



M-Wave Controls

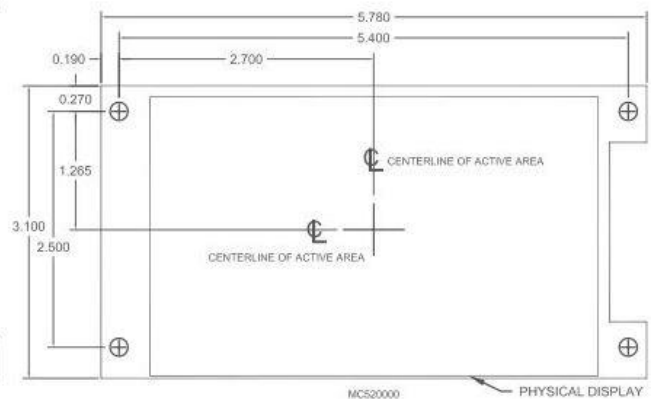
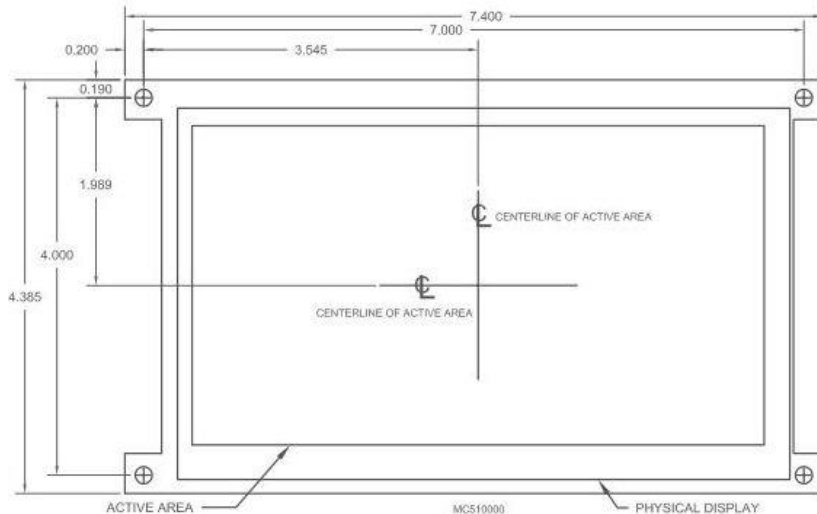
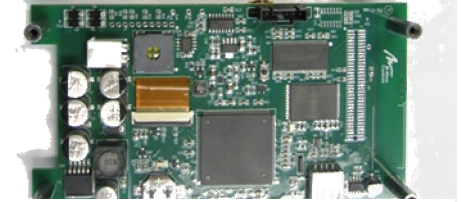
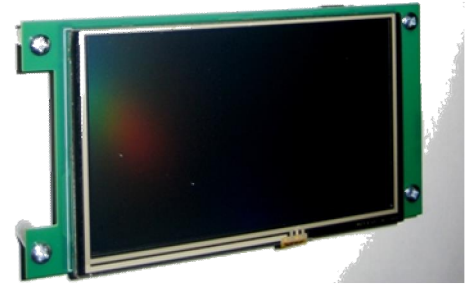
Solutions through Innovation

M-Wave Controls 7" & 5" Graphic User Interface Controls

The MC5100 (7") and MC5200 (5") color graphic user interface control platforms offers hardware flexibility, interchangeable firmware, and low cost to the OEM. Both platforms contain common display, I/O, and memory configurations allowing the same firmware to run on either platform with only a display driver change. Both platforms can be configured to run as a single board or expand to a 2 board stack capable of integrating additional functions. The single board features a color graphic LCD display (800x480 WVGA) and resistive touch panel driven by a Cortex M3 CPU with integrated display controller, 512KB Flash, 96KB SDRAM and 4KB EEPROM. On board memory expandable from 8 to 64MB Flash and SDRAM. Other functions include Host USB, RS-232 / RS-485 communications, battery powered RTC, speaker, and wide range operating voltage, 5VDC, or 10-30VAC/DC.

Supported Functions on Expansion Connector:

- 70 circuit I/O expansion connector to 2nd board
- Secondary USB Host or OTG capability
- Wi-Fi
- Ethernet port
- Alternate power source input
- I/O expansion w/ relays or solid state devices
- Additional RS-232 and RS-485 serial ports
- CAN Bus
- Serial memory devices



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