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SAE AS39029/9

RATIONALE

REVISION IS REQUIRED TO CORRECT DIMENSION "MM" RIGHT SIDE LEADER LINE POSITION IN FIGURE 1, IT IS CURRENTLY DEPICTED ON THE WRONG SIDE OF THE CONTACT SHOULDER.

NOTICE

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

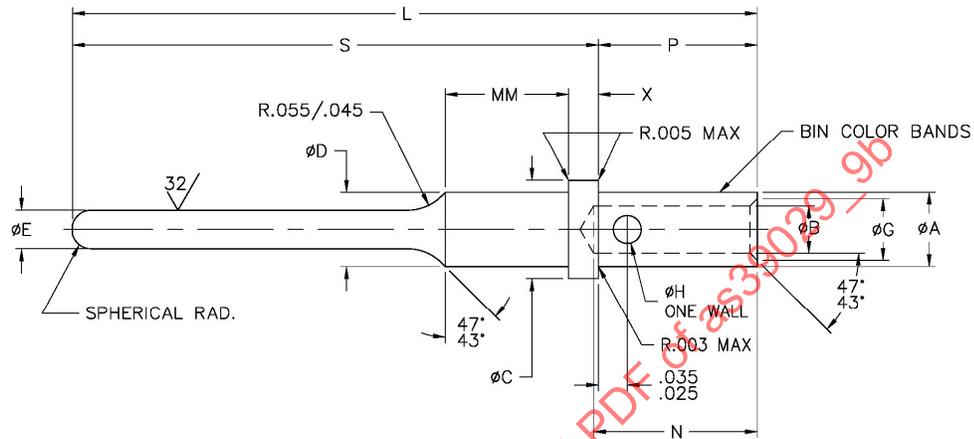
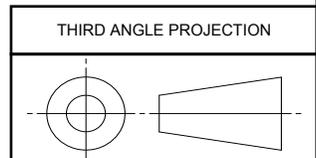


FIGURE 1- AS39029/9 PIN CONTACT (SIZE 16 AND 20)

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	X	MM
132 THROUGH 136	0.078 0.076	0.050 0.048	0.103 0.100	0.078 0.076	0.041 0.039	0.066 0.062	0.032 0.026	0.720	0.186 0.157	0.171 0.160	0.549 0.543	0.033 0.029	0.130 0.125
514 THROUGH 518	0.103 0.101	0.068 0.066	0.133 0.130	0.103 0.101	0.0635 0.0615	0.089 0.083	0.042 0.036	0.821	0.284 0.250	0.257 0.246	0.564 0.558	0.048 0.044	0.130 0.125

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CUSTODIAN: AE-8/AE-8C

PROCUREMENT SPECIFICATION: AS39029



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

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TABLE 2 - MARKING AND DESIGN CHARACTERISTICS

BIN CODES	COLOR BANDS			MATING END SIZE	WIRE BARREL SIZE	TYPE	CLASS
	1ST	2ND	3RD				
132	BROWN	ORANGE	RED	20	20	C-COPPER WITH GOLD FLASH	B
133	BROWN	ORANGE	ORANGE	20	20	C-COPPER-NICKEL ALLOY	B
134	BROWN	ORANGE	YELLOW	20	20	C-NICKEL-ALUMINUM/SILICON	B
135	BROWN	ORANGE	GREEN	20	20	C-NICKEL-CHROMIUM	B
136	BROWN	ORANGE	BLUE	20	20	C-IRON WITH CADMIUM PLATING	B
514	GREEN	BROWN	YELLOW	16	16	C-COPPER WITH GOLD FLASH	B
515	GREEN	BROWN	GREEN	16	16	C-COPPER-NICKEL ALLOY	B
516	GREEN	BROWN	BLUE	16	16	C-NICKEL-ALUMINUM/SILICON	B
517	GREEN	BROWN	VIOLET	16	16	C-NICKEL-CHROMIUM	B
518	GREEN	BROWN	GRAY	16	16	C-IRON WITH CADMIUM PLATING	B

TABLE 3 - TOOL REQUIREMENTS

BIN CODE	BASIC CRIMPING TOOL	POSITIONER	INSTALLING TOOL	REMOVAL TOOL	
				WIRED CONTACT	UNWIRED CONTACT
132, 133, 134, 135, & 136	M22520/1-01 OR M22520/2-01	M22520/1-02 RED OR M22520/2-02	M81969/14-11	M81969/14-11	M81969/30-05 RED
514, 515, 516, 517, & 518	M22520/1-01 OR M22520/7-01	M22520/1-02 BLUE OR M22520/7-03	M81969/14-03	M81969/14-03	M81969/30-06 BLUE

TABLE 4 - PART NUMBERS

AS39029 PART NUMBER	BIN CODE	SUPERSEDES PART NUMBER(S)
M39029/9-132	132	M39029/9-20-20 C1
M39029/9-133	133	M39029/9-20-20 C2
M39029/9-134	134	M39029/9-20-20 C3
M39029/9-135	135	M39029/9-20-20 C4
M39029/9-136	136	M39029/9-20-20 C5
M39029/9-514	514	5000-070-516 <u>1/</u>
M39029/9-515	515	5000-070-416 <u>1/</u>
M39029/9-516	516	5000-070-116 <u>1/</u>
M39029/9-517	517	5500-070-216 <u>1/</u>
M39029/9-518	518	5000-070-316 <u>1/</u>

REQUIREMENTS: ALL REQUIREMENTS SHALL BE HEREIN AND AS39029.

1. DESIGN:

CONTACT SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE 1, TABLES 1 AND 2. DIMENSIONS ARE IN INCHES AND SHOWN AFTER PLATING. ALL DIMENSIONS PROVIDED IN PARENTHESES ARE METRIC EQUIVALENTS AND ARE GIVEN FOR GENERAL INFORMATION ONLY (SEE AS39029 SECTION 6). SPHERICAL END DIMENSIONS SHALL CONFORM TO AS39029.

2. TOOLS:

TOOLS REQUIRED FOR CRIMPING CONTACTS TO WIRE/CABLE AND THE INSTALLING/REMOVAL FROM THE CONNECTOR SHALL BE IN ACCORDANCE WITH TABLE 3.

 An SAE International Group	AEROSPACE STANDARD CONTACTS, ELECTRICAL CONNECTOR, PIN, CRIMP REMOVABLE, THERMOCOUPLE, (FOR MIL-DTL-26482 SERIES 2, AS81703 SERIES 3, MIL-DTL-83723 SERIES 1 AND III, AND MIL-DTL-83733 CONNECTORS)	SAE AS39029/9 SHEET 2 OF 3	REV. B