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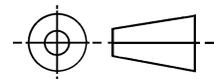
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**AS81714/28**

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THIRD ANGLE PROJECTION



ISSUED 2001-07

PREPARED BY SAE SUBCOMMITTEE AE-8C2



**AEROSPACE STANDARD**

TERMINAL JUNCTION SYSTEM, TERMINAL JUNCTION BLOCKS, GROUNDING MODULES, INTEGRAL BRACKET MOUNTING, SERIES I

**AS81714/28**  
SHEET 1 OF 7

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THE COMPLETE REQUIREMENTS FOR ACQUIRING THE BLOCK DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF SPECIFICATION MIL-T-81714.

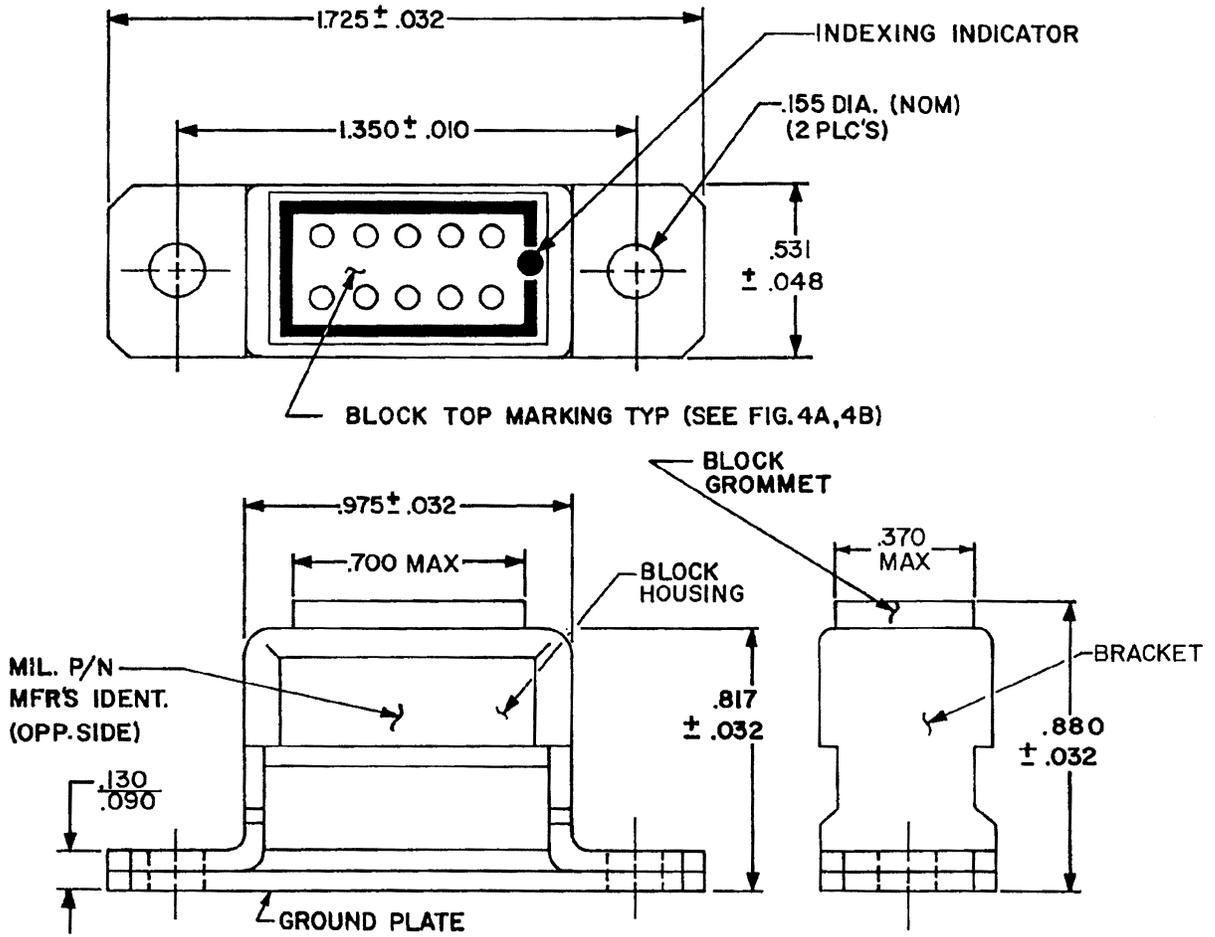


FIGURE 1. MOUNTING BRACKET HOUSING ONE BLOCK, SIZE 16.

