

INCH-POUND

MIL-DTL-55074/4D

28 April 2015

SUPERSEDING

MIL-DTL-55074/4C

12 August 2003

DETAIL SPECIFICATION SHEET

CONTACT ASSEMBLY, ELECTRICAL

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 and MIL-DTL-55074.

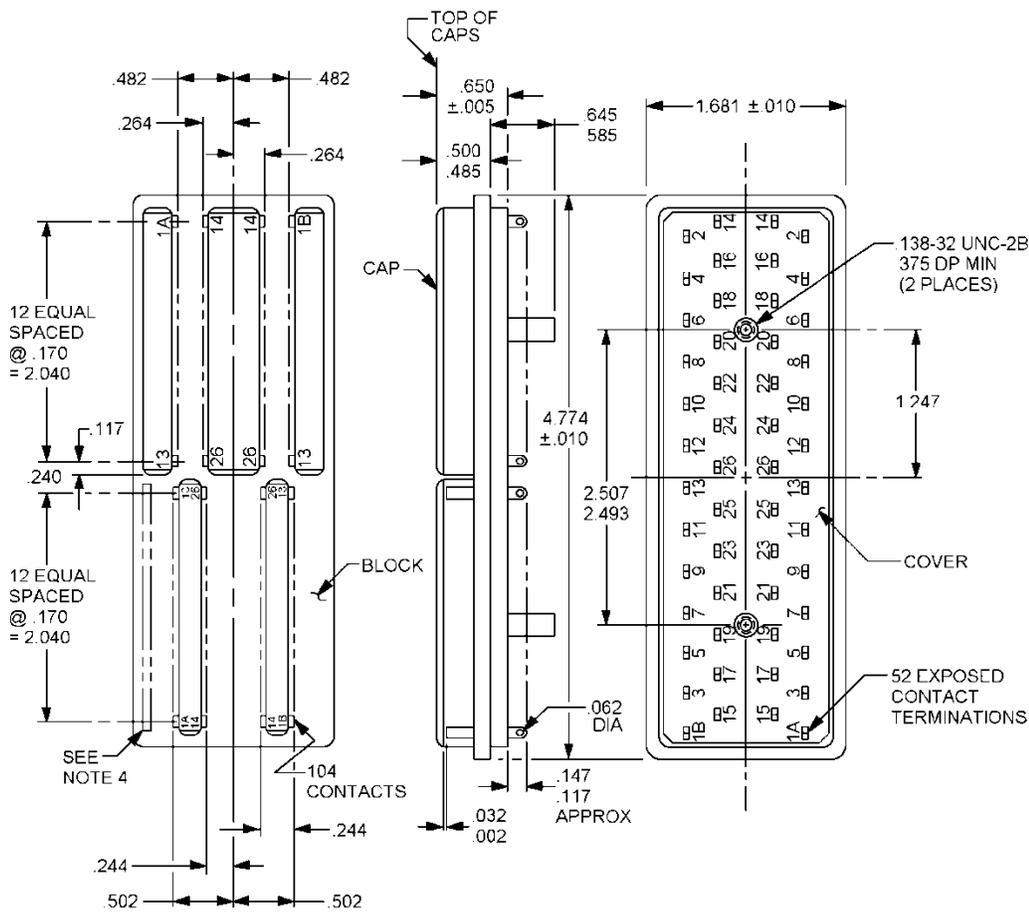


FIGURE 1. Contact assembly.



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Inches	mm	Inches	mm	Inches	mm
.002	0.05	.240	6.10	.645	16.38
.005	0.13	.244	6.20	1.247	31.67
.010	0.25	.264	6.71	1.681	42.70
.032	0.81	.375	9.52	2.040	51.82
.062	1.57	.482	12.24	2.493	63.32
.117	2.97	.485	12.32	2.507	63.68
.138	3.51	.500	12.70	4.774	121.26
.147	3.73	.502	12.75		
.170	4.32	.585	14.86		

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerance is $\pm .005$ (0.13 mm).
4. Marking to appear in area shown. Marking to consist of manufacturer's name or CAGE code, CONN. ASSY. ELEC., MX-3227/G (M55074/4), molded in characters approximately .062 inch (1.57mm) high.
5. This connector assembly comes assembled in connectors M55074/1 (U-185B/G), M55074/2 (U-186C/G), and M55074/3 (U-187A/G).
6. M55074/4 represents MX-3227/G where applicable in MIL-DTL-55074.
7. Contacts, studs, cover and caps to be fastened to block using epoxy resin or equivalent.
8. Contact assembly shall be manufactured in accordance with drawing number SC-DL-68558.
9. Contact assembly must conform to interchangeability requirements of gage number SC-DL-57982.

FIGURE 1. Connector assembly – Continued.

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REQUIREMENTS:

Dimensions and configuration: See figure 1.

Material:

Block - Diallyl phthalate, type SDGF in accordance with ASTM-D5948, color green, or polyphenylene sulfide, type GST-40F in accordance with MIL-M-24519, color optional.

Cover - Diallyl phthalate, type SDGF in accordance with ASTM-D5948, color green, or polyphenylene sulfide, type GST-40F in accordance with MIL-M-24519, color optional.

Caps - Polycarbonate in accordance with ASTM-D3935, color gray.

Contacts - Beryllium copper in accordance with ASTM-B196/B196M and ASTM-B197/B197M. Finish; gold, type II, code C, class 1.25 in accordance with ASTM-B488, over nickel underplate in accordance with SAE-AMS-QQ-N-290, class 2, 100 to 200 microinches thick, over copper underplate in accordance with SAE-AMS-2418, 75 to 150 microinches thick.

Epoxy resin - Shall be nonconductive and have a contrasting color with all parts of the assembly.

Part or Identifying Number (PIN): M55074/4-01.

Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue 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 last previous issue.

Referenced documents. In addition to MIL-DTL-55074, this document references the following:

MIL-M-24519
ASTM-B196/B196M
ASTM-B197/B197M
ASTM-B488
ASTM-D3935
ASTM-D5948
SAE-AMS-2418
SAE-AMS-QQ-N-290
SC-DL-57982
SC-DL-68558

CONCLUDING MATERIAL

MIL-DTL-55074/4D

Custodians:
Army - CR
DLA – CC

Preparing activity:
DLA - CC

(Project: 5935-2015-146)

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>.