

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.
C

AS39029™/92

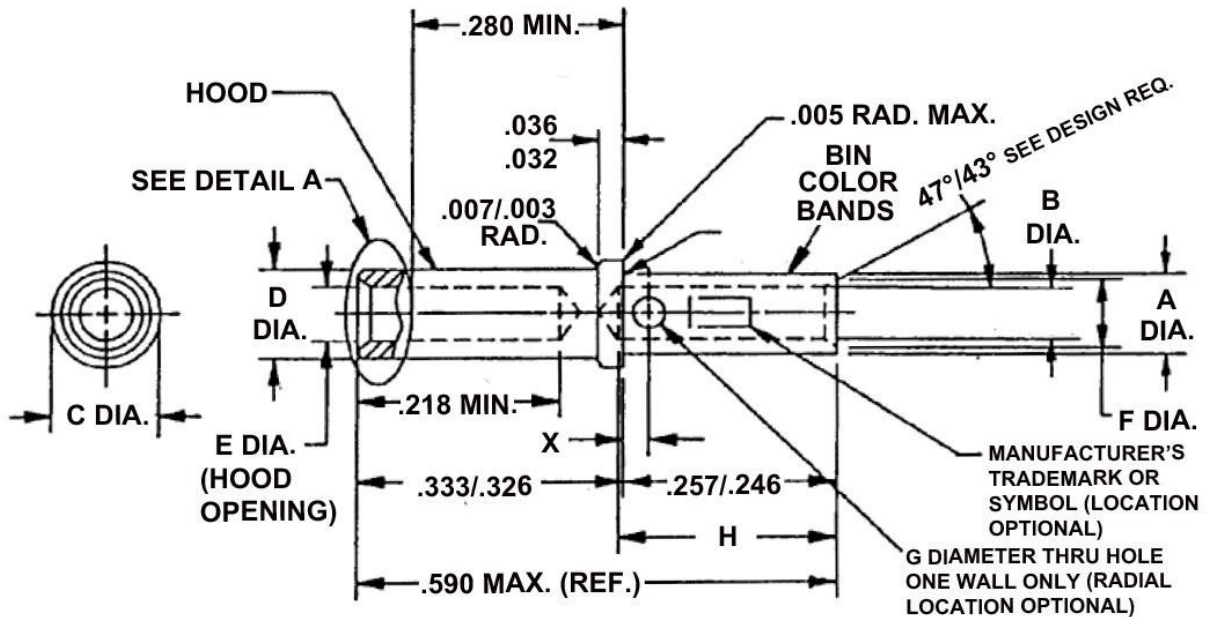
FEDERAL SUPPLY CLASS
5935

RATIONALE

LIMITED SCOPE REVISION REQUIRED TO UPDATE TOOL TABLE AND MINOR CHANGES AS NEEDED.

NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS39029.



SOCKET CONTACT DESIGN AND WIRE BARREL DESIGN, BINS 532 & 533

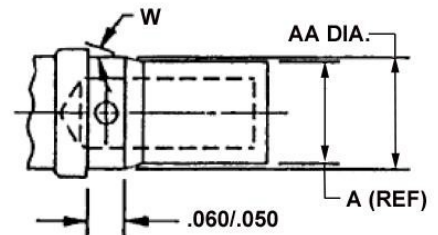
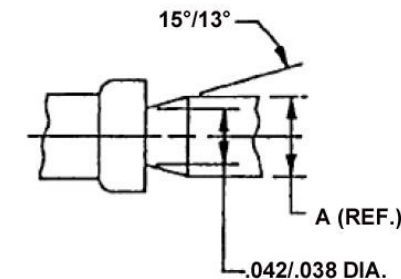
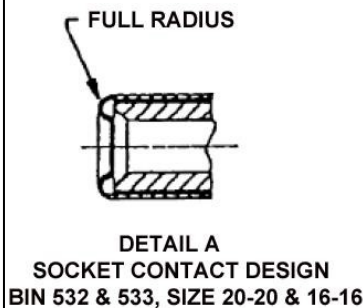
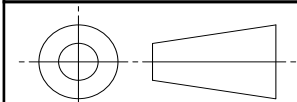


