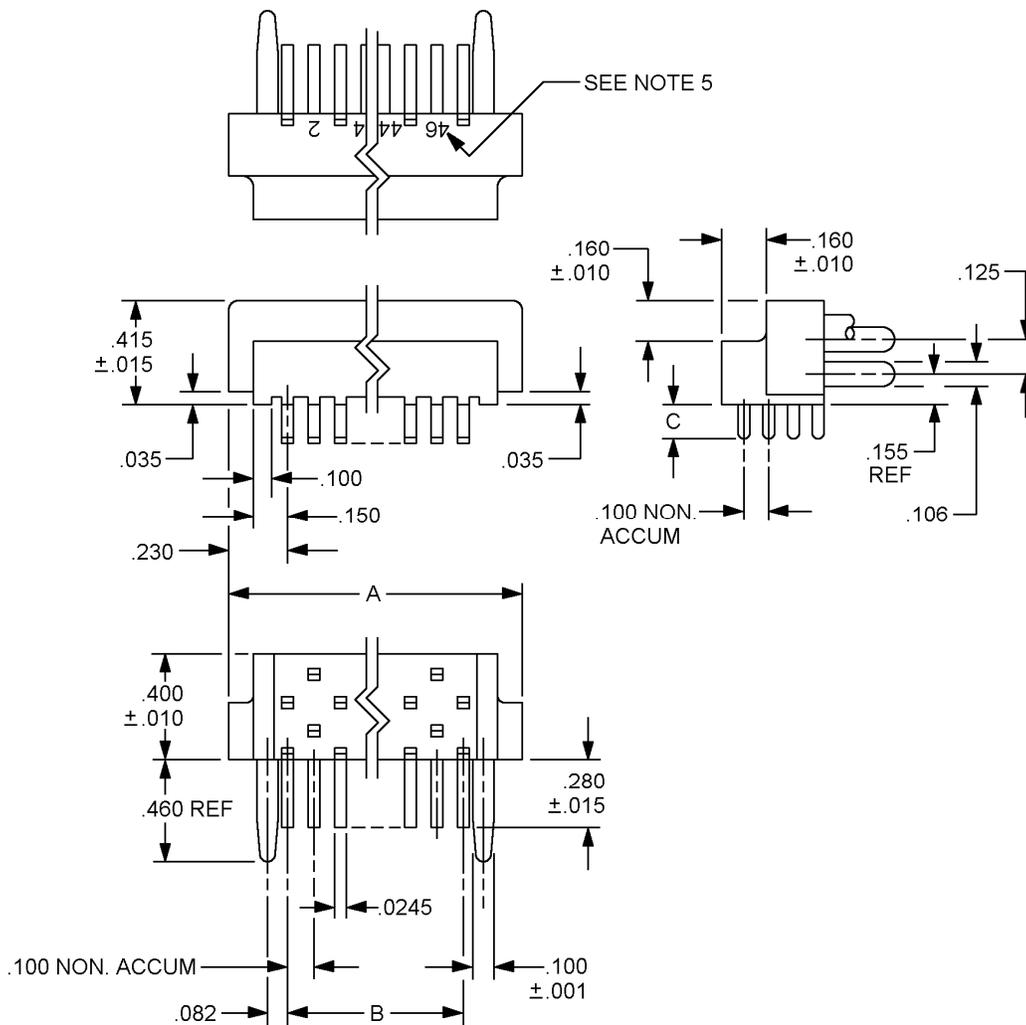


FIGURE 1. Blade contact type CS alternate dual row contacts.

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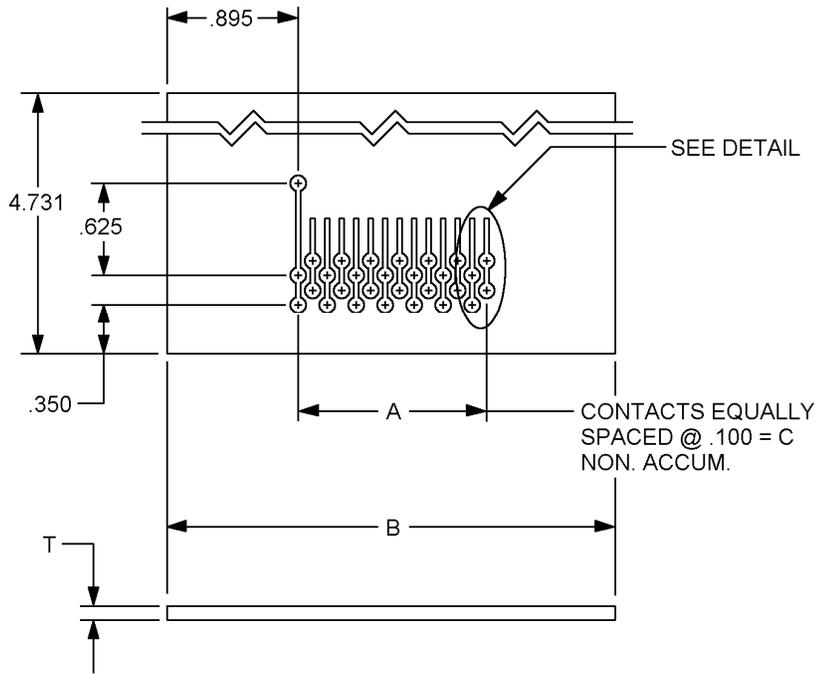
Inches	mm	Inches	mm
.001	0.03	.155	3.94
.010	0.25	.160	4.06
.015	0.38	.200	5.08
.0245	0.622	.230	5.84
.082	2.08	.280	7.11
.100	2.54	.400	10.16
.106	2.69	.415	10.54
.125	3.18	.460	11.68
.150	3.81		

NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is $\pm .005$ (.13 mm) for three place decimals.
3. Metric equivalents are given for information only.
4. See table I for dimensions.
5. All even numbered contacts to be identified with .047 (1.19 mm) minimum high characters, as shown.

