

INCH-POUND

MIL-DTL-28754/94A
29 December 2015
SUPERSEDING
MIL-C-28754/94(SH)
31 October 1989

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-C-28754.

AMSC N/A

FSC 5935



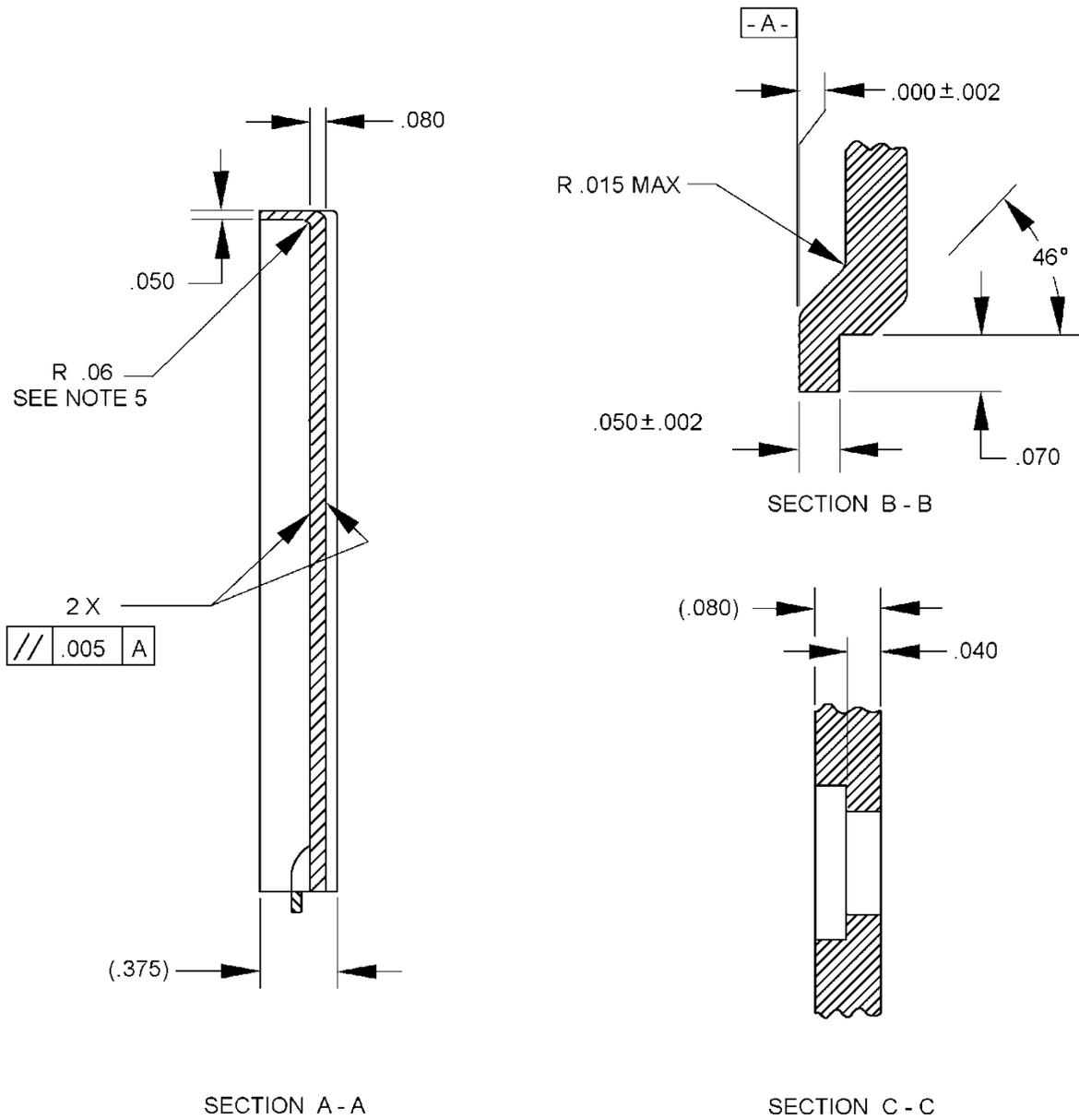
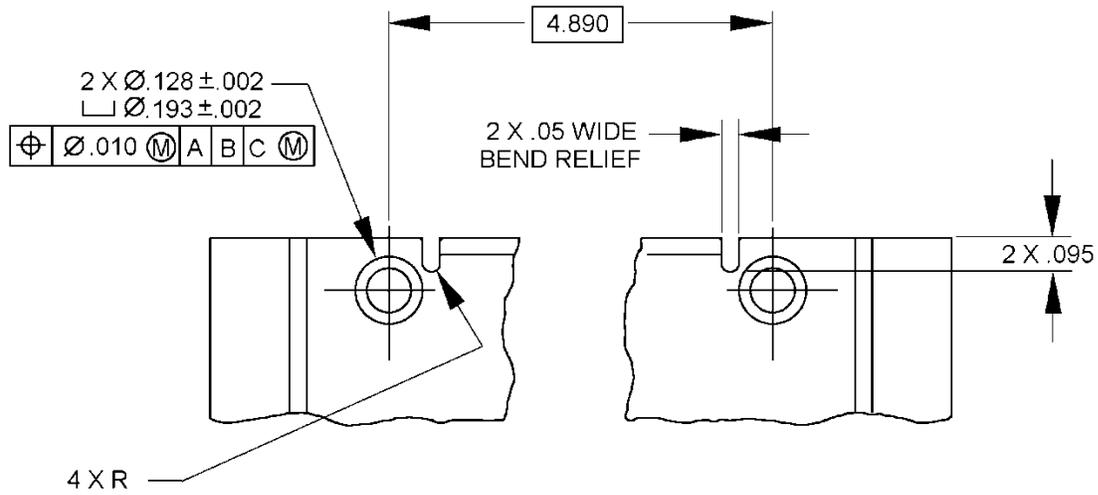
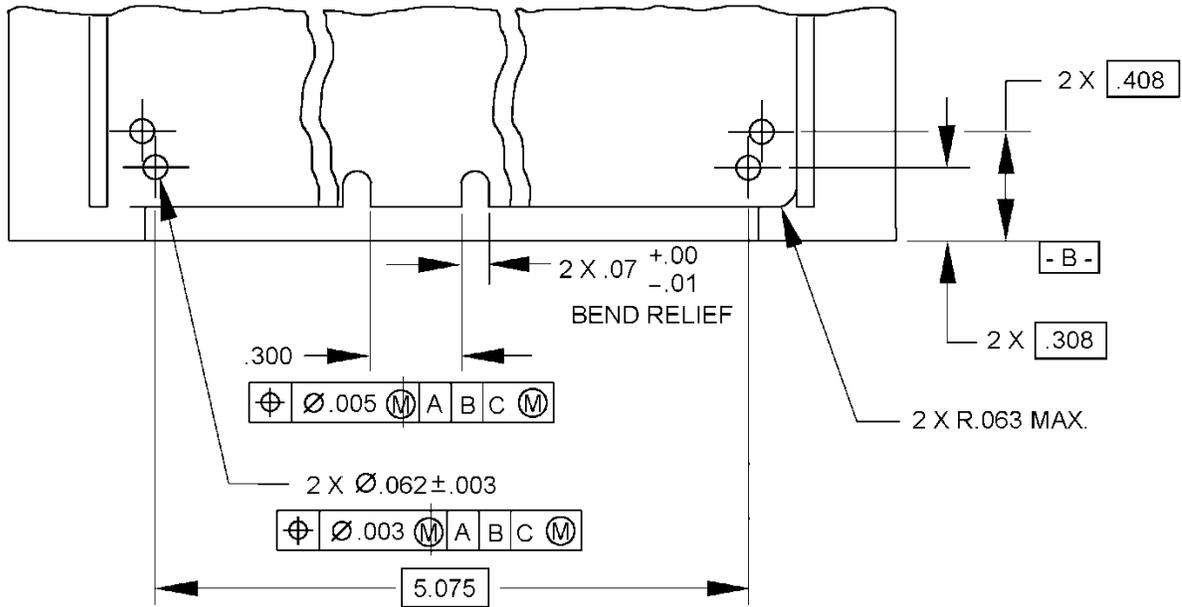


FIGURE 1. Dimensions and configurations – Continued.