FIGURE 1 - SOCKET CONTACT DESIGN AND WIRE BARREL DESIGN VARIATIONS

For more information on this standard, visit
<https://www.sae.org/standards/content/AS39029/92C/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS39029



AEROSPACE STANDARD

CONTACTS, ELECTRICAL CONNECTOR, SOCKET
REMOVABLE (FOR MIL-PRF-6106 AND
MIL-DTL-12883/40 AND /41 RELAY SOCKETS)

AS39029™/92
SHEET 1 OF 4

REV.
C

Documents

Copyright © 2024 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, or used for text and data mining, AI training, or similar technologies, without the prior written permission of SAE.

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

Tel: +1 724-776-4970 (outside USA)

Fax: 724-776-0790

Email: CustomerService@sae.org

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

TABLE 1 - FIGURE 1 METRIC EQUIVALENTS

INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS
.003	0.08	.036	0.91	.060	1.52	.326	8.28
.005	0.13	.039	0.99	.218	5.54	.333	8.46
.007	0.18	.042	1.07	.246	6.25	.590	14.99
.032	0.81	.050	1.27	.257	6.53		

TABLE 2 - FIGURE 1 DIMENSIONS

BIN CODE	A DIA	B DIA	C DIA	D DIA MAX	E DIA MIN	F DIA	G DIA	H	W°	X	AA
531	.053 (1.35)	.038 (0.97)	.076 (1.93)	.0615 (1.56)	.0315 (0.80)	.047 (1.19)	.022 (0.56)	.140 (3.56)		.146 (3.71)	
	.051 (1.30)	.036 (0.91)	.073 (1.85)			.043 (1.09)	.017 (0.43)	.120 (3.05)		.126 (3.20)	
532	.078 (1.98)	.050 (1.27)	.103 (2.62)	.078 (1.98)	.0415 (1.05)	.066 (1.68)	.032 (0.81)		N/A		N/A
	.076 (1.93)	.048 (1.22)	.100 (2.54)			.062 (1.57)	.026 (0.66)				
533	.103 (2.62)	.068 (1.73)				.089 (2.26)	.042 (1.07)				
	.101 (2.57)	.066 (1.68)	.133 (3.38)	.113 (2.87)	.0635 (1.61)	.083 (2.11)	.036 (0.91)				
534	.078 (1.98)	.050 (1.27)	.130 (3.30)			.066 (1.68)	.032 (0.81)	.284 (7.21)	46°	.040 (1.02)	.103 (2.62)
	.076 (1.93)	.048 (1.22)				.062 (1.57)	.026 (0.66)	.250 (6.35)	44°	.020 (0.51)	.101 (2.57)
535	.151 (3.84)	.102 (2.59)				.136 (3.45)			16°		
	.148 (3.76)	.098 (2.49)	.190 (4.83)	.161 (4.09)	.0955 (2.43)	.130 (3.30)	.042 (1.07)		14°		.158 (4.01)
536	.103 (2.62)	.068 (1.73)	.187 (4.75)			.089 (2.26)	.036 (0.91)		46°		.155 (3.94)
	.101 (2.57)	.066 (1.68)				.083 (2.11)			44°		

TABLE 3 - DESIGN CHARACTERISTICS

BIN CODE	COLOR BAND 1/			MATING END SIZE	WIRE BARREL SIZE	TYPE	CLASS
	1ST	2ND	3RD				
531	GREEN	ORANGE	BROWN	22	22	A	A
532	GREEN	ORANGE	RED	20	20		
533	GREEN	ORANGE	ORANGE	16	16		
534	GREEN	ORANGE	YELLOW	16	20		
535	GREEN	ORANGE	GREEN	12	12		
536	GREEN	ORANGE	BLUE	12	16		

1/ REFER TO AS39029 FOR MARKING OPTIONS.



AEROSPACE STANDARD

 CONTACTS, ELECTRICAL CONNECTOR, SOCKET
 REMOVABLE (FOR MIL-PRF-6106 AND
 MIL-DTL-12883/40 AND /41 RELAY SOCKETS)

 AS39029™/92
 SHEET 2 OF 4

REV.



Documents

Document Sharing Hub