

INCH-POUND

MIL-DTL-28754/9E
w/AMENDMENT 1
28 May 2025
SUPERSEDING
MIL-DTL-28754/9E
21 November 2014

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, MODULAR, TYPE IV, DOUBLE SPAN, CONNECTOR ASSEMBLY, (DIP FRAME)

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-DTL-28754.



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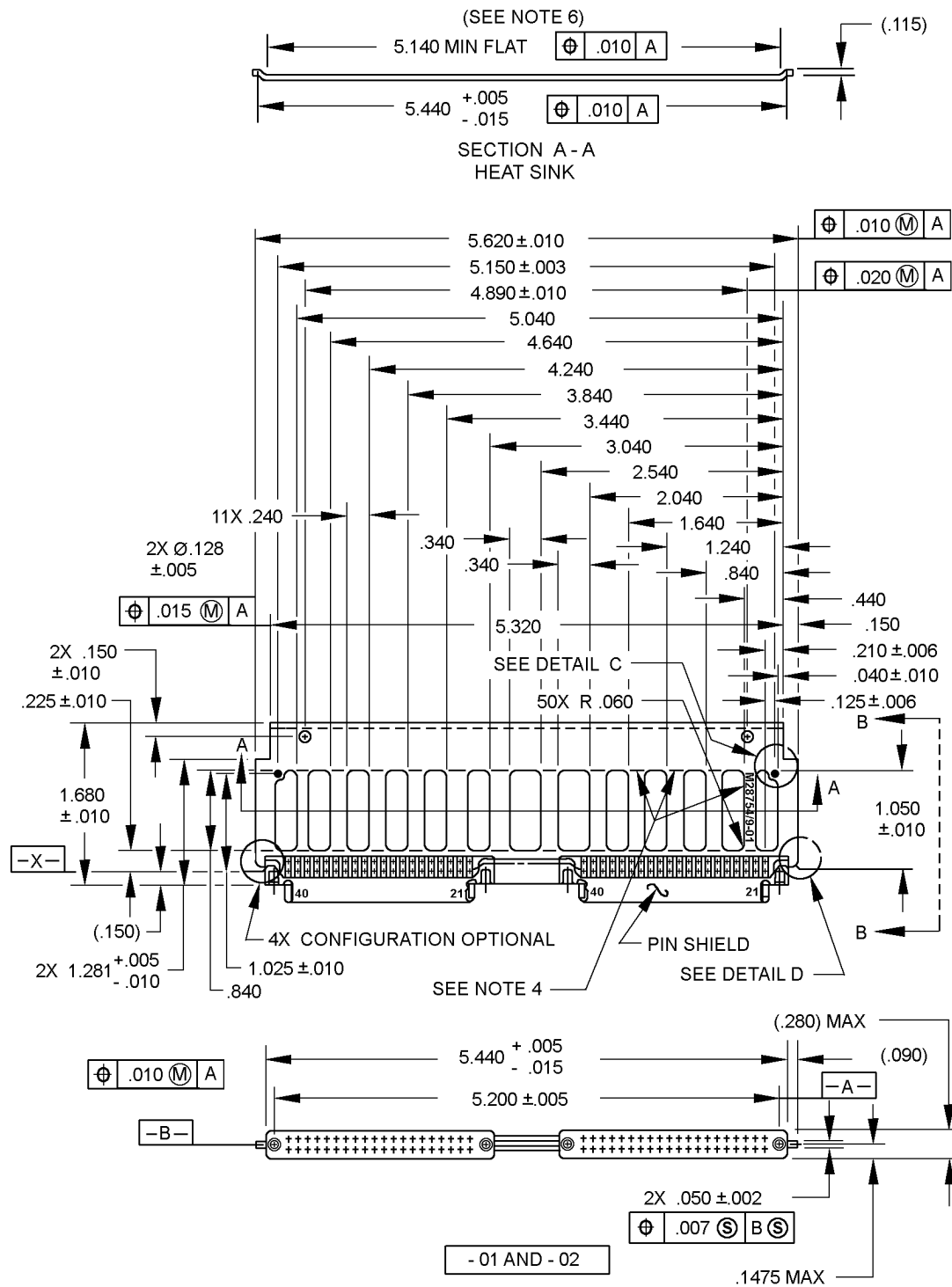


FIGURE 1. Dimensions and configurations.

