

REV.
B

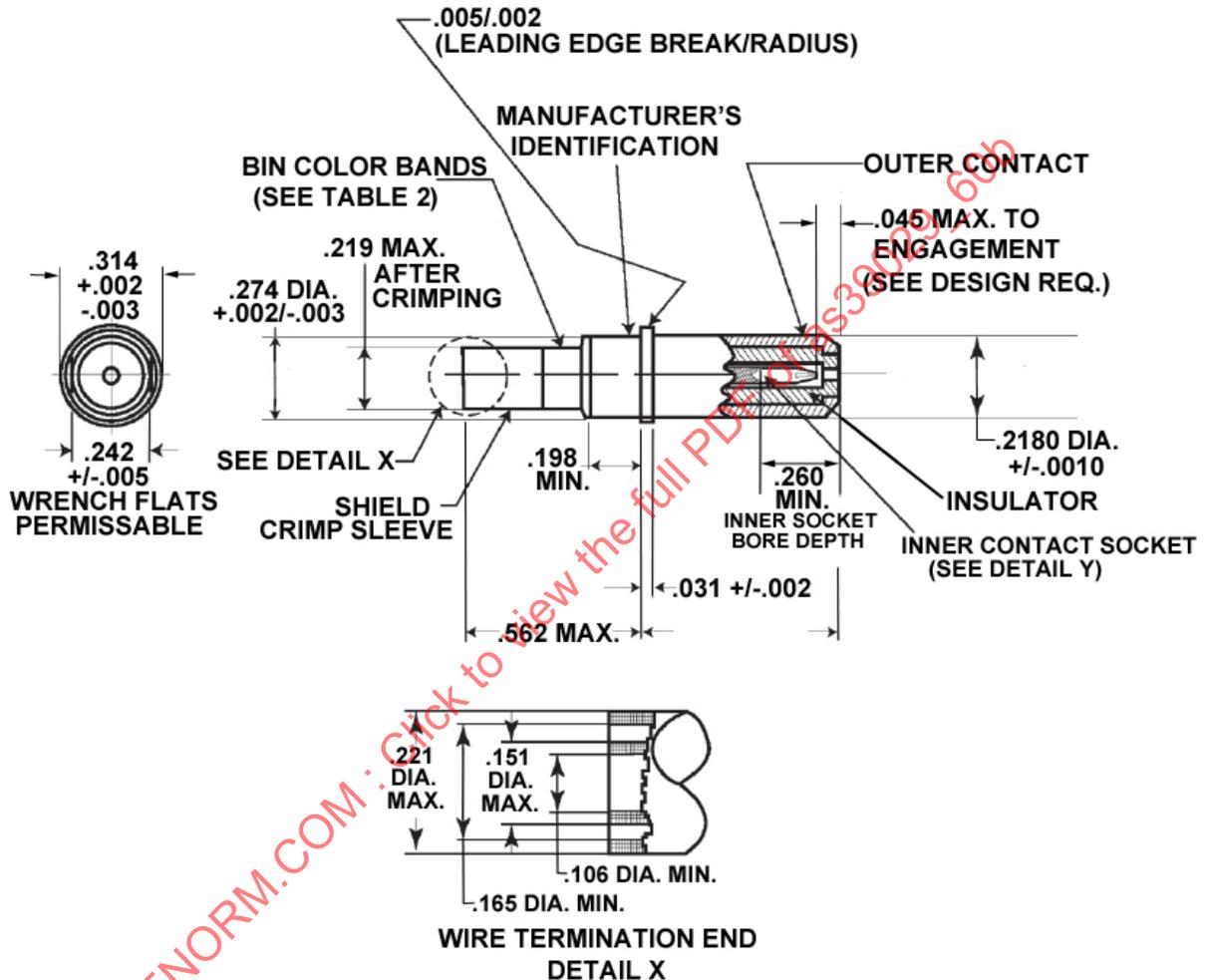
AS39029™/60

RATIONALE

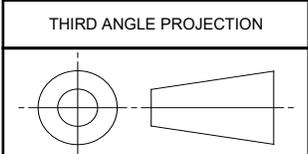
REVISION IS REQUIRED TO RE-WORK FIGURE 1 TO IMPROVE LEGIBILITY OF THE DIMENSIONS, TO MOVE THE NOTE CLUTTER TO THE DESIGN PARAGRAPH AND TO CORRECT THE BIN COLOR BAND TABLE REFERENCE, TO CLARIFY THE WORDING FOR THE MILITARY USAGE RESTRICTIONS, TO ADD METRIC EQUIVALENTS AND TO UPDATE DOCUMENT FORMAT TO THE LATEST SAE GUIDELINES.

