

INCH-POUNDS

MIL-DTL-28754/21F
21 November 2014
SUPERSEDING
MIL-C-28754/21E
29 November 1991

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, MODULAR, FRAME,
CASTING, TYPE IV, DOUBLE SPAN

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-C-28754.

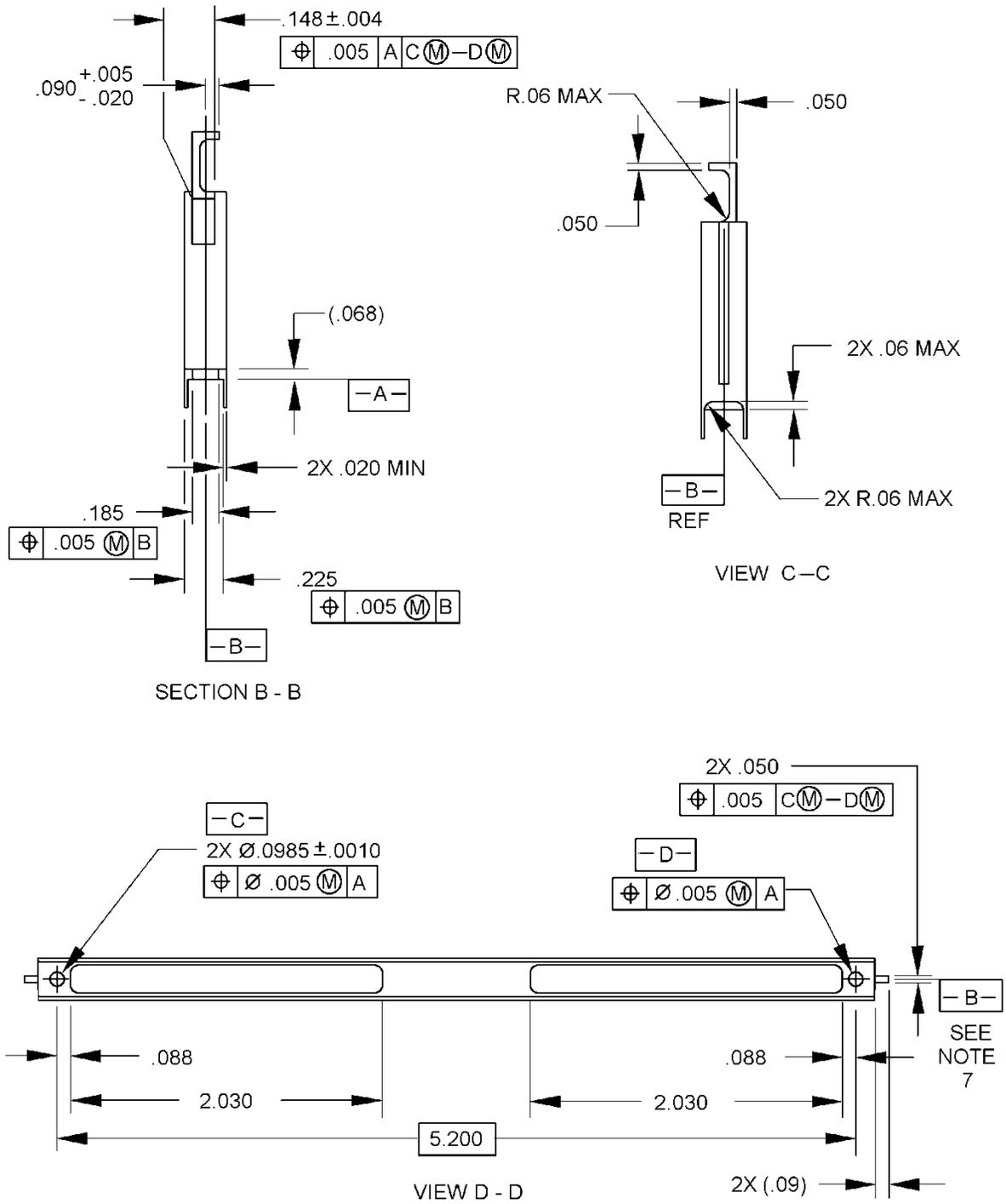
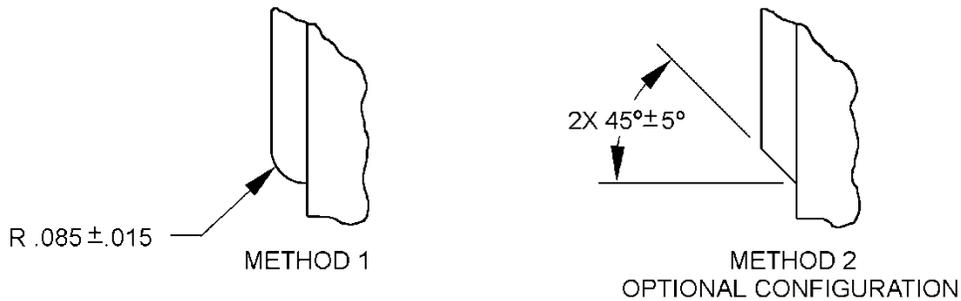


