

RATIONALE

REVISION IS REQUIRED TO REMOVE THE M81969/14-02 TOOL FROM TABLE 1, TO CORRECT THE PART NUMBER IMAGE FORMAT AND REMOVE "SAE" FROM THE PART NUMBER REFERENCE IN FIGURE 1, TO CORRECT THE METRIC EQUIVALENTS AND MOVE THEM TO TABLE 1 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.

REV.  
B

AS81714™/11

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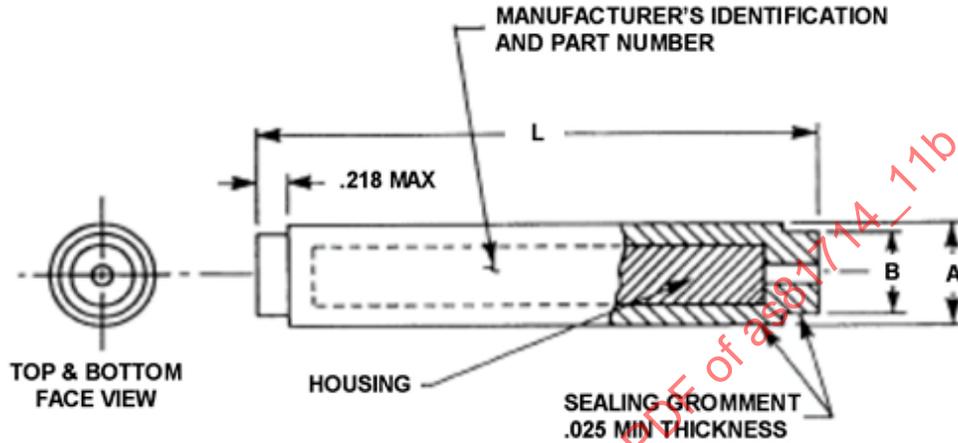


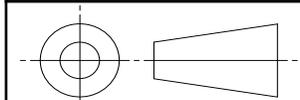
FIGURE 1 - WIRE IN-LINE JUNCTION SINGLE BODY - CONTACT SIZES 22, 20, 16, AND 12

TABLE 1 - WIRE IN-LINE JUNCTION DIMENSIONS

PART NUMBER	A DIA ±.025	B DIA MAX	L MAX
M81714/11-22D	.250 (6.35)	.225 (5.72)	1.552 (39.42)
M81714/11-20D	.250 (6.35)	.225 (5.72)	1.552 (39.42)
M81714/11-16D	.281 (7.14)	.256 (6.50)	1.922 (48.82)
M81714/11-12D	.344 (8.74)	.319 (8.10)	1.922 (48.82)

For more information on this standard, visit  
<https://www.sae.org/standards/content/AS81714/11B/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C2

PROCUREMENT SPECIFICATION: AS81714



**AEROSPACE STANDARD**

(R) TERMINAL JUNCTION SYSTEM, TERMINAL JUNCTION BLOCKS, SECTIONAL, WIRE IN-LINE JUNCTIONS, SINGLE, SERIES I

AS81714™/11  
SHEET 1 OF 3

REV.  
B

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

CONFIGURATION:

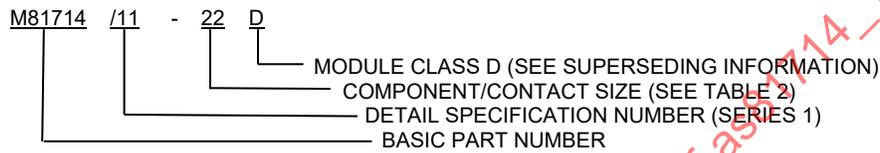
1. DIMENSIONS SHALL BE IN INCHES AND TOLERANCES AS SPECIFIED. METRIC EQUIVALENTS (TO THE NEAREST 0.01 MM) ARE IN PARENTHESES AND GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.
2. IN-LINE JUNCTIONS SHALL BE CONFIGURED IN ACCORDANCE WITH FIGURE 1 AND TABLE 1.
3. THE CONTACT MATING END RETENTION SYSTEM AND GROMMET WIRE SEALING SHALL BE IN ACCORDANCE WITH AS81714.

MATERIALS:

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

MARKING:

1. JUNCTION HOUSING SHALL BE BLACK AND GROMMET SHALL BE BLUE.
2. PART IDENTIFICATION NUMBER:



TOOLS:

1. THE AS81969 TOOLS FOR CONTACT INSERTING/REMOVAL ARE AS SPECIFIED IN TABLE 2 AND SHALL BE ORDERED SEPARATELY.
2. CONTACTS AND SEALING PLUGS.

THE AS39029 MATING CONTACT AND MS27488 GROMMET SEAL PLUGS ARE AS SPECIFIED IN TABLE 2. MINIMUM QUANTITIES SHALL BE PROVIDED THE SAME AS THAT SPECIFIED IN AS81714 FOR A FEED THRU TERMINAL BLOCK.

**TABLE 2 - ACCESSORY PART NUMBERS**

PART NUMBER	SIZE	CONTACT CONFIGURATION		CONDUCTOR RANGE	CONTACT	GROMMET SEAL PLUG	INSTALLING TOOL	REMOVAL TOOL
		MATE END	WIRE BARREL					
M81714/11-22D	22	16	22	26-22	M39029/1-100	MS27488-20-2	M81969/14-11	M81969/14-11
M81714/11-20D	20	16	20	24-20	M39029/1-101		M81969/8-05	M81969/8-06
M81714/11-16D	16	14	16	20-16	M39029/1-102	MS27488-16-2	M81969/8-305	M81969/8-306
							M81969/8-205	M81969/8-206
							M81969/14-03	M81969/14-03
M81714/11-12D	12	12	12	12-14	M39029/1-103	MS27488-12-2	M81969/8-07	M81969/8-08
							M81969/8-307	M81969/8-308
							M81969/8-207	M81969/8-208
							M81969/8-309	M81969/8-310
							M81969/8-209	M81969/8-210

	<b>AEROSPACE STANDARD</b>	<b>AS81714™/11</b> SHEET 2 OF 3	<b>REV.</b> <b>B</b>
	(R) TERMINAL JUNCTION SYSTEM, TERMINAL JUNCTION BLOCKS, SECTIONAL, WIRE IN-LINE JUNCTIONS, SINGLE, SERIES I		