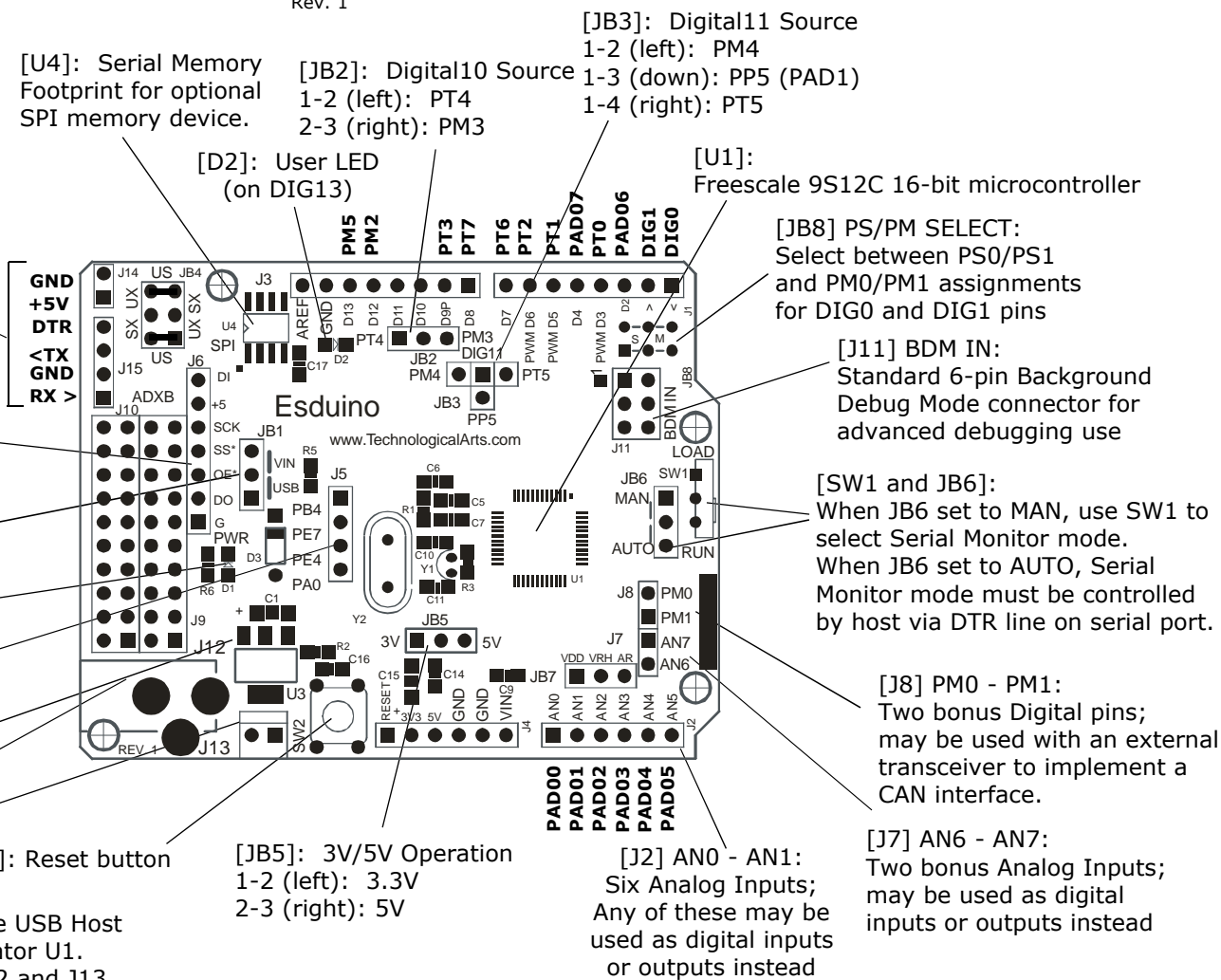


Esduino

9S12C-based Arduino-compatible*

Rev. 1



Power Configurations:

Instead of deriving 5V to power the board from the USB Host connection, it can be derived from on-board regulator U1. Two different power connections are provided: J12 and J13. The 2-pin J13 Molex connector is the default, while J12 is an optional barrel jack connector (2.1mm center-positive) compatible with most common AC-to-DC adapters. If J12 is present, and a voltage supply is plugged in, it will automatically override J13. The applied voltage (VIN) can be anywhere in the range of 7 to 15V DC. To choose VIN as the source of system 5V (via regulator U1), set jumper block JB1 to the 2-3 (upper) position.

Order Codes:

- ESD12C32 (with 9S12C32; surface-mount devices only)**
- ESD12C128 (with 9S12C128; surface-mount devices only)**
- ESD12C32-KIT (ESD12C32 plus kit of through-hole parts)**
- ESD12C128-KIT (ESD12C128 plus kit of through-hole parts)**
- ESD12C32-UR (fully assembled with 9S12C32, USB2MCU and connectors)**
- ESD12C128-UR (fully assembled with 9S12C128, USB2MCU and connectors)**

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* Footprint and pinout are compatible with standard Arduino-style shields; Arduino software environment support pending.



EsduinoDAT1a
JANUARY 2011