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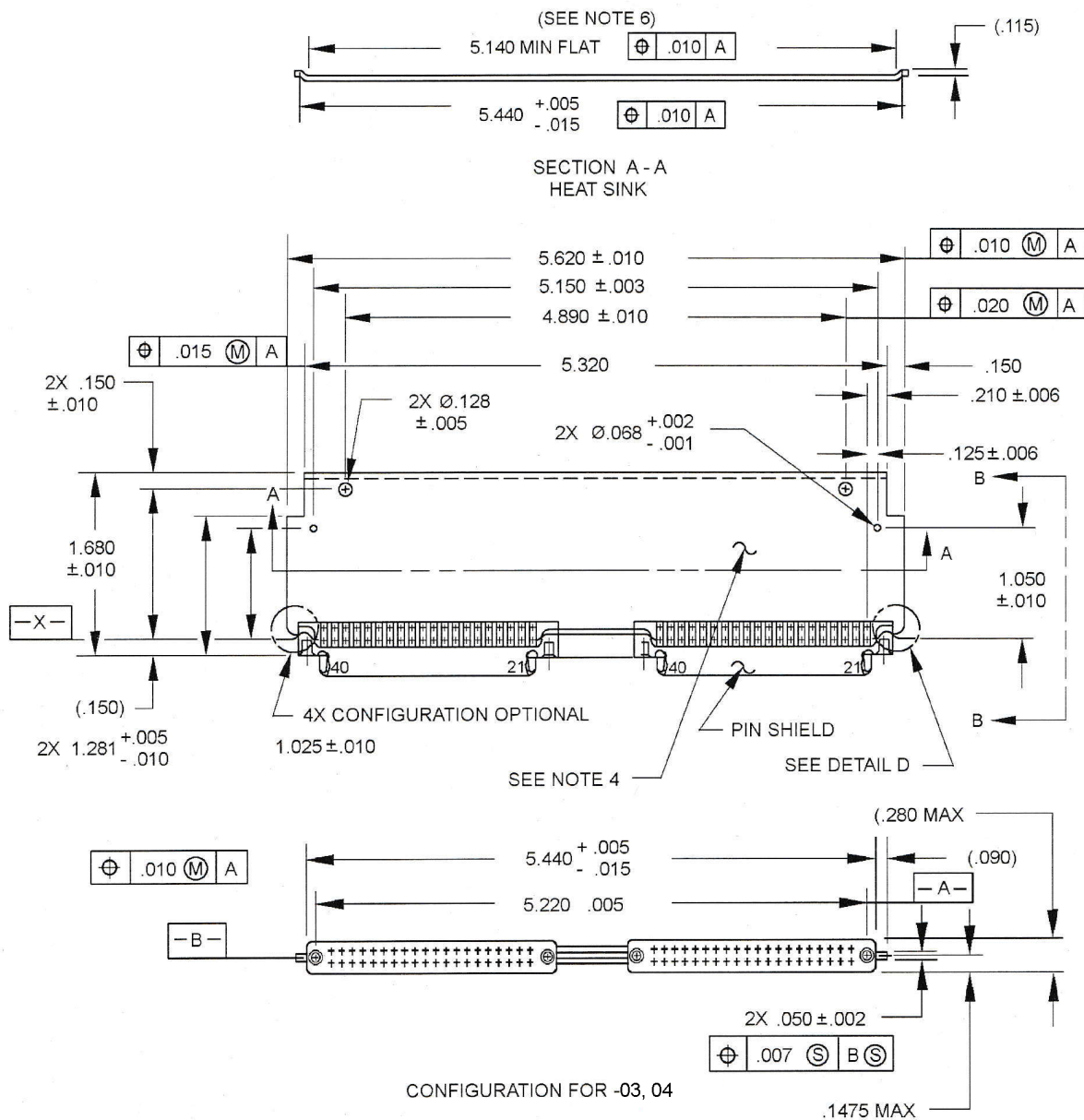


FIGURE 1. Dimensions and configurations – Continued.

