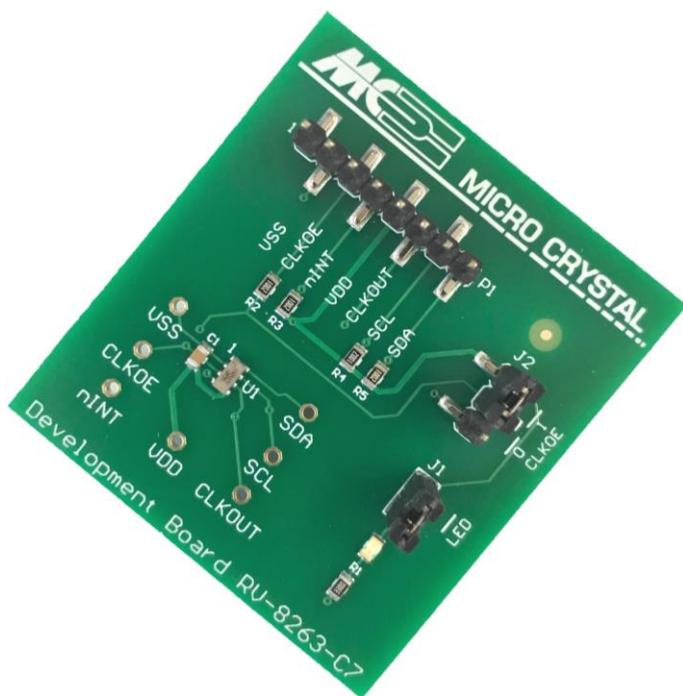


# DEVELOPMENT BOARD



# RV-8263-C7

## Low-Power Real-Time Clock / Calendar Module

DATE:	January 2019	Revision No.: 1
-------	--------------	-----------------

Headquarters: Page 1/3  
Micro Crystal AG  
Muehlestrasse 14  
CH-2540 Grenchen  
Switzerland

Tel. +41 32 655 82 82  
Fax +41 32 655 82 83  
Internet [www.microcrystal.com](http://www.microcrystal.com)  
Email [sales@microcrystal.com](mailto:sales@microcrystal.com)

