

INCH-POUNDS

MIL-DTL-28754/22H  
21 November 2014  
SUPERSEDING  
MIL-C-28754/22G  
29 November 1991

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, MODULAR, FRAME,  
CASTING, TYPE IV, SINGLE 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.

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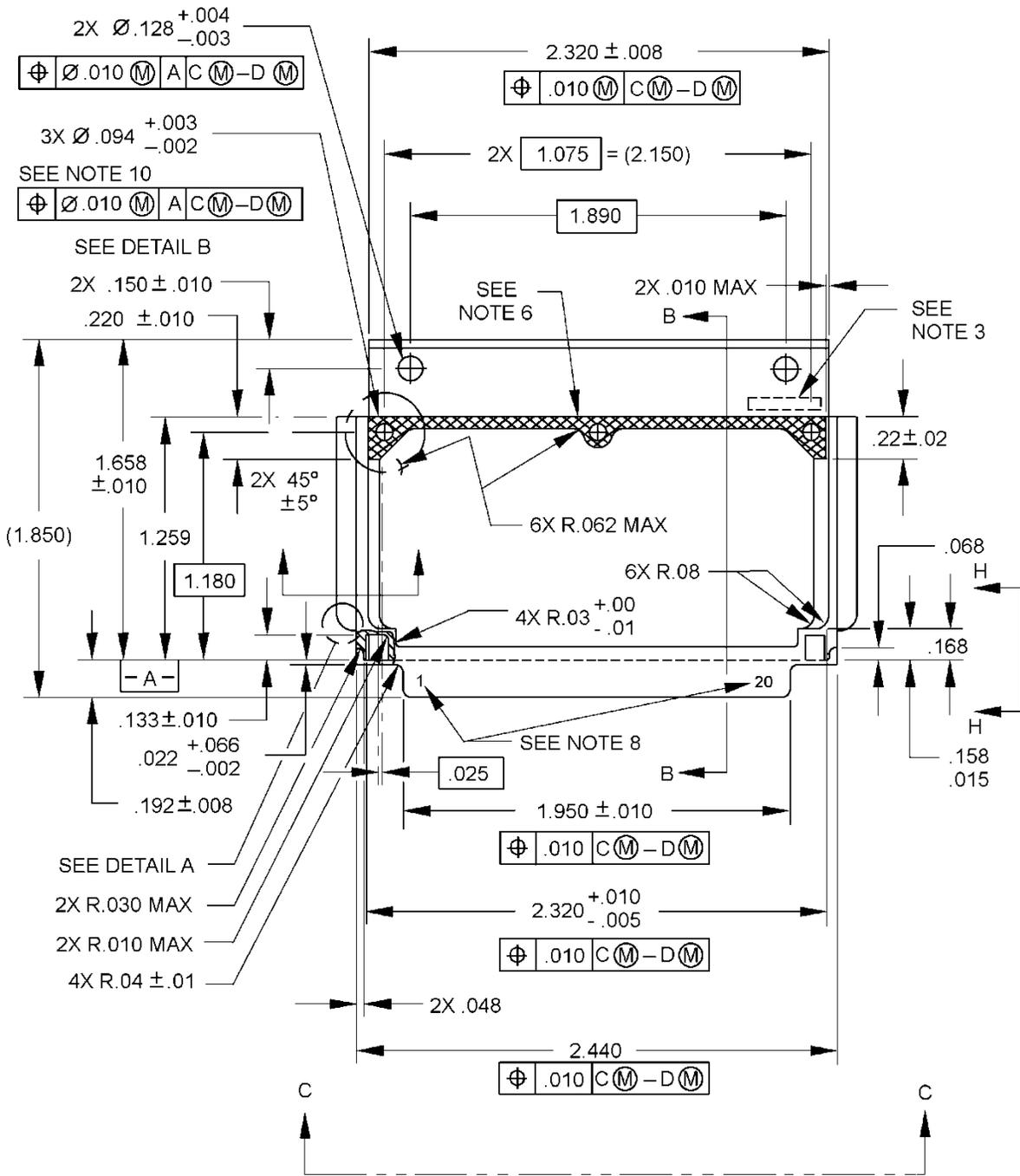


FIGURE 1. Dimensions and configurations.