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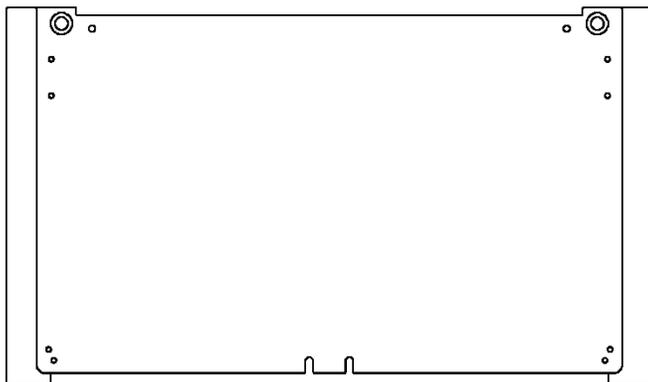
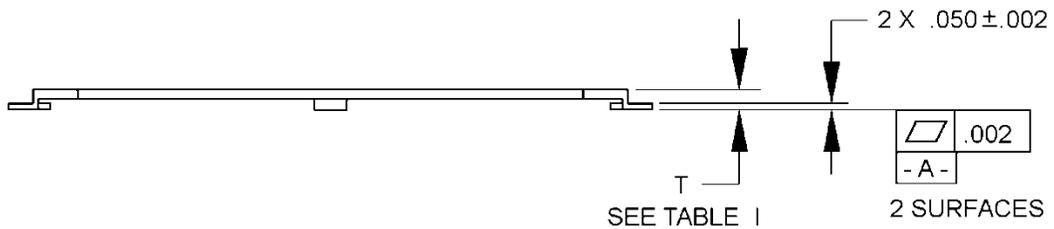
DETAIL D



DETAIL E

FIGURE 1. Dimensions and configurations – Continued.

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DASH NUMBERS 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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Inches	mm	Inches	mm	Inches	mm	Inches	mm
0.001	0.025	0.065	1.651	0.308	7.823	5.150	130.810
0.002	0.051	0.095	2.413	0.330	8.392	5.340	135.636
0.003	0.076	0.100	2.540	0.408	10.363	5.740	145.796
0.005	0.127	0.122	3.099	1.340	34.036		
0.010	0.254	0.128	3.251	1.490	37.846		
0.015	0.381	0.150	3.810	3.118	79.197		
0.030	0.762	0.162	4.115	4.600	116.840		
0.050	1.270	0.200	5.080	4.860	123.444		
0.062	1.575	0.275	6.985	4.890	124.206		

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only and are based upon 1.00 inch = 25.40 mm.
3. Unless otherwise specified, tolerances are plus or minus 0.005 inch (0.127 mm) for three place decimals, plus or minus 0.01 inch (0.25 mm) for two place decimals and plus or minus 1° for angles.
4. Unless otherwise specified, all corner radii shall be 0.05 inch (1.27 mm) radius maximum.
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 ANSI B46.1.
 - b. Plating shall be anodic coating MIL-A-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 (3.05 mm plus or minus 0.51 mm) 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.

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, T6, Extrusion.

Finish: Anodic coating, MIL-A-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	C	3.450	3.600	N/A	N/A
-2	0.167							
-3	0.147	3.406	Cut					
-4	0.167							
-5	0.147	N/A	Folded	D	4.220	4.370	3.888	N/A
-6	0.167							
-7	0.147	4.176	Cut					
-8	0.167							
-9	0.147	N/A	Folded	E	6.070	6.220	5.738	3.118
-10	0.167							
-11	0.147	6.026	Cut					
-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-C-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-C-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.

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.

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

MIL-A-8625
MIL-DTL-28754/97
MIL-STD-130
A-A-56032
ANSI B46.1
ASTM B317

CONCLUDING MATERIAL

Custodian:
Army – CR
Navy – AS
DLA - CC

Preparing activity:
DLA – CC

(Project 5935-2015-210)

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/>.