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REV.
D

AS39029™/64

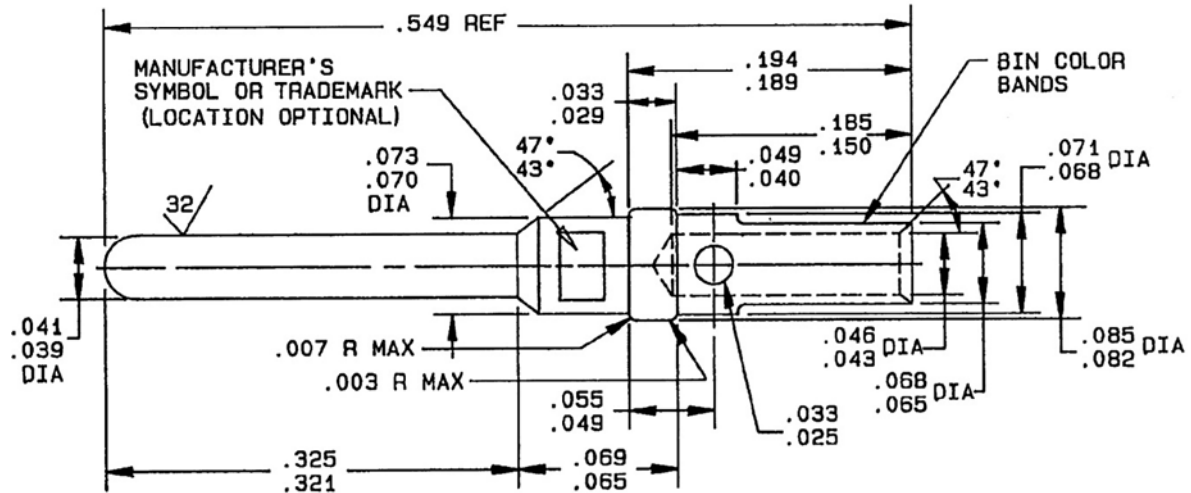
FEDERAL SUPPLY CLASS
5935

RATIONALE

REVISION REQUIRED TO ADD M22520/7 TOOLS 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.

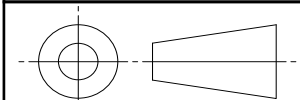


INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.003	0.08	.043	1.09	.071	1.80	.321	8.15
.007	0.18	.046	1.17	.073	1.85	.325	8.26
.025	0.64	.049	1.24	.082	2.08	.549	13.94
.029	0.74	.055	1.40	.085	2.16		
.033	0.84	.065	1.65	.150	3.81		
.039	0.99	.068	1.73	.185	4.70		
.040	1.02	.069	1.75	.189	4.80		
.041	1.04	.070	1.78	.194	4.93		

FIGURE 1 - DIMENSIONS AND CONFIGURATION

For more information on this standard, visit
<https://www.sae.org/standards/content/AS39029/64D/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS39029



AEROSPACE STANDARD

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

AS39029™/64
SHEET 1 OF 4

REV.
D

Documents

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TABLE 1 - DESIGN CHARACTERISTICS

BIN CODE	COLOR BANDS			MATING END SIZE	WIRE BARREL SIZE	TYPE	CLASS
	1ST	2ND	3RD				
369	ORANGE	BLUE	WHITE	20	20	A	A
968 1/	WHITE	BLUE	GRAY	20	20	A	A

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

TABLE 2 - TOOLS

BIN CODE	BASIC CRIMPING	POSITIONER	INSTALLING AND REMOVAL TOOLS
369	M22520/2-01 M22520/7-01	M22520/2-08 M22520/7-14	M81969/39-01 M81969/1-02
968	M22520/2-01	M22520/2-08	

TABLE 3 - PART NUMBER

BIN CODE	AS39029 PART NUMBER	SUPERSEDED PART NUMBER
369	M39029/64-369	M24308/10-1
968	M39029/64-968	--

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 (0.08 MM) MAXIMUM, UNLESS OTHERWISE SPECIFIED. ALL DIAMETERS TO BE CONCENTRIC WITH EACH OTHER WITHIN .004 (0.10 MM) TIR.

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 M39029/64-968 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.

RESIDUAL MAGNETISM REQUIREMENT:

PART NUMBER M39029/64-968 SHALL ALSO MEET THE RESIDUAL MAGNETISM. WHEN TESTED WITH THE APPLICABLE MIL-DTL-24308 CONNECTOR, THE RESIDUAL MAGNETISM SHALL NOT EXCEED 200 GAMMA. THE FOLLOWING DETAILS SHALL APPLY:

	AEROSPACE STANDARD	AS39029™/64 SHEET 2 OF 4 	REV.
	CONTACTS, ELECTRICAL CONNECTOR, PIN, CRIMP REMOVABLE (FOR MIL-DTL-24308 CONNECTORS)		



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