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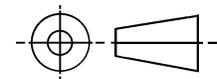
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AS81714/24

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THIRD ANGLE PROJECTION



ISSUED 2001-07

PREPARED BY SAE SUBCOMMITTEE AE-8C2



AEROSPACE STANDARD

TERMINAL JUNCTION SYSTEM, TERMINAL JUNCTION BLOCKS, SECTIONAL, ELECTRONIC, IN-LINE JUNCTIONS, DOUBLE, INTEGRAL DIODE(S), SERIES I

AS81714/24
SHEET 1 OF 5

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

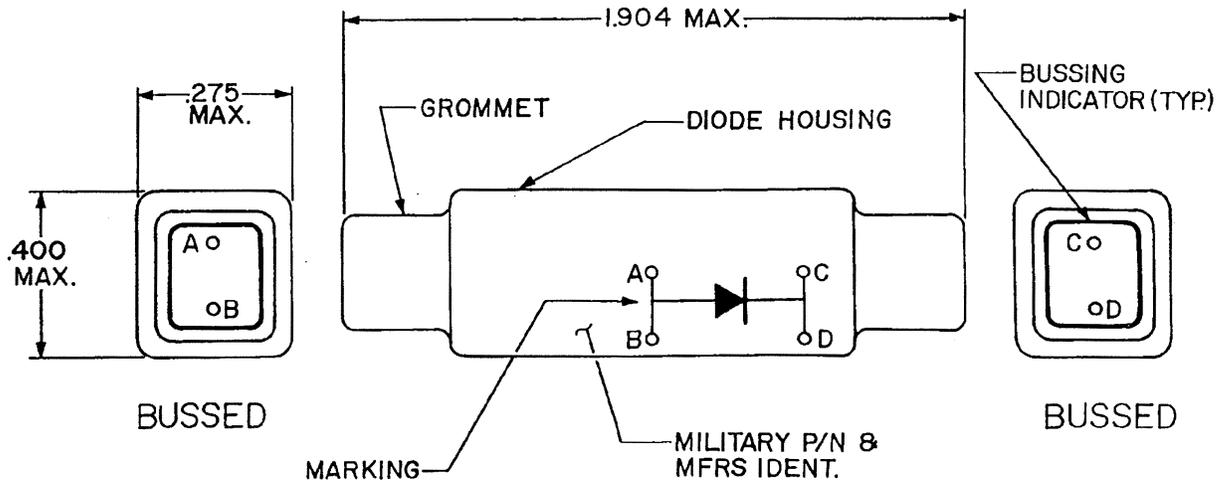


FIGURE 1. STYLE 1, SINGLE DIODE IN-LINE JUNCTION (REF TABLE I).

TABLE I. STYLE 1, PART NUMBERS.

Part Number <u>1/</u> <u>2/</u>	Contacts (See Note 3)		
	Diode P/N	Size	Part Number
M81714/24-1D001	JAN 1N5618	22	M39029/1-100
M81714/24-1D002	JAN 1N5618	20	M39029/1-101

1/ See Note 6
2/ See Note 7

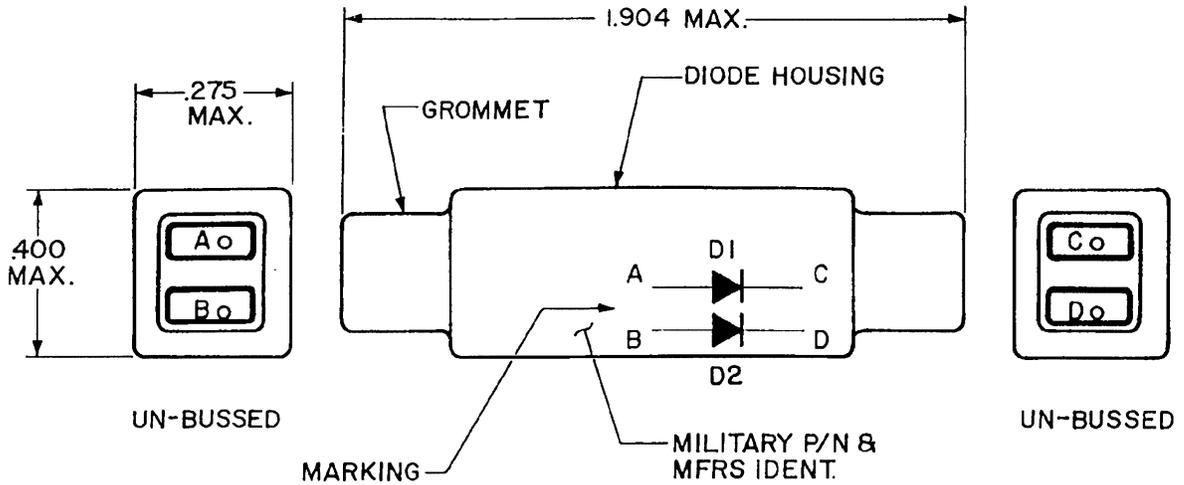


FIGURE 2. STYLE 2, TWO DIODE IN-LINE JUNCTION (REF TABLE II).

