

INCH-POUND

MIL-DTL-28754/38E
14 May 2015
SUPERSEDING
MIL-C-28754/38D
23 March 1994

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, MODULAR, CONNECTOR,
TYPE III, CONTACT, GROUNDING, WRAPPOST

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



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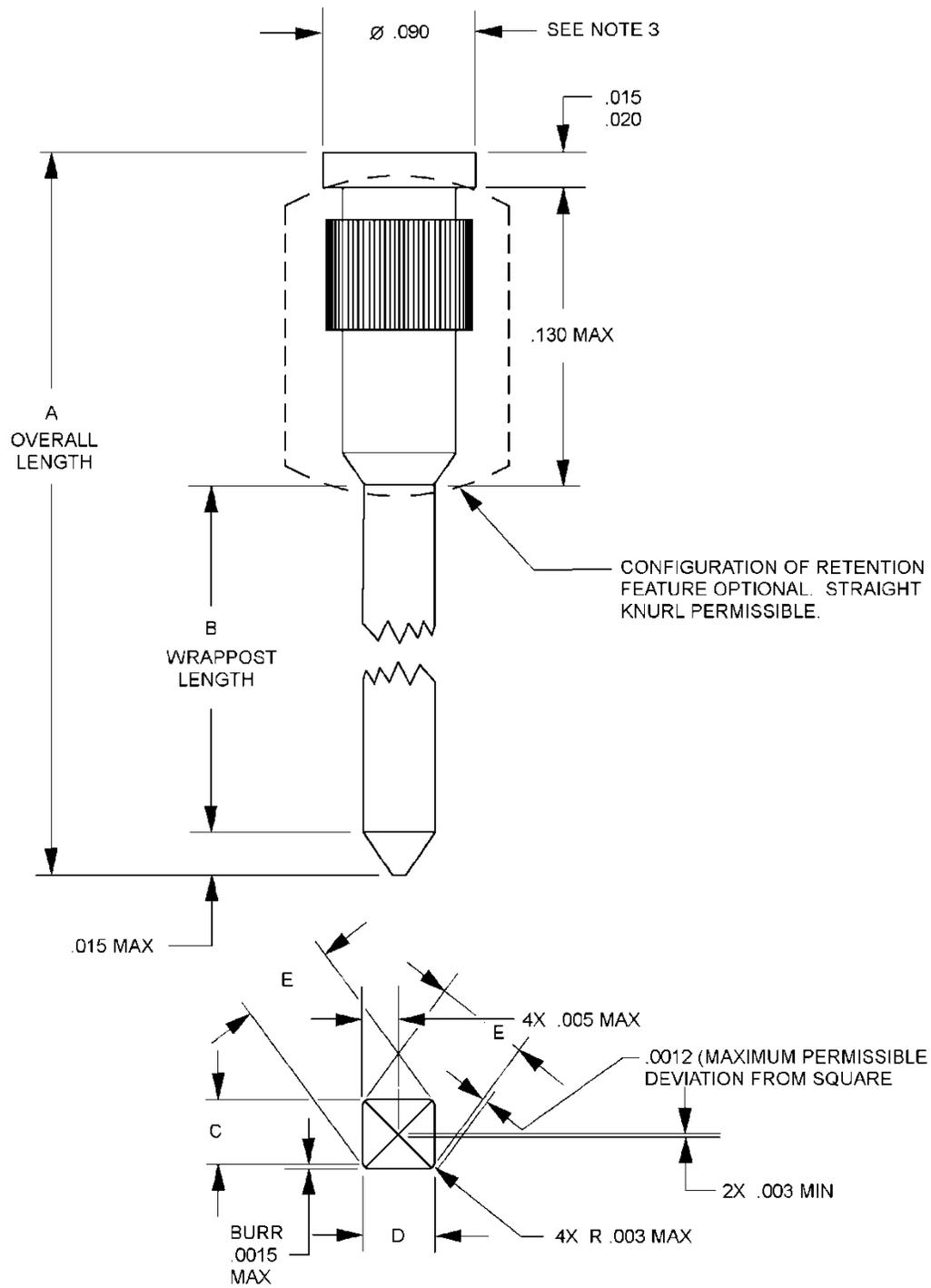


FIGURE 1. Contact grounding wrappost.

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Inches	mm	Inches	mm
.002	.05	.020	.51
.003	.08	.025	.64
.005	.13	.090	2.29
.015	.38	.130	3.30

Wrappost Geometry				
C	D	E	Parallelism	Straightness
.025 (Nom)	.025 (Nom)	.0355 (Max)	.002	.005 in/in
.022 (Min)	.022 (Min)	.0325 (Min)		

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only and are based upon 1.00 inch = 25.4 mm.
3. .090 ± .005 square permissible.
4. See table I for dimensions A and B.
5. .003 minimum diameter permissible.

FIGURE 1. Contact, grounding wrappost – Continued.

REQUIREMENTS:

Dimensions and configurations: See figure 1 and table I.

Material:

Contacts: Contacts shall be beryllium copper in accordance with ASTM B196/B196M, alloy UNS No. C17200, minimum hardness of TD04.

Contact plating: In accordance with MIL-C-28754.

TABLE I. Dash numbers and dimensions.

Dash no	Overall length "A" ± 0.010	Wrappost length "B" (Ref)
01	0.320	0.175
02	0.395	0.250
03	0.495	0.350
04	0.645	0.500
05	0.770	0.625
06	0.895	0.750

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Performance:

Mounting plate to contact resistance: Voltage drop shall not exceed 20 millivolts.

Current rating: 3 amperes.

Temperature rating: -55°C to +105°C.

Part or Identifying Number (PIN) M28754/38- (dash number from table I).

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

Shipping: Bulk shipment shall be in unassembled condition.

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:

ASTM B196/B196M

CONCLUDING MATERIAL

Custodians:

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

Preparing activity:
DLA - CC

(Project 5935-2015-127)

Review activities:

Army – AR, MI
Navy – MC, YD
Air Force – 99

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/>.