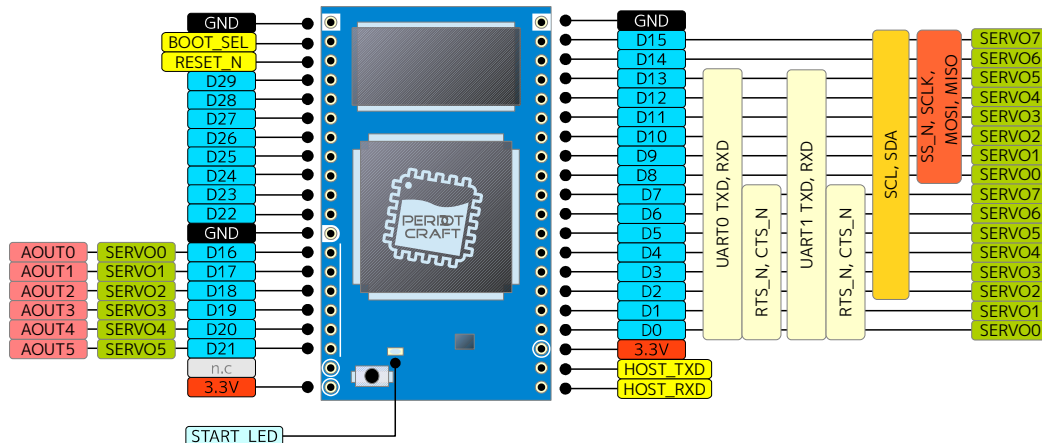


PERIDOT Piccolo is the new rapid prototyping tool which can rewrite hardware.

This board is an easy procedure, and it's possible to use various hardware I/O. Composition information on a script execution engine and I/O just writes packaged firmware in that from a development environment.

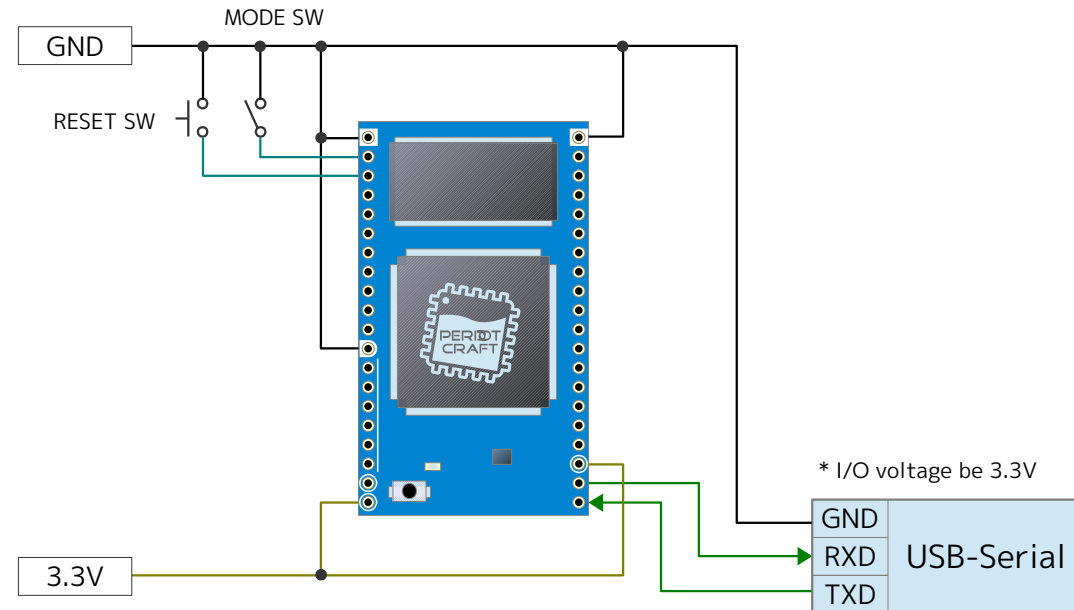
*Specification

- 1100mil/40pins DIP-shape (53.4mm×30.5mm)
- 8Mbytes on-board memory (64Mbit SDRAM)
- 4Mbytes on-board storage (32Mbit SPI-Flash)
- PIO 30pins (sharing analog input is 6pins)
- User LED
- 3.3V Single power supply
- A boot loader is already written in.
- Rubic Development environment.
NiosII/f(32bitRISC CPU)
Filesystem for on-board storage
JavaScript VM



*How to use

- A PSW on the board is used including rereading of firmware.
- When MODE SW is turned on and power supply on or a re-load is performed, it'll be a boot loader mode. When firmware rewrites, it's made this mode.
- When loading the firmware written in, MODE SW is turned off and power supply on or a re-load is performed.
- The RESET switch reexecutes loaded firmware.
- TXD and RXD of USB-serial change are connected to a HOST communication pin of a board. These are used by communication with a host development environment.



