



FILE NAME: MC283F-1-025-5.dwg

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES $\pm 1/64$.XX ± .01 ± 1/2° .XXX ± .003	CONTRACT NO.		MIL-CON™ AN AFFILIATE OF THE PHOENIX COMPANY OF CHICAGO		
	APPROVALS	DATE	MC283F-1-025-5 AUDIO CONNECTOR		
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	02/08/95	SIZE	FSCM NO.	DWG. NO.
	CHECKED	11/13/06	A	63525	SD: MC283F-1-025-5
DO NOT SCALE DRAWING	ISSUED		SCALE	NONE	REV. C
			SHEET	1	OF
				2	

SPECIFICATIONS:

- 1) MATERIALS:
 SHELL AND PANEL NUT: STAINLESS STEEL
 CONTACTS: BRASS, TEMPER HALF HARD
 INSULATOR: DIALLYL PHTHALATE PER MIL-M-14, TYPE MDG
 PANEL O-RING: CONDUCTIVE RUBBER
- 2) FINISHES/COLOR:
 SHELL AND PANEL NUT: PASSIVATED, SAND BLASTED
 CONTACTS: .000030 GOLD PER MIL-G-45204, TYPE I,
 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) MC283F-1-025-5 RECEPTACLE MATES WITH:
 MC617 - ALL VERSIONS
 MC329 - ALL VERSIONS
- 6) DIMENSIONS ARE FOR REFERENCE ONLY, UNLESS OTHERWISE SPECIFIED
- △ 7) FILTER SPECIFICATIONS:
 CAPACITANCE (1 KHz,25°C): 3000 pF MAXIMUM
 INSERTION LOSS (MIL-STD-220,NO LOAD,25°C):
 30 Db. MIN. AT 100 MHZ TO 250 MHZ
 50 Db. MIN. AT 250 MHZ TO 1GHZ
 WORKING VOLTAGE: 50 VDC
 DIELECTRIC VOLTAGE BREAKDOWN: 150 VDC
 INSULATION RESISTANCE (150 VDC,25°C): 1000 MEGOHMS MINIMUM
 RF CURRENT: .25 AMPS MAXIMUM

△ 8) PIN "A" GROUNDED

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	SIZE A	FSCM NO. 63525	DWG. NO. SD: MC283F-1-025-5	REV. C
	DRAWN A. Green	SCALE NONE	SHEET 2	OF 2
ISSUED				