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TABLE I. PART NUMBERS.

Part Number	Consists of Block and		Insertion/ Extraction Tool (Ref Note 2) Part Number
	Contacts Part Number	Sealing Plugs Part Number	
M81714/28-22HD	M39029/1-507	MS27488-22	M81969/14-01 or M81969/1-04
M81714/28-22	M39029/1-100	MS27488-20	M81969/14-02
M81714/28-20	M39029/1-101	MS27488-20	M81969/14-02
M81714/28-16	M39029/1-102	MS27488-16	M81969/14-03
M81714/28-12	M39029/1-103	MS27488-12	M81969/14-04

Inch	mm	Inch	mm	Inch	mm
.005	0.13	.155	3.94	.817	20.75
.010	0.25	.370	9.40	.880	22.35
.029	0.74	.512	13.00	.975	24.77
.032	0.81	.531	13.49	1.050	26.67
.035	0.89	.540	13.72	1.060	26.92
.048	1.22	.550	13.97	1.321	33.51
.090	2.29	.700	17.78	1.350	34.29
.130	3.30	.760	19.30	1.725	43.82

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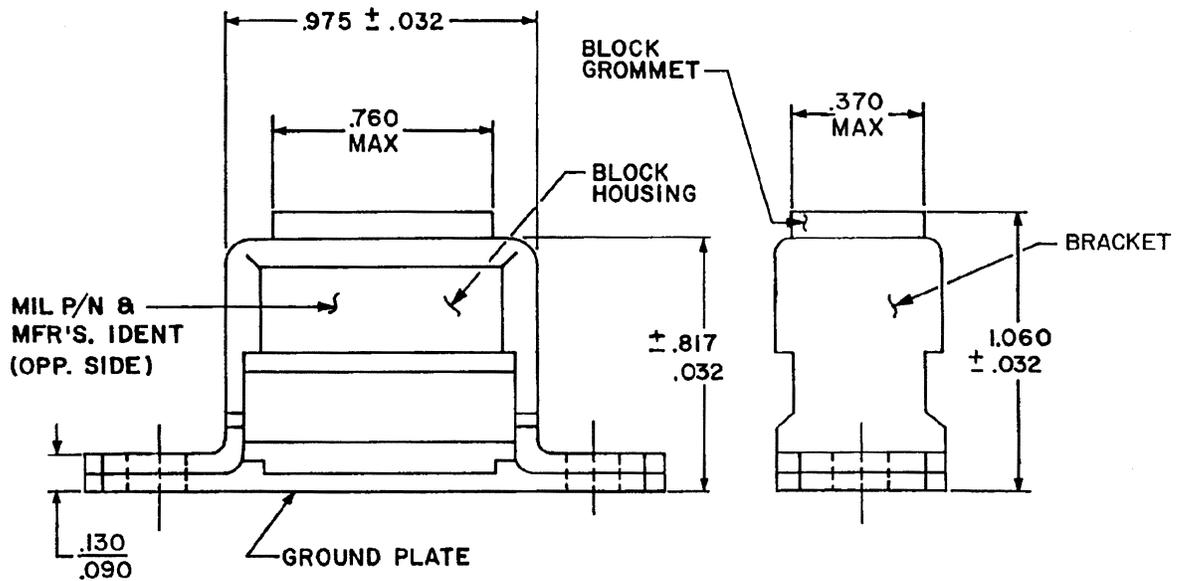
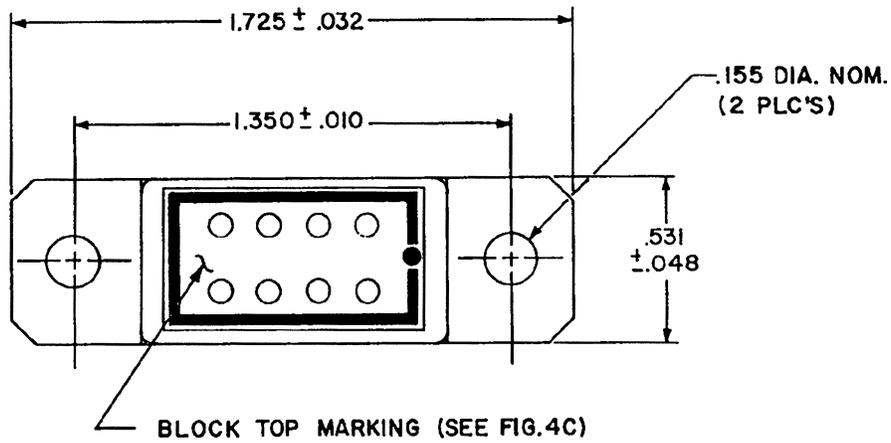