## RV-8263-C7

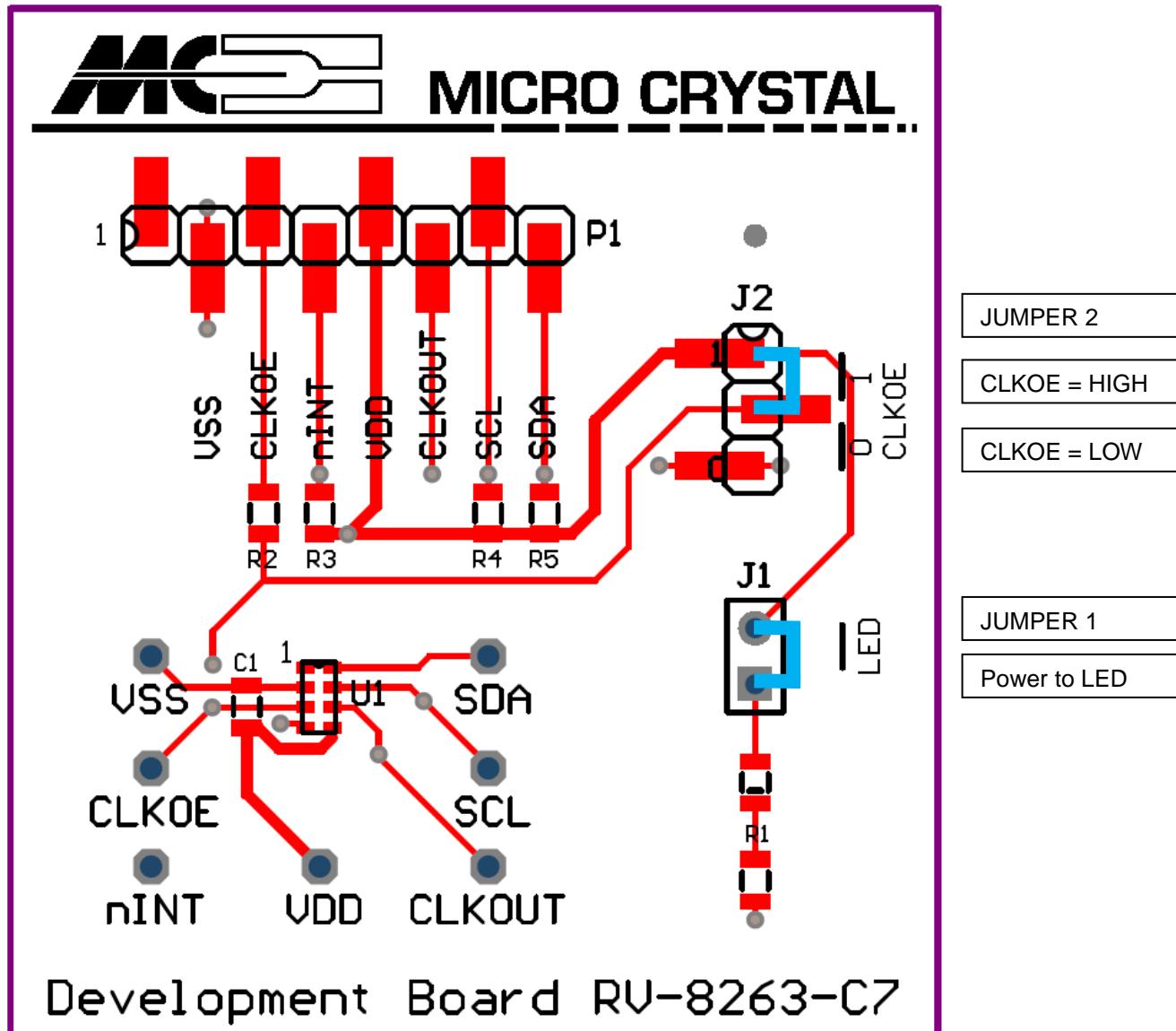
The RV-8263-C7 is soldered onto the Development Board.

Every pin is either accessible at test pins 1 – 8 or at the test vias situated around the device.

The following passive components are already soldered on the board:

