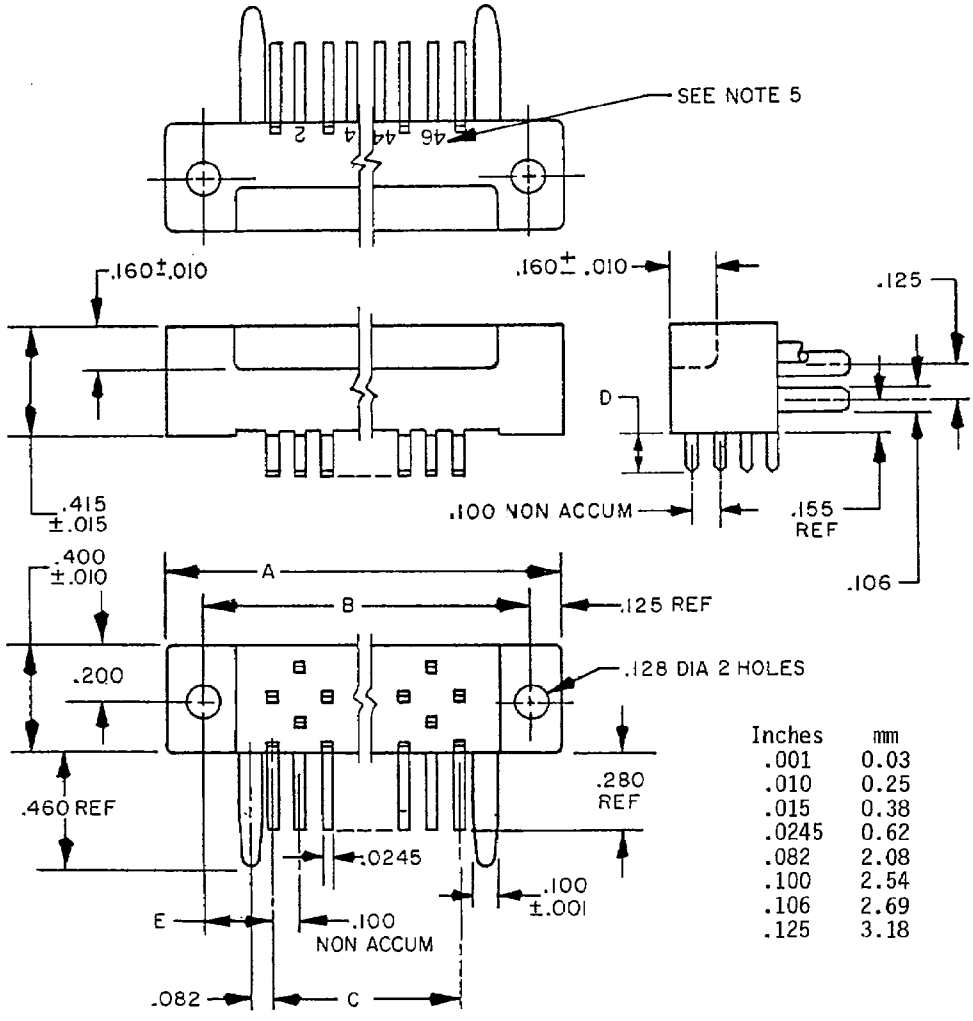
MILITARY SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, PRINTED WIRING BOARD MALE ADAPTER, CONTACT SPACING: 0.200, ALTERNATE DUAL ROW, TYPE CS, BLADE CONTACT (MOUNTING PROVISION A)

The requirements for acquiring the connectors described herein shall consist of this specification and the latest issue of MIL-C-21097.

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



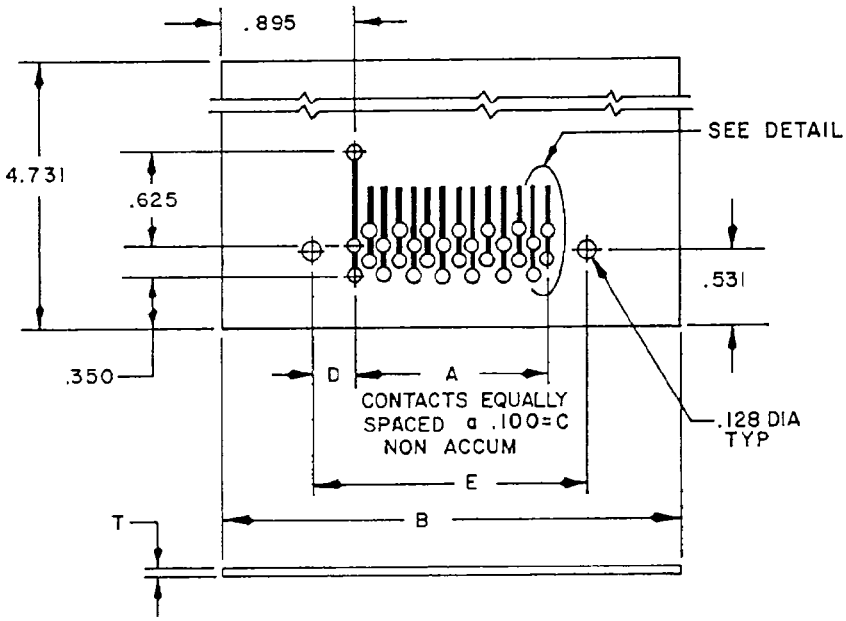
Inches	mm	Inches	mm
.001	0.03	.128	3.25
.010	0.25	.155	3.94
.015	0.38	.160	4.06
.0245	0.62	.200	5.08
.082	2.08	.280	7.11
.100	2.54	.400	10.16
.106	2.69	.415	10.54
.125	3.18	.460	11.68

NOTES:
1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is ±.005 (.13 mm) for three-place decimals.
3. Metric equivalents are given for general information only.
4. See table I for dimensions.
5. All even numbered contacts to be identified with 3/64 (1.19 mm) minimum high characters, as shown.

