

M-FLEX 7" COLOR DISPLAY

The M-Flex 7" Color Display is designed for severe duty, outdoor mobile applications and built to withstand the harsh temperatures, shock and vibration, moisture and electrical transients that are common to these environments.

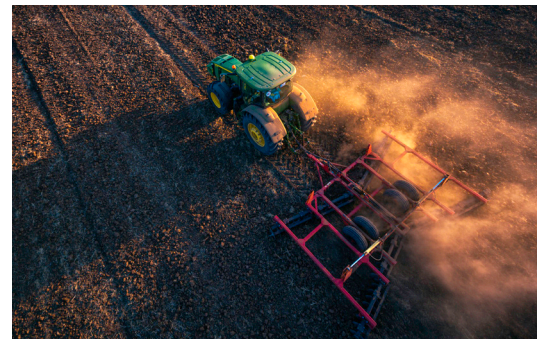


M-Flex
DISPLAYS

IP67

12V
24V

RoHS
Compliant



FEATURES



High brightness LCD (1000cd/m2) for true outdoor viewing in sunlight. Wide viewing angle.



250/500/1000kbps CAN bus speeds.



Touch GFX Ready.



Configurable inputs and outputs for customizing controller to each application.



CAN protocol J1939, CANopen, NMEA 2000.



GPS embedded/onboard.

SPECIFICATIONS

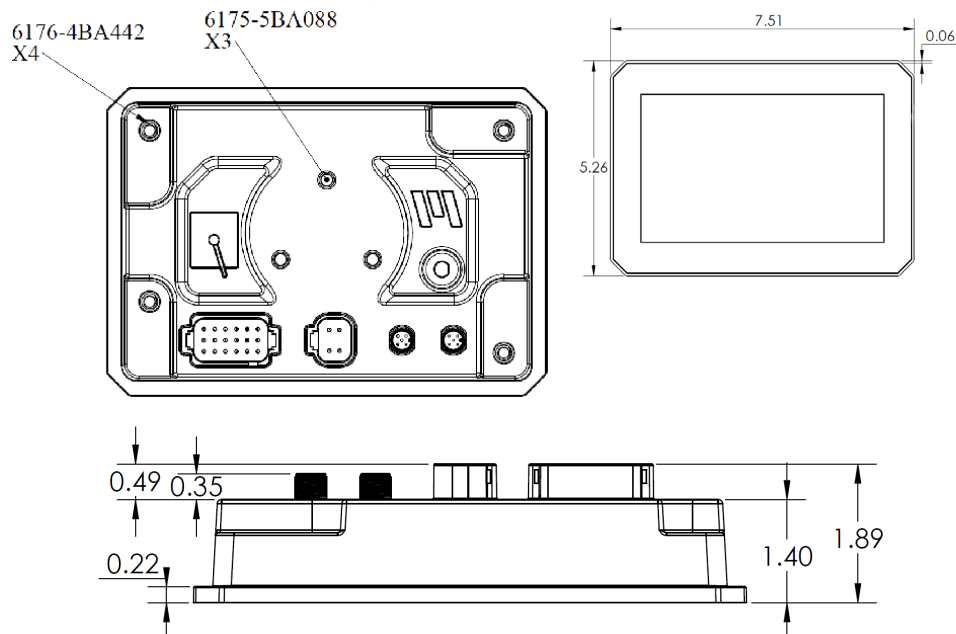
Specifications subject to change without notice. \ Revised 11.25

Supply Voltage	8 - 36VDC operating range, reverse polarity protected.
Protocol	SAE J1939 CAN 2.0B compliant, CANopen, NMEA 2000
Baud Rate	250/500/1000 kbps
CAN Ports	4
Inputs/Outputs	6 configurable I/O inputs: (analog, digital or frequency, PWM, resistive or quadrature encoder) outputs: PWM, High Side, Source/Sink*, H-Bridge*
Sensor Power Output	Power supply rated 12VDC 300mA max
LCD	Brightness: 1000 cd/m ² Resolution: 800 x 480 pixels Viewing angle: 160 degrees
Connectors	18-pin Deutsch DT style connector, 4-pin Deutsch DT style connector
Touch	PCAP, optically bonded to display, Glove friendly
Ingress Protection	IP67 (1 meter submersion for 30 minutes)
Operating Temperature	-30° to 85°C (-30° to 185°F).
Storage Temperature	-40° to 85°C (-40° to 185°F).
	*When configured as outputs, only I/O #1 and #2 can be configured to sink current.

PROGRAMMING OPTIONS

Marlin Technologies offers two software programming options for M-Flex Displays. For customers looking for a full solution, our engineering team can develop custom display software to meet specific application requirements. For customers with the engineering resources for developing their own applications, M-Flex Displays use a TouchGFX template. TouchGFX is a user-friendly graphic C++ tool that creates embedded graphic user interfaces (GUIs) on STM32 microcontrollers.

DIMENSIONS



For a detailed specification visit
marlintech.com

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IMPORTED MATERIALS