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**REV.
C**

AS25488™

FEDERAL SUPPLY CLASS
5935

RATIONALE

AS25488C PLUG IS BEING STABILIZED BECAUSE THE PROCESSES/PRODUCT IS CONSIDERED MATURE AND THE COMMITTEE DOES NOT ANTICIPATE FUTURE TECHNICAL CHANGES. STABILIZATION DOES NOT IMPLY THE PROCESS OR PRODUCT IS UNACCEPTABLE FOR APPLICATIONS FOR WHICH IT IS DESIGNED. ANY TECHNICAL CHANGES NOTED BY A SUPPLIER OR USER WHICH RESULTS IN A PRODUCT OR REQUIREMENT CHANGE WILL BE ADDRESSED BY A NEW REVISION. A QUALIFIED SUPPLIER IS STILL MAINTAINED.

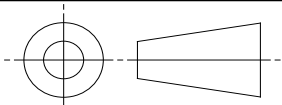
STABILIZED NOTICE

THIS DOCUMENT HAS BEEN DECLARED "STABILIZED" BY SAE AE-8C1 CONNECTORS 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.

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For more information on this standard, visit
<https://www.sae.org/standards/content/AS25488C/>

THIRD ANGLE PROJECTION



CUSTODIAN: AE-8C1

PROCUREMENT SPECIFICATION: AS7974



AEROSPACE STANDARD

CONNECTOR, PLUG, ATTACHABLE
EXTERNAL ELECTRIC POWER, AIRCRAFT,
28 VOLT DC, OPERATING POWER

AS25488™

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NOTICE

THE COMPLETE REQUIREMENTS FOR PROCURING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS7974.

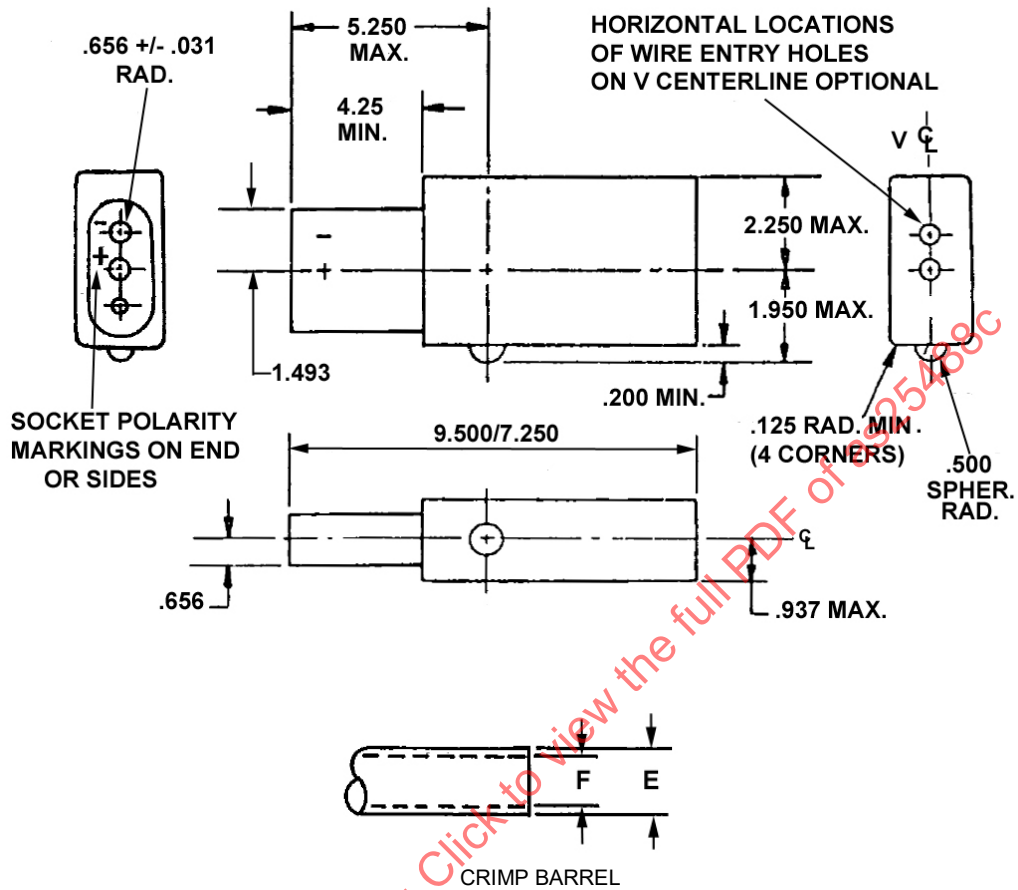


FIGURE 1 - CONNECTOR PLUG

TABLE 1 - FIGURE 1 METRIC EQUIVALENTS

INCHES	MM	INCHES	MM	INCHES	MM	INCHES	MM
.031	0.79	.656	16.66	2.250	57.15	9.500	241.30
.125	3.18	.937	23.80	4.25	107.95		
.200	5.08	1.493	37.92	5.250	133.35		
.500	12.70	1.950	49.53	7.250	184.15		

