

INCH-POUND

MIL-DTL-28754/50B
4 November 2015
SUPERSEDING
MIL-C-28754/50A
13 December 1982

DETAIL SPECIFICATION SHEET

CONNECTORS, ELECTRICAL, MODULAR, INSERT, TOP

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.

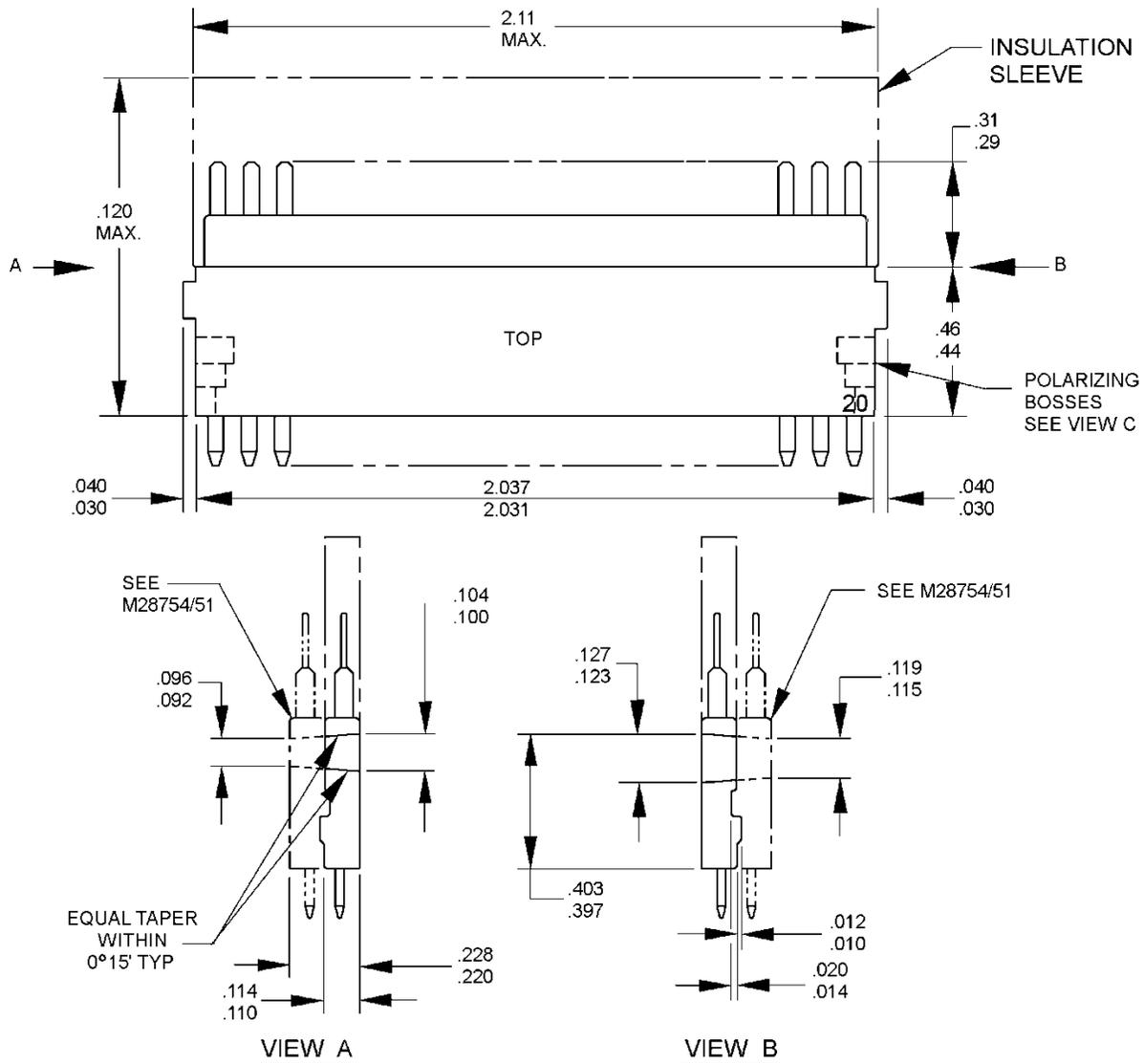
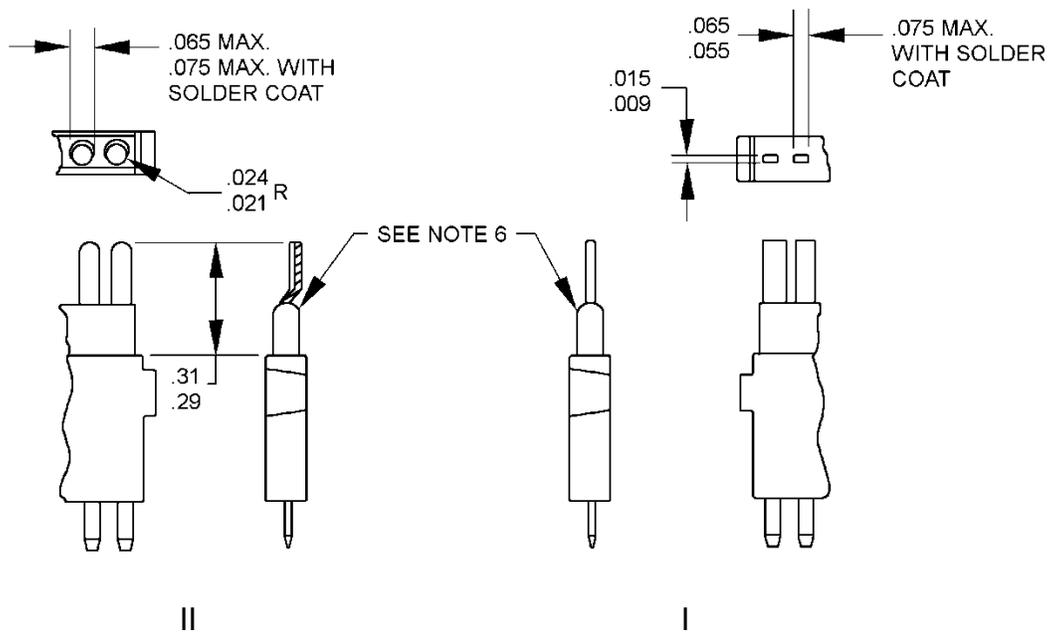
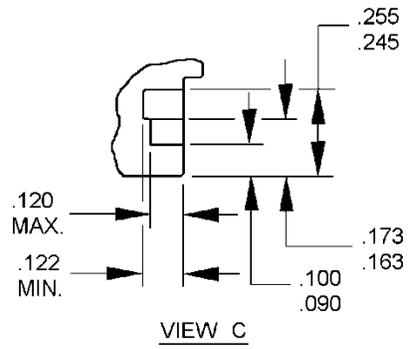


