

RATIONALE

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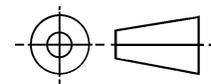
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THIRD ANGLE PROJECTION



ISSUED 2000-07 REAFFIRMED 2007-06

AS39029/33

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PREPARED BY SAE SUBCOMMITTEE AE-8C1



AEROSPACE STANDARD

CONTACTS, ELECTRICAL CONNECTOR,
PIN, CRIMP REMOVABLE
(FOR MIL-C-81511 SERIES 1 AND 2 CONNECTORS)

AS39029/33
SHEET 1 OF 5

THE COMPLETE REQUIREMENTS FOR ACQUIRING THE CONTACTS DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF MIL-C-39029.

AMENDMENT 1 FORMS A PART OF MIL-C-39029/33C, DATED 18 NOVEMBER 1985, AND IS APPROVED FOR USE BY ALL DEPARTMENTS AND AGENCIES OF THE DEPARTMENT OF DEFENSE.

AS39029/33

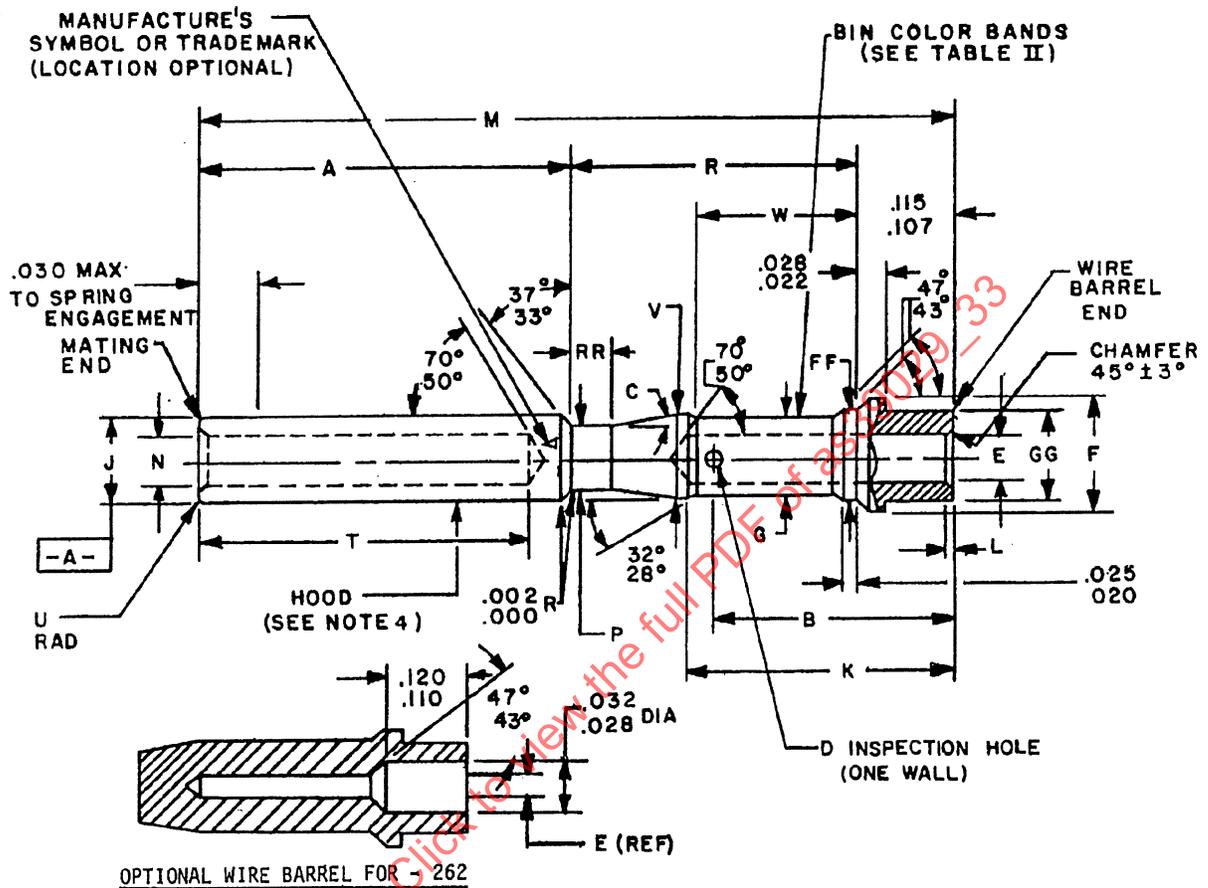


FIGURE 1. CONNECTOR CONTACT.

