

INCH-POUND

MIL-DTL-28754/94A
w/AMENDMENT 4
12 August 2026
SUPERSEDING
MIL-DTL-28754/94A
w/AMENDMENT 3
2 May 2022

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, MODULAR, CONNECTOR FRAME,
TYPE IV, DIP, 0.4 PITCH, FORMAT C, D AND E

This specification is approved for use by all Departments and Agencies of the Department of Defense.

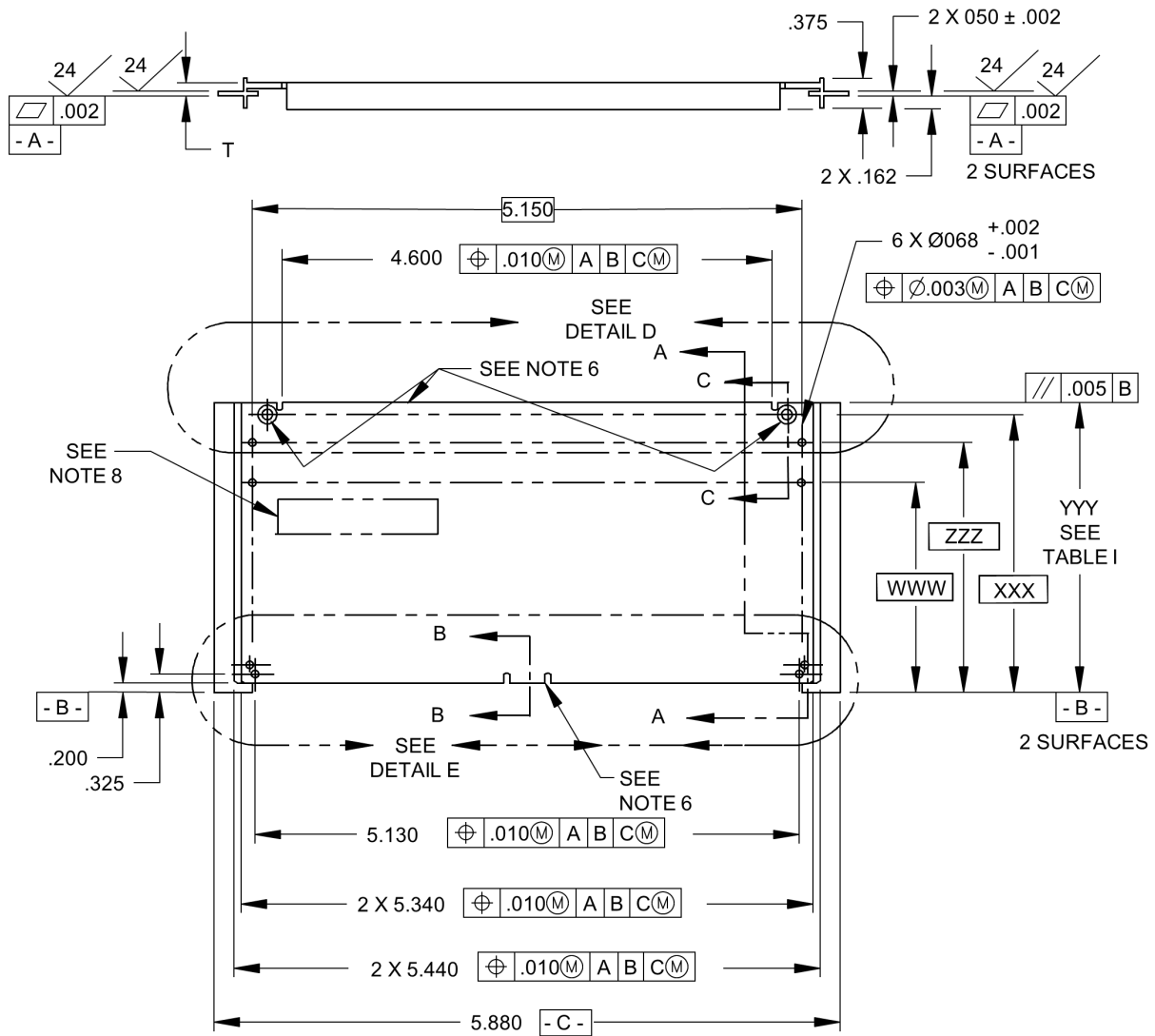
The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-28754.

AMSC N/A
DISTRIBUTION STATEMENT A. Approved for public release. Distribution is unlimited.