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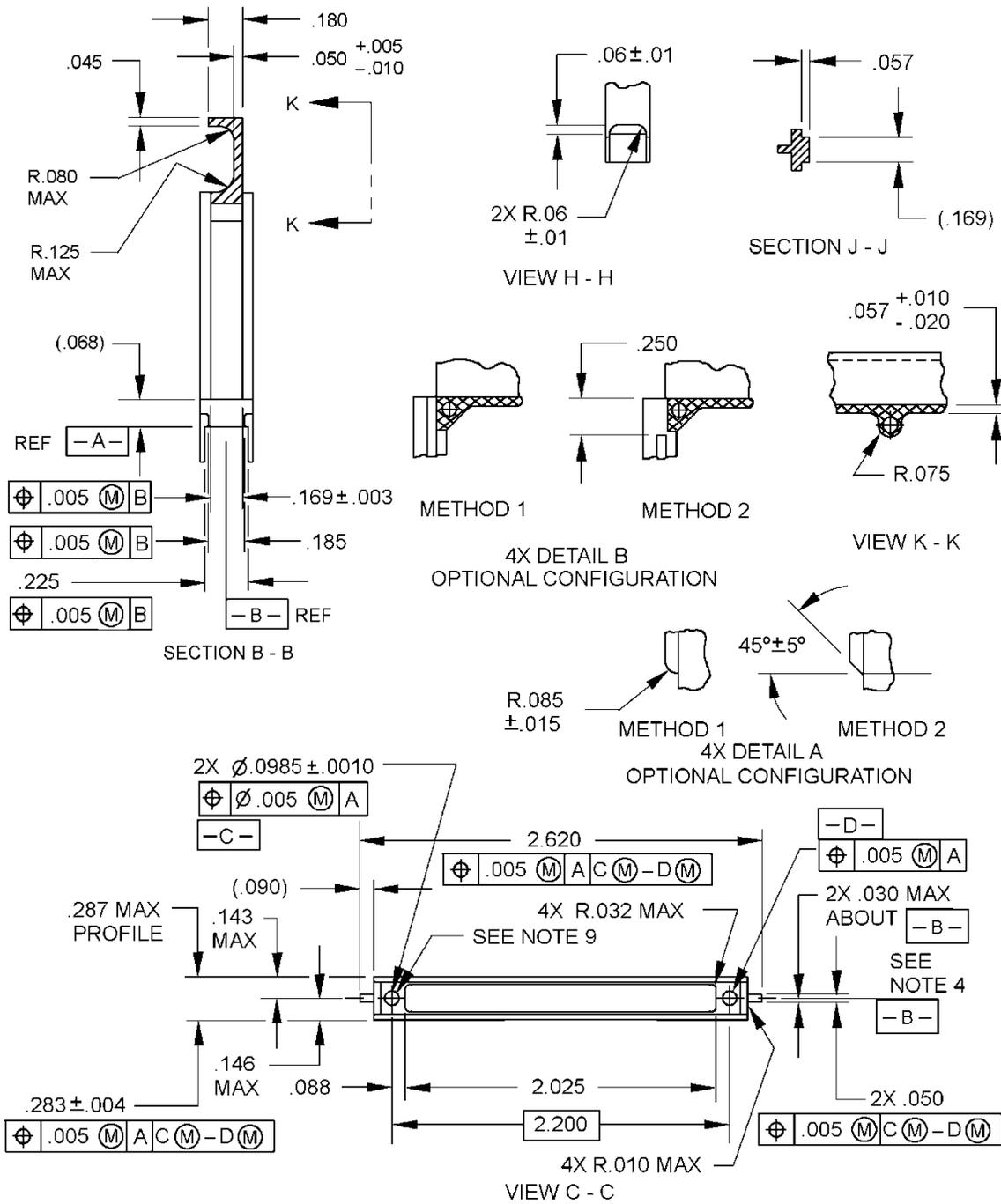


FIGURE 1. Dimensions and configurations – Continued.

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Inches	mm	Inches	mm	Inches	mm	Inches	mm
.0010	0.025	.045	1.14	.128	3.25	1.202	30.53
.002	0.05	.048	1.22	.143	3.63	1.281	32.54
.003	0.08	.050	1.27	.146	3.71	1.680	42.67
.004	0.10	.057	1.45	.150	3.81	1.850	46.99
.005	0.13	.06	1.5	.155	3.94	1.890	48.01
.006	0.15	.062	1.57	.169	4.29	1.950	49.53
.0075	0.190	.075	1.90	.170	4.32	2.025	51.44
.010	0.25	.080	2.03	.180	4.57	2.200	55.88
.01	0.38	.085	2.16	.185	4.70	2.320	58.93
.015	0.51	.087	2.21	.190	4.83	2.440	61.98
.020	0.56	.090	2.29	.220	5.59		
.022	0.64	.094	2.39	.225	5.72		
.025	0.76	.0985	2.502	.250	6.35		
.030	0.81	.110	2.79	.283	7.19		
.032	1.0	.125	3.18	1.075	27.30		
.04							

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information.
3. Mark on this area with white characters or raised cast characters .06 high, raised .01 maximum. No marking but Part or Identifying Number (PIN).
4. A line passing through the centers of the two .0985 ± .0010 diameter holes establishes -B-.
5. All surfaces to have 125 micro inch finish unless otherwise specified.
6. Surfaces indicated by  shall be coated with a chemical film on both near and far sides.
7. Unless otherwise specified, tolerance is ± .005 on three place decimals, ± .01 on two place decimals and ± 2° on angles.
8. Contact numbers 1, 20, 21 and 40 shall be marked on the pin shield in white characters, .06 inch high except as noted in table I.
9. Holes are not drilled through; drill points optional.
10. These 3 holes accommodate insert M28754/41-01 and screw M28754/40-01 which are not furnished with assembly and are applicable to M28754/22-01 through -03 only. For M28754/22-04 there are no holes, and no inserts and screws provided with the assembly.
11. Draft allowances shall remain within specified part tolerances.
12. All dimensional measurements shall be made with the part in a restrained position.

FIGURE 1. Dimensions and configurations – Continued.

REQUIREMENTS:

Dimensions and configuration: See figure 1.

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

Surface treatment: Anodized parts shall be in accordance with MIL-A-8625, type II, class 2, black except surfaces indicated by  shall be coated with a chemical film in accordance with MIL-DTL-5541, class 3.

Casting: Casting shall not show evidence of flashing or pin ejection marks exceeding above surface.

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

Military part number: M28754/22- (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
04	See note 10

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

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CONCLUDING MATERIAL

Custodians:

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

Preparing activity:

DLA - CC

(Project 5935-2014-074)

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>.