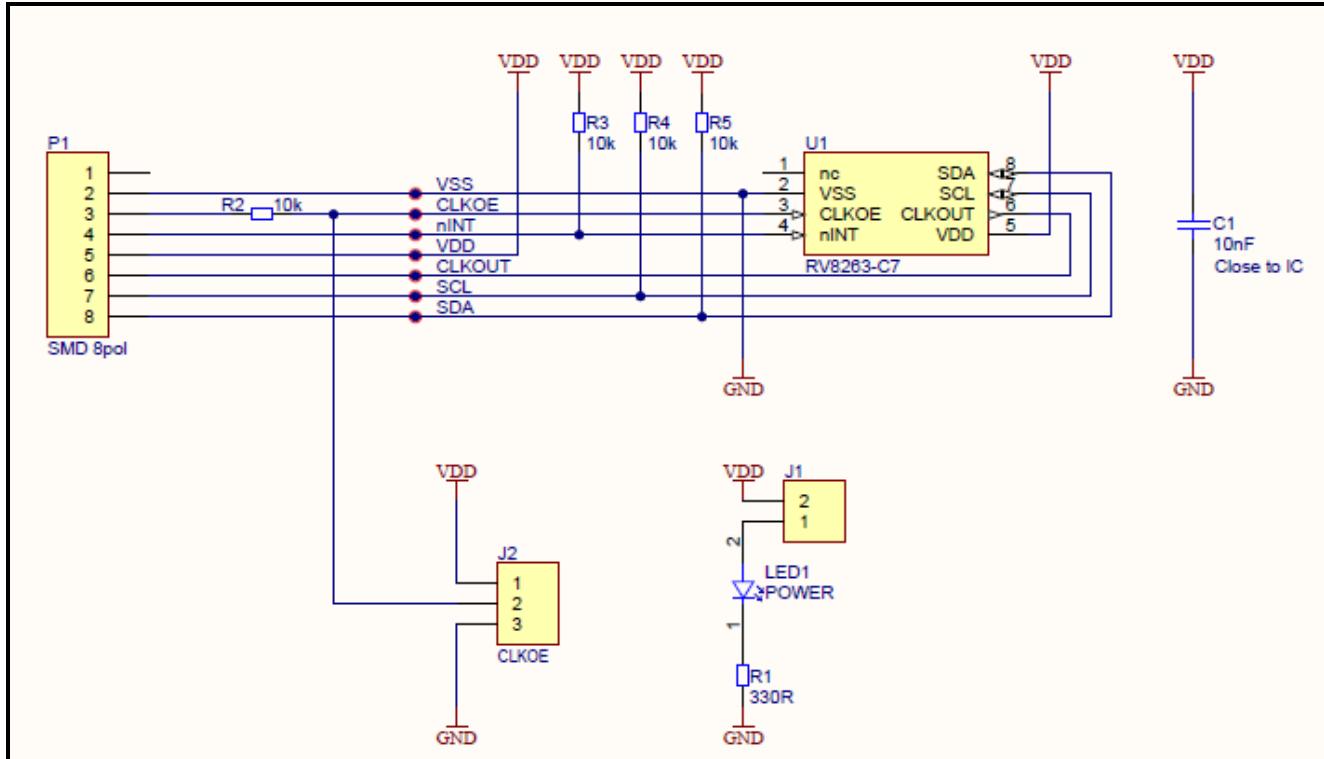
C1	10 nF	Decoupling capacitor between $V_{SS}$ and $V_{DD}$
R1	330 $\Omega$	Current limiting resistor for LED
LED	green	Supply on, current consumption of the LED has to be considered
R2	10 k $\Omega$	Protection resistor to prevent short-circuit between external CLKOE signal and Jumper
R3	10 k $\Omega$	Pull-up resistor $\overline{INT}$ to $V_{DD}$
R4	10 k $\Omega$	Pull-up resistor SCL to $V_{DD}$
R5	10 k $\Omega$	Pull-up resistor SDA to $V_{DD}$

### DEVELOPMENT BOARD

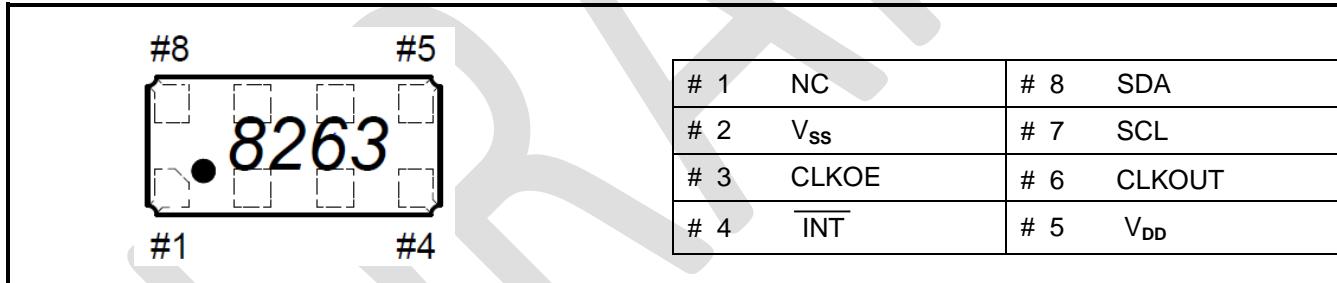


---

## SCHEMATICS



PINOUT RV-8263-C7



## PIN DESCRIPTION

Symbol	Pin #	Description
NC	1	Not connected. Is internally connected and should be left floating.
VSS	2	Ground
CLKOE	3	Input to enable the CLKOUT pin. If CLKOE is HIGH, the CLKOUT pin is in output mode. When