

APPLICATIONS		REVISIONS			
NEXT ASSEMBLY	USED ON	REV.	DESCRIPTION	DATE	APPROVED
		H	RELEASED TO SALES	3-25-02	AH

  

Technical drawing showing a 19-position filtered receptacle. Dimensions include: 100°, 120°, 30°, .812 across flats, .090 (TYP.),  $\phi 1.000$ ,  $\phi .790$ ,  $\phi .750$ , .875-20 UNEF THREAD, .090, .490, .570, .697 (TYP.), .080/.100 PANEL THICKNESS,  $\phi .035 \pm .002$  (TYP.),  $\phi .057 \pm .002$  (TYP.), .100 (TYP.).

FILE NAME: MC-A3245088-1

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.		<b>MIL-CON™</b> AN AFFILIATE OF THE PHOENIX COMPANY OF CHICAGO			
	APPROVALS	DATE				
	DRAWN	A. Huezo	3-02	RECEPTACLE; MC-A3245088-1, FILTERED		
	CHECKED			19-POSITION		
ISSUED			SIZE	FSCM NO.	DWG. NO.	REV.
			A	63525	SD: MC-A3245088-1	H
DO NOT SCALE DRAWING			SCALE	NONE	SHEET	1 OF 2

SPECIFICATIONS:

1) MATERIALS:

SHELL AND PANEL NUT: STAINLESS STEEL, TYPE 303  
 CONTACTS: COPPER ALLOY  
 INSULATOR: DIALLYL PHTHALATE PER MIL-M-14, TYPE MDG  
 O-RING: RUBBER, PER ASTM D2000

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  
 O-RING: BLACK

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

4) MECHANICAL PROPERTIES:

AIR PRESSURE: 15 P.S.I.  
 WATER IMMERSION: 48 HOURS AT 6 FEET  
 DURABILITY: 3000 CYCLES, MATE AND UNMATE  
 OPERATING TEMPERATURE: -55°C TO +85°C

5) FILTER SPECIFICATIONS:

CAPACITANCE (1 KHz, 25°C): 1000 pF  
 INSERTION LOSS (MIL-STD-220, NO LOAD, 25°C):  
 13 dB MIN. AT 100 MHz  
 22 dB MIN. AT 250 MHz  
 WORKING VOLTAGE: 50 VDC  
 DIELECTRIC WITHSTANDING VOLTAGE: 150 VDC  
 INSULATION RESISTANCE (150 VDC, 25°C): 1000 MEGOHMS MINIMUM  
 RF CURRENT: 0.25 Amps MAXIMUM

6) CONTACT #5 IS GROUNDED TO THE SHELL.

7) MC-A3245088-1 RECEPTACLE MATES WITH MC-A3245089-1 OR MC-A3245089-3 PLUG

8) DIMENSIONS ARE FOR REFERENCE ONLY, UNLESS OTHERWISE SPECIFIED

<b>MIL-CON</b> <sup>TM</sup>			FILE NAME: MC-A3245088-1			
			SIZE <b>A</b>	FSCM NO. <b>63525</b>	DWG. NO. SD: MC-A3245088-1	REV. H
DRAWN A. Huevo	3-02	SCALE NONE		SHEET 2	OF 2	
ISSUED						