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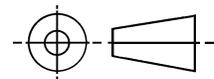
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AS81714/22

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THIRD ANGLE PROJECTION



ISSUED 2001-07

PREPARED BY SAE SUBCOMMITTEE AE-8C2



AEROSPACE STANDARD

TERMINAL JUNCTION SYSTEM, TERMINAL JUNCTION BLOCKS, ELECTRONIC, IN-LINE JUNCTION, INTEGRAL RESISTOR, SERIES I

AS81714/22
SHEET 1 OF 4

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

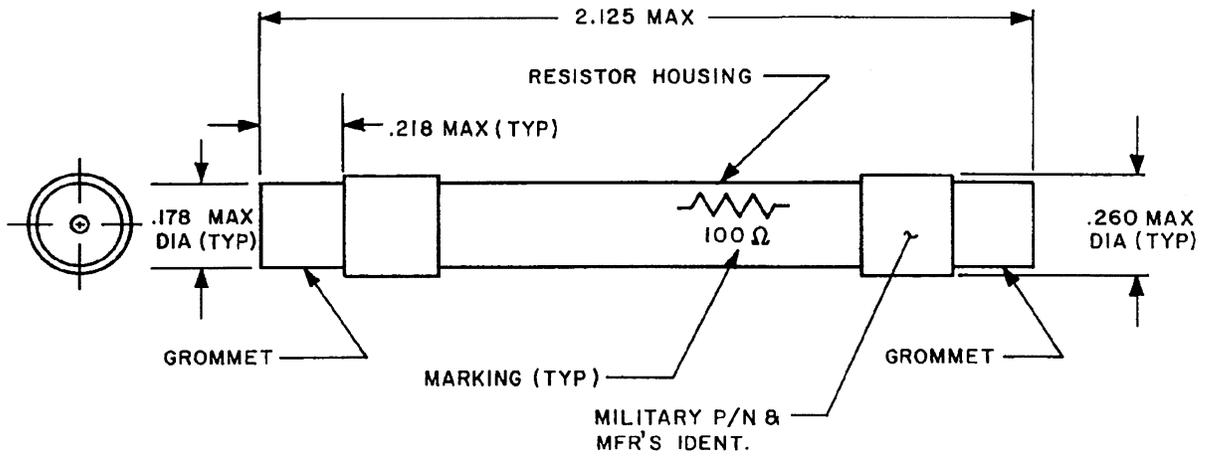


FIGURE 1. STYLE 1 ELECTRONIC IN-LINE JUNCTION.

TABLE I. STYLE 1 PART NUMBERS.

Part Number ^{1/}	Ohms	Resistor P/N	Contacts (See Note 3)	
			Size	Part Number
M81714/22-1-*001	100	RLR07C1000JP	20	M39029/1-101
M81714/22-1-*002	9100	RLR07C9101GM	20	M39029/1-101

^{1/} See Note 5
[‡] Class D

Inch	mm	Inch	mm
.178	4.52	.310	7.87
.218	5.54	.410	10.41
.225	5.72	2.125	53.98
.256	6.50	2.600	66.04
.260	6.60	3.100	78.74
.280	7.11		

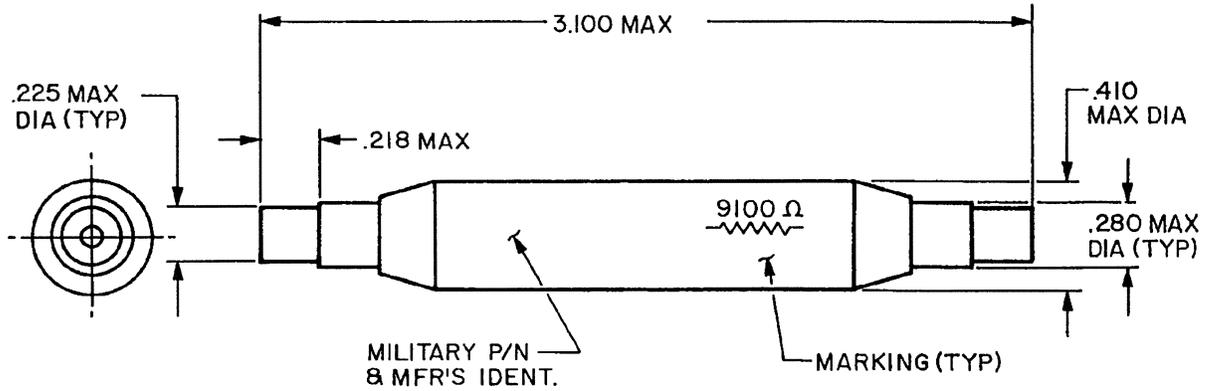


FIGURE 2. STYLE 2 ELECTRONIC IN-LINE JUNCTION.

TABLE II. STYLE 2 PART NUMBERS.

Part Number <u>1/</u>	Ohms	Resistor P/N	Contacts	
			Size	Part Number
M81714/22-2-*001	9100	RLR20C9101GM	20	M39029/1-101

1/ See Note 5
* Class D

REQUIREMENTS:

1. MATERIALS:
 - a. CURRENT CARRYING MEMBERS OF THE ELECTRONIC 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 SHALL BE ORDERED SEPARATELY.

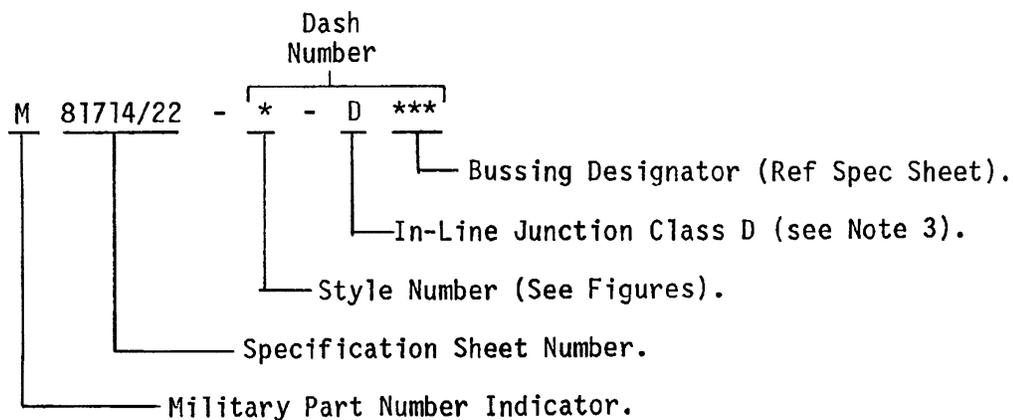
Electronic In-Line
Junction Style

Tool

1
2

M81969/14-02
M81969/14-03

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, STYLE NUMBER (SEE FIGURES), IN-LINE JUNCTION CLASS D (SEE NOTE 3), AND BUSSING DESIGNATOR (REF SPEC SHEET).



PART NUMBER EXAMPLE:

M81714/22-1D001

IN-LINE JUNCTION, SIZE 22, STYLE 1, CLASS D WITH 001 CIRCUIT (ONE RLR07C101JM RESISTOR).

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