FSC 5935



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CONFIGURATION FOR DASH Nos. 1, 2, 5, 6, 9, 10

FIGURE 1. Dimensions and configurations.

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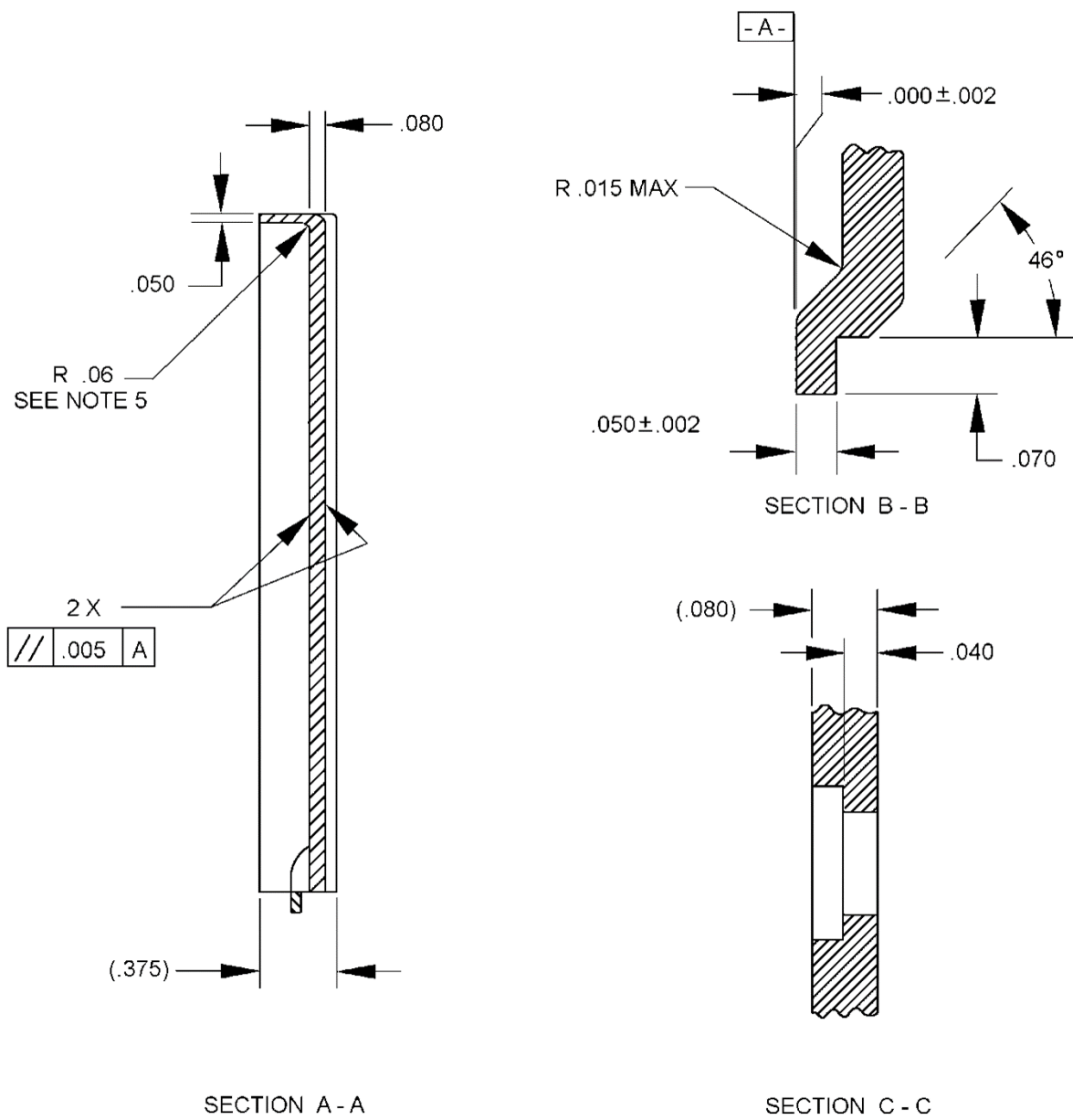
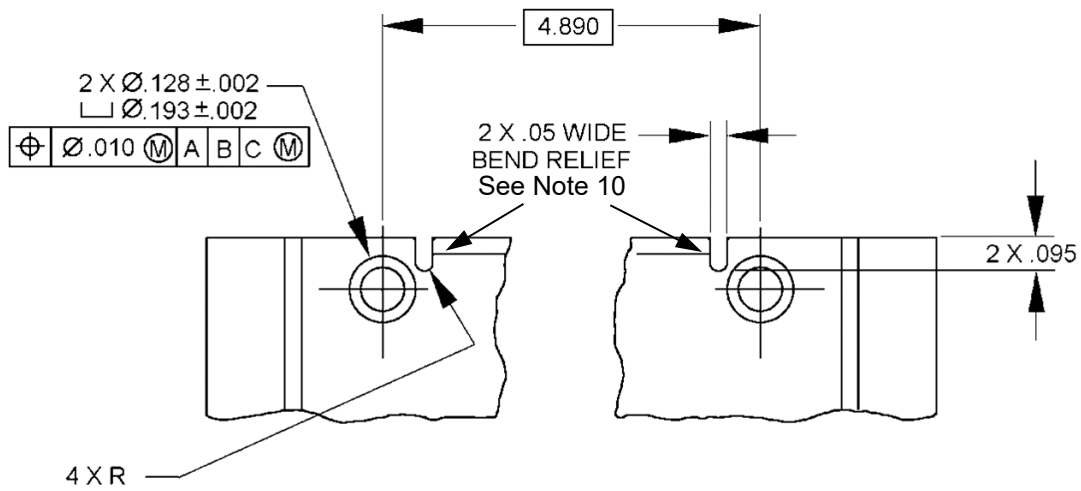
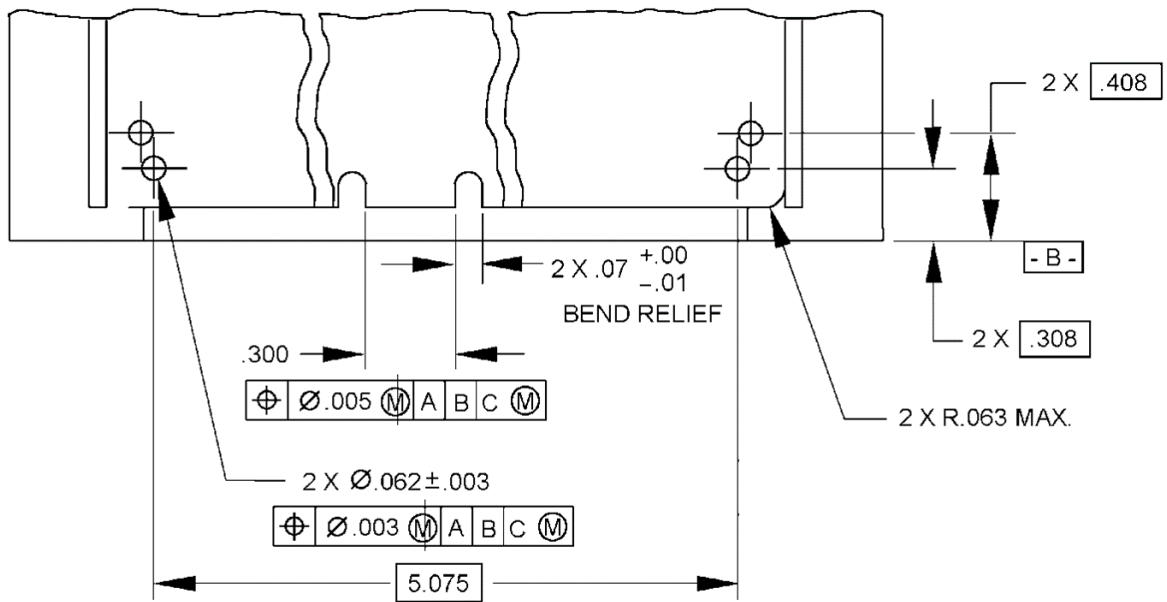