TABLE II. STYLE 2, PART NUMBERS.

Part Number <u>1/</u> <u>2/</u>	Ref	Diode P/N	Contacts (See Note 3)	
			Size	Part Number
M81714/24-2D001	D1	JAN 1N5618	22	M39029/1-100
	D2	JAN 1N5618	22	M39029/1-100
M81714/24-2D002	D1	JAN 1N5618	20	M39029/1-101
	D2	JAN 1N5618	20	M39029/1-101

1/ See Note 6
2/ See Note 7

Inch	mm
.275	6.99
.287	7.29
.400	10.16
.408	10.36
.468	11.89
1.904	48.36
2.840	72.14

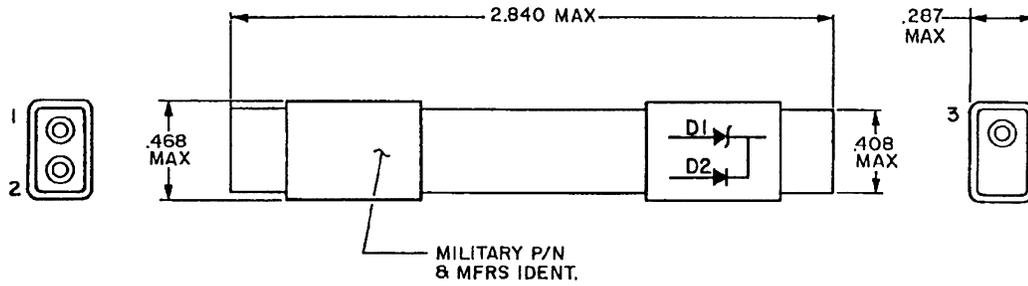


FIGURE 3. STYLE 3, TWO DIODES IN-LINE JUNCTION (ZENER & LOW POWER RECT).

TABLE III. PART NUMBERS FOR STYLE 3.

Military Part Number <u>1/</u> <u>2/</u>	Ref	Diode P/N	Contacts	
			Size	Part Number
M81714/24-3D001	D1 D2	1N5333** JAN 1N647	16	M39029/1-102

1/ See Note 6.

** Joint Electronic Design Engineering Council (EIA), 2001 Eye Street, N.W., Washington, DC 20006.

2/ See Note 7.

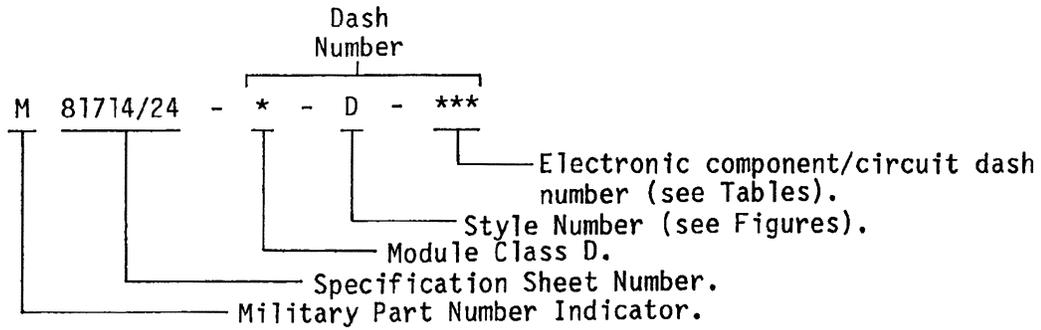
REQUIREMENTS:

1. MATERIALS:

- a. CURRENT CARRYING MEMBERS OF THE IN-LINE JUNCTION SHALL BE IN ACCORDANCE WITH THE IN-LINE JUNCTION SPECIFICATION.
- b. HOUSING SHALL BE COVERED BY SHRINK TUBING AND/OR SHROUDED WITH GROMMET MATERIAL.

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. MIL-T-81714 REQUIREMENTS APPLY TO BASIC IN-LINE JUNCTION ONLY. FOR RATING AND CHARACTERISTICS OF ELECTRONIC COMPONENT(S), CONSULT COMPONENT SPECIFICATION.
3. TOOL FOR CONTACT INSERTING/REMOVAL IS M81969/14-02 OR M81969/8-04 OR M81969/8-06 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, MODULE CLASS D, STYLE NUMBER (SEE FIGURES), AND ELECTRONIC COMPONENT/CIRCUIT DASH NUMBER (SEE TABLES).



PART NUMBER EXAMPLE:

M81714/24-1D001

DIODE IN-LINE JUNCTION, SIZE 22, STYLE 1, WITH 001 CIRCUIT (ONE JAN 1N5618 DIODE).

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