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**EVL-GMM106**  
**Evaluation Board For Monochrome MOB Panels**

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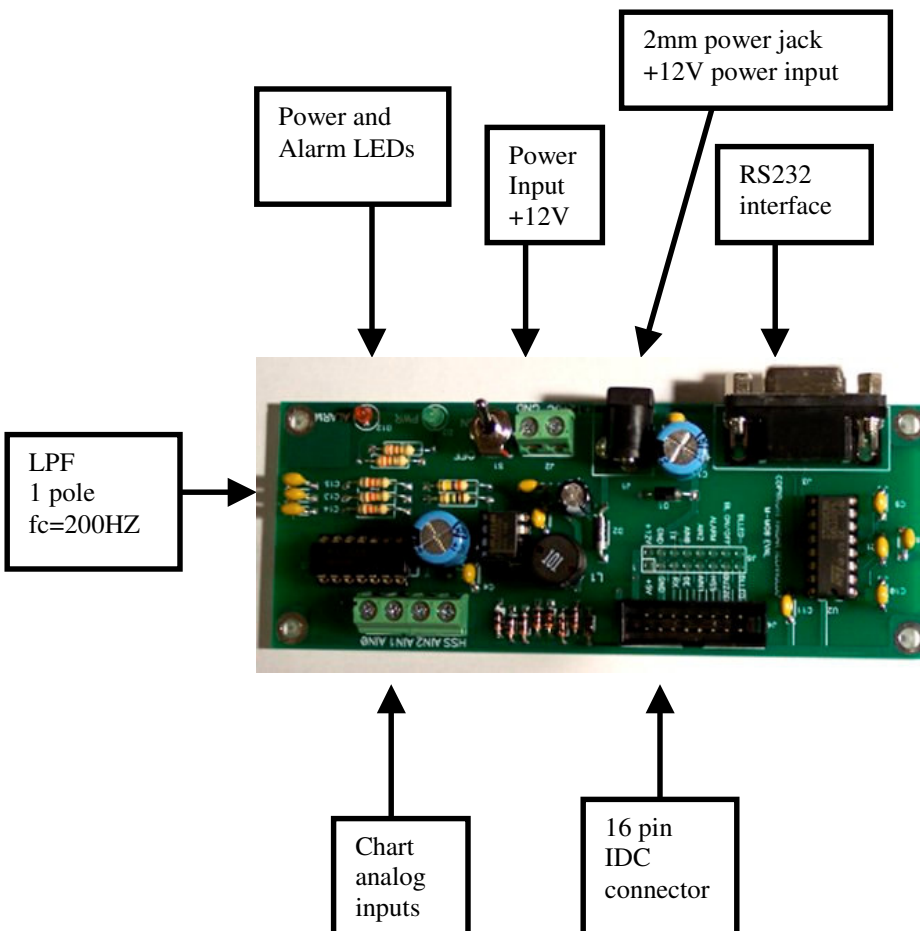
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## 1- Overview:

EVAL-MONO-MOB is an evaluation board for our MOB (Module On Board) monochrome panel series.

## 2- Features:

- RS232 interface
- +5V 1A DC/DC converter
- Support for all monochrome panels
- Low pass filter ( $f_c = 200\text{HZ}$ ) and diode protection for chart analog inputs
- Screw terminal for analog and digital inputs
- Screw input and 2mm power jack for power input (+12V)
- Power switch
- Power and Alarm LEDs



### 3- Connectors

- **J5, Chart analog and digital inputs**

1	Analog In 0
2	Analog In 1
3	Analog In 2
4	HSS ( Horizontal Scanning Signal)

- **J4, 16-pin standard IDC connector**

Pin Number	Pin Name	Pin Type	Pin Description
1	+5V	PWR	+5V DC In ( 500 MA)
2	+12V	PWR	+12V for CCFL High voltage converter
3	GND	PWR	Ground reference
4	GND	PWR	Ground reference
5	RS232-Rx	TTL IN	RS232 Receiver
6	RS232-Tx	TTL OUT	RS232 Transmitter
7	RS422-DE	TTL OUT	RS422 Data Enable
8	AIN-CH0	Analog IN	CH0 Analog input ( 0 – 5V) for chart update
19	AIN-CH1	Analog IN	CH1 Analog input ( 0 – 5V) for chart update
10	AIN-CH2	Analog IN	CH2 Analog input ( 0 – 5V) for chart update
11	HSS	TTL IN	Horizontal Scanning Signal for chart update
12	Alarm-LED	TTL OUT	This output can be used as general visual alarm controlled by software. LED with limiting resistor can be connected to this pin. This pin is already connected to an LED on board.
13	Buzzer	TTL OUT	This output can be used as general audible alarm controlled by software. A buzzer with proper current sink can be connected to this pin ( This pin is already connected to the buzzer on panel board)
14	BL-ON/OFF	TTL OUT	This TTL Output indicates the status of the LCD back light. 1 => ON 0 => OFF It can be used to turn external light ( front panel lighting) ON or OFF
15	BL-LED+	PWR	Leave this pin open if the panel has LED back light
16	BL-LED-	GND	Leave this pin open if the panel has LED back light

- **J1, 2mm Power jack for power input ( +12V 1A )**
- **J2, Power input ( +12V 1A)**
- **J3, RS232 connector**

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