NOTICE

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



For more information on this standard, visit
<https://www.sae.org/standards/content/AS39029/60B>



CUSTODIAN: AE-8/AE-8C1

PROCUREMENT SPECIFICATION: AS39029



AEROSPACE STANDARD

(R) CONTACTS, ELECTRICAL CONNECTOR, PIN,
CRIMP REMOVABLE, SHIELDED, SIZE 8
(FOR MIL-DTL-38999 SERIES I, III, AND IV CONNECTORS)

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SHEET 1 OF 6

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ISSUED 2000-07 REVISED 2016-11 REAFFIRMED 2021-07

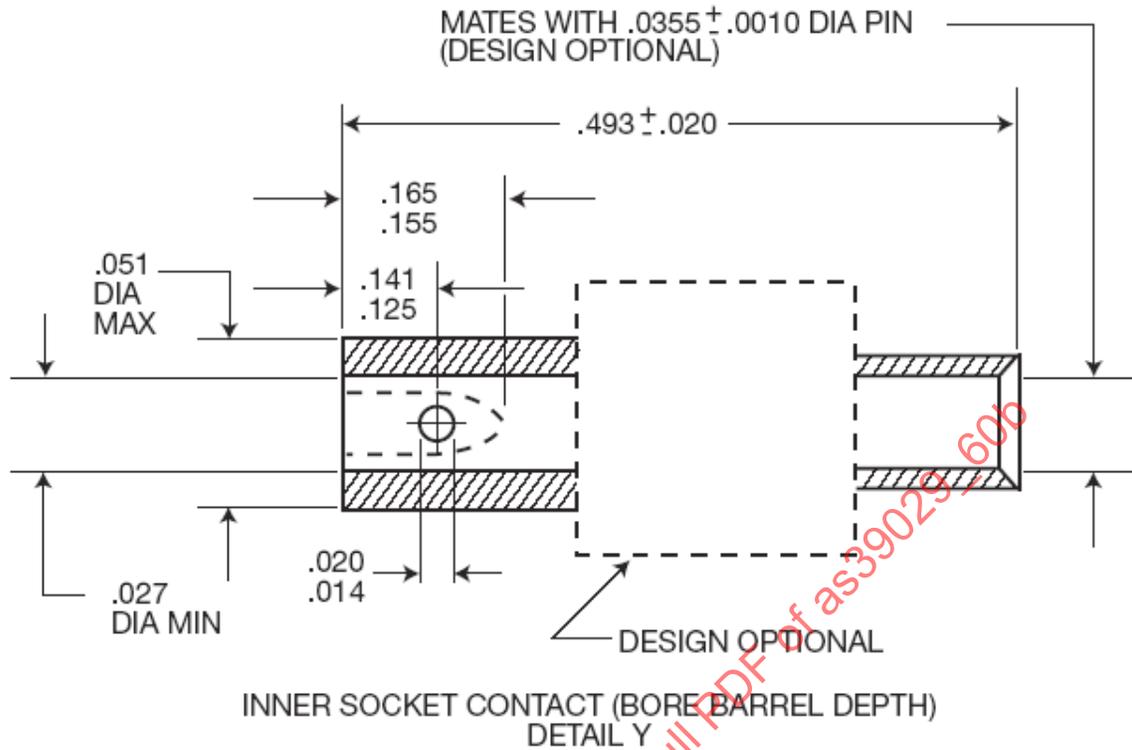


FIGURE 1 - CONNECTOR CONTACT (CONTINUED)

