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AS39029™/67

FEDERAL SUPPLY CLASS
5999

RATIONALE

THIS DOCUMENT IS BEING PREPARED TO ESTABLISH REQUIREMENTS FOR SIZE 8 ELECTRICAL CONNECTOR CONTACTS USED BY MIL-DTL-24308/41 AND /42 ELECTRICAL CONNECTORS.

NOTICE

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

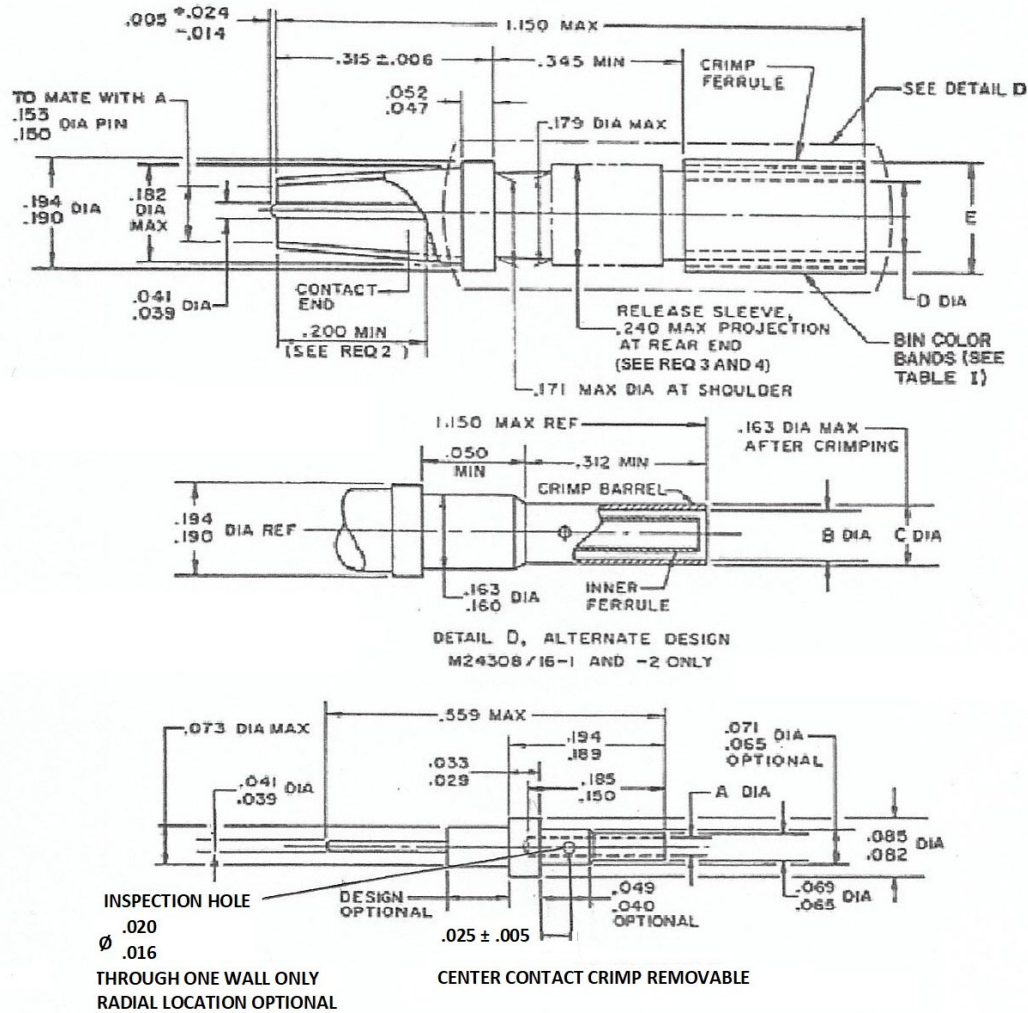
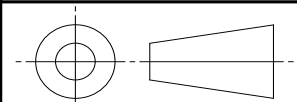


FIGURE 1 - CONNECTOR CONTACT CONFIGURATION/DIMENSIONS

For more information on this standard, visit
<https://www.sae.org/standards/content/AS39029/67>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS39029



AEROSPACE STANDARD

CONTACTS, ELECTRICAL CONNECTOR,
SOCKET, CRIMP REMOVABLE, SHIELDED,
SIZE 8 (FOR MIL-DTL-24308 CONNECTORS)

AS39029™/67
SHEET 1 OF 3

Documents

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FIGURE 2 - OPTIONAL CONTACT CONFIGURATION

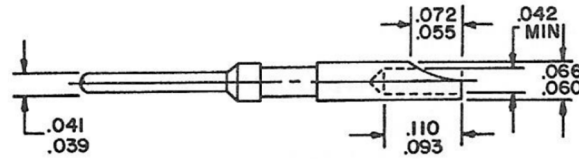


TABLE 1 - FIGURE 1 AND FIGURE 2 METRIC EQUIVALENTS

INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS
.005	0.13	.042	1.07	.069	1.75	.153	3.89	.200	5.08
.006	0.15	.047	1.19	.071	1.80	.160	4.06	.240	6.10
.014	0.36	.049	1.24	.072	1.83	.163	4.14	.312	7.92
.024	0.61	.050	1.27	.073	1.85	.171	4.34	.315	8.00
.029	0.74	.052	1.32	.082	2.08	.179	4.55	.345	8.76
.033	0.84	.055	1.40	.085	2.16	.185	4.70	.559	14.20
.039	0.99	.060	1.52	.093	2.36	.189	4.80	1.150	29.21
.040	1.02	.065	1.65	.110	2.79	.190	4.83		
.041	1.04	.066	1.68	.150	3.81	.194	4.93		

TABLE 2 - FIGURE 1 DIMENSIONS/DETAILS

BIN CODE	A	D MIN	E MAX	CRIMP FERRULE	ALTERNATE DESIGN DETAIL D		
					CRIMP BARREL		INNER FERRULE
					B	C	
374	.026 (0.66) .024 (0.61)	.037 (0.94)	.073 (1.85)	MS21980-101	.106 (2.69) .096 (2.44)	.129 (3.28) .119 (3.02)	MS21981-046
375	.026 (0.66) .024 (0.61)	.064 (1.63)	.107 (2.72)	MS21980-128	.131 (3.33) .121 (3.07)	.159 (4.04) .149 (3.78)	MS21981-080
376	.026 (0.66) .024 (0.61)	.106 (2.69)	.150 (3.81)	MS21980-175	N/A	N/A	N/A
377	.046 (1.17) .043 (1.09)	.122 (3.10)	.150 (3.81)	MS21980-175	N/A	N/A	N/A
378	.046 (1.17) .043 (1.09)	.122 (3.10)	.150 (3.81)	MS21980-205	N/A	N/A	N/A

TABLE 3 - DESIGN CHARACTERISTICS

BIN CODE	COLOR BANDS			CONTACT CAVITY SIZE	CABLES ACCOMMODATED 1/	TYPE	CLASS
	1ST	2ND	3RD				
374	ORANGE	VIOLET	YELLOW	8	RG-178B/U	D	A
375	ORANGE	VIOLET	GREEN	8	RG-174/U RG-316/U	D	A
376	ORANGE	VIOLET	BLUE	8	RG-180B/U	D	A
377	ORANGE	VIOLET	VIOLET	8	RG-58C/U RG-303/U	D	A
378	ORANGE	VIOLET	GRAY	8	RG-1428/U RG-223/U	D	A

1/ CONFORMING TO MIL-DTL-17.