

RATIONALE

AS81714/9 HAS BEEN REAFFIRMED TO COMPLY WITH THE SAE FIVE-YEAR REVIEW POLICY.

NOTICE

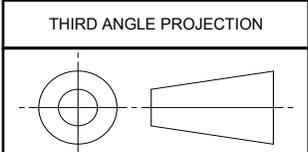
THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MIL-T-81714/9F AND CONTAINS ONLY MINOR EDITORIAL AND FORMAT CHANGES REQUIRED TO BRING IT INTO CONFORMANCE WITH THE PUBLISHING REQUIREMENTS OF SAE TECHNICAL STANDARDS. THE INITIAL RELEASE OF THIS DOCUMENT IS INTENDED TO REPLACE MIL-T-81714/9F. ANY PART NUMBERS ESTABLISHED BY THE ORIGINAL SPECIFICATION REMAIN UNCHANGED.

THE ORIGINAL MILITARY SPECIFICATION WAS ADOPTED AS AN SAE STANDARD UNDER THE PROVISIONS OF THE SAE TECHNICAL STANDARDS BOARD (TSB) RULES AND REGULATIONS (TSB 001) PERTAINING TO ACCELERATED ADOPTION OF GOVERNMENT SPECIFICATIONS AND STANDARDS. TSB RULES PROVIDE FOR (A) THE PUBLICATION OF PORTIONS OF UNREVISED GOVERNMENT SPECIFICATIONS AND STANDARDS WITHOUT CONSENSUS VOTING AT THE SAE COMMITTEE LEVEL, AND (B) THE USE OF THE EXISTING GOVERNMENT SPECIFICATION OR STANDARD FORMAT.

UNDER DEPARTMENT OF DEFENSE POLICIES AND PROCEDURES, ANY QUALIFICATION REQUIREMENTS AND ASSOCIATED QUALIFIED PRODUCTS LISTS ARE MANDATORY FOR DOD CONTRACTS. ANY REQUIREMENT RELATING TO QUALIFIED PRODUCTS LISTS (QPL'S) HAS NOT BEEN ADOPTED BY SAE AND IS NOT PART OF THIS TECHNICAL REPORT.

SAENORM.COM : Click to view the full PDF of as81714-9

**SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS81714/9>**



CUSTODIAN: AE-8C2



**AEROSPACE STANDARD**

TERMINAL JUNCTION SYSTEM, TERMINAL JUNCTION BLOCKS, SECTIONAL, BUSSING MODULES, FEEDTHRU TYPE, SIZE 12, SERIES I

**SAE AS81714/9**  
SHEET 1 OF 4

ISSUED 1998-07 REAFFIRMED 2012-01

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

**SAE AS81714/9**

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

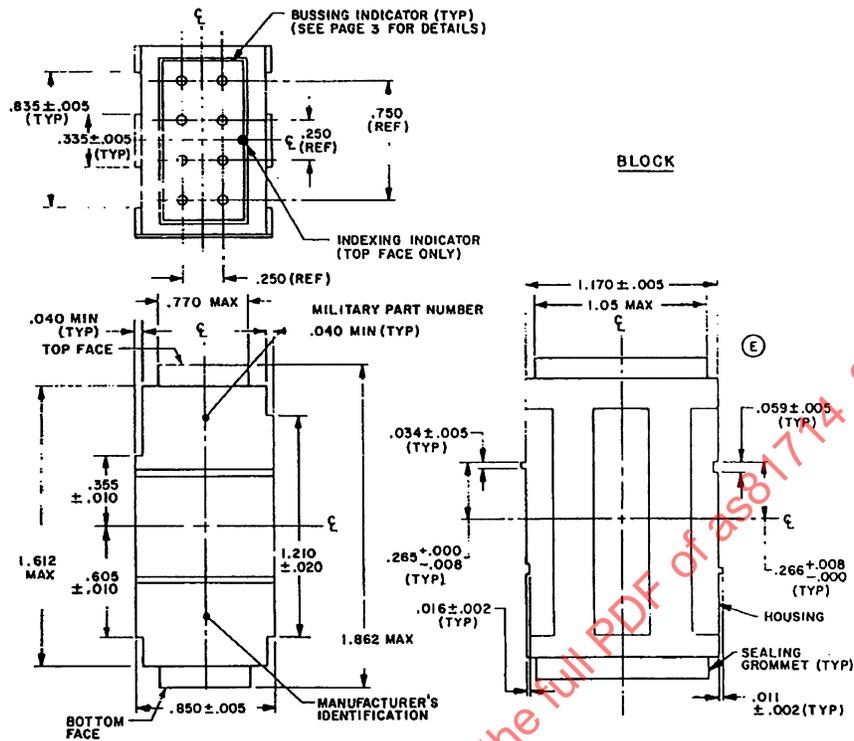


TABLE 1

Part Number <u>1/</u> <u>2/</u>	Consists of Block and	
	Contacts Part Number	End Sealing Plugs Part Number
M81714/9-D**	M39029/1-103	MS27488-12