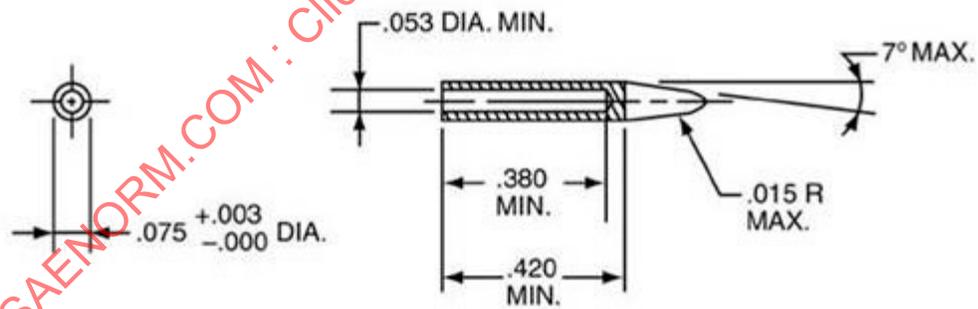


FIGURE 2 - INSULATOR EXPANDER TOOL

	AEROSPACE STANDARD	AS39029™/60 SHEET 2 OF 6	REV. B
	(R) CONTACTS, ELECTRICAL CONNECTOR, PIN, CRIMP REMOVABLE, SHIELDED, SIZE 8 (FOR MIL-DTL-38999 SERIES I, III, AND IV CONNECTORS)		

TABLE 1 – FIGURE 1 AND 2 METRIC EQUIVALENTS

INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS	INCHES	MILLIMETERS
.001	0.03	.0355	0.90	.165	4.19	.380	9.65
.002	0.05	.051	1.30	.198	5.03	.420	10.67
.003	0.08	.053	1.35	.2180	5.54	.493	12.52
.005	0.13	.075	1.91	.219	5.56	.562	14.27
.014	0.36	.106	2.69	.221	5.61		
.015	0.38	.125	3.18	.242	6.15		
.020	0.51	.141	3.58	.260	6.60		
.027	0.69	.151	3.84	.274	6.96		
.031	0.79	.155	3.94	.314	7.98		