FIGURE 2. BRACKET MOUNTING GROUNDING BLOCK: SIZE 16.

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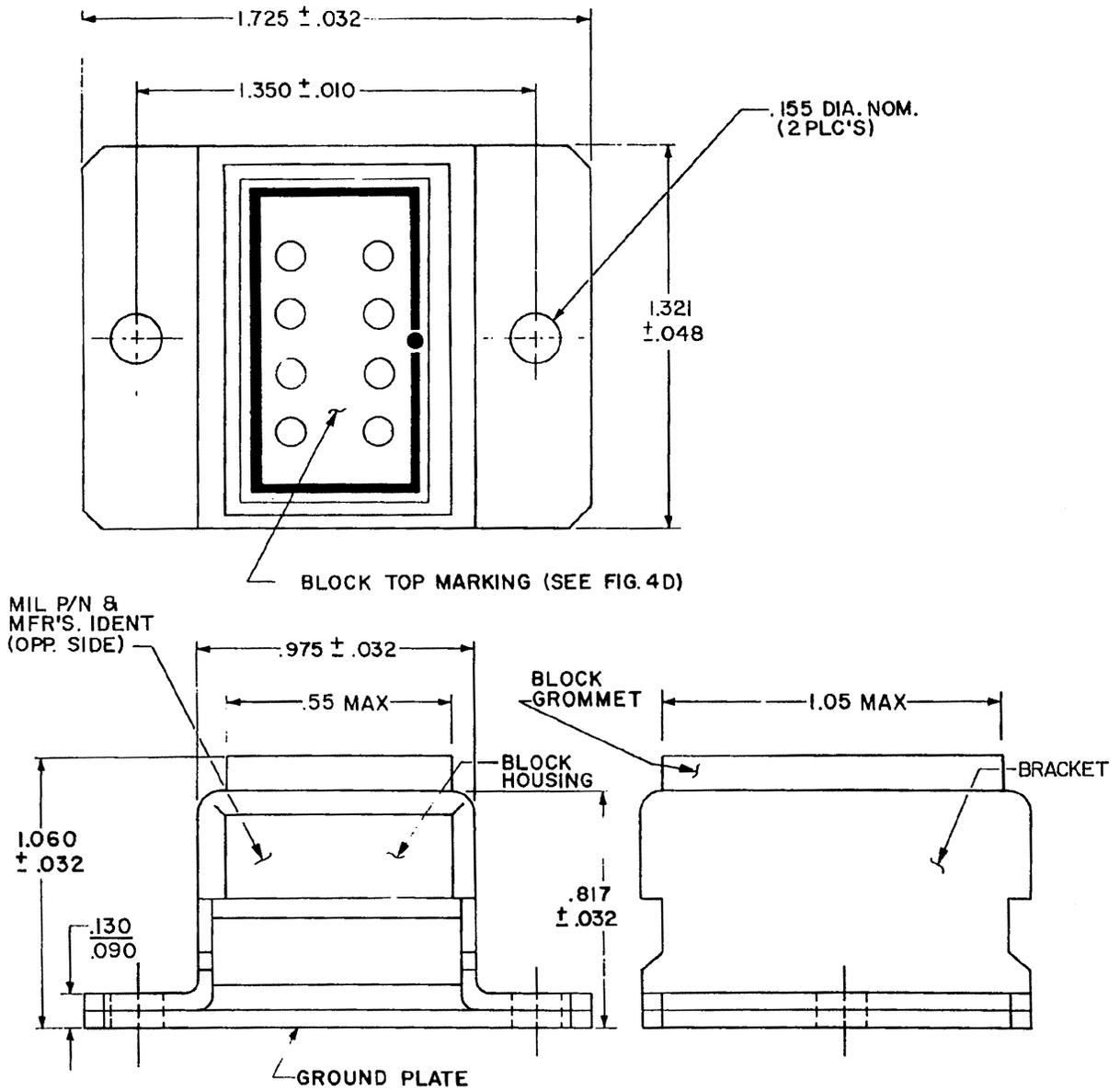
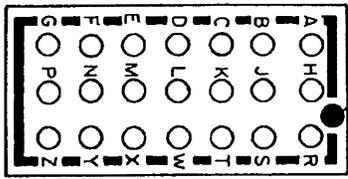
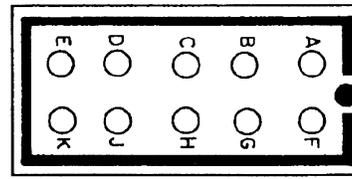


