

REV.
A

AS39029/4

FEDERAL SUPPLY CLASS
5999

RATIONALE

REVISE TO INCLUDE COMMENTS RECEIVED BY THE GOVERNMENT AND INDUSTRY SINCE 1988, INCORPORATES VARIOUS AMENDMENTS, REMOVE GOVERNMENT JARGON AS A RESULT OF THE WORD-FOR-WORD TRANSFERENCE OF AS39029 TO SAE, UPDATE SPECIFICATION REFERENCES, ALIGN SPECIFICATIONS WITH SAE GUIDELINES AS NEEDED, AND REVIEW SPECIFICATIONS FOR KNOWN TECHNICAL PROBLEMS.

NOTICE

THE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF: SAE AS39029.

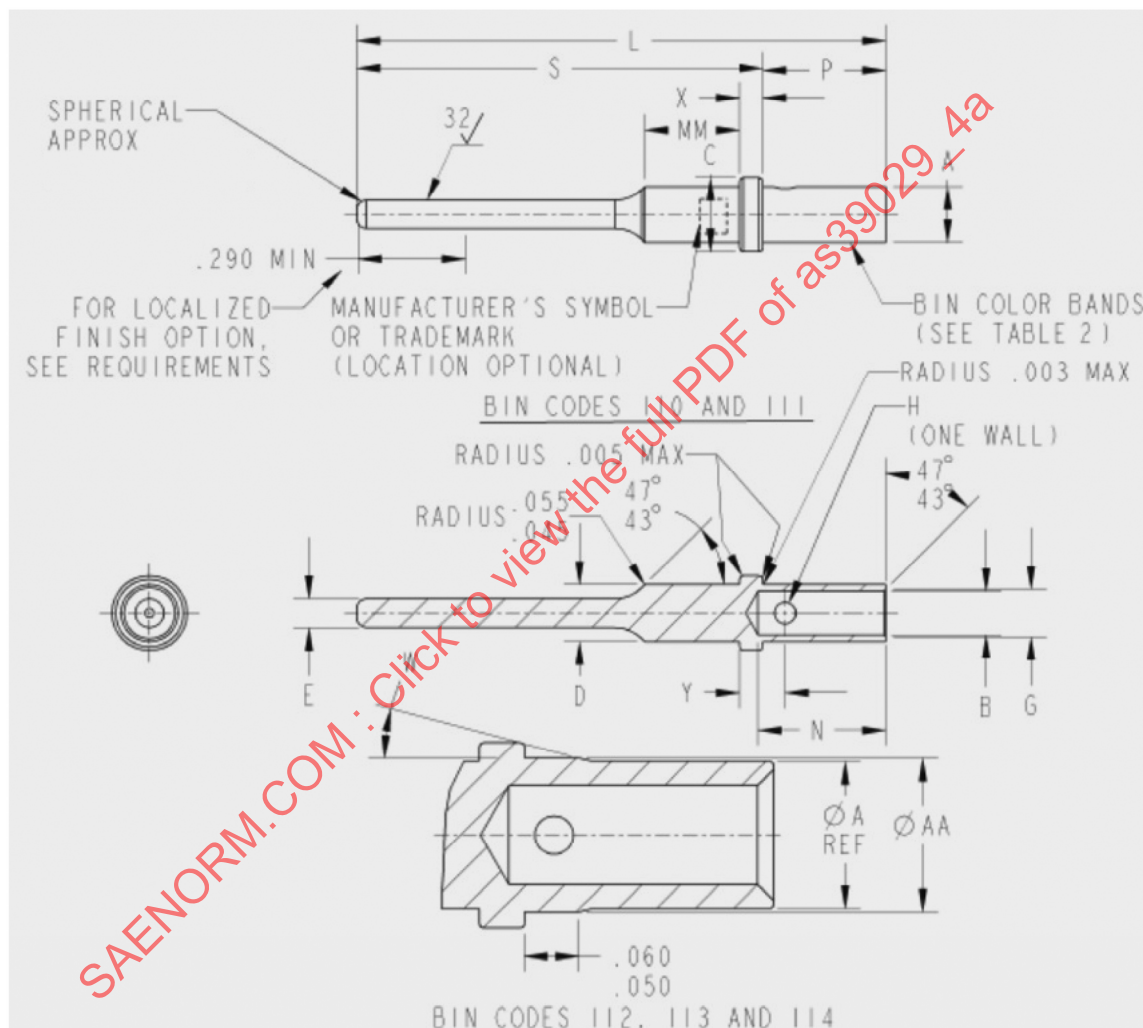
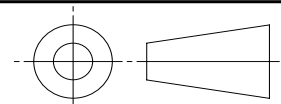


FIGURE 1 - AS39029/4 PIN CONTACT

THIRD ANGLE PROJECTION



CUSTODIAN: SAE AE-8/AE-8C1

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) CONTACTS, ELECTRICAL CONNECTOR, PIN, CRIMP REMOVABLE (FOR MIL-DTL-26482 SERIES 2, AS81703 SERIES 3, MIL-DTL-83723 SERIES I AND III, AND MIL-DTL-83733 CONNECTORS)

AS39029/4
SHEET 1 OF 4

REV.
A

Copyright 2007 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: 724-776-4970 (outside USA)
Email: CustomerService@sae.org