FIGURE 1. Dimensions and configurations.



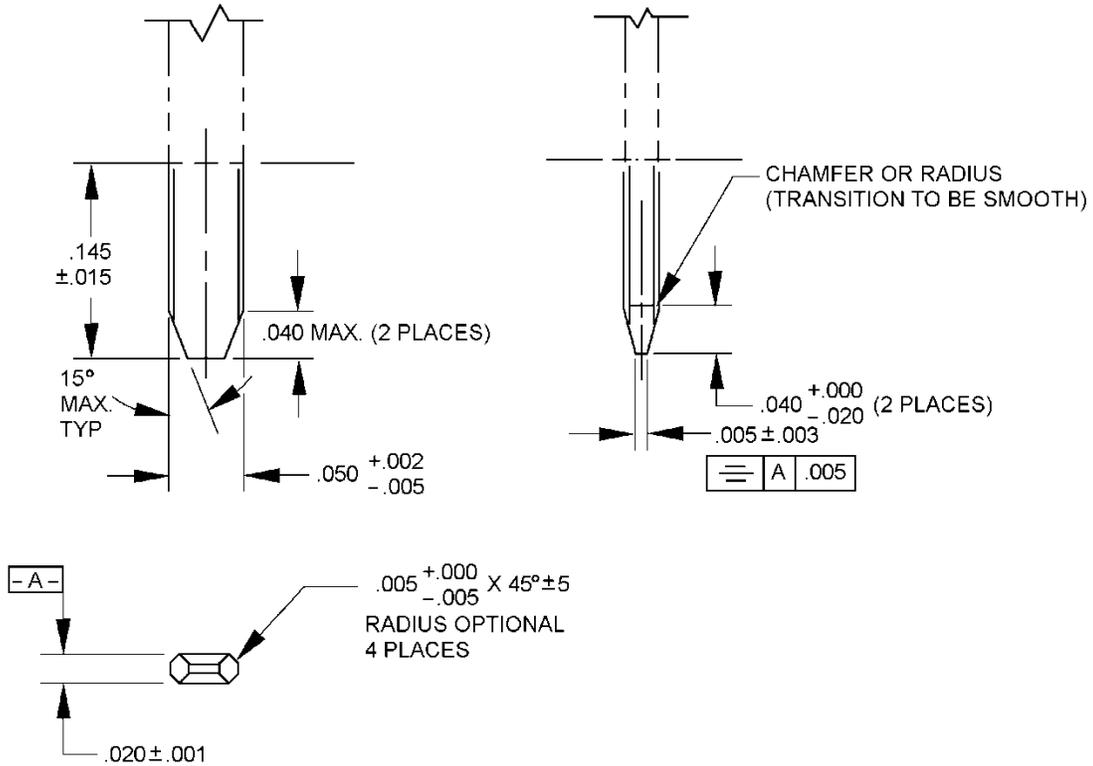
MIL-DTL-28754/50B



CONTACT STYLE

FIGURE 1. Dimensions and configurations – Continued.

MIL-DTL-28754/50B



Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm	Inches	mm
.001	.03	.015	.38	.065	1.65	.114	2.90	.163	4.14	.397	10.08
.002	.05	.020	.51	.075	1.90	.115	2.92	.173	4.39	.403	10.24
.003	.08	.021	.53	.090	2.29	.119	3.02	.220	5.59	.44	11.2
.005	.13	.024	.61	.092	2.34	.120	3.05	.228	5.79	.46	11.7
.009	.23	.030	.76	.096	2.44	.122	3.10	.245	6.22	1.20	30.5
.010	.25	.040	1.02	.100	2.54	.123	3.12	.255	6.48	2.031	51.59
.012	.30	.050	1.27	.104	2.64	.127	3.23	.29	7.4	2.037	51.74
.014	.36	.055	1.40	.110	2.79	.145	3.68	.31	7.9	2.11	53.6

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. Unless otherwise specified, tolerances are $\pm .005$ (.13 mm) for three place decimals, $\pm .01$ (.3 mm) for two place decimals and $\pm 2^\circ$ for angles.
4. Break sharp edges .005 (.13 mm) maximum.
5. Contact numbers 1 and 20, and "top" shall be marked as shown in white characters, .300 inch high maximum.
6. Gold plating on termination area shall be 20 millionths minimum.

FIGURE 1. Dimensions and configurations – Continued.

MIL-DTL-28754/50B

REQUIREMENTS:

Dimensions and configurations: See figure 1.

Material: Polyphenylene sulfide in accordance with ASTM D4067, PPS000G40A43042E11, or diallyl phthalate in accordance with ASTM D5948, type SDG-F, GDI-30F, GII-30F, or SIG-F.

Insulation sleeve material: Optional.

Military part number: M28754/50- (dash number from table I).

TABLE I. Dash numbers.

Dash no.	Wire accommodation	Contact style	Wire size	Termination tool <u>1/</u>	Plating
01	Flat conductor cable	I	22-24	CE-1404200 or FC6900	SnPb
02	Single round wires	II	24-30	CE-1404200 or FC6900	Au
03	Multiple round wire cable	II	20-30	AA-400	Au
04	Single round wires	II	24-30	CE-1404200 or FC6900	SnPb

1/ Raychem part numbers or equivalent.

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.

MIL-DTL-28754/50B

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

ASTM D4067
ASTM D5948

CONCLUDING MATERIAL

Custodians:

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

Preparing activity:

DLA - CC

(Project 5935-2015-201)

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/>.