\*\* Bussing Arrangement

1/ See Note 6

2/ See Note 7

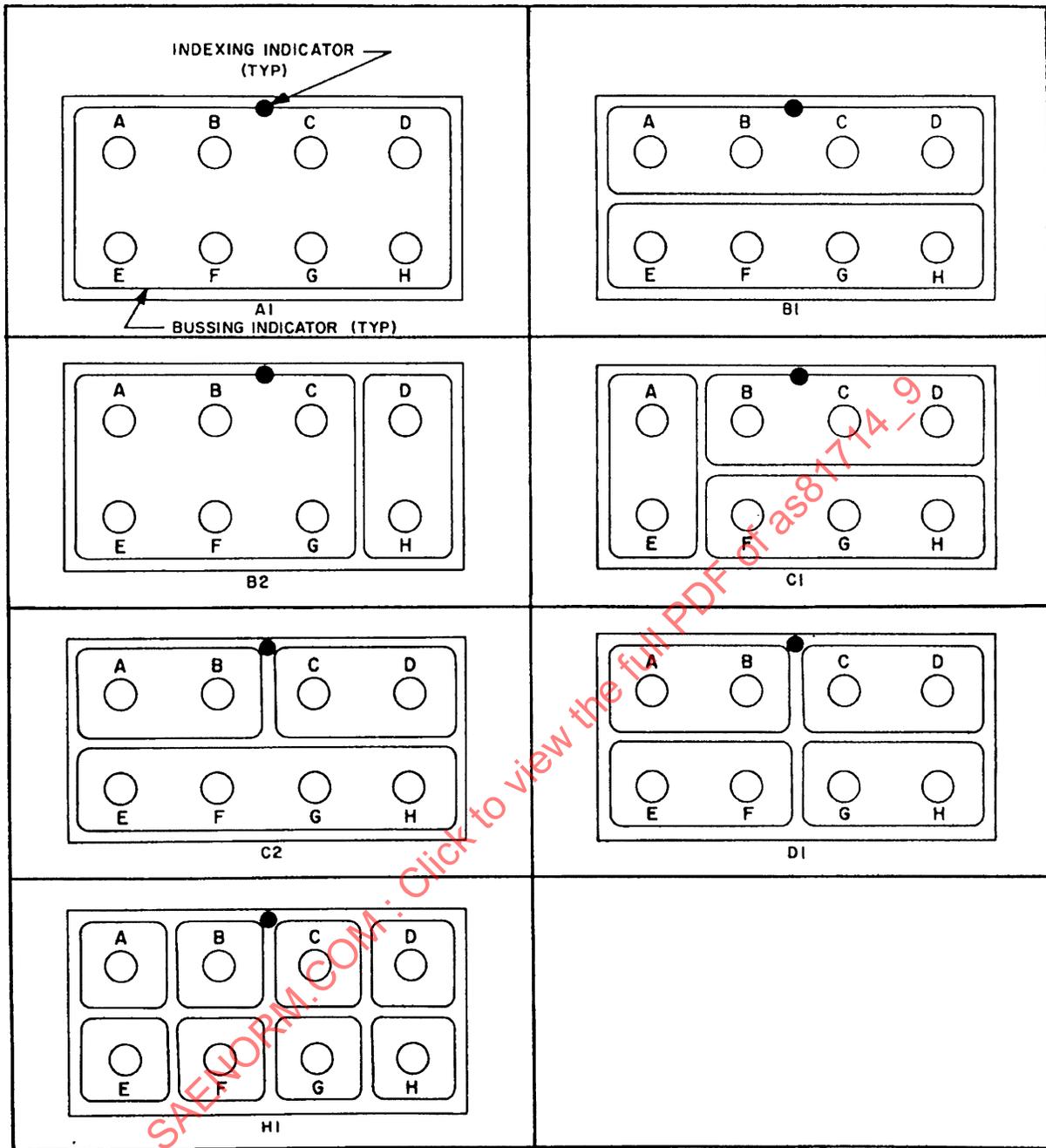
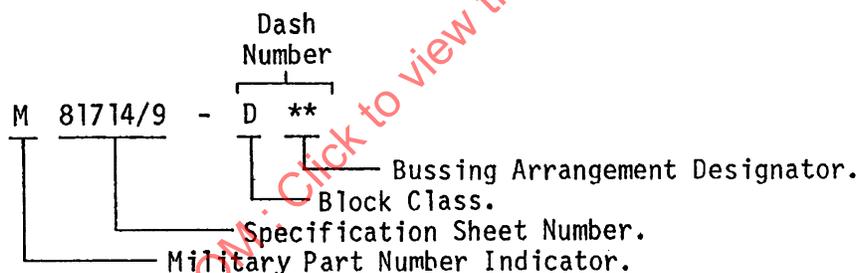


FIGURE 1. BUSSING ARRANGEMENTS.

Inch	mm	Inch	mm	Inch	mm	Inch	mm
.002	0.05	.034	0.86	.335	8.51	.850	21.59
.005	0.13	.040	1.02	.355	9.02	1.165	29.59
.008	0.20	.059	1.50	.605	15.37	1.170	29.72
.010	0.25	.250	6.35	.750	19.05	1.210	30.73
.011	0.28	.265	6.73	.770	19.56	1.612	40.94
.016	0.41	.266	6.76	.835	21.21	1.862	47.29
.020	0.51						

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. THIS BLOCK IS DESIGNED FOR INSTALLATION IN MIL-T-81714/10 AND MIL-T-81714/14 RACKS WITH ITS INDEXING INDICATOR ADJACENT TO THE INDEXING RACK RAIL.
3. TOOL FOR CONTACT INSERTING/REMOVAL IS M81969/14-04 OR M81969/8-10 AND SHALL BE ORDERED SEPARATELY.
4. METRIC EQUIVALENTS (TO THE NEAREST .01 MM) ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.
5. INTERNATIONAL INTEREST, SEE SPECIFICATION MIL-T-81714.
6. THE PART NUMBER CONSISTS OF THE LETTER M, SPECIFICATION SHEET NUMBER, BLOCK CLASS, AND BUSSING ARRANGEMENT DESIGNATOR.



PART NUMBER EXAMPLE:

M81714/9-DA1

SIZE 12 FEEDTHRU BLOCK, CLASS D, WITH ONE COMMON BUS AS SHOWN ON FIGURE 1 BUSSING ARRANGEMENT A1.

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