


Portfolio

CLIENT	MEGGITT AVIONICS
PROJECT	Hardware Design & Development
PRODUCT	3 inch Displays with LED Backlight
	ENGINEERING
	DESIGN
	DEVELOPMENT
	CONSULTANCY
	MANUFACTURE



3 inch Displays with LED Backlight

In the first week of September 2007, Meggitt Avionics shipped out their first customer order for SFD and SFDR units fitted with LED backlight displays. These units were shipped to a major US helicopter manufacturer.

The shipping of these units represents a tangible milestone for Meggitt Avionics by giving them considerable operational display performance benefits over the previous CCFL variant.

The new LED backlight produces a much brighter display to offset any high ambient light levels (e.g. a fighter aircraft with a bubble-type canopy), an improved colour range (useful for threat warning) with the capability of allowing the display to be set to a default green background if required (very low power). A lot of interest has been generated by this functional capability, placing Meggitt Avionics in a very favourable position compared to their competition.

The development has taken a year and a half from initial design, prototype to the production version which is now being shipped. This has been achieved with close collaboration between the Meggitt Engineering Team and PJB Systems on the design, with input from PED on the productionisation aspects with both Phoenix and Meggitt Engineering. The aim is that the LED backlight will become a standard-fit on future SFD, 3" Threat Warning indicators, SFDRs and EMDs display products.

