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REV.
A

AS81714™/7

RATIONALE

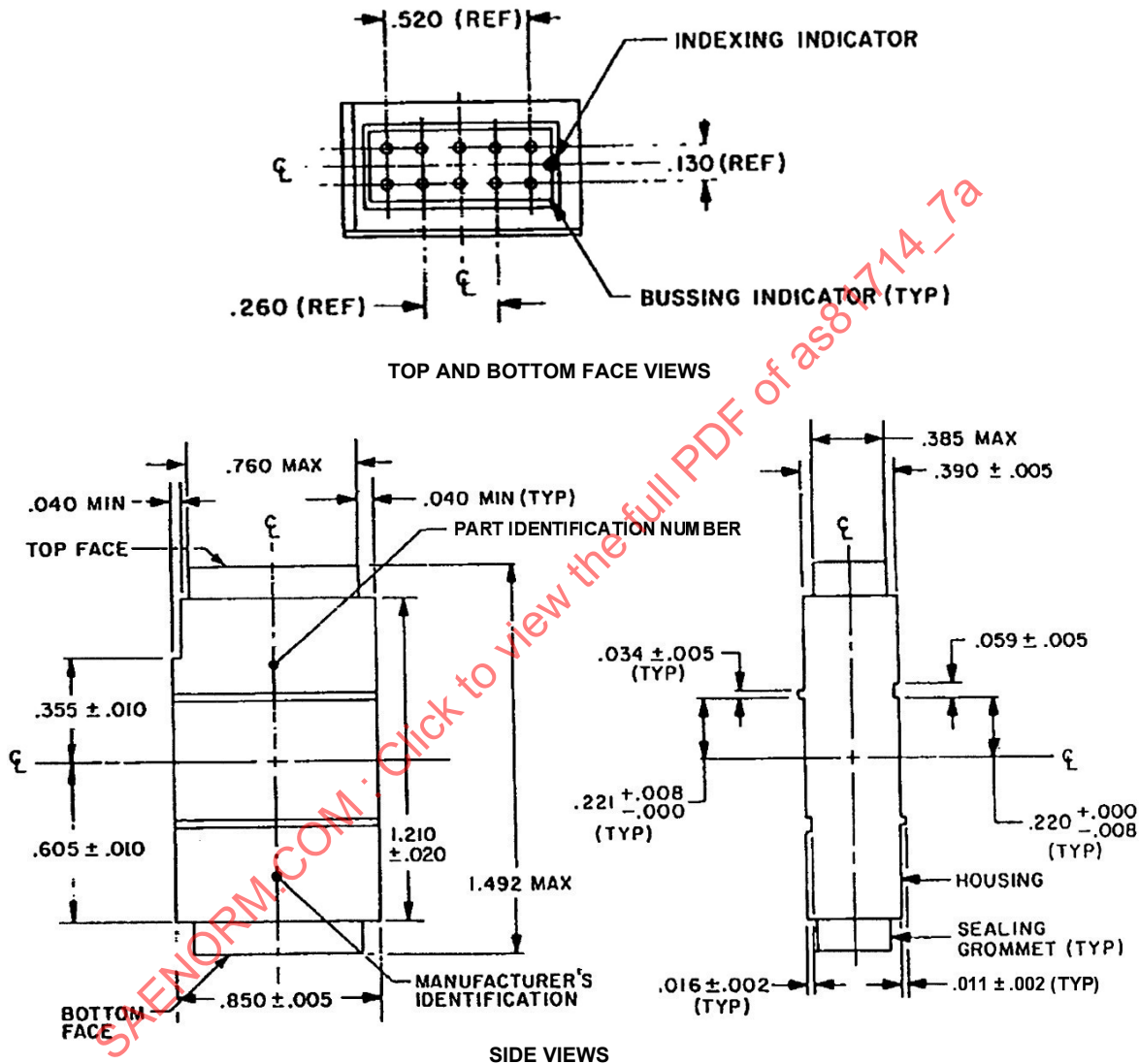
REVISION IS REQUIRED TO CLARIFY DRAWINGS, UPDATE REFERENCES, UPDATE GOVERNMENT RELATED TERMINOLOGY, AND ADDRESS TECHNICAL REQUIREMENTS AS NEEDED.

AS81714/7A HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS81714.