AS39029/33

Dimensions.

BIN code	A	B	C (DEG)	D DIA	E DIA	F DIA	FF DIA	G DIA	GG DIA	J DIA	K					
262		.201	8	.022	.020 .018	.064 (1.63)	N/A	.0545	.050	.051	.235					
264		.190	7	.018	.037 .035	.062 (1.57)		.052	.048	.049	.215					
266		.252	11	.032	.050	.103 (2.62)		.113	.078	.078	.078	.276				
		.241			.048	.100 (2.54)			.075	.076	.076	.256				
268		.257			10	.026			.068	.133 (3.38)	.110	.105	.103	.113	.286	
									.066	.130 (3.30)		.101	.101	.110	.266	
270	.246								.102	.190 (4.83)		.161	.152	.158	.161	.296
									.098	.187 (4.75)			.148	.155	.158	.276

BIN code	L	M (REF)	N MIN DIA ONLY	P DIA	R	RR	T	U RAD	V DIA	W	APPROX. WEIGHT (LBS)										
262		1.043 (26.49)	.028	.039	.254	.030 Min.	.220	.006	N/A		.00055										
264				.036	.249		.170	.004	.00049												
266		.006		.0415	.065		.062	.320	.009		.0805	.120	.114	.00107							
		.003													.064	.099	.259	.270	.012	N/A	N/A
268		1.048 (26.62)														.096	.254	.009	.009		
															270					.010	.0955
.005		.142	.250			.013															

FIGURE 1. CONNECTOR CONTACT - CONTINUED.

REQUIREMENTS:

Dimensions, design characteristics, and configuration: See figure 1 and table I.

Tools: See table II.

Vibration: Method 2005 of MIL-STD-1344, test condition IV. Exceptions specified in MIL-C-81511 shall also apply.

Shock (specified pulse): Method 2004 of MIL-STD-1344, test condition A. Exceptions specified in MIL-C-81511 shall also apply.

Mating contact: MIL-C-39029/47 and MIL-C-39029/18.

NOTE: For MIL-C-81511 connectors, series 1 is intermateable with series 3 and series 2 is intermateable with series 4. The respective contacts for these connectors are required to be intermateable but are not interchangeable.

QPL evaluating activity: Naval Avionics Center, Code B-714, Indianapolis, Indiana 45218.

Military part number: See table III.

TABLE I. DESIGN CHARACTERISTICS.

BIN code	Color bands			Mating end size	Wire barrel size	Type	Class
	1st	2nd	3rd				
252	Red	Blue	Red	23	28	A	B
264	Red	Blue	Yellow	23	22	A	B
256	Red	Blue	Blue	20	20	A	B
253	Red	Blue	Gray	16	15	A	B
270	Red	Violet	Black	12	12	A	B

TABLE II. TOOLS.

BIN code	Basic crimping tool	Positioner	Installing tool	Removal tool
262	M22520/2-01	M22520/2-03	M81959/2-01	M81969/3-01
254	M22520/2-01	M22520/2-03	M81959/2-01	M81969/3-01
256	M22520/1-01 M22520/7-01	M22520/1-08 Red M22520/7-09	M81959/2-02	M81969/3-02
258	M22520/1-01 M22520/7-01	M22520/1-08 Blue M22520/7-10	M81959/2-03	M81969/3-03
270	M22520/1-01	M22520/1-08 Yellow	M81959/2-04	M81969/3-04