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

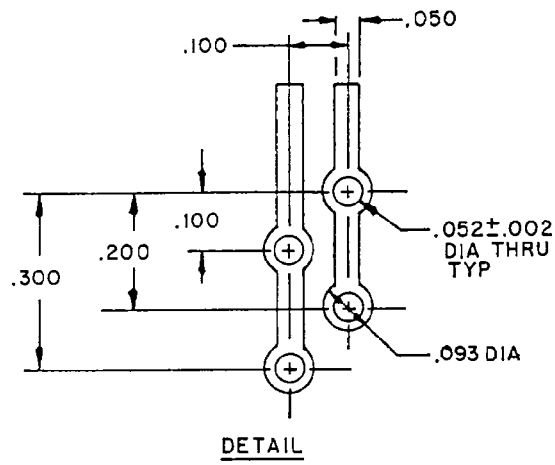
Ⓔ denotes changes

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.



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

Inches	mm	Inches	mm
.002	0.05	.300	7.62
.050	1.27	.350	8.89
.052	1.32	.531	13.49
.093	2.36	.625	15.88
.100	2.54	.895	22.73
.128	3.25	4.731	120.17
.200	5.08		



NOTES:
1. Dimensions are in inches.
2. Unless otherwise specified, tolerance is ±.005 (.13 mm) for three-place decimals.
3. Metric equivalents are given for general information only.
4. Millimeters are in parentheses.
5. See table II for dimensions B, C, D, and E.

FIGURE 2. Printed wiring test board.

REQUIREMENTS:

Dimensions and configurations: See figure 1 and table I.

Contact material: Gilding metal brass conforming to copper alloy number 210 of MIL-C-21768.

Mating receptacle: Shall conform to MIL-C-21097/13.

Printed wiring test board: Two-ounce copper one side only, gold plated as specified in MIL-STD-275. Board shall conform to MIL-STD-275 and MIL-P-55110. See figure 2 for the applicable connector size.

(E) Finish: See MIL-C-21097.

Part number: M21097/14-(dash number from table I).

TABLE I. Connector, electrical, male adapter, type CS, class b, mounting provision A.

Dash number	Style	Size	Dimensions (inches) 1/				
			A (maximum)	B ±0.007 (0.18)	C	D ±0.010 (0.25)	E
01	17	2				0.120 (3.05)	
02	17	3	2.390 (60.71)	2.130 (54.10)	1.600 (40.64)	0.152 (3.86)	0.265 (6.73)
03	17	4				0.183 (4.65)	
04	23	2				0.120 (3.05)	
05	23	3	2.990 (75.95)	2.730 (69.34)	2.200 (55.88)	0.152 (3.86)	0.265 (6.73)
06	23	4				0.183 (4.65)	
07	29	2				0.120 (3.05)	
08	29	3	3.590 (91.19)	3.330 (84.58)	2.800 (71.12)	0.152 (3.86)	0.265 (6.73)
09	29	4				0.183 (4.65)	
10	35	2				0.120 (3.05)	
11	35	3	4.190 (106.43)	3.930 (99.82)	3.400 (86.36)	0.152 (3.86)	0.265 (6.73)
12	35	4				0.183 (4.65)	

1/ Millimeters are in parentheses.

TABLE I. Connector, electrical, male adapter, type CS, class b, mounting provision A -Continued.

Dash number	Style	Size	Dimensions (inches) 1/				
			A (maximum)	B ±0.007 (0.18)	C	D ±0.010 (0.25)	E
13	41	2				0.120 (3.05)	
14	41	3	4.790 (121.67)	4.530 (115.06)	4.000 (101.60)	0.152 (3.86)	0.265 (6.73)
15	41	4				0.183 (4.65)	
16	47	2				0.120 (3.05)	
17	47	3	5.623 (142.82)	5.363 (136.22)	4.600 (116.84)	0.152 (3.86)	0.381 (9.68)
18	47	4				0.183 (4.65)	

1/ Millimeters are in parentheses.

TABLE II. Printed wiring test board.

Style	Dimensions (inches) 1/			
	B	C	D	E
17	3.390 (86.10)	1.600 (40.64)	.265 (6.73)	2.130 (54.10)
23	3.990 (101.34)	2.200 (55.88)	.265 (6.73)	2.730 (69.34)
29	4.590 (116.58)	2.800 (71.12)	.265 (6.73)	3.330 (84.58)
35	5.190 (131.82)	3.400 (86.36)	.265 (6.73)	3.930 (99.82)
41	5.790 (147.06)	4.000 (101.60)	.265 (6.73)	4.530 (115.06)
47	6.390 (162.23)	4.600 (116.84)	.381 (9.67)	5.363 (136.22)

1/ Millimeters are in parentheses.

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Review activities:
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Navy - MC, OS, SH

Preparing activity:
Navy - EC

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DLA - ES

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