

# Various Useful Modules

## Dual LED Driver (FEA\_LED)

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- 1 GENERAL REMARKS
- 2 LOGICAL DATA
- 3 MECHANICAL DATA

## 1 General Remarks

The module is a 14 x 14 mm (550 x 550 mil) mezzanine board.

Power consumption: ~ ? A @ 5 V.

The module contains two LED drivers. A high TTL level at the input will turn the LED on, a low level will turn the LED off. Short pulses will be stretched to about 250 ms, i.e. a single short pulse will be clearly visible. The LED may be directly connected to the output (the current limiting resistor is part of the module).

## 2 Logical Data

The symbol to be used on schematic drawings in the DESY-FE Mentor System is:

**FEA\_LED'** (DIGITAL LIB / MISC IC LIB)

The module uses the following pinning:

PIN	SIGNAL
1	INPUT 1
2	INPUT 2
3	GND
4	OUTPUT 2
5	OUTPUT 1
6	VCC

### 3 Mechanical Data

The symbol to be used on the PCB in the DESY-FE Mentor System is:

'fea\_led' (\$DESY\_GEOM / std\_geom).