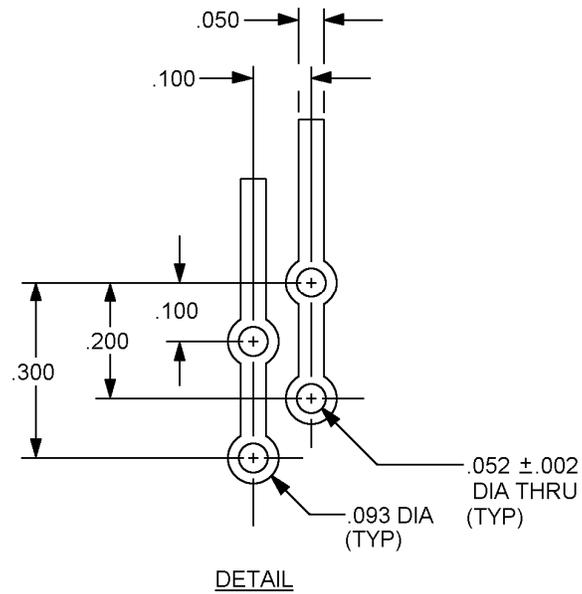
FIGURE 1. Blade contact type CS alternate dual row contacts - Continued.

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Printed wiring board	
Size	T dim
2	.062 (1.57)
3	.093 (2.36)
4	.125 (3.18)

Inches	mm
.002	0.05
.050	1.27
.052	1.32
.093	2.36
.100	2.54
.200	5.08
.300	7.62
.350	8.89
.625	15.88
.895	22.73
4.731	120.17



NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is $\pm .005$ (.13 mm) for three-place decimals.
3. Metric equivalents are given for information only.
4. See table II for dimensions B and C.

FIGURE 2. Printed wiring test board.

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REQUIREMENTS

Dimensions and configuration: See figure 1 and table I.

Contact material: Gilding metal brass in accordance with copper alloy UNS C21000 of ASTM B36.

Mating receptacle: Shall be in accordance with MIL-DTL-21097/13.

Printed wiring test board: Two-ounce copper one side only, gold plated in accordance with IPC-D-275. Board in accordance with IPC-D-275. See figure 2 for the applicable connector size.

Finish: See MIL-DTL-21097.

Part or Identifying Number (PIN): M21097/15-(dash number from table I).

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

Dash number	Style	Size	Dimensions (inches) ^{1/2}		
			A (maximum)	B	C ±.010 (0.25)
01	17	2			0.120 (3.05)
02	17	3	2.070 (52.58)	1.600 (40.64)	0.152 (3.86)
03	17	4			0.183 (4.65)
04	23	2			0.120 (3.05)
05	23	3	2.670 (67.82)	2.200 (55.88)	0.152 (3.86)
06	23	4			0.183 (4.65)
07	29	2			0.120 (3.05)
08	29	3	3.270 (83.06)	2.800 (71.12)	0.152 (3.86)
09	29	4			0.183 (4.65)
10	35	2			0.120 (3.05)
11	35	3	3.870 (98.30)	3.400 (86.36)	0.152 (3.86)
12	35	4			0.183 (4.65)
13	41	2			0.120 (3.05)
14	41	3	4.470 (113.54)	4.000 (101.60)	0.152 (3.86)
15	41	4			0.183 (4.65)

See footnote at end of table.

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

Dash number	Style	Size	Dimensions (inches) ^{1/}		
			A (maximum)	B	C ±0.010 (0.25)
16	47	2			0.120 (3.05)
17	47	3	5.070 (128.78)	4.600 (116.84)	0.152 (3.86)
18	47	4			0.183 (4.65)

^{1/} Dimensions are in inches. Metric equivalents are given for information only.

TABLE II. Printed wiring test board.

Style	Dimensions (inches) ^{1/}	
	B	C
17	3.390 (86.10)	1.600 (40.64)
23	3.990 (101.34)	2.200 (55.88)
29	4.590 (116.58)	2.800 (71.12)
35	5.190 (131.82)	3.400 (86.36)
41	5.790 (147.06)	4.000 (101.60)
47	6.390 (162.23)	4.600 (116.84)

^{1/} Millimeters are in parentheses.

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

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

MIL-DTL-21097/13
 ASTM B36
 IPC-D-275

MIL-DTL-21097/15G

CONCLUDING MATERIALS

Custodians:

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

Preparing activity:

DLA - CC

(Project 5935-4505-006)

Review activities:

Army – AR, AT, AV, 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://assist.daps.dla.mil>.