

MIL-DTL-55074/4C

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-C-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 and ASTM B197. 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.

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

CONCLUDING MATERIAL

Custodians:
Army - CR
DLA - CC

Preparing activity:
DLA - CC

(Project 5935-4437-004)