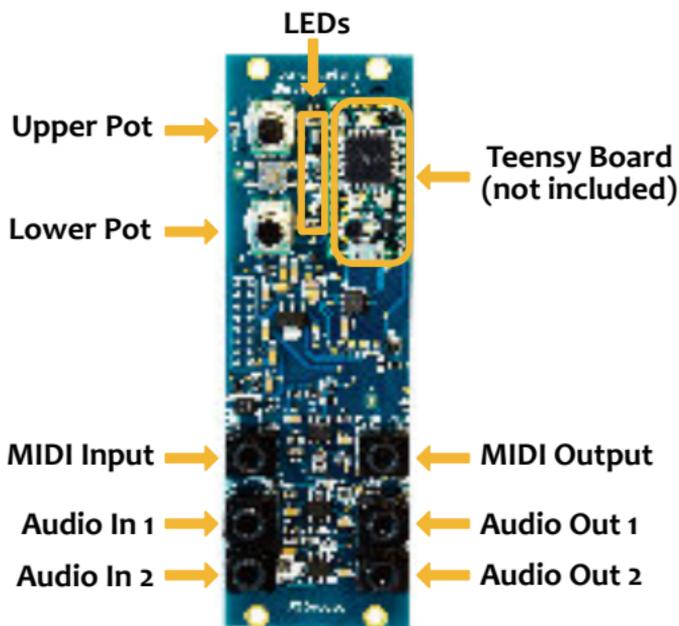


euroshield 1

Synthesizer + Effects Development Board for Eurorack

1010music



Download Documentation



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System Requirements:

- Teensy Development Board ver. 3.0 up to 3.6. Ver 3.2 is recommended.
- PC or Mac for running the development tools and programming the Teensy module.
- Eurorack compatible case with power and 8HP available.
- A USB A to microB USB cable to connect the Teensy to your computer.



Join the community at forum.1010music.com.

Teensy Pin Assignments with Euroshield

Teensy Pin	Euroshield Usage	Comments
GND	Euroshield Ground	Connected to ground
0	MIDI Input	Receives MIDI input
1	MIDI Output	Sends MIDI output
2	Button Input	Pressed=LOW; Normal=HIGH
3	LED 1 (Bottom)	Off=LOW; ON=HIGH
4	LED 2	Off=LOW; ON=HIGH
5	LED 3	Off=LOW; ON=HIGH
6	LED 4 (Top)	Off=LOW; ON=HIGH
7	Not connected	
8	Not connected	
9	Audio CODEC BCLK	Same as PJRC audio shield
10	Not connected	
11	Audio CODEC MCLK	Same as PJRC audio shield
12	Not connected	
13	Audio CODEC RX	Same as PJRC audio shield
14	Not connected	
15	Not connected	
16	Not connected	
17	Not connected	
18	Audio CODEC SDA	Same as PJRC audio shield
19	Audio CODEC SCL	Same as PJRC audio shield
20	Upper Pot Input	Range: 0 to 1023
21	Lower Pot Input	Range: 0 to 1023
22	Audio CODEC TX	Same as PJRC audio shield
23	Audio CODEC LRCLK	Same as PJRC audio shield
3.3V	Used by Euroshield	
AGND	Not connected	
Vin	Power to Teensy	+5V supplied by euroshield