

INCH-POUNDS

MIL-DTL-28754/23G
21 November 2014
SUPERSEDING
MIL-C-28754/23F
29 November 1991

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, MODULAR,
CONNECTOR ASSEMBLY, 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.

MIL-DTL-28754/23G

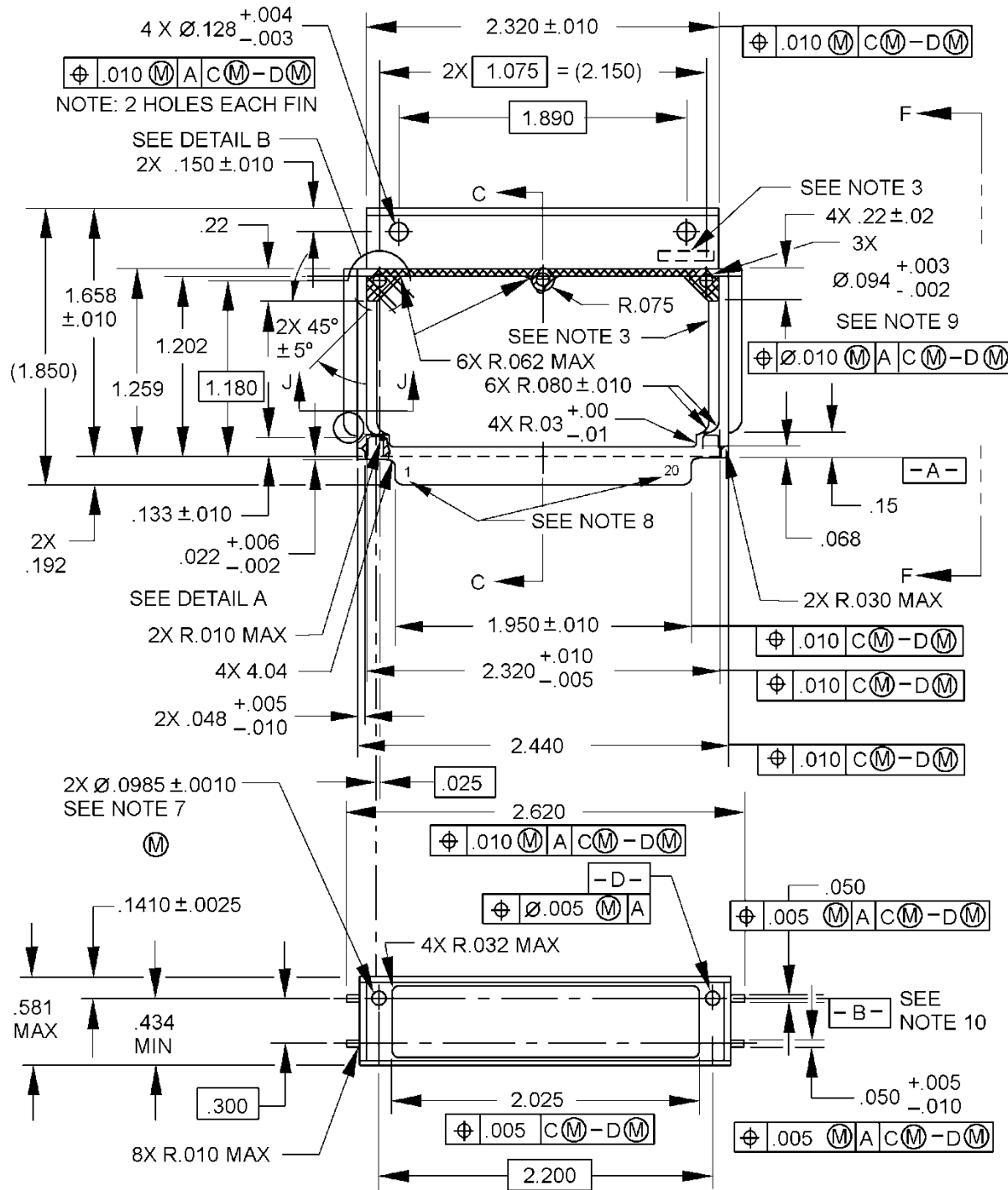


FIGURE 1. Dimensions and configurations.