FIGURE 1. Dimensions and configurations – Continued.

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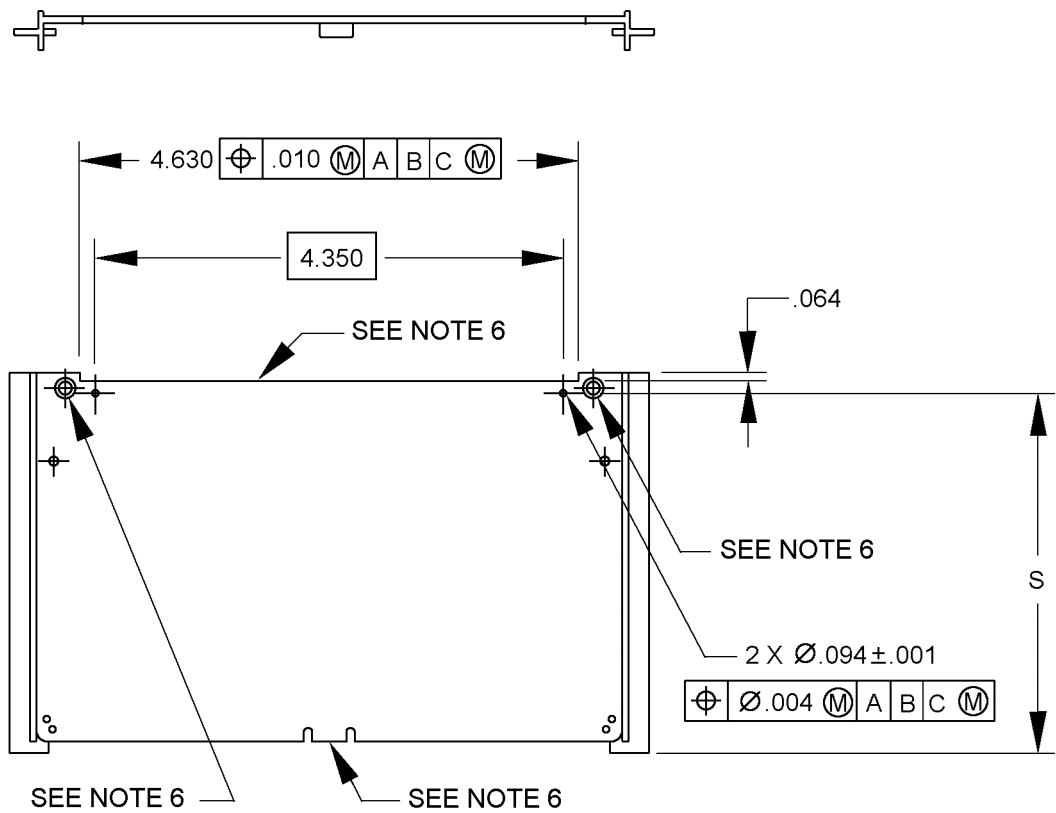
DETAIL D



DETAIL E

FIGURE 1. Dimensions and configurations – Continued.

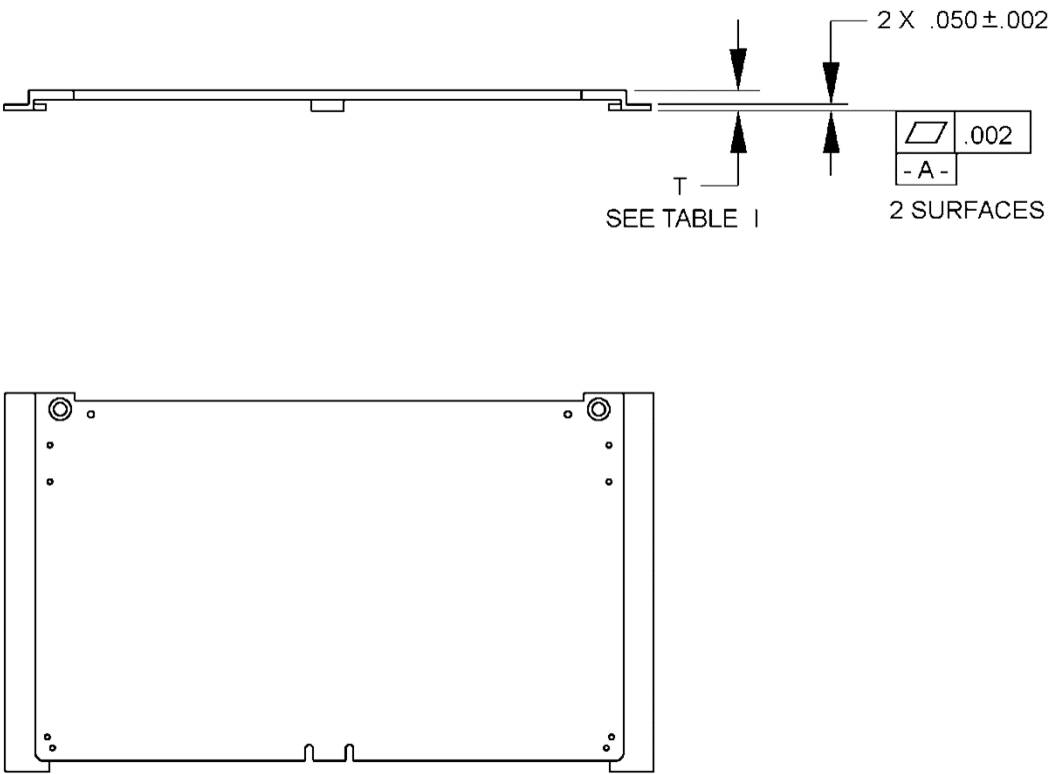
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DASH NUMBERS 3, 4, 7, 8, 11 AND 12
IDENTICAL TO 1, 2, 5, 6, 9 AND 10
EXCEPT AS SHOWN