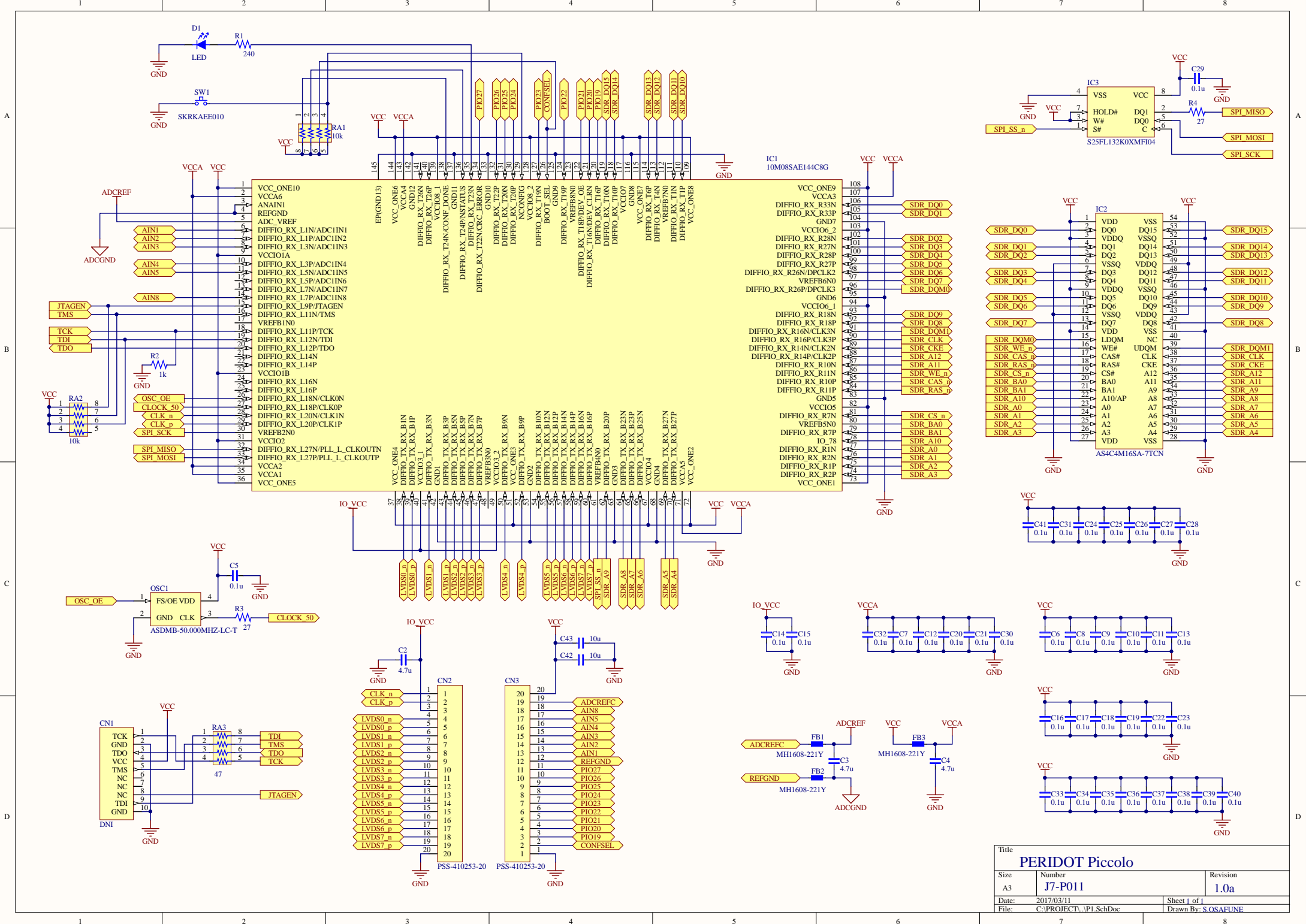
*Notice

- PERIDOT Piccolo is goods for developers. The user shoulders legal responsibility to every kind of accident and damage which occurred using this board.
- When the specification of this board is changed, there is a case that we don't give a notice.

*Github

https://github.com/osafune/peridot_newgen





Title		
PERIDOT Piccolo		
Size	Number	Revision
A3	J7-P011	1.0a
Date:	2017/03/11	Sheet 1 of 1
File:	C:\PROJECT\PI.SchDoc	Drawn By: S.OSAFUNE