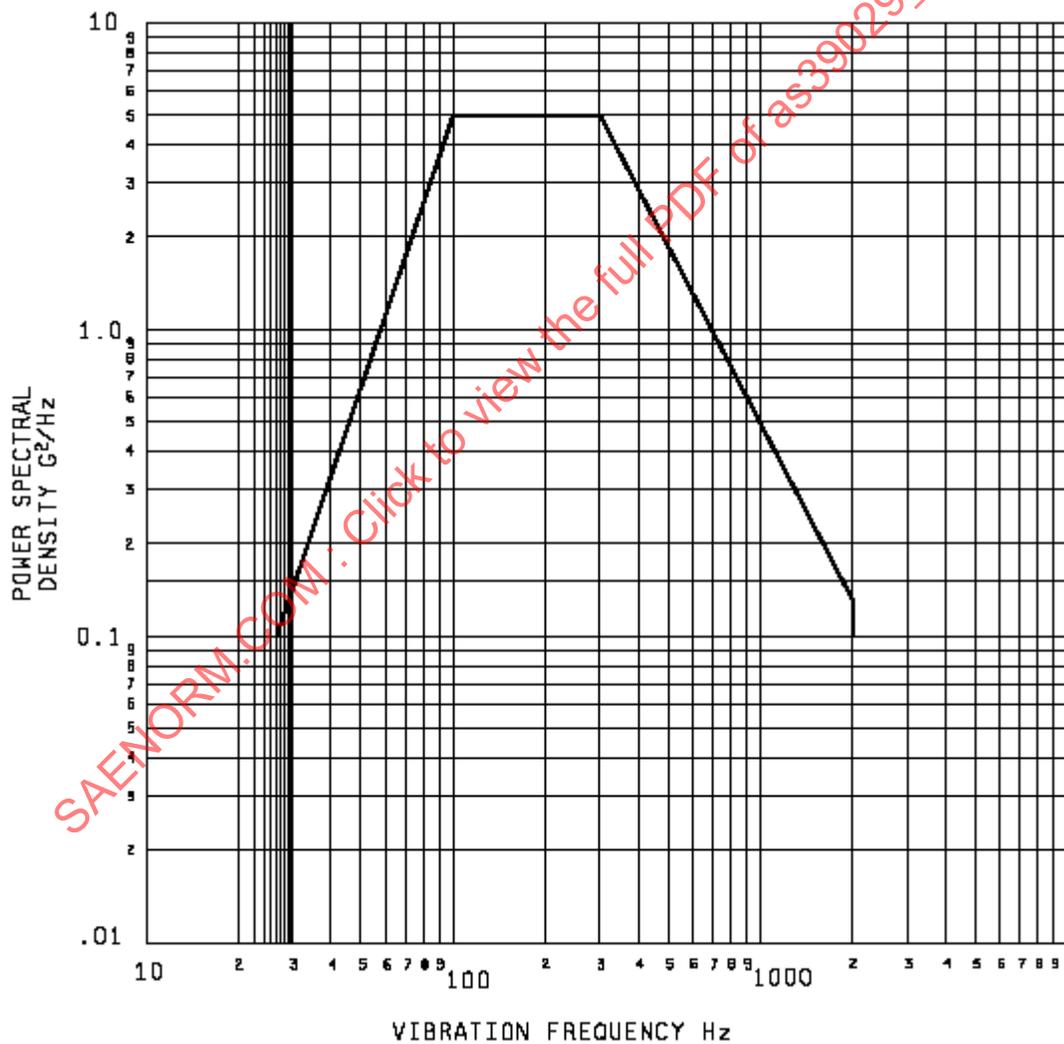


FIGURE 3 - VIBRATION ENVELOPE

TABLE 2 - DESIGN CHARACTERISTICS

BIN CODE	COLOR BANDS			CONTACT CAVITY SIZE	CABLES ACCOMMODATED	TYPE	CLASS
	1ST	2ND	3RD				
367	ORANGE	BLUE	VIOLET	8	M17/095-RG180	D	B

TABLE 3 - TOOLS

BIN CODE	INSTALLING TOOL	REMOVAL TOOL	INSULATOR EXPANDER TOOL (CRIMP ONLY) ^{1/}
367	M81969/8-13	M81969/14-12 M81969/8-14	SEE MANUFACTURER'S ASSEMBLY INSTRUCTIONS

^{1/} INSULATOR EXPANDER TOOL KIT MUST BE USED TO ASSEMBLE REAR INSULATOR OVER CONTACT WHEN THE INNER CONTACT IS INSTALLED BY CRIMPING MEANS ALONE.

TABLE 4 - TOOLS (INNER CONTACT AND SHIELD CRIMP SLEEVE TOOLS)

BIN CODE	INNER CONTACT TOOLING ^{1/}		SHIELD CRIMP SLEEVE TOOLING	
	BASIC CRIMPING TOOL	CONTACT POSITIONER	BASIC CRIMPING TOOL	DIE PART OR IDENTIFYING NO.
367	M22520/2-01	M22520/2-31	M22520/5-01 M22520/10-01	M22520/5-05 DIE CLOSURE B M22520/10-07 DIE CLOSURE B

^{1/} MAY BE SOLDERED IN ACCORDANCE WITH MANUFACTURER'S ASSEMBLY INSTRUCTIONS.

TABLE 5 - LOW SIGNAL LEVEL CONTACT RESISTANCE (INNER CONTACT ONLY)

BIN CODE	CABLE ACCOMMODATED	MAXIMUM CONTACT RESISTANCE (MILLIOHMS)	
		INITIAL	AFTER CONDITIONING
367	M17/095-RG180	120	144

TABLE 6 - CONTACT RESISTANCE

BIN CODE	CONTACT	CABLE ACCOMMODATED	TEST CURRENT (AMPERES)	MAXIMUM VOLTAGE DROP (MILLIVOLTS)		
				25 °C + 3 °C, -0 °C		200 °C + 3 °C, -0 °C
				MAX	AFTER CONDITIONING MAX	
367	INNER OUTER	M17/095-RG180	1	120	144	204
			12	60	72	102