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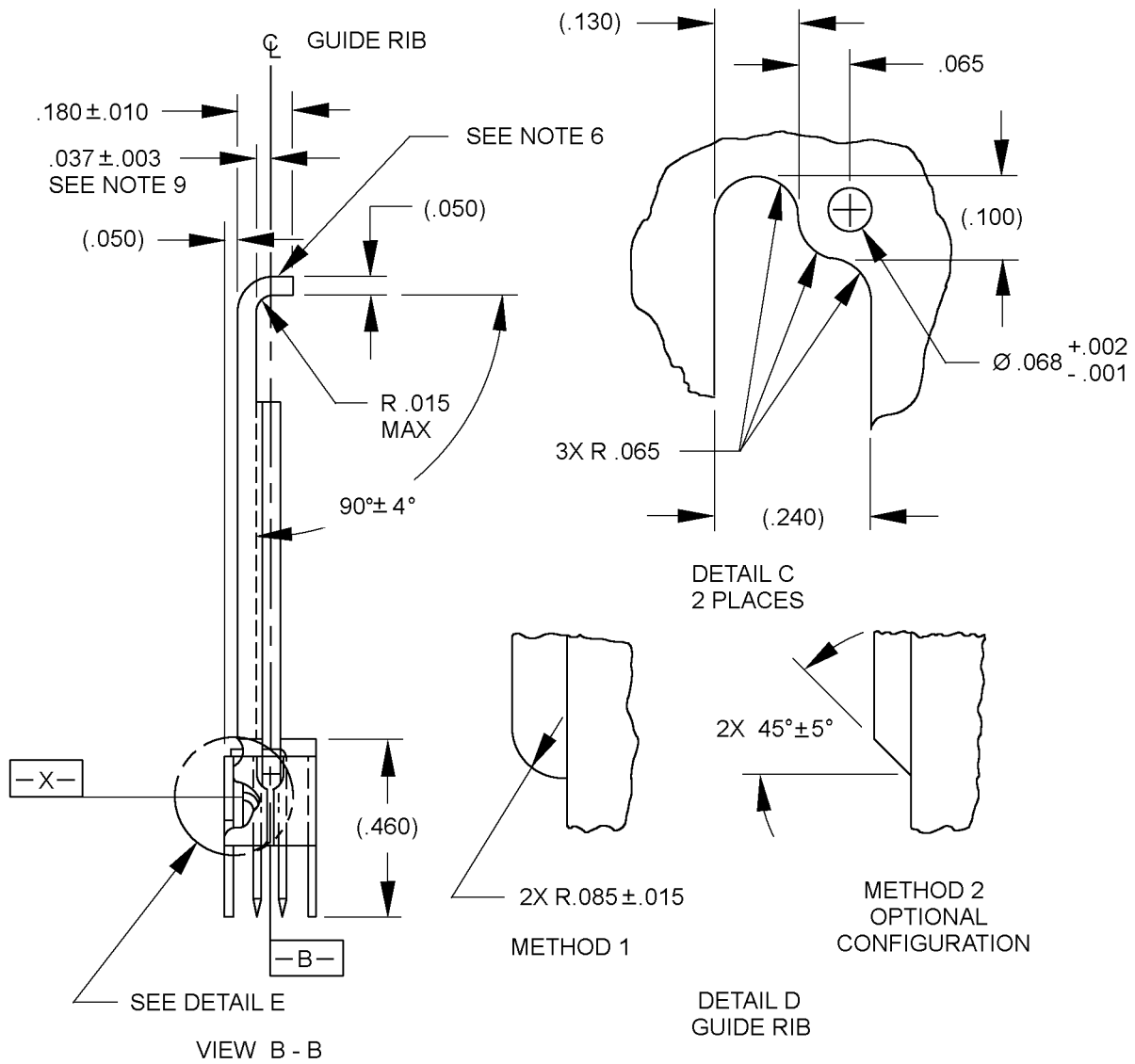
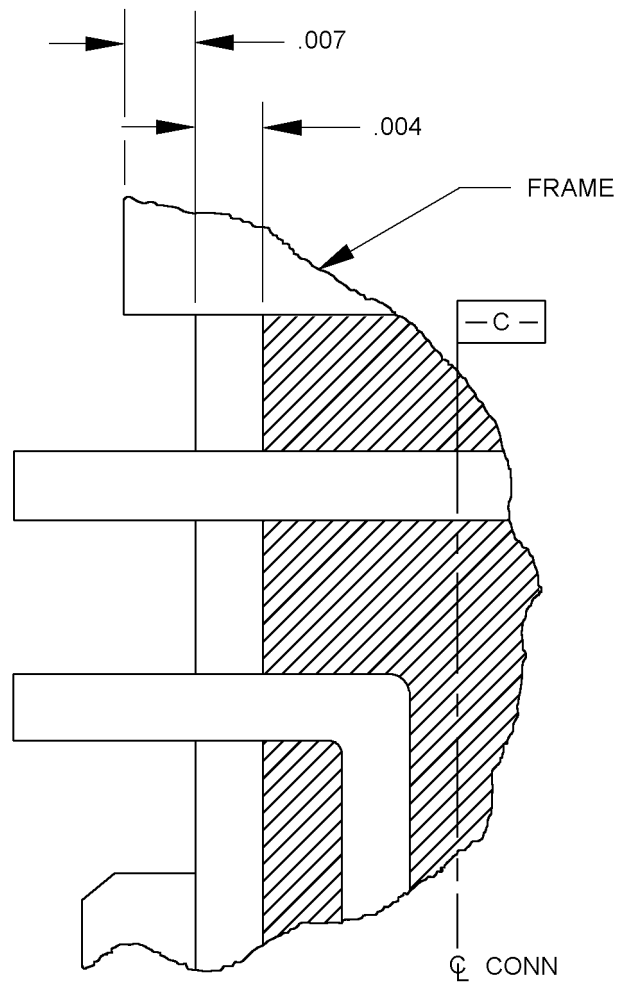


