

APPLICATIONS		REVISIONS			
NEXT ASSEMBLY	USED ON	REV.	DESCRIPTION	DATE	APPROVED
		A	RELEASED TO SALES; ENN:0066	1-15-88	DN
		B	REVISED	12-11-90	AG
		C	DELETED NOTE 7; $\phi.958\pm.005$ WAS $\phi.960\pm.003$; ECO-05633	11-10-06	CBV

Technical drawing of the MC283-1 audio connector. The side view shows a cylindrical body with a threaded section. Dimensions include a total length of 1.079, a body diameter of $\phi.96$, and a contact diameter of $\phi.958\pm.005$. A note indicates that contacts are equally spaced on a $.281$ B.C. The end view shows six contacts labeled A through F, with a diameter of $\phi.755\pm.005$ and a contact pitch of $.130\pm.005$. A panel cutout is shown with a diameter of $\phi.755\pm.005$ and a thickness of $.125$.

FILE NAME: MC283-1.dwg

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS $\pm 1/64$ DECIMALS $.XX \pm .01$ ANGLES $\pm 1/2^\circ$ XXX $\pm .003$	CONTRACT NO.		MIL-CON TM AN AFFILIATE OF THE PHOENIX COMPANY OF CHICAGO			
	APPROVALS					
THE INFORMATION DISCLOSED IN THIS DOCUMENT IS CONFIDENTIAL AND PROPRIETARY TO MIL-CON, INC. AND MAY NOT BE USED FOR MANUFACTURE OR ANY OTHER PURPOSE WITHOUT THE WRITTEN CONSENT OF MIL-CON, INC.	DRAWN A. Green	12/11/90	MC283-1 AUDIO CONNECTOR			
	CHECKED A. Huezo	11/13/06				
	ISSUED			SIZE A	FSCM NO. 63525	DWG. NO. SD: MC283-1
DO NOT SCALE DRAWING			SCALE NONE	SHEET 1 OF 2		

SPECIFICATIONS:

- 1) MATERIALS:
SHELL AND PANEL NUT: STAINLESS STEEL
CONTACTS: COPPER ALLOY
INSULATOR: DIALLYL PHTHALATE PER MIL-M-14, TYPE MDG
- 2) FINISHES/COLOR:
SHELL AND PANEL NUT: PASSIVATED, SAND BLASTED
CONTACTS: .000030 GOLD PER MIL-G-45204, TYPE II,
CLASS 0; OVER .000100 NICKEL PER QQ-N-290
INSULATOR: BLUE
- 3) ELECTRICAL PROPERTIES:
OPERATING VOLTAGE: 60 VOLTS MAXIMUM POTENTIAL
CURRENT RATING: 0.5 AMPS MAXIMUM
DIELECTRIC BREAKDOWN: 500 VOLTS RMS
INSULATION RESISTANCE: 1000 MEGOHMS MINIMUM
CONTACT RESISTANCE (MATED): 0.04 OHMS MAXIMUM
- 4) MECHANICAL PROPERTIES:
AIR PRESSURE: 2.5 P.S.I.
WATER IMMERSION: 48 HOURS AT 6 FEET
DURABILITY: 3000 CYCLES, MATE AND UNMATE
- 5) MC283-1 RECEPTACLE MATES WITH:
MC617 - ALL VERSIONS
MC329 - ALL VERSIONS
- 6) DIMENSIONS ARE FOR REFERENCE ONLY, UNLESS OTHERWISE SPECIFIED

MIL-CONTM

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DRAWN A. Green

SIZE
A

FSCM NO.
63525

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REV.
C

ISSUED

SCALE NONE

SHEET 2 OF 2