

SAE Executive Standards Committee 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.

REV.
B

AS81714™/21

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 FIGURES, 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.

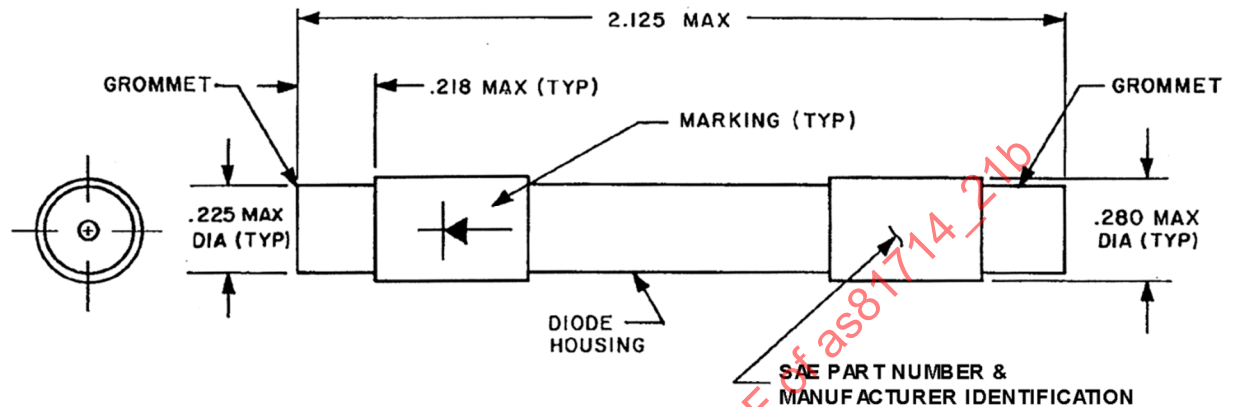


FIGURE 1 - STYLE 1 WIRE IN-LINE JUNCTION SINGLE BODY WITH DIODE

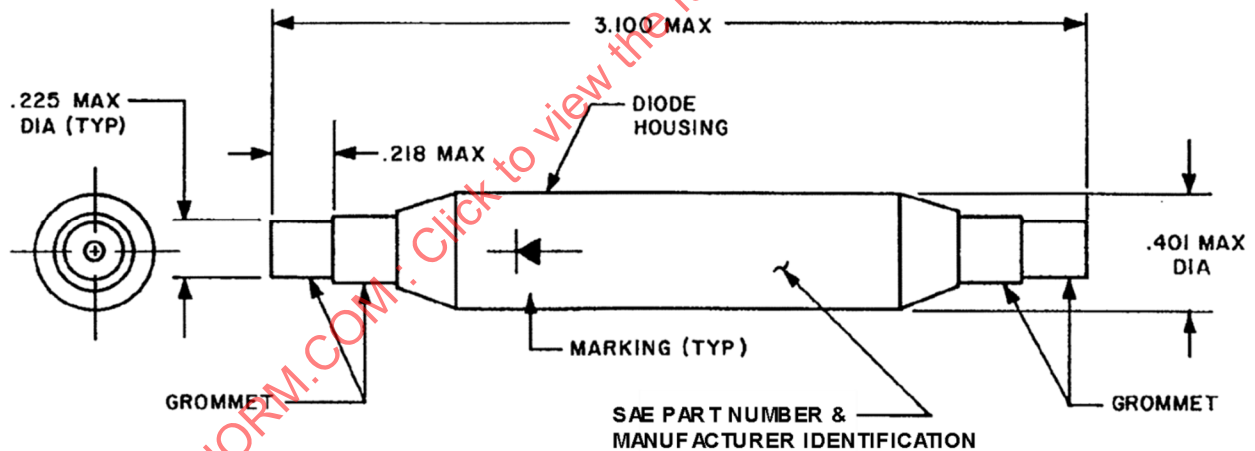
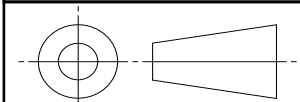


FIGURE 2 - STYLE 2 WIRE IN-LINE JUNCTION SINGLE BODY WITH DIODE

For more information on this standard, visit

<https://www.sae.org/standards/content/AS81714/21B>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C2

PROCUREMENT SPECIFICATION: AS81714



AEROSPACE STANDARD

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

AS81714™/21
SHEET 1 OF 3

REV.
B

Copyright © 2021 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Fax: 724-776-0790

Tel: +1 724-776-4970 (outside USA)
Email: CustomerService@sae.org

SAE WEB ADDRESS: <http://www.sae.org>

ISSUED 2001-07 REAFFIRMED 2006-10 REVISED 2021-04

TABLE 1 - FIGURES 1 AND 2 ENGLISH TO METRIC UNIT CONVERSIONS

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			

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

CONFIGURATION:

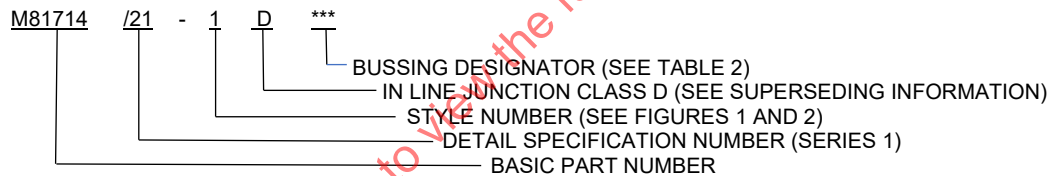
1. DIMENSIONS SHALL BE IN INCHES AND TOLERANCES AS SPECIFIED. METRIC EQUIVALENTS (TO THE NEAREST 0.01 MM) IN TABLE 1 ARE GIVEN FOR GENERAL INFORMATION ONLY AND ARE BASED UPON 1 INCH = 25.4 MM.
2. IN-LINE JUNCTION SHALL BE CONFIGURED IN ACCORDANCE WITH FIGURES 1 AND 2.
3. THE CONTACT MATING END RETENTION 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 THROUGH TERMINAL BLOCK.