

APPLICATIONS		REVISIONS			
NEXT ASSEMBLY	USED ON	REV.	DESCRIPTION	DATE	APPROVED
		A	RELEASED TO SALES	2-15-91	AG
		B	UPDATED; ECO 2732	5-2-00	CBV
		C	DELETED NOTE 7; ECO-05633	11-10-06	CBV

Technical drawing of the audio connector. The side view shows a cylindrical body with a flange. Dimensions include: overall length 1.130, flange outer diameter $\phi .958 \pm .005$, flange inner diameter $\phi .96$, and a central hole diameter of $\phi .755 \pm .005$. The end view shows a circular face with six contact points labeled A through F, arranged in a hexagonal pattern. The distance between contacts is $.130 \pm .005$ and the distance across flats is $.645 \pm .005$. A note indicates: "CONTACTS ARE EQUALLY SPACED ON A .281 B.C.".

Technical drawing of the panel cutout. It is a circular hole with a diameter of $\phi .755 \pm .005$. The panel thickness is $.095 \pm .035$. The distance from the center of the hole to the edge of the cutout is $.653 \pm .003$.

FILE NAME: MC-ON241775-3.dwg

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES $\pm 1/64$.XX $\pm .01$ $\pm 1/2^\circ$.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	02/15/91	MC-ON241775-3 AUDIO CONNECTOR			
	CHECKED	11/13/06				
	ISSUED			SIZE	FSCM NO.	DWG. NO.
			A	63525	SD: MC-ON241775-3	C
DO NOT SCALE DRAWING			SCALE	NONE	SHEET 1	OF 2

SPECIFICATIONS:

1) MATERIALS:

SHELL AND PANEL NUT: STAINLESS STEEL (CLASS 304)
CONTACTS (REAR): COPPER ALLOY
CONTACTS (FRONT): BERYLLIUM COPPER
INSULATOR: DIALLYL PHTHALATE PER MIL-M-14. TYPE MDG

2) FINISHES/COLOR:

SHELL AND PANEL NUT: PASSIVATED, SAND BLASTED
CONTACTS (REAR): 0.000030 GOLD PER MIL-G-45204, TYPE II, CLASS 0;
OVER 0.000100 NICKEL PER QQ-N-290
CONTACTS (FRONT): 0.000100 GOLD PER MIL-G-45204, TYPE II, CLASS 1;
OVER 0.000100 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: 0.040 OHMS MAXIMUM FROM 1 TO 1500 MATINGS
0.100 OHMS MAXIMUM FROM 1500 TO 3000 MATINGS
1.000 OHMS MAXIMUM AFTER 3001 MATINGS

4) MECHANICAL PROPERTIES:

AIR PRESSURE: 3.0 P.S.I.
DURABILITY: 3000 CYCLES, MATE AND UNMATE
OPERATING TEMPERATURE: -52°C TO +95°C
WATER IMMERSION: 48 HOURS AT 6 FEET

5) MC-ON241775-3 RECEPTACLE MATES WITH:

ON190305 - ALL VERSIONS
ON241774 - ALL VERSIONS

6) DIMENSIONS ARE FOR REFERENCE ONLY, UNLESS OTHERWISE SPECIFIED

MIL-CONTM

DRAWN A. Green

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A

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REV.
C

SCALE NONE

SHEET 2 OF 2