

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.
D

AS39029™/93

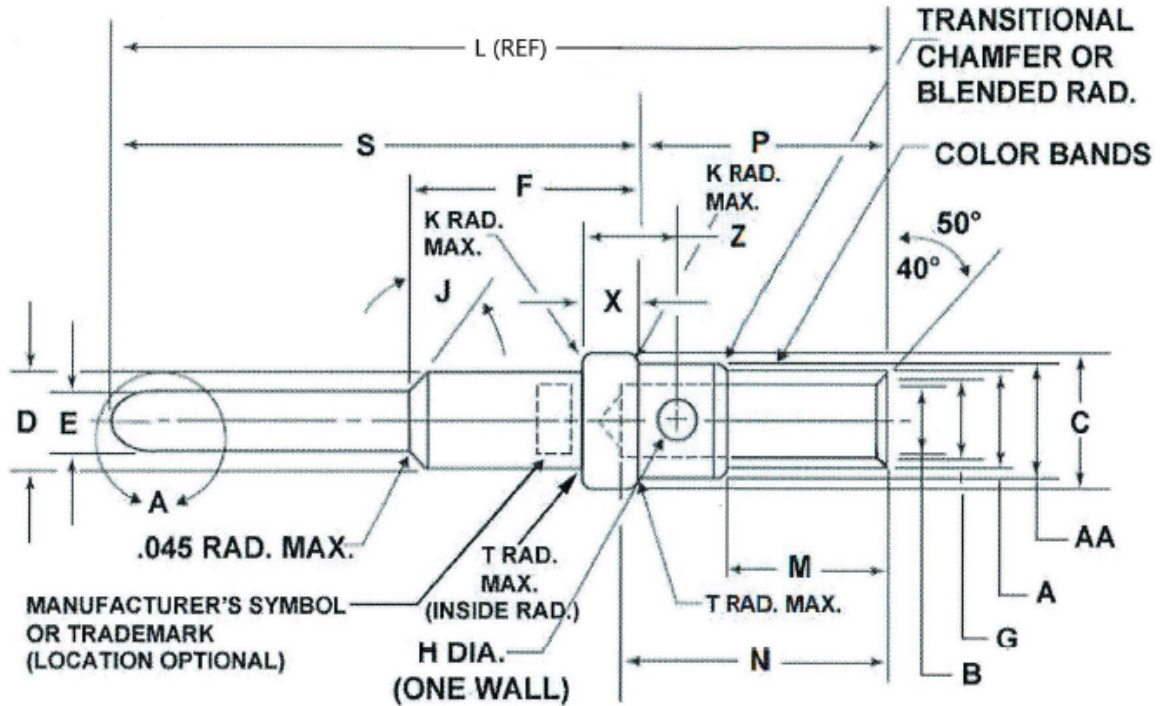
FEDERAL SUPPLY CLASS
5999

RATIONALE

REVISION REQUIRED TO ADD AS22520/7-14 TOOL AND PROVIDE MINOR TECHNICAL CHANGES AS NEEDED.

NOTICE

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

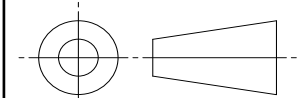


PIN SIDE (ALL BIN CODES) AND WIRE BARREL SIDE (BIN CODE 539 & 540)

FIGURE 1 - AS39029/93 PIN CONTACT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS39029/93D/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS39029



AEROSPACE STANDARD

CONTACTS, ELECTRICAL CONNECTOR,
PIN, CRIMP REMOVABLE
(FOR MIL-DTL-83527, CONNECTOR)

AS39029™/93
SHEET 1 OF 4

REV.
D

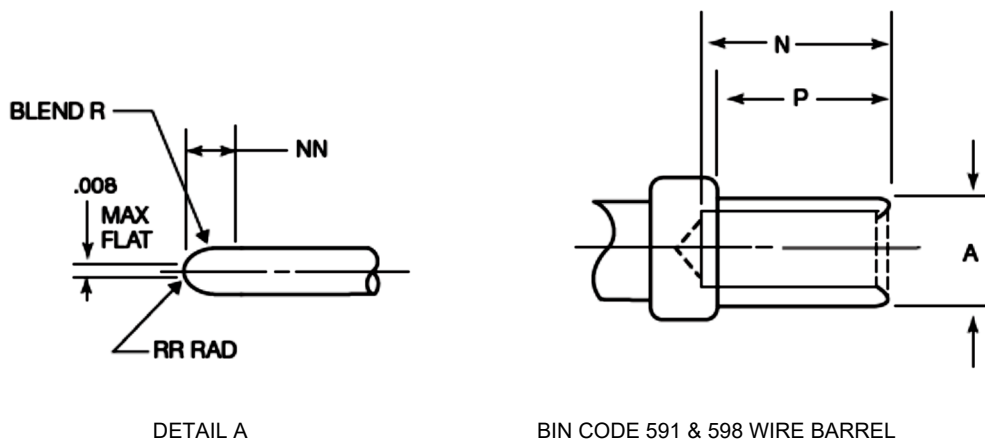
Documents

Copyright © 2026 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: 1-877-606-7323 (U.S. and Canada only)
Fax: 724-776-0790