FIGURE 1. Dimensions and configurations - Continued.

MIL-DTL-28754/21F



DETAIL A

Inches	mm	Inches	mm	Inches	mm	Inches	mm
.0010	0.025	.03	0.8	.128	3.25	1.281	32.54
.002	0.05	.04	1.0	.130	3.30	1.680	42.67
.003	0.08	.050	1.27	.148	3.76	2.030	51.56
.004	0.10	.05	1.3	.150	3.81	2.070	52.58
.005	0.13	.06	1.5	.155	3.94	3.130	79.50
.006	0.15	.085	2.16	.170	4.32	4.800	121.92
.007	0.18	.087	2.21	.185	4.70	4.890	124.21
.010	0.25	.088	2.24	.195	4.95	5.030	127.76
.01	0.3	.090	2.29	.225	5.72	5.200	132.08
.015	0.38	.09	2.3	.284	7.21	5.320	135.13
.02	0.5	.094	2.39	.288	7.32	5.440	138.18
.020	0.51	.0985	2.502	.330	8.38	5.620	142.75
.022	0.56	.110	2.79	1.202	30.53		

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information.
3. Unless otherwise specified, tolerance is $\pm .005$ on three place decimals, $\pm .01$ on two place decimals and $\pm 2^\circ$ on angles.
4. Mark on this area with white characters or raised cast characters .06 inch high, raised .01 maximum. No marking but Part or Identifying number (PIN).
5. All surfaces to have 125 microinch finish unless otherwise specified.
6. Fillets and edges will have .02 radius maximum unless otherwise specified.
7. A line passing through the centers of the two .0985 \pm .0010 diameter holes establishes -B-.
8. Contact numbers 1 and 20 shall be marked on the pin shield in white characters .06 inch high; on opposite side mark 21 and 40.
9. Casting shall not show evidence of flashing or ejector pin marks that extend above the surface.
10. These 4 holes accommodate insert M28754/41-01 and screw M28754/40-01.
11. Center two H holes shall have a .170 \pm .03 diameter area on both sides coated with a chemical film.
12. Draft allowances shall remain within specified part tolerances.
13. All dimensional measurements shall be made with the part in a restrained position.

FIGURE 1. Dimensions and configurations – Continued.

MIL-DTL-28754/21F

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Material: Aluminum alloy, casting, A03600 or A03800 in accordance with ASTM B85/B85M.

Chemical film: MIL-DTL-5541, class 3 (Center two H holes (see note 11)).

Anodic coating: MIL-A-8625, type II, class 2, black on all other surfaces except surfaces indicated (see note 11).

Marking: In accordance with MIL-C-28754 and figure 1.

PIN: M28754/21- (dash number from table I).

TABLE I

Dash numbers and characteristics	
Dash no	Surface treatment
01	With anodize and chemical film
02	Without anodize, without chemical film, without any marking
03	With anodize, with chemical film, without any marking

First article testing: Perform the applicable tests as specified in MIL-C-28754 and the appendix thereto.

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 previous issue.

Referenced documents. In addition to MIL-C-28754, this document references the following:

- MIL-A-8625
- MIL-DTL-5541
- ASTM B85/B85M

MIL-DTL-28754/21F

CONCLUDING MATERIAL

Custodians:

Army – CR
Navy – AS
Air Force – 85
DLA - CC

Preparing activity:

DLA - CC

(Project 5935-2014-073)

Review activities:

Army AR, MI
Navy – MC
Air Force – 99

NOTE: The activities 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>.