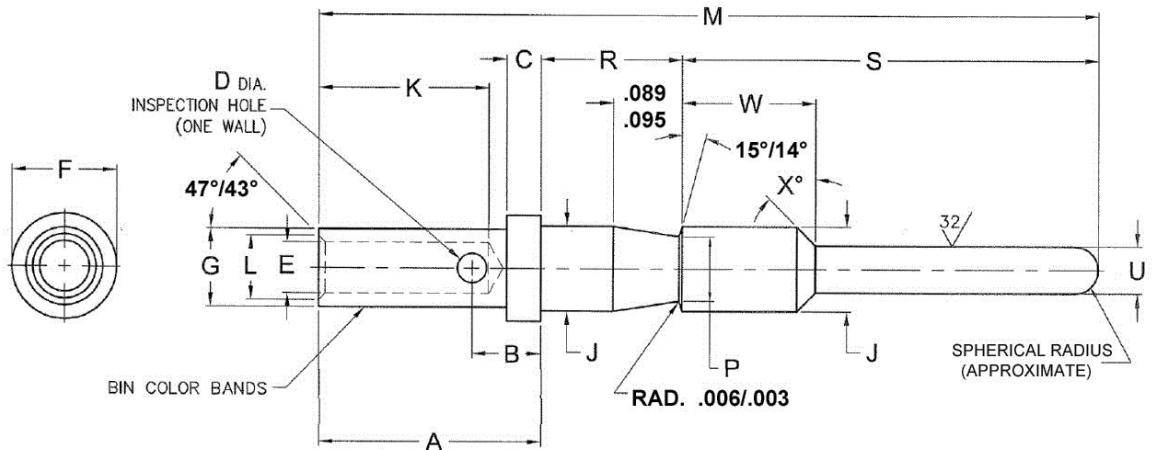


RATIONALE

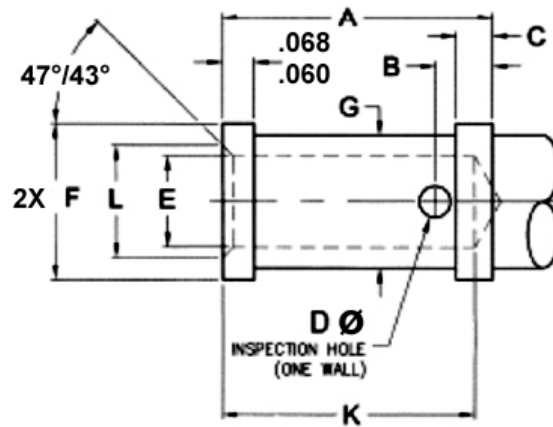
THIS AS39029 CONTACT DETAIL SHEET IS REQUIRED TO SUPPORT AS340X1 SERIES OF AS50151 AND AS95234 HIGH CURRENT APPLICATIONS NOT COVERED BY THE CURRENT AS39029 DETAIL SHEETS.

NOTICE

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



PIN INTERFACE DESIGN FOR ALL BIN CODES
WIRE BARREL DESIGN FOR BIN CODES 681 AND 682 (SIZE 16 AND 12)



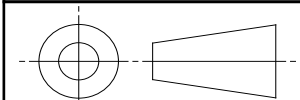
WIRE BARREL DESIGN
(BIN CODES 683, 684 AND 685 (SIZES 8, 4 AND 0))

FIGURE 1 - PIN CONTACT

For more information on this standard, visit

<https://www.sae.org/standards/content/AS39029/124>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS39029



AEROSPACE STANDARD

CONTACTS, ELECTRICAL CONNECTOR, PIN, CRIMP
REMOVABLE (FOR AS50151 SERIES AS340X1
CONNECTORS AND AS95234 CONNECTORS)

AS39029™/124
SHEET 1 OF 4

Documents

Copyright © 2020 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>

TABLE 1 - FIGURE 1 DIMENSIONS

BIN CODE	A	B	C	D DIA.	E DIA.	F DIA.	G DIA.	J DIA.
681	.298 (7.57)	.079 (2.01)	.048 (1.22) .044 (1.12)	.042 (1.07) .036 (0.91)	.068 (1.73) .066 (1.68)	.148 (3.76) .133 (3.38)	.105 (2.67) .101 (2.57)	.113 (2.87) .110 (2.79)
682	.294 (7.47)	.073 (1.85)			.102 (2.59) .098 (2.49)	.202 (5.13) .189 (4.80)	.153 (3.89) .147 (3.73)	.161 (4.09) .158 (4.01)
683	.520 (13.21)	.094 (2.39) .084 (2.13)		.066 (1.68) .060 (1.52)	.184 (4.67) .179 (4.55)	.313 (7.95) .309 (7.85)	.269 (6.83) .263 (6.68)	.252 (6.40) .249 (6.32)
684	.510 (12.95)				.286 (7.26) .279 (7.09)	.419 (10.64) .409 (10.39)	.380 (9.65) .370 (9.40)	.336 (8.53) .333 (8.46)
685	.675 (17.15)				.458 (11.63) .451 (11.46)	.611 (15.52) .601 (15.27)	.568 (14.43) .558 (14.17)	.518 (13.16) .515 (13.08)
	.665 (16.89)							

TABLE 1 - FIGURE 1 DIMENSIONS (CONTINUED)

BIN CODE	K	L	M REF.	P DIA.	R	S	U DIA.	W	X
681	.281 (7.14)	.090 (2.29) .080 (2.03)	1.172 (29.77)	.087 (2.21) .083 (2.11)	.189 (4.80) .185 (4.70)	.694 (17.63) .684 (17.37)	.0635 (1.61) .0615 (1.56)	.183 (4.65) .173 (4.39)	50° 40°
682		.125 (3.18) .115 (2.92)	1.360 (34.54)	.135 (3.43) .131 (3.33)		.882 (22.40) .872 (22.15)	.095 (2.41) .093 (2.36)		
683	.534 (13.56) .480 (12.19)	.230 (5.84) .220 (5.59)	1.579 (40.11)	.225 (5.72) .221 (5.61)			.143 (3.63) .141 (3.58)		
684		.364 (9.25) .354 (8.99)		.310 (7.87) .307 (7.80)	.253 (6.43) .249 (6.32)	.817 (20.75) .807 (20.50)	.226 (5.74) .224 (5.69)	.118 (3.00) .108 (2.74)	32° 28°
685	.690 (17.53) .636 (16.15)	.542 (13.77) .532 (13.51)	1.733 (44.02)	.492 (12.50) .489 (12.42)			.358 (9.09) .356 (9.04)		

TABLE 2 - MARKING AND DESIGN CHARACTERISTICS

BIN CODE	COLOR BANDS			MATING END SIZE	WIRE BARREL SIZE	TYPE	CLASS
	1 ST	2 ND	3 RD				
681	BLUE	GRAY	BROWN	16	16	A	B
682	BLUE	GRAY	RED	12	12		
683	BLUE	GRAY	ORANGE	8	8		
684	BLUE	GRAY	YELLOW	4	4		
685	BLUE	GRAY	GREEN	0	0		



AEROSPACE STANDARD

CONTACTS, ELECTRICAL CONNECTOR, PIN, CRIMP
REMOVABLE (FOR AS50151 SERIES AS340X1
CONNECTORS AND AS95234 CONNECTORS)

AS39029™/124

SHEET 1 OF 1



Documents

Document Sharing Hub