

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

REV. A

SAE AS39029/8

RATIONALE

FEDERAL SUPPLY CLASS
5935

THIS DOCUMENT HAS BEEN DETERMINED TO CONTAIN BASIC AND STABLE TECHNOLOGY WHICH IS NOT DYNAMIC IN NATURE.

DESIGN AUTHORITIES MAY DETERMINE THAT THIS DOCUMENT IS NO LONGER TO BE USED FOR NEW DESIGN.
THIS DETERMINATION SHOULD BE MADE BY EACH DESIGN AUTHORITY.

STABILIZED NOTICE

THIS DOCUMENT HAS BEEN DECLARED "STABILIZED" BY THE AE-8C1 COMMITTEE AND WILL NO LONGER BE
SUBJECTED TO PERIODIC REVIEWS FOR CURRENCY. USERS ARE RESPONSIBLE FOR VERIFYING REFERENCES
AND CONTINUED SUITABILITY OF TECHNICAL REQUIREMENTS. NEWER TECHNOLOGY MAY EXIST.

SAENORM.COM : Click to view the full PDF of as39029_8a

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS39029/8A>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

CONTACTS, ELECTRICAL CONNECTOR, SOCKET,
CRIMP REMOVABLE, SHIELDED (FOR MIL-C-26482
SERIES 2 AND MIL-C-81703 SERIES 3 CONNECTORS)

SAE AS39029/8
SHEET 1 OF 5

REV.
A

SSUED 2001-03	STABILIZED 2011-03
---------------	--------------------

NOTICE

THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MIL-C-39029/8B AND CONTAINS ONLY MINOR EDITORIAL AND FORMAT CHANGES REQUIRED TO BRING IT INTO CONFORMANCE WITH THE PUBLISHING REQUIREMENTS OF SAE TECHNICAL STANDARDS. THE INITIAL RELEASE OF THIS DOCUMENT IS INTENDED TO REPLACE MIL-C-39029/8B. ANY PART NUMBERS ESTABLISHED BY THE ORIGINAL SPECIFICATION REMAIN UNCHANGED.

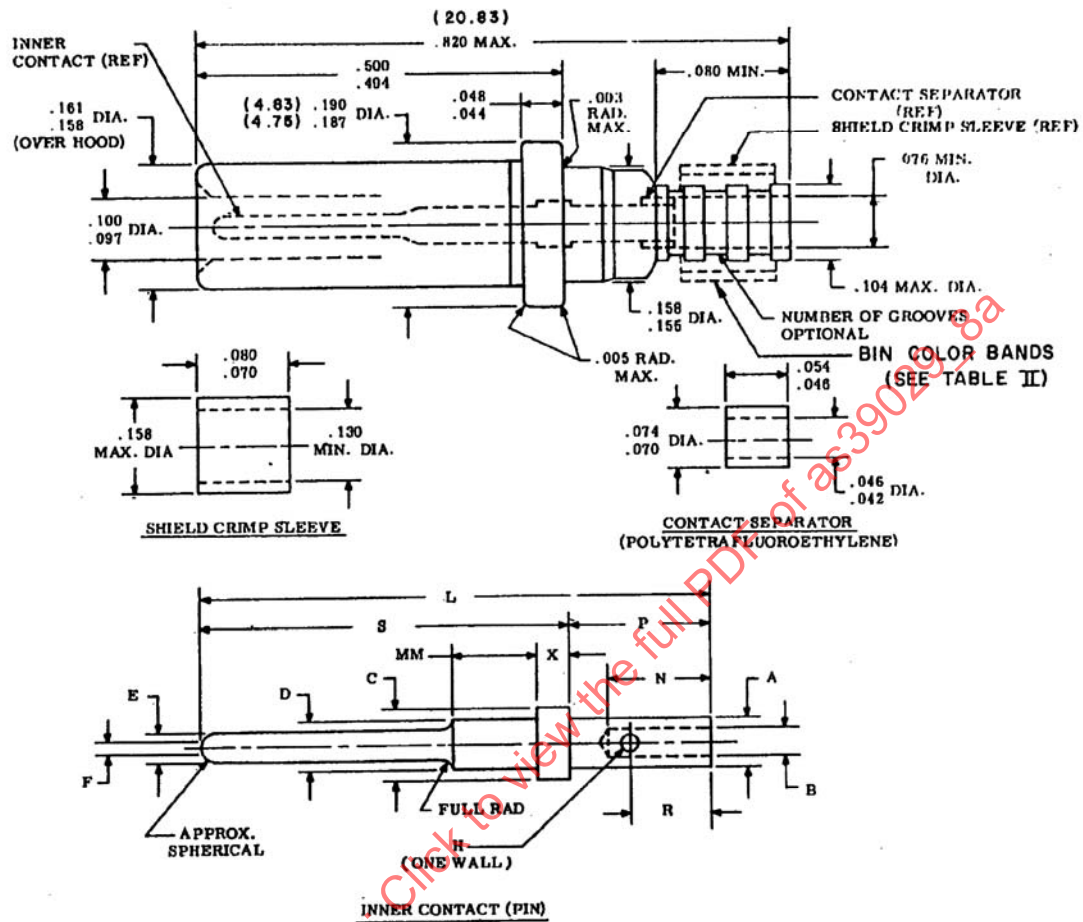
THE ORIGINAL MILITARY SPECIFICATION WAS ADOPTED AS AN SAE STANDARD UNDER THE PROVISIONS OF THE SAE TECHNICAL STANDARDS BOARD (TSB) RULES AND REGULATIONS (TSB 001) PERTAINING TO ACCELERATED ADOPTION OF GOVERNMENT SPECIFICATIONS AND STANDARDS. TSB RULES PROVIDE FOR (A) THE PUBLICATION OF PORTIONS OF UNREVISED GOVERNMENT SPECIFICATIONS AND STANDARDS WITHOUT CONSENSUS VOTING AT THE SAE COMMITTEE LEVEL, AND (B) THE USE OF THE EXISTING GOVERNMENT SPECIFICATION OR STANDARD FORMAT.