TABLE 2 - PART NUMBER

PART NO.	WIRE SIZE	SUPERSEDED PART NUMBER
MS25488-25	0	MS25488-2
MS25488-26	00	MS25488-3
MS25488-27	0000	MS25488-1, -4

TABLE 3 - CRIMP BARREL DIMENSIONS

WIRE SIZE	E DIA		F DIA	
	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM
0	.578 (14.68)	.558 (14.17)	.458 (11.63)	.438 (11.13)
00	.640 (16.26)	.620 (15.75)	.520 (13.21)	.500 (12.70)
0000	.780 (19.81)	.760 (19.30)	.645 (16.38)	.622 (15.80)

TABLE 4 - CRIMP TOOL/DIE/GAGE PART NUMBERS

PART NO.	WIRE SIZE	CRIMP TOOL PART NUMBER	CRIMP DIE PART NUMBER	GAGE PART NUMBER
MS25488-25	0	MS25441-01 1/	MS90485-01 2/	MS90486-01 3/
		M5259/3-01	MS90485-01 2/	MS90486-01 3/
		M5259/4-01	AS5259/7-006	MS90486-01 3/
		M5259/5-01	AS5259/7-006	MS90486-01 3/
		M5259/5-01	M5259/7-014	M5259/6-005
MS25488-26	00	MS25441-01 1/	MS90485-02	MS90486-02 3/
		M5259/3-01	MS90485-02	MS90486-02 3/
		M5259/4-01	AS5259/7-006	MS90486-02 3/
		M5259/5-01	AS5259/7-007	MS90486-02 3/
		M5259/5-01	M5259/7-015	M5259/6-006
MS25488-27	0000	MS25441-01 1/	MS90485-04	MS90486-04 3/

1/ REFER TO AS5259/1 FOR MS25441 TOOL DETAILS.

2/ REFER TO AS5259/7 FOR MS90485 DIE DETAILS.

3/ REFER TO AS5259/6 FOR MS90486 INSPECTION GAGE DETAILS.

REQUIREMENTS: ALL REQUIREMENTS SHALL CONSIST OF THIS DOCUMENT AND THE LATEST ISSUE OF AS7974.

1. DESIGN:

THE CONNECTOR PLUG SHALL BE DESIGNED IN ACCORDANCE WITH FIGURE 1 AND TABLE 3. DIMENSIONS ARE IN INCHES AND APPLY AFTER PLATING. UNLESS OTHERWISE SPECIFIED, TOLERANCES: DECIMALS ± 0.025 (± 0.64 MM). METRIC EQUIVALENTS (TO THE NEAREST 0.01 MM) ARE IN PARENTHESES AND GIVEN FOR GENERAL INFORMATION ONLY. METRIC EQUIVALENTS ARE BASED ON 1 INCH = 25.4 MM (SEE TABLE 1). UNLESS OTHERWISE INDICATED, DIMENSIONS ARE SYMMETRICAL ABOUT CENTERLINES. EACH PLUG WHEN MATED WITH MS25018-2 RECEPTACLE, SHALL MEET ALL THE REQUIREMENTS OF AS7974. THE SMALLER SOCKET SHALL BE CONNECTED TO THE "PLUS" LARGER SOCKET WITHIN THE PLUG BY A COPPER OR BRASS JUMPER HAVING A CROSS SECTIONAL AREA OF AT LEAST 6530 CIRCULAR MILS.

2. TOOLS:

SOCKET CONTACT CRIMP TYPE BARREL ENDS SHALL BE DESIGNED SO THAT THE PLUG MAY BE ATTACHED TO CABLES USING CRIMPING TOOLS SPECIFIED IN TABLE 4.

	AEROSPACE STANDARD	AS25488™ SHEET 2 OF 3	REV. C
	CONNECTOR, PLUG, ATTACHABLE EXTERNAL ELECTRIC POWER, AIRCRAFT, 28 VOLT DC, OPERATING POWER		