

ENFIS QUATTRO LED CONTROL/DRIVER PCB

200W POWER CAPABILITY

Max Input Power
48V / 5A DC

Number of Driver Channels
4

Max Power / Channel
50 Watts

Output Voltage Range
16V - 42V

Contact info@enfis.com for further details.

MARKETS :-

- Lighting
- Projection
- Backlighting
- Medical
- Dental
- Consumer
- Inspection
- Security
- UV Curing

4Channel x 50Watt = 200Watt Power Driver

- Multi Channel
- In-built Thermal Sensing and Control
- In-built Optical Feedback for Auto Power Control
- Compact size - Dimensions: 100mm (L) x 123mm (W) x ~75 (H) mm
- Low Voltage - 48 Volt Operation
- Typical Ambient Operating Temperature: +10 <=> +45°C

Integrated LED Lighting Driver

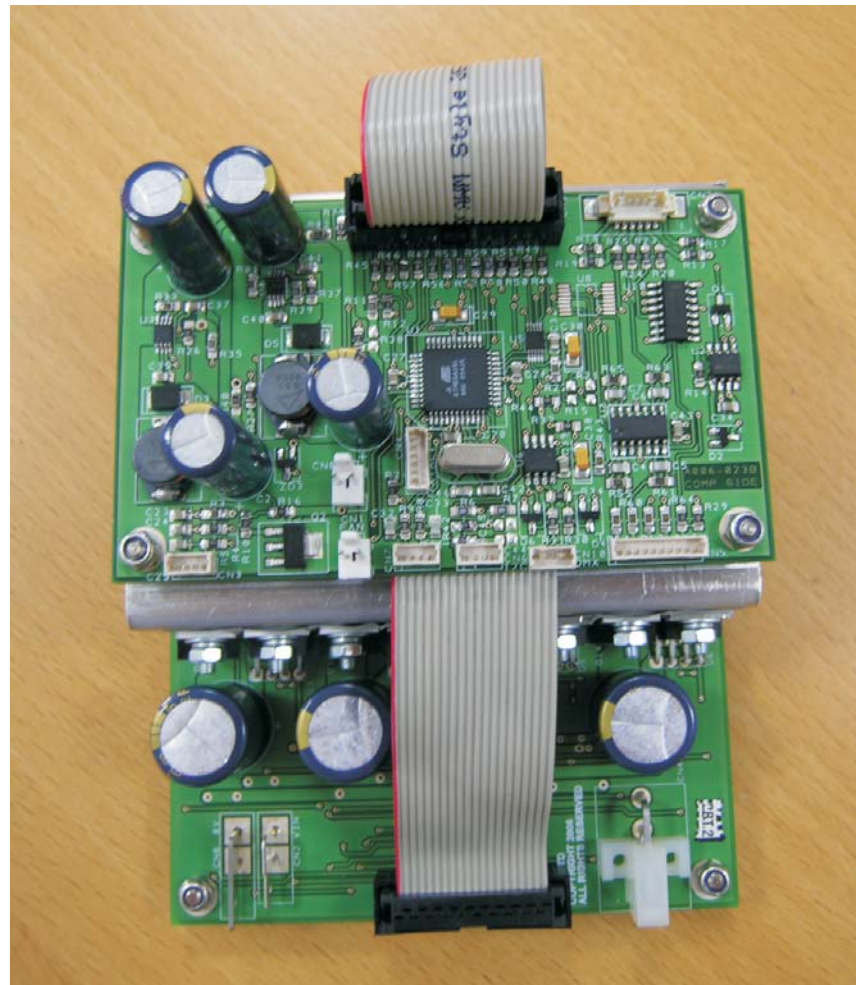
Drivers
4 x 50W Channels
Current & Voltage Monitoring

Integrated Feedback
4 Photodiode Channels
Low Supply Voltage Monitor
Thermal Monitoring Channels

Interfaces
TTL Compatible RS232
DMX512 Compatible RS485,
USB and IIC interface
(optionally available)

Features
4 trans-impedance circuits
for photodiode optical monitoring
4 Auxiliary Inputs available
for switches, potentiometers
etc.

Plug & Play
Simple ON/OFF or
PC Controlled Variable Intensity
and Pseudo Random Colour
Sequencing Available

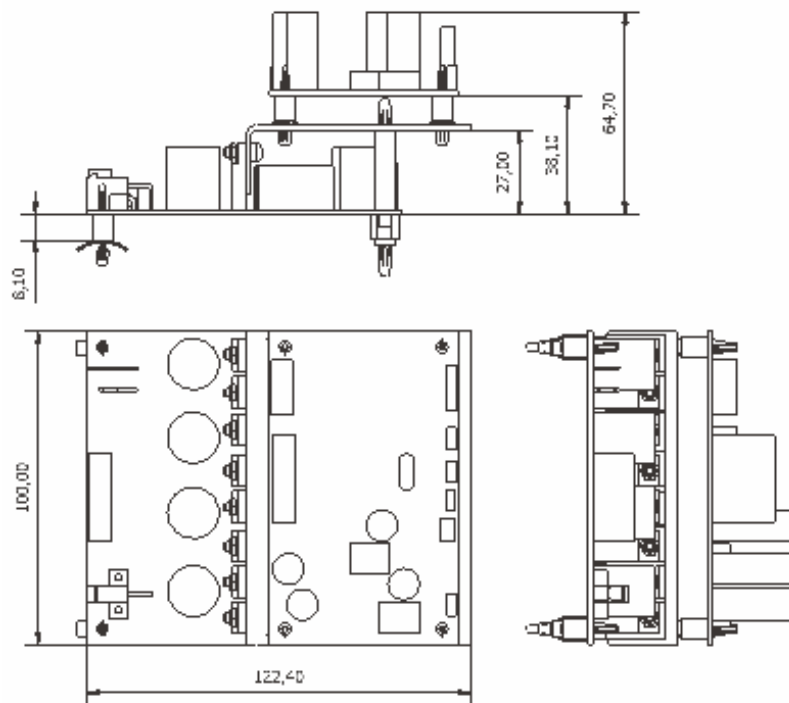


ENFIS QUATTRO LED PCB

Rev. 1.1

Dimensions

100mm (L) x 123mm (W) x ~75 (H) mm



Technical Specification

Operating Temperature	10°C+45°C
Storage Temperature	-20°C+85°C
Weight:	0.3 Kg

Input

Input Power	48V <5A DC
Maximum Power Consumption	~230 Watts

ENFIS

The European Power of Ingenuity

Output Channels

Number of Channels	4
Voltage Range per channel	16 Volts – 42 Volts
Maximum power per channel	50 Watts

Control & Feedback

Permanent temperature monitoring channel – can be customised to multiple channels through auxiliary inputs.
4 – channel efficient LED drivers based on switch mode technology
4 – channel trans-impedance amplification for photodiode light monitoring and control
Current and voltage monitoring of each channel
Low voltage supply monitor

Driver Features

Individual ON/OFF channel
8-bit Pulse Width Modulation (PWM) for dimming
Pseudo random colour sequencing

Connectivity

4 auxiliary inputs available for switches, potentiometers etc.
TTL RS-232 interface
DMX512 – RS485 interface
USB/Serial PC interface
I²C interface available for customer requirements

Static Electricity

Care must be taken when handling, these products are sensitive to static electricity. Observe static handling precautions.



Specifications contained in this document are for guidance purposes and subject to change at the discretion of Enfis Ltd