FEDERAL SUPPLY CLASS
5940



For more information on this standard, visit
<https://www.sae.org/standards/content/AS81714/7A/>

CUSTODIAN: AE-8/AE-8C2

PROCUREMENT SPECIFICATION: AS81714



AEROSPACE STANDARD

(R) TERMINAL JUNCTION SYSTEM, TERMINAL
JUNCTION BLOCKS, SECTIONAL, BUSSING MODULES,
FEED THRU TYPE, SIZE 20, SERIES I

AS81714™/7
SHEET 1 OF 4

REV.
A

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ISSUED 1998-07 REVISED 2017-09 REAFFIRMED 2022-07

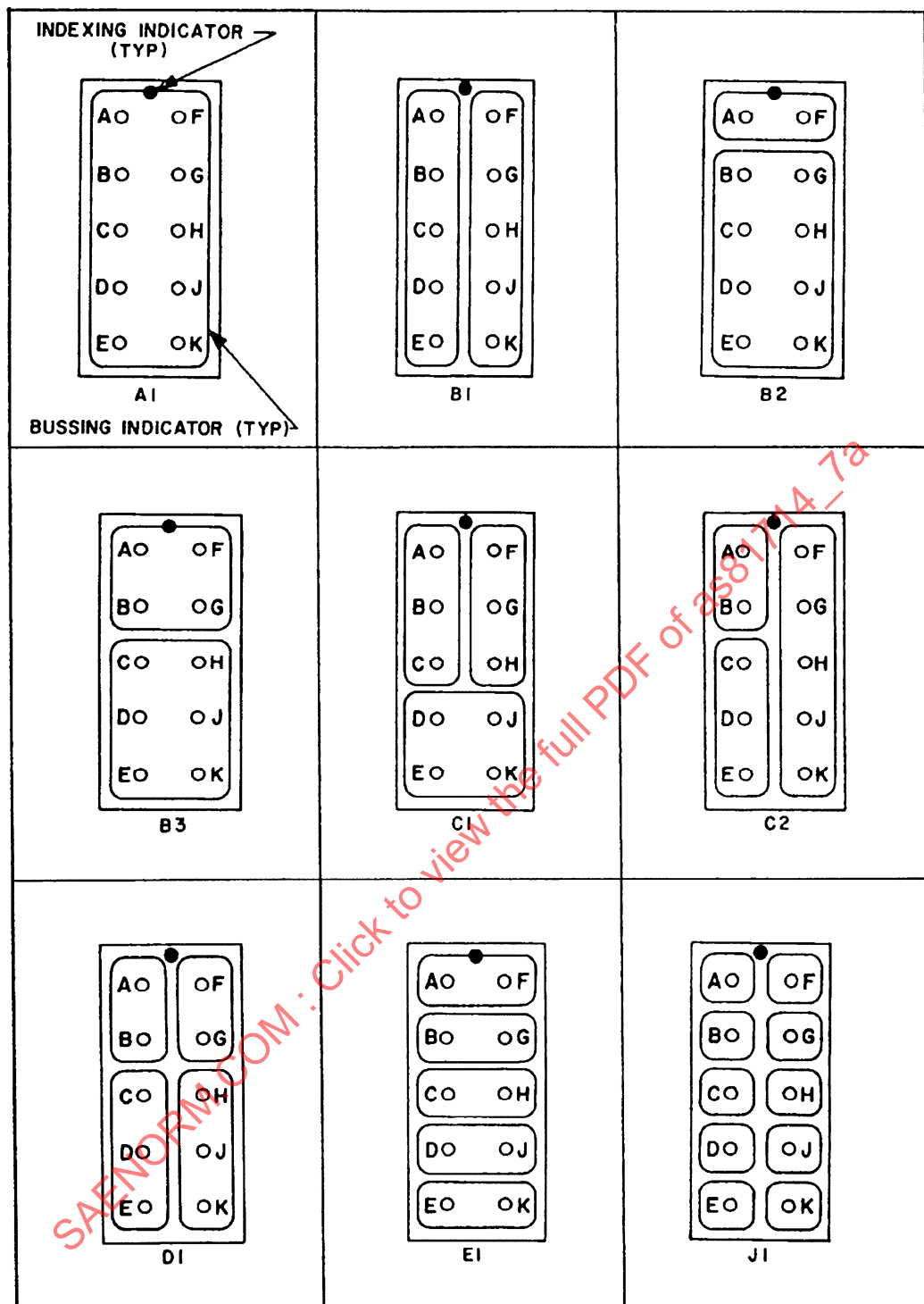


FIGURE 2 - AS81714/7 BUSSING ARRANGEMENTS (SEE FIGURE 1)

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS81714.