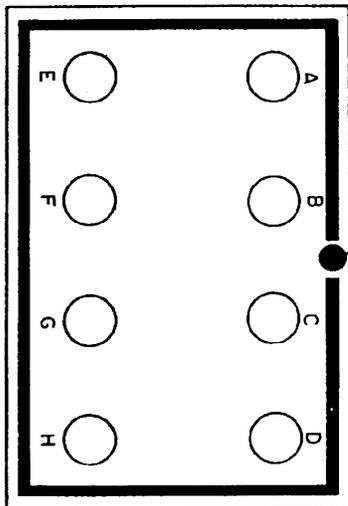
FIGURE 3. BRACKET MOUNTING GROUNDING BLOCK: SIZE 12.



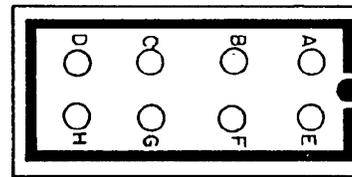
SIZE 22HD  
FIG. 4A



SIZES 22 & 20  
FIG. 4B



SIZE 12  
FIG. 4D



SIZE 16  
FIG. 4C

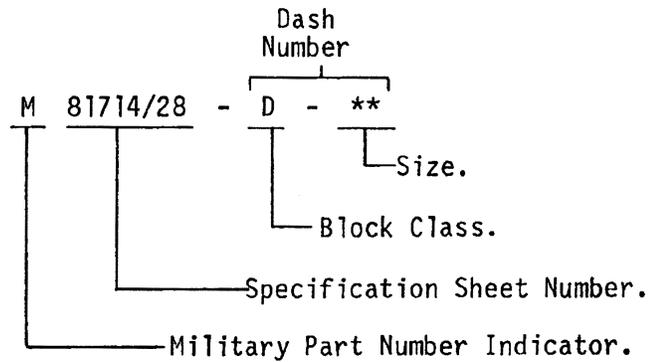
FIGURE 4. BLOCK TOP MARKING.

REQUIREMENTS:

1. MATERIALS:
  - a. BRACKET AND GROUND PLATE, ALUMINUM ALLOY, 6061-T4.
  - b. BRACKET AND GROUND PLATE PLATING, ELECTROLESS NICKEL PER MIL-C-26074.

## NOTES:

1. DIMENSIONS ARE IN INCHES.
2. TOOLS FOR CONTACT INSERTING/REMOVAL SPECIFIED IN TABLE I SHALL BE ORDERED SEPARATELY.
3. METRIC EQUIVALENTS (TO THE NEAREST .01 MM) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.
4. THE PART NUMBER CONSISTS OF THE LETTER M, SPECIFICATION SHEET NUMBER, BLOCK CLASS, AND SIZE.



## PART NUMBER EXAMPLE:

M81714/28-D-20

SIZE 22 GROUNDING BLOCK, BRACKET MOUNTING.

5. CLASSES A, B AND C COMPONENTS ARE INACTIVE FOR NEW DESIGN. ONLY CLASS D COMPONENTS SHALL BE USED FOR DIRECT GOVERNMENT ACQUISITION.