FIGURE 1. Dimensions and configurations – Continued.

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DETAIL E

FIGURE 1. Dimensions and configurations – Continued.

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Inches	mm	Inches	mm	Inches	mm	Inches	mm
0.001	0.03	0.060	1.52	0.270	6.86	3.440	87.38
0.002	0.05	0.065	1.65	0.280	7.11	3.840	97.54
0.003	0.08	0.068	1.73	0.290	7.37	4.240	107.70
0.004	0.10	0.085	2.16	0.340	8.64	4.640	117.86
0.005	0.13	0.090	2.29	0.440	11.18	4.890	124.21
0.006	0.15	0.100	2.54	0.460	11.68	5.040	128.02
0.007	0.18	0.115	2.92	0.840	21.34	5.150	130.81
0.010	0.25	0.125	3.18	1.025	26.04	5.200	132.08
0.01	0.3	0.128	3.25	1.055	26.67	5.320	135.13
0.015	0.38	0.130	3.30	1.240	31.50	5.440	138.18
0.020	0.51	0.1475	3.746	1.281	32.54	5.620	142.75
0.030	0.76	0.150	3.81	1.640	41.66		
0.037	0.94	0.180	4.57	1.680	42.67		
0.040	1.02	0.210	5.33	2.040	51.82		
0.050	1.27	0.225	5.72	2.540	64.52		
0.06	1.5	0.240	6.10	3.040	77.22		

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances are ± 0.005 inch (0.13 mm) on three place decimals, ± 0.01 inch (0.3 mm) on two place decimals and $\pm 2^\circ$ on angles.
4. Mark in this area in white characters, 0.06 inch (1.5 mm) high.
5. Top surface of the fin shall be flat for a minimum of 0.090 inch (2.29 mm) width along the total length.
6. Frame shall be flat within 0.006 inch (0.15 mm) TIR in area described by section A-A.
7. The frame shall be perpendicular to connector mating interface with plus 0.005 inch (0.13 mm) (solder tail side) minus 0.010 inch (0.25 mm) (opposite side).
8. Datum -B- is established by a plane passing through the center of the keying pin holes located by the 5.200 inch (132.08 mm) dimension.
9. The 0.037 inch (0.94 mm) plus or minus 0.003 inch (0.08 mm) dimension are measured from the Guide Rib Centerline.

FIGURE 1. Dimensions and configurations – Continued.

REQUIREMENTS:

Dimensions and configurations: See figure 1.

Frame: Aluminum alloy 5052, H34, H32, in accordance with SAE-AMS-QQ-A-250/8. Anodized black in accordance with MIL-PRF-8625, type II, class 2.

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

Military part number: M28754/9- (dash number from table I).

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TABLE I. Dash numbers and applicable connector.

Dash no.	Applicable connector	Description
01 <u>1/</u>	M28754/11-01	Uninsulated pin shield
02	M28754/11-02	Insulated pin shield
03	M28754/11-02	Insulated pin shield
04	M28754/11-03	Insulated pin shield

NOTE:

1/ Inactive for new design; use -02 for new design.

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

| Amendment notations. The margins of this specification are marked with vertical lines to indicate modifications generated by this amendment. 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.

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

| MIL-PRF-8625
SAE-AMS-QQ-A-250/8

CONCLUDING MATERIAL

Custodians:

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

Preparing activity:
DLA - CC

(Project 5935-2025-044)

Review activities:

Army – AR, MI
Navy – MC

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/>.