CONFIGURATION

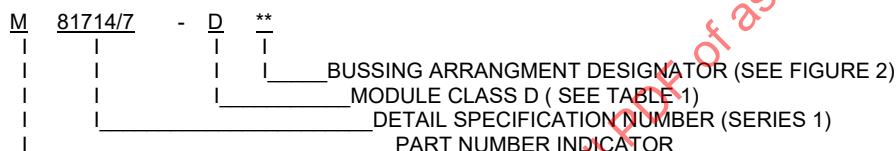
- DIMENSIONS BE SHALL IN INCHES AND TOLERANCES AS SPECIFIED. METRIC EQUIVALENTS (TO THE NEAREST 0.01 MM) IN TABLE 2 ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.
- FEED THRU TERMINAL BLOCK SHALL BE CONFIGURED IN ACCORDANCE WITH FIGURE 1 AND BUSSING ARRANGEMENT IN FIGURE 2 (SEE PART NUMBER).
- CONTACT SOCKETS FOR ALL GROMMET CAVITIES SHALL BE IN ACCORDANCE WITH AS81714 AND INTERNALLY CONNECTED TO ALL CONTACT SOCKETS IN EACH BUSSING INDICATOR SHOWN IN FIGURE 2 (I.E., CONTACTS SOCKETS A THROUGH E AND F THROUGH K ARE CONNECTED RESPECTIVELY FOR BUSSING INDICATOR B1).
- THE CONTACT MATING END RETENTION SYSTEM AND GROMMET WIRE SEALING SHALL BE IN ACCORDANCE WITH AS81714.

MATERIALS

- FEED THRU TERMINAL BLOCK AND INTERNAL PARTS SHALL BE IN ACCORDANCE WITH AS81714.

MARKING

- TERMINAL BLOCK BODY SHALL BE BLACK AND GROMMET SHALL BE BLUE.
- PART IDENTIFICATION NUMBER (PIN)



TOOLS

- THE AS81969 TOOLS FOR CONTACT INSERTING/REMOVAL ARE AS SPECIFIED IN TABLE 1 AND SHALL BE ORDERED SEPARATELY.
- CONTACTS AND SEALING PLUGS

THE AS39029 MATING CONTACT AND MS27488 GROMMET SEAL PLUGS ARE AS SPECIFIED IN TABLE 1. MINIMUM QUANTITIES SHALL BE PROVIDED AS SPECIFIED IN AS81714 WITH EACH FEED THRU TERMINAL BLOCK.

TABLE 1 - ACCESORY PART NUMBERS

CONTACT SIZE 20		CONDUCTOR RANGE	CONTACT	GROMMET SEAL PLUG	INSTALLING TOOL 1/	REMOVAL TOOL 1/
MATE END	WIRE BARREL					
16	20	24-20	M39029/1--101	MS27488-20-2	M81969/14-02 M81969/14-11 M81969/8-05 M81969/8-305 M81969/8-205	M81969/14-02 M81969/14-11 M81969/8-06 M81969/8-306 M81969/8-206

1/ INSTALLING AND REMOVAL TOOL SHALL BE ORDERED SEPARATELY (SEE AS81969).

APPLICATION NOTES

- THE FEED THRU TERMINAL BLOCK IS DESIGNED FOR INSTALLATION IN AS81714/10 AND AS81714/14 RACKS WITH ITS INDEXING INDICATOR ADJACENT TO THE INDEXING RACK RAIL. THIS BLOCK CAN ALSO BE INSTALLED IN AS81714/29 BRACKETS.

SUPERSEDING INFORMATION

- AS81714/7 SUPERSEDES MIL-T-81714/7F. PART NUMBERS REMAIN UNCHANGED.
- CLASSES A, B, AND C COMPONENTS ARE SUPERSEDED BY CLASS D COMPONENTS (SEE AS81714 APPENDIX A).

	AEROSPACE STANDARD	AS81714™/7 SHEET 3 OF 4	REV. A
	(R) TERMINAL JUNCTION SYSTEM, TERMINAL JUNCTION BLOCKS, SECTIONAL, BUSSING MODULES, FEED THRU TYPE, SIZE 20, SERIES I		