

NOTICE

THIS DOCUMENT HAS BEEN TAKEN DIRECTLY FROM U.S. MILITARY SPECIFICATION MIL-C-39029/32B, AMENDMENT 1, NOTICE 1 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-39029/32B, AMENDMENT 1, NOTICE 1. 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.

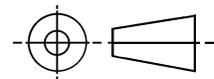
UNDER DEPARTMENT OF DEFENSE POLICIES AND PROCEDURES, ANY QUALIFICATION REQUIREMENTS AND ASSOCIATED QUALIFIED PRODUCTS LISTS ARE MANDATORY FOR DOD CONTRACTS. ANY REQUIREMENT RELATING TO QUALIFIED PRODUCTS LISTS (QPL'S) HAS NOT BEEN ADOPTED BY SAE AND IS NOT PART OF THIS SAE TECHNICAL DOCUMENT.

SAENORM.COM : Click to view the full PDF of as39029_32

AS39029/32

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.

THIRD ANGLE PROJECTION



ISSUED 2001-03

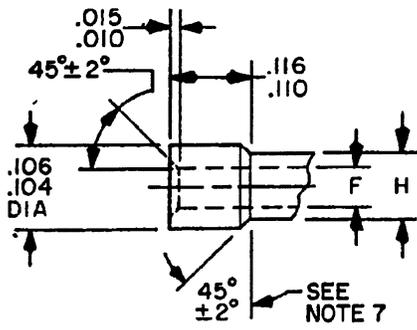
PREPARED BY SAE SUBCOMMITTEE AE-8C1



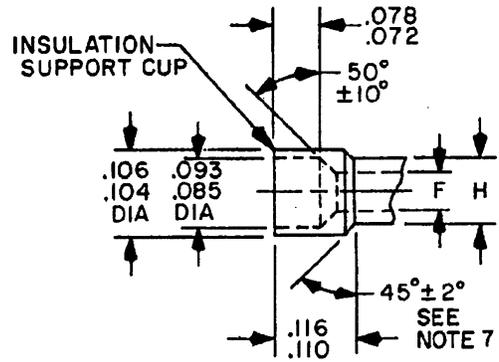
AEROSPACE STANDARD

CONTACTS, ELECTRICAL CONNECTOR, SOCKET, CRIMP REMOVABLE, (FOR MIL-C-26482 SERIES 1, MIL-C-26500 AND MIL-C-26518 CONNECTORS)

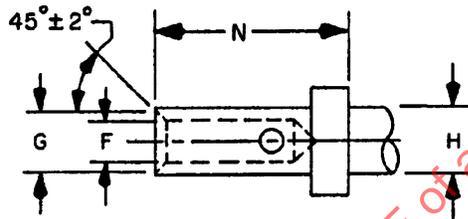
AS39029/32
SHEET 1 OF 7



WIRE BARREL DESIGN
BIN CODE 449
SIZE 20 CONTACTS



WIRE BARREL DESIGN
BIN CODES 259 & 260
SIZE 20 CONTACTS



WIRE BARREL DESIGN
BIN CODES 242 THRU 246
SIZE 20 CONTACTS

TABLE 1. Dimensions.

BIN code	A REF	B MIN	C DIA	D DIA 1/	E DIA	F DIA	G DIA	H DIA	J DIA	K MIN	L	M	N
242, 243, 244, 245 and 246	.854 (21.69)	.0415	.078	.052	.103 (2.62)	.050	.064	.078	.032		.033	.063	.308
			.076	.048	.100 (2.54)	.048	.060	.076	.026	.250	.029	.053	.304
247, 248, 249, 250, 251 and 252	.844 (21.44)	.064	.113	.087	.148 (3.76)	.068	.092	.105	.042		.048	.079	.298
			.110	.083	.144 (3.66)	.066	.080	.101	.036	.236	.044	.073	.294
253, 254, 255, 256, 257 and 258	.844 (21.44)	.0955	.161	.135	.202 (5.13)	.102	.135	.153	.042		.048	.079	.298
			.158	.131	.198 (5.03)	.098	.115	.147	.036	.236	.044	.073	.294
259, 260 and 449	.854 (21.69)	.0415	.078	.052	.103 (2.62)	.050	---	.078	.032		.033	.063	.308
			.076	.048	.100 (2.54)	.048	---	.076	.026	.267	.029	.053	.304

1/ See requirements.

FIGURE 1. SOCKET CONTACTS - CONTINUED.

INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.003	.08	.063	1.60	.097	2.46	.161	4.09
.004	.10	.064	1.63	.098	2.49	.185	4.70
.005	.13	.065	1.65	.100	2.54	.189	4.80
.010	.25	.068	1.73	.101	2.57	.236	5.99
.015	.38	.072	1.83	.102	2.59	.250	6.35
.026	.66	.073	1.85	.104	2.64	.267	6.78
.029	.74	.076	1.93	.105	2.67	.270	6.86
.032	.81	.078	1.98	.106	2.69	.281	7.14
.033	.84	.079	2.01	.110	2.79	.294	7.47
.036	.91	.080	2.03	.113	2.87	.298	7.57
.042	1.07	.083	2.11	.115	2.92	.300	7.62
.044	1.12	.085	2.16	.116	2.95	.304	7.72
.048	1.22	.087	2.21	.131	3.33	.308	7.82
.050	1.27	.089	2.26	.135	3.43	.355	9.02
.052	1.32	.092	2.34	.147	3.73	.367	9.32
.053	1.35	.093	2.36	.153	3.89	.854	21.69
.060	1.52	.095	2.41	.158	4.01		

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only and are based upon 1.00 inch = 25.4 mm.
3. Metric equivalents are in parentheses for overall length and diameter only.
4. Dimensions shown apply after plating.
5. Spherical end dimension to comply with MIL-C-39029A.
6. Contacts (Class A) are shipped for MIL-C-26482, series 1 connectors. Contacts (Class B) are shipped for MIL-C-26500 connectors.
7. Optional requirement of .036/.026 radius may be used as substitute.

FIGURE 1. SOCKET CONTACTS - CONTINUED.

TABLE II. DESIGN CHARACTERISTICS.

BIN code	Color bands			Mating end size	Wire barrel size	Type	Class
	1st	2nd	3rd				
242	Red	Yellow	Red	20	20	A	A
243	Red	Yellow	Orange	20	20	C-iron	A
244	Red	Yellow	Yellow	20	20	C-chrome1	A
245	Red	Yellow	Green	20	20	C-alume1	A
246	Red	Yellow	Blue	20	20	C-constantan	A
247	Red	Yellow	Violet	16	16	A	A
248	Red	Yellow	Gray	16	16	A	B
249	Red	Yellow	White	16	16	C-iron	A
250	Red	Green	Black	16	16	C-chrome1	A
251	Red	Green	Brown	16	16	C-alume1	A
252	Red	Green	Red	16	16	C-constantan	A
253	Red	Green	Orange	12	12	A	A
254	Red	Green	Yellow	12	12	A	B
255	Red	Green	Green	12	12	C-iron	A
256	Red	Green	Blue	12	12	C-chrome1	A
257	Red	Green	Violet	12	12	C-alume1	A
258	Red	Green	Gray	12	12	C-constantan	A
259	Red	Green	White	20	20	A	A
260	Red	Blue	Black	20	20	A	B
449	Yellow	Yellow	White	20	20	A	B

REQUIREMENTS:

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

Tools: See table III.