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REV.  
B

AS81714™/24

FEDERAL SUPPLY CLASS  
5940

## RATIONALE

REVISION IS REQUIRED TO REMOVE THE M81969/14-02 TOOL FROM TABLE 1, TO CORRECT THE PART NUMBER IMAGE FORMAT, TO CORRECT THE METRIC EQUIVALENTS AND MOVE THEM UNDER THE FIGURE, AND TO MAKE OTHER NECESSARY EDITORIAL CORRECTIONS.

## NOTICE

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

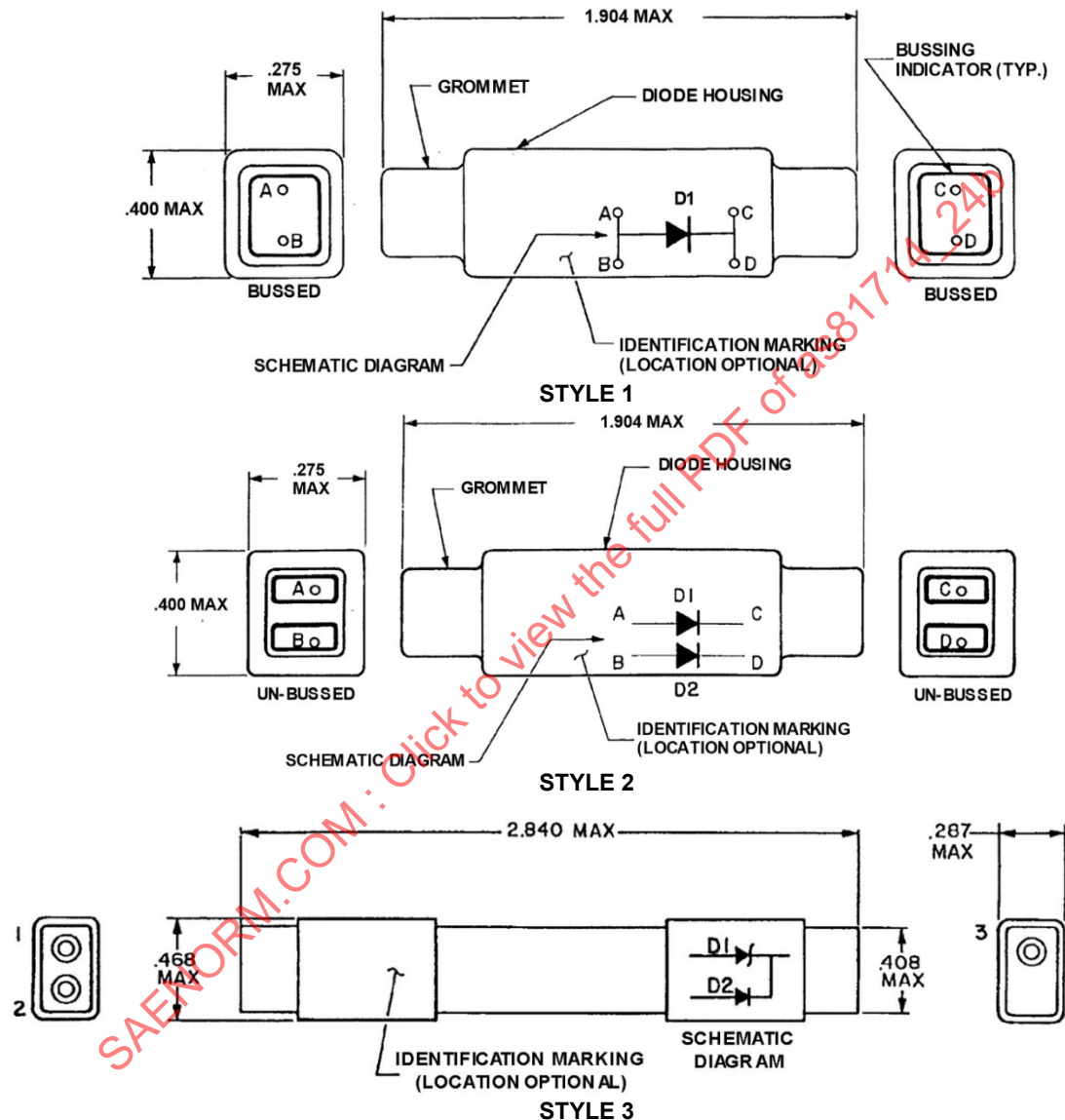
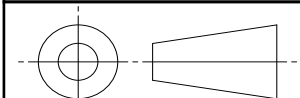