Tel: 1-724-776-4970 (outside U.S. and Canada)
Email: CustomerService@sae.org

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



DETAIL A

BIN CODE 591 & 598 WIRE BARREL

FIGURE 1 - AS39029/93 PIN CONTACT (CONTINUED)

TABLE 1 - CONTACT DIMENSIONS

BIN CODE	A DIA	B DIA	C DIA	D DIA	E DIA	F	G DIA	H DIA	J (DEG)	K RAD	L (REF)
597 (22-22)	.052 (1.32) .050 (1.27)	.0375 (0.953) .0340 (0.864)	.070 (1.78) .068 (1.73)	.050 (1.27) .047 (1.19)	.031 (0.79) .029 (0.74)	.137 (3.48) .127 (3.23)	.047 (1.19) .041 (1.04)	.022 (0.56) .018 (0.46)	--	.003 (0.08)	.665 (16.89) .645 (16.38)
598 (20-20)	.068 (1.73) .065 (1.65)	.0460 (1.168) .0430 (1.092)	.084 (2.13) .082 (2.08)	.072 (1.83) .069 (1.75)	.041 (1.04) .039 (0.99)	.177 (4.50) .171 (4.34)	.058 (1.47) .052 (1.32)	.033 (0.84) .025 (0.64)	50° 40°	.003 (0.08)	.790 (20.07) .770 (19.56)
539 (16-16)	.103 (2.62) .101 (2.57)	.068 (1.73) .066 (1.68)	.134 (3.40) .130 (3.30)	.113 (2.87) .110 (2.79)	.0635 (1.61) .0615 (1.56)	.241 (6.12) .226 (5.74)	.090 (2.29) .080 (2.03)	.042 (1.07) .036 (0.91)	35° 25°	.005 (0.13)	.937 (23.80)
540 (12-12)	.151 (3.84) .148 (3.76)	.102 (2.59) .098 (2.49)	.190 (4.83) .186 (4.72)	.151 (3.84) .148 (3.76)	.095 (2.41) .093 (2.36)	.241 (6.12) .226 (5.74)	.140 (3.56) .130 (3.30)	.042 (1.07) .036 (0.91)	35° 25°	.005 (0.13)	.937 (23.80)

TABLE 1 - CONTACT DIMENSIONS (CONTINUED)

BIN CODE	M MIN	N	P	S	T RAD	X	Z	AA DIA	NN	RR
597 (22-22)	N/A	.165 (4.19) .135 (3.43)	.237 (6.02) .231 (5.87)	.455 (11.56) .446 (11.33)	.002 (0.05)	.034 (0.86) .029 (0.74)	.161 (4.09) .132 (3.35)	N/A	.060 (1.52) .050 (1.27)	.010 (0.25) .004 (0.10)
598 (20-20)	N/A	.190 (4.83) .150 (3.81)	.165 (4.19) .155 (3.94)	.622 (15.80) .617 (15.67)	.002 (0.05)	.034 (0.86) .029 (0.74)	.069 (1.75) .054 (1.37)	N/A	.070 (1.78) .050 (1.27)	.010 (0.25) .004 (0.10)
539 (16-16)	.150 (3.81)	.290 (7.37) .250 (6.35)	.257 (6.53) .245 (6.22)	.691 (17.55) .681 (17.30)	.003 (0.08)	.048 (1.22) .044 (1.12)	.083 (2.11) .069 (1.75)	.111 (2.82) .107 (2.72)	.100 (2.54) .060 (1.52)	.020 (0.51) .010 (0.25)
540 (12-12)	.150 (3.81)	.290 (7.37) .250 (6.35)	.257 (6.53) .245 (6.22)	.691 (17.55) .681 (17.30)	.003 (0.08)	.048 (1.22) .044 (1.12)	.083 (2.11) .069 (1.75)	.158 (4.01) .155 (3.94)	N/A	N/A



AEROSPACE STANDARD

CONTACTS, ELECTRICAL CONNECTOR,
PIN, CRIMP REMOVABLE
(FOR MIL-DTL-83527, CONNECTOR)

AS39029™/93
SHEET 2 OF 4

REV.



Documents

Document Sharing Hub