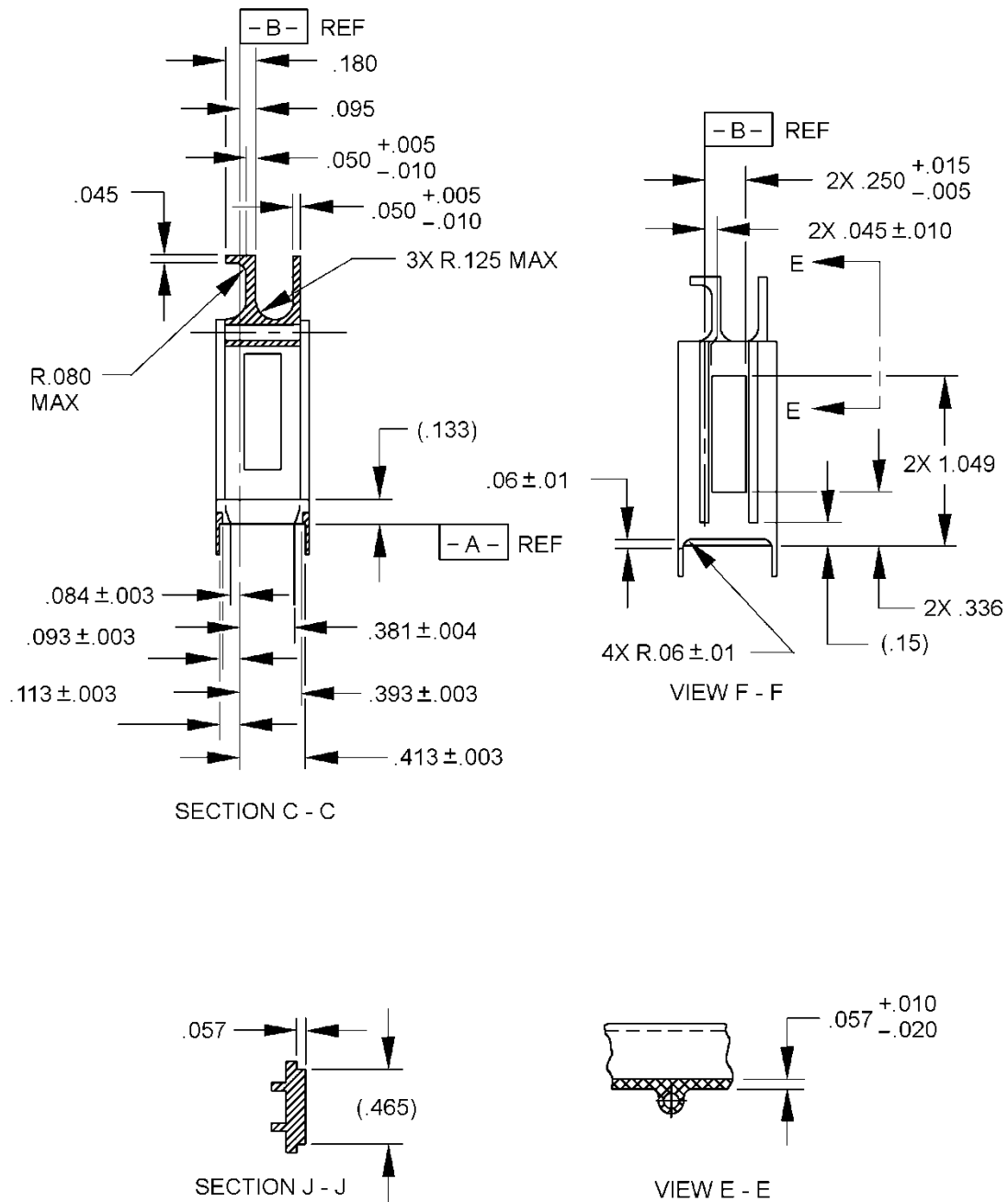
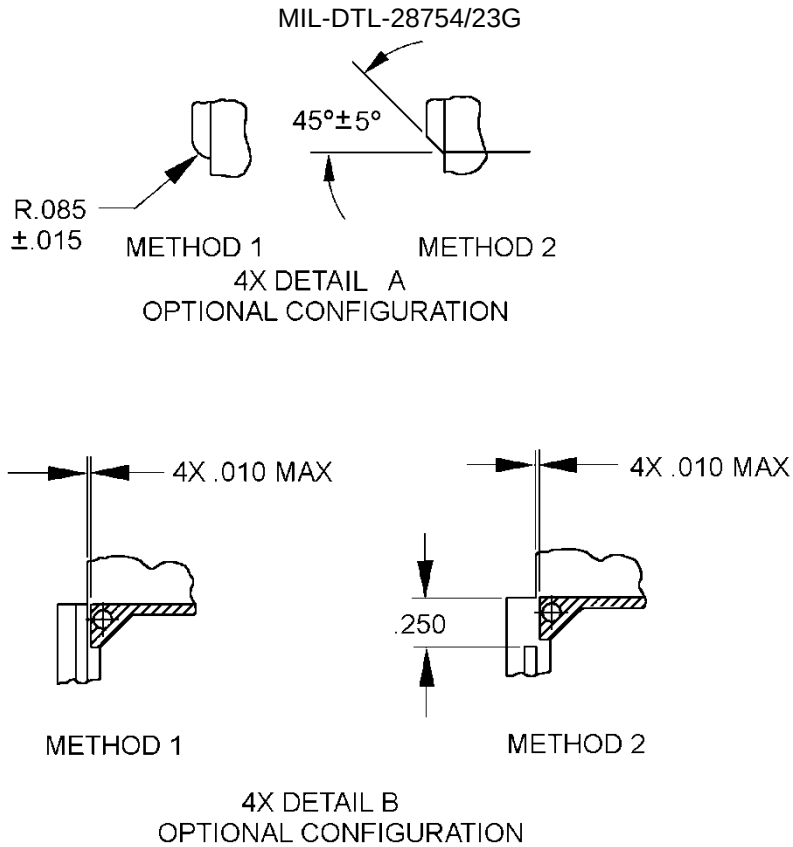


