

REV.
E

AS39029™/63

FEDERAL SUPPLY CLASS
5999

RATIONALE

REVISION IS REQUIRED TO CORRECT THE BIN CODE 928 COLORS FROM "BLUE-GREEN-BLUE" TO "WHITE-RED-GRAY". THIS CHANGE WAS OVERLOOKED DURING THE BIN CODE NUMBER CHANGE.

NOTICE

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

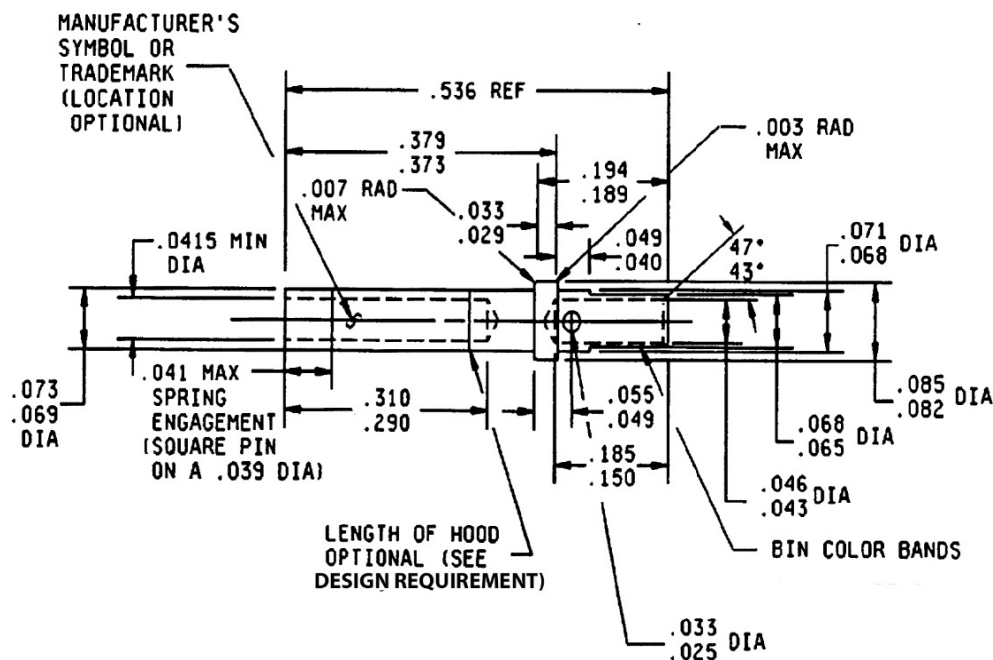


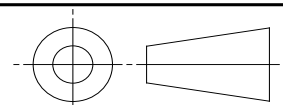
FIGURE 1 - DIMENSIONS AND CONFIGURATION

INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.003	0.08	.0415	1.054	.071	1.80	.290	7.37
.007	0.18	.043	1.09	.073	1.85	.310	7.87
.025	0.64	.046	1.17	.082	2.08	.373	9.47
.029	0.74	.049	1.24	.085	2.16	.379	9.63
.033	0.84	.055	1.40	.150	3.81	.536	13.61
.039	0.99	.065	1.65	.185	4.70		
.040	1.02	.068	1.73	.189	4.80		
.041	1.04	.069	1.75	.194	4.93		

For more information on this standard, visit

<https://www.sae.org/standards/content/AS39029/63E>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS39029



AEROSPACE STANDARD

CONTACTS, ELECTRICAL CONNECTOR,
SOCKET, CRIMP REMOVABLE
(FOR MIL-DTL-24308 CONNECTORS)

AS39029™/63
SHEET 1 OF 4

REV.
E

Documents

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TABLE 1 - DESIGN CHARACTERISTICS

BIN CODE	COLOR BANDS			MATING END SIZE	WIRE BARREL SIZE	TYPE	CLASS
	1 ST	2 ND	3 RD				
368	ORANGE	BLUE	GRAY	20	20	A	A
928 1/	WHITE	RED	GRAY	20	20	A	A

1/ CONTACT IS INTENDED FOR USE WITH MIL-DTL-24308 CLASS M AND N NON-MAGNETIC CONNECTORS ONLY. THE FINISH SHALL BE GOLD PLATING IN ACCORDANCE WITH ASTM B488, TYPE II, CODE C, CLASS 1.27 OVER A SUITABLE UNDERPLATE. SILVER AND/OR NICKEL SHALL NOT BE USED AS AN UNDERPLATE.

TABLE 2 - TOOLS

BIN CODE	BASIC CRIMPING	POSITIONER	INSTALLING AND REMOVAL TOOLS
368, 928	M22520/2-01	M22520/2-08	M81969/39-01 OR M81969/1-02

TABLE 3 - PART NUMBER

BIN CODE	PART NUMBER	SUPERSEDED PART NUMBER
368	M39029/63-368	M24308/10-1
928	M39029/63-928	-----

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS39029.

1. DESIGN:

CONTACTS SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE 1 AND TABLE 1. DIMENSIONS ARE IN INCHES. METRIC EQUIVALENTS ARE GIVEN FOR GENERAL INFORMATION ONLY. DIMENSIONS SHOWN APPLY AFTER PLATING. MACHINED SURFACES TO HAVE 63 (RA) OR BETTER PER ASME B46.1 UNLESS OTHERWISE SPECIFIED. REMOVE ALL BURRS AND SHARP EDGES .003 INCH (0.08 MM) MAXIMUM UNLESS OTHERWISE SPECIFIED. ALL DIAMETERS TO BE CONCENTRIC WITH EACH OTHER WITHIN .004 INCH (0.10 MM) TIR. THE MECHANICAL PRESSURE MEMBER SHALL BE SHROUDED. HOODS, IF USED, SHALL CONFORM TO THE REQUIREMENTS SPECIFIED HEREIN. MAXIMUM ALLOWABLE GAP BETWEEN HOOD AND BODY OF CONTACT IS .010 INCH (0.254 MM). AN ALTERNATE DESIGN OF THE WIRE BARREL LEAD-IN ANGLE SHALL BE AS FOLLOWS: SIZE 20 - BLEND RADIUS .015 INCHES ± .005 INCHES.

2. TOOLS:

TOOLS REQUIRED FOR CRIMPING CONTACTS TO THE WIRE/CABLE AND THE INSTALLING/REMOVAL FROM THE CONNECTOR SHALL BE IN ACCORDANCE WITH TABLE 2.

3. PART NUMBERS:

CONTACT PART NUMBERS SHALL BE IN ACCORDANCE WITH TABLE 3. SUPERSEDED PART NUMBERS ARE AS SPECIFIED.

4. MATERIALS:

MATERIALS SHALL BE IN ACCORDANCE WITH AS39029.

OUTGASSING REQUIREMENT:

PART NUMBER M39029/63-928 SHALL MEET THE OUTGASSING REQUIREMENTS OF ASTM E595. THE REQUIREMENT MAY BE VERIFIED BY CERTIFICATION. CONTACT THE QUALIFYING ACTIVITY FOR DETAILS CONCERNING THE CERTIFICATION PROCESS.

	AEROSPACE STANDARD	AS39029™/63 SHEET 2 OF 4 	REV.
	CONTACTS, ELECTRICAL CONNECTOR, SOCKET, CRIMP REMOVABLE (FOR MIL-DTL-24308 CONNECTORS)		



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