FIGURE 1 - DIODE IN-LINE JUNCTION DOUBLE BODY CONFIGURATIONS

For more information on this standard, visit

<https://www.sae.org/standards/content/AS81714/24B/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C2

PROCUREMENT SPECIFICATION: AS81714



## AEROSPACE STANDARD

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

AS81714™/24  
SHEET 1 OF 3

REV.  
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ISSUED 2001-07 REAFFIRMED 2012-01 REVISED 2021-08

**TABLE 1 - FIGURE 1 ENGLISH TO METRIC UNIT CONVERSIONS**

INCH	MM	INCH	MM
.275	6.99	.468	11.89
.287	7.29	1.904	48.36
.400	10.2	2.840	71.14
.408	10.36		

**TABLE 2 - AS81714/24 DASH NUMBERS FOR VARIOUS STYLE CONFIGURATIONS IN FIGURE 1**

PART NUMBER M81714/24-	STYLE	CONTACT SIZE (SEE TABLE 2)	DIODE REF (D*)	PART NUMBER	SPECIFICATION NUMBER
-1D001	1	22	D1	JAN 1N5618	MIL-PRF-19500/427
-1D002		20			
-2D001	2	22	D1		
-2D002			D2		
		20	D1		
			D2		
-3D001	3	16	D1	1N5333 OR EQUIVALENT	1/
			D2	JAN 1N647-1	MIL-PRF-19500/240

1/ ELECTRONIC COMPONENT, 2500 WILSON BOULEVARD, ARLINGTON, VA 22201-3834

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

**CONFIGURATION:**


- DIMENSIONS SHALL BE IN INCHES AND TOLERANCES AS SPECIFIED. METRIC EQUIVALENTS (TO THE NEAREST 0.01 MM) IN TABLE 1 ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.
- IN-LINE DOUBLE JUNCTION SHALL BE CONFIGURED IN ACCORDANCE WITH FIGURE 1. BUSSING ARRANGEMENT SHALL BE AS SHOWN IN COMPONENT END VIEW.
- CONTACT SOCKETS FOR ALL GROMMET CAVITIES SHALL BE IN ACCORDANCE WITH AS81714 AND INTERNALLY CONNECTED TO ALL CONTACT SOCKETS AND ELECTRONIC COMPONENTS IN EACH BUSSING INDICATOR (SEE SCHEMATIC) SHOWN IN FIGURE 1 (I.E., CONTACTS SOCKETS A AND B OR C AND D ARE CONNECTED TO EACH OTHER AND ONE END OF THE DIODE RESPECTIVELY FOR STYLE 1 IN FIGURE 1).
- THE CONTACT MATING END RETENTION SYSTEM AND GROMMET WIRE SEALING SHALL BE IN ACCORDANCE WITH AS81714.
- ELECTRONIC COMPONENTS SHALL MEET THE SPECIFICATION REQUIREMENTS LISTED TABLE 2.

**MATERIALS:**

- JUNCTION HOUSING, GROMMET, AND INTERNAL PARTS SHALL BE IN ACCORDANCE WITH AS81714.

**IDENTIFICATION MARKING:**

- JUNCTION HOUSING SHALL BE MARKED AS SHOWN IN FIGURE 1, 2, AND 3. IDENTIFICATION MARKING SHALL INCLUDE MANUFACTURER NAME OR SYMBOL, PART NUMBER, AND PART NUMBER (LOCATION OPTIONAL).
- JUNCTION HOUSING SHALL BE BLACK, AND GROMMET SHALL BE BLUE.

	<b>AEROSPACE STANDARD</b>	<b>AS81714™/24</b> SHEET 2 OF 3	<b>REV.</b> <b>B</b>
	(R) TERMINAL JUNCTION SYSTEM, TERMINAL JUNCTION BLOCKS, SECTIONAL ELECTRONIC IN-LINE JUNCTIONS, DOUBLE, INTEGRAL DIODE(S), SERIES I		