

CMA-6800 Display

6.5" Display Head Assembly



The LCD Solution To Replace Aging CRT Displays

The CMA-6800 is a form-fit-function replacement for the Honeywell ED-800 CRT displays on a number of aircraft, with a modern LCD display using LED backlight. The display replicates the functionality of the CRT display with greater reliability, thus reducing overall cost of ownership. It has hardware built-in provisions for growth for additional display capability, both through an internal CPU and additional interfaces.

This solution retains the use of existing symbol generators (and display formats/symbology), the existing EFIS controllers and related EFIS select panels. The CMC CMA-6800 is a cost-effective solution, compared to an expensive full cockpit upgrade, with minimal down time required to perform the conversion.

The CMA-6800 AMLCD display is certified to TSO-C113a - Airborne Multipurpose Electronic Displays.

MAIN FEATURES

- Greatly reduced maintenance costs – high MTBF
- Reduced weight and power consumption
- Transparent cockpit operation – zero aircrew re-training
- Eliminates obsolescence threat
- Additional I/O and processor growth provisions for future mandates
- Available in black or gray bezel colors
- Certification to TSO-C113a

CMA-6800 Display — Specifications

Qualification test	DO-160G Section	Category	Qualification test	DO-160G Section	Category
Temperature and Altitude	4	A1F1	Sand and Dust	12	X
Low Operating Temperature	4.5.2	-20°C	Fungus Resistance	13	F
Low Short-Term Operating Temperature	4.5.1	-40°C	Salt Fog	14	X
High Short-Term Operating Temperature	4.5.3	+70°C	Magnetic Effect	15	Z
High Operating Temperature	4.5.4	+55°C	Power Input	16	AXX
Loss Of Cooling Test	4.5.5	X	Voltage Spike	17	A
Ground Survival Low Temperature	4.5.1	-55°C	Audio Frequency Conducted Susceptibility Power Inputs	18	R
Ground Survival High Temperature	4.5.3	+85°C	Induced Signal Susceptibility	19	ZC
Altitude	4.6.1	55,000 ft	Radio Frequency Susceptibility	20	WD
Decompression Test	4.6.2	55,000 ft	Lightning Induced Transient Susceptibility	22	A3J3L3
Overpressure Test	4.6.3	-15,000 ft	Lightning Direct Effects	23	X
Temperature Change Rate	5	C	Icing	24	X
Humidity	6	A	Electrostatic Discharge	25	A
Operational Shocks and Crash Safety	7	B	Fire Flammability	26	C
Vibration	8	S(BB3)			
Explosion Proofness	9	X			
Waterproofness	10	X			
Fluids Susceptibility	11	F			

General specifications	
Model	CMA-6800
Part Number	100-604045-VAR
Size (H x W x L)	5 x 6 x 10.5 inches
Power Consumption	< 30 Watts (< 50 Watts with heater on)
Weight	< 6 lb
Projected MTBF	15,000 hrs
Contrast	<300:1 at normal incidence under low ambient lighting conditions
Viewing angle	+/- 60 degrees horizontal and +50/-15 degrees vertical at contrast ratio > 20:1
Luminance	120 fL
Resolution	1024 x 768 / 196 DPI

For more information, visit www.cmcelectronics.ca or email us at sales@cmcelectronics.ca



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