FIGURE 1. Dimensions and configurations – Continued.



Inches	mm	Inches	mm	Inches	mm	Inches	mm
.0010	0.025	.04	1.0	.125	3.18	1.071	27.20
.002	0.05	.045	1.14	.128	3.25	1.075	27.30
.0025	0.064	.048	1.22	.1410	3.581	1.202	30.53
.003	0.08	.050	1.27	.150	3.81	1.224	31.09
.004	0.10	.057	1.45	.155	3.94	1.281	32.54
.005	0.13	.06	1.5	.1700	4.318	1.680	42.67
.006	0.15	.062	1.57	.180	4.57	1.850	46.99
.0075	0.190	.075	1.90	.22	5.6	1.890	48.01
.01	0.25	.080	2.03	.250	6.35	1.950	49.53
.010	0.3	.0845	2.146	.300	7.62	2.025	51.44
.015	0.38	.090	2.29	.358	9.09	2.200	55.88
.020	0.51	.093	2.36	.381	9.68	2.320	58.93
.022	0.56	.094	2.392	.393	9.98	2.440	61.98
.025	0.64	.095	2.41	.4250	10.795	2.620	66.55
.030	0.76	.0985	2.502	.434	11.02		
.032	0.81	.1125	2.858	.581	14.76		

FIGURE 1. Dimensions and configurations – Continued.

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information.
3. Mark on this portion of frame with white characters or raised cast characters .06 high, raised .01 maximum. No marking but identifying part number.
4. All surfaces to have 125 micro inch finish unless otherwise specified.
5. Surfaces indicated by  shall be coated with a chemical film on both near and far sides.
6. Unless otherwise specified, tolerance is $\pm .005$ on three place decimals, $\pm .01$ on two place decimals and $\pm 2^\circ$ on angles.
7. Holes shall not be drilled through; drill points optional.
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, except as noted in table I.
9. These three holes accommodate insert M28754/41-01 and screw M28754/40-03.
10. A line passing through the center of the two $.0985 \pm .0010$ diameter holes establishes datum -B-.
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: Part or Identifying Number (PIN) M28754/23-01 and 23-03 shall be anodized 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.

PIN: M28754/23- (dash number from table I).

TABLE I Dash numbers and characteristics	
Dash number	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

CONCLUDING MATERIAL

Custodians:

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

Preparing activity:
DLA - CC

(Project 5935-2014-075)

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>.