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

ISSUED 2001-03 REVISED 2007-08

TABLE 1 - CONTACT DIMENSIONS

BIN CODE	A DIA	B DIA	C DIA	D DIA	E DIA	G DIA	H DIA	L MAX (REF)	N	P	S	W°	X	Y	AA DIA	MM	WEIGHT (LB) (NORMAL)
110	0.078 (1.98)	0.050 (1.27)	0.103 (2.62)	0.078 (1.98)	0.041 (1.04)	0.066 (1.68)	0.032 (0.81)	0.720 (18.29)	0.187 (4.75)	0.171 (4.34)	0.549 (13.94)	---	0.033 (0.84)	0.068 (1.73)	---	0.130 (3.30)	0.0007
	0.076 (1.93)	0.048 (1.22)	0.100 (2.54)	0.076 (1.93)	0.039 (0.99)	0.056 (1.42)	0.026 (0.66)		0.155 (3.94)	0.160 (4.06)	0.543 (13.79)		0.029 (0.74)	0.053 (1.35)		0.125 (3.18)	
111	0.103 (2.62)	0.068 (1.73)	0.133 (3.38)	0.103 (2.62)	0.0635 (1.613)	0.092 (2.34)	0.042 (1.07)	0.821 (20.85)	0.284 (7.21)	0.257 (6.53)	0.564 (14.33)	---	0.048 (1.22)	0.085 (2.16)	---	0.130 (3.30)	0.0013
	0.101 (2.57)	0.066 (1.68)	0.130 (3.30)	0.101 (2.57)	0.0615 (1.562)	0.078 (1.98)	0.036 (0.91)		0.250 (6.35)	0.246 (6.25)	0.558 (14.17)		0.044 (1.12)	0.068 (1.73)		0.125 (3.18)	
112	0.078 (1.98)	0.050 (1.27)	0.133 (3.38)	0.103 (2.62)	0.0635 (1.613)	0.066 (1.68)	0.042 (1.07)	0.821 (20.85)	0.284 (7.21)	0.257 (6.53)	0.564 (14.33)	46	0.048 (1.22)	0.085 (2.16)	0.103 (2.62)	0.130 (3.30)	---
	0.076 (1.93)	0.048 (1.22)	0.130 (3.30)	0.101 (2.57)	0.0615 (1.562)	0.056 (1.42)	0.036 (0.91)		0.250 (6.35)	0.246 (6.25)	0.558 (14.17)	44	0.044 (1.12)	0.068 (1.73)	0.101 (2.57)	0.125 (3.18)	
113	0.151 (3.84)	0.102 (2.59)	0.190 (4.83)	0.151 (3.84)	0.095 (2.41)	0.136 (3.45)	0.042 (1.07)	0.821 (20.85)	0.284 (7.21)	0.257 (6.53)	0.564 (14.33)	16	0.048 (1.22)	0.085 (2.16)	0.158 (4.01)	0.120 (3.05)	0.0028
	0.148 (3.76)	0.098 (2.49)	0.187 (4.75)	0.148 (3.76)	0.093 (2.36)	0.116 (2.95)	0.036 (0.91)		0.250 (6.35)	0.246 (6.25)	0.558 (14.17)	14	0.044 (1.12)	0.068 (1.73)	0.155 (3.94)	0.115 (2.92)	
114	0.103 (2.62)	0.068 (1.73)	0.190 (4.83)	0.151 (3.84)	0.095 (2.41)	0.092 (2.34)	0.042 (1.07)	0.821 (20.85)	0.284 (7.21)	0.257 (6.53)	0.564 (14.33)	46	0.048 (1.22)	0.085 (2.16)	0.158 (4.01)	0.120 (3.05)	---
	0.101 (2.57)	0.066 (1.68)	0.187 (4.75)	0.148 (3.76)	0.093 (2.36)	0.078 (1.98)	0.036 (0.91)		0.250 (6.35)	0.246 (6.25)	0.558 (14.17)	44	0.044 (1.12)	0.068 (1.73)	0.155 (3.94)	0.115 (2.92)	

TABLE 2 - MARKING AND DESIGN CHARACTERISTICS

BIN CODE	COLOR BANDS			MATING END SIZE	WIRE BARREL SIZE	TYPE	CLASS
	1ST	2ND	3RD				
110	BROWN	BROWN	BLACK	20	20	A	B
111	BROWN	BROWN	BROWN	16	16		
112	BROWN	BROWN	RED	16	20		
113	BROWN	BROWN	ORANGE	12	12		
114	BROWN	BROWN	YELLOW	12	16		

TABLE 3 - TOOL REQUIREMENTS

BIN CODE	BASIC CRIMPING TOOL	POSITIONER	INSTALLING TOOL	REMOVAL TOOL	
				WIRED CONTACT	UNWIRED CONTACT
110	M22520/1-01 OR M22520/2-01 OR M22520/7-01	M22520/1-02 RED OR M22520/2-02 OR M22520/7-02	M81969/14-11	M81969/14-11	M81969/30-05
111	M22520/1-01 OR M22520/7-01	M22520/1-02 BLUE OR M22520/7-03	M81969/14-03	M81969/14-03	M81969/30-06
112	M22520/1-01 OR M22520/7-01	M22520/1-02 BLUE OR M22520/7-03	M81969/14-03 OR M81969/8-207	M81969/14-03 OR M81969/8-208	M81969/30-06
113	M22520/1-01	M22520/1-02 YELLOW	M81969/14-04	M81969/14-04	M81969/30-06
114	M22520/1-01	M22520/1-02 YELLOW	M81969/14-04 OR M81969/8-209	M81969/14-04 OR M81969/8-210	M81969/30-07

TABLE 4 - PART NUMBERS

AS39029 PART NUMBER	BIN CODE	SUPERSEDES PART NUMBER(S)
M39029/4-110	110	M39029/4-20-20 M39029/4-001 M83723/33B20
M39029/4-111	111	M39029/4-16-16 M39029/4-002 M83723/33B16
M39029/4-112	112	M39029/4-16-20 M39029/4-003
M39029/4-113	113	M39029/4-12-12 M39029/4-004 M83723/33B12
M39029/4-114	114	M39029/4-12-16 M39029/4-005