FIGURE 1. Dimensions and configurations – Continued.

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DASH NUMBERS 13 AND 14
IDENTICAL TO 3, 4, 7, 8, 11 AND 12
EXCEPT AS SHOWN

FIGURE 1. Dimensions and configurations – Continued.

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NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerances are plus or minus 0.005 inch for three place decimals, plus or minus 0.01 inch for two place decimals and plus or minus 1° for angles.
3. Unless otherwise specified, all corner radii shall be 0.05 inch radius maximum.
4. Unless otherwise specified by the procuring agent, the Heat Sink can be made using either an extrusion or machined complete using bar stock.
5. Thickness transition in bend area.
6. These points are designated as racking points. Anodize on the base material is not required.
7. Use of this part will require an altered item drawing to be generated for the specific cutout required for the given application. The altered item drawing will call out the following finish:
 - a. Surface roughness shall be in accordance with ASME B46.1.
 - b. Plating shall be anodic coating MIL-PRF-8625, type III, class 2, dyed black.All dimensions on this drawing reflect the finished dimensions for the altered item part. Dimensional limits apply after plating.
8. Mark part number, revision letter, CAGE code and date code in 0.12 plus or minus 0.02 inch high gothic characters at approximate location shown. Use white epoxy ink, A-A-56032, type II, and mark in accordance with MIL-STD-130.
9. Break all sharp corners and edges 0.005 inch maximum.
10. Bend relief notch not required if product is machined complete from bar stock.

FIGURE 1. Dimensions and configurations – Continued.

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REQUIREMENTS:

Dimensions and configurations: See figure 1 and table I.

Material: Aluminum Alloy 6101, ASTM B317/B317M or SAE AMS4150, Aluminum Alloy 6061, T6, Extrusion, or T6, Extruded Rectangular bar.

Finish: Anodic coating, MIL-PRF-8625, type III, class 2, black.

Part or Identifying Number (PIN): M28754/94- (dash number from table I).

TABLE I. Dash numbers.

Dash number	T	S	Top configuration	Format	XXX	YYY	ZZZ	WWW
-1	0.147	N/A	Folded or machined	C	3.450	3.600	N/A	N/A
-2	0.167		Cut					
-3	0.147							
-4	0.167							
-5	0.147	N/A	Folded or machined	D	4.220	4.370	3.888	N/A
-6	0.167		Cut					
-7	0.147							
-8	0.167							
-9	0.147	N/A	Folded or machined	E	6.070	6.220	5.738	3.118
-10	0.167		Cut					
-11	0.147							
-12	0.167							
-13	0.147	6.026	Cut No cross piece	E	6.070	6.220	5.738	3.118
-14	0.167							

First article testing: The frame shall meet the following tests of MIL-DTL-28754, table IV: Subgroup I, Visual and Mechanical inspection; Subgroup II, Vibration, Visual and Mechanical Inspection; Subgroup III, Salt Spray, Visual and Mechanical inspection; Subgroup IV, Shock, Fin/Header torque, Fin cantilever load, Rib strength, Visual and Mechanical inspection.

Number of units to be inspected: Twelve (12) units of each dash number shall be inspected. See MIL-DTL-28754 Appendix for exceptions to extend approval for similar parts or contact the procuring activity.

Compatibility: This frame may be used with the connectors described in MIL-DTL-28754/97.

Amendment notations. The margins of this specification are marked with vertical lines to indicate where modifications from this amendment 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.

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

MIL-PRF-8625
MIL-DTL-28754/97
MIL-STD-130
A-A-56032
ASME B46.1
ASTM B317/B317M
SAE AMS4150

CONCLUDING MATERIAL

Custodian:
Army - CR
Navy - AS
DLA - CC

Preparing activity:
DLA - CC
(Project 5935-2026-036)

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/>.