UNDER DEPARTMENT OF DEFENSE POLICIES AND PROCEDURES, ANY QUALIFICATION REQUIREMENTS AND ASSOCIATED QUALIFIED PRODUCTS LISTS ARE MANDATORY FOR DOD CONTRACTS. ANY REQUIREMENT RELATING TO QUALIFIED PRODUCTS LISTS (QPL'S) HAS NOT BEEN ADOPTED BY SAE AND IS NOT PART OF THIS SAE TECHNICAL DOCUMENT.

SAENORM.COM : Click to view the full PDF of as39029_8a

 An SAE International Group	AEROSPACE STANDARD	SAE AS39029/8 SHEET 2 OF 5	REV. A
	CONTACTS, ELECTRICAL CONNECTOR, SOCKET, CRIMP REMOVABLE, SHIELDED (FOR MIL-C-26482 SERIES 2 AND MIL-C-81703 SERIES 3 CONNECTORS)		

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



NOTES:

1. Dimensions are in inches.
2. Metric equivalents (to the nearest .01 mm) are given for general information only and are based upon 1 inch = 25.4 mm.
3. Metric equivalents are in parentheses for overall length and diameter only.
4. Dimensions shown apply after plating.

TABLE I. DIMENSIONS.

BIN code	A MAX DIA	B DIA	C DIA	D MAX DIA	E DIA	F MAX FLAT DIA	H DIA	L (REF)	N MIN	P	R	S	X	MM
129	.047	.017	.061 .055	.047	.0295 .0280	.019	.022 .016	.708	.155	.222 .202	.155 .140	.506 .486	.036 .033	.164 .147
130	.047	.023	.061 .055	.047	.0295 .0280	.019	.022 .016	.708	.155	.222 .202	.155 .140	.506 .486	.036 .033	.164 .147
131	.047	.027	.061 .055	.047	.0295 .0280	.019	.022 .016	.708	.155	.222 .202	.155 .140	.506 .486	.036 .033	.164 .147

TABLE II. DESIGN CHARACTERISTICS.

BIN code	Color bands			Contact cavity size	Cables accommodated	Type	Class
	1st	2nd	3rd				
129	Brown	Red	White	12	RG-178 B/U, RG-178 A/U, RG-196 A/U, 30 AWG 28 AWG	D	B
130	Brown	Orange	Black	12	RG-174/U, RG-188 A/U, 26 AWG		
131	Brown	Orange	Brown	12	24 AWG		

REQUIREMENTS:

Dimensions, design characteristics, and configuration: See figure and tables I and II.

Tools: See table III.

Mating contact: MIL-C-39029/7.

Manufacturer's recommended assembly instruction to be shipped with unit package.

Preparation of samples: Contacts shall be wired as required using wire in accordance with table II (cables accommodated column).

Contact resistance:

Outer contact - 3 mV at 1 ampere.

Inner contact - 10 mV at 1 ampere.

Dielectric withstanding voltage:

Sea level - 700 Vac, rms.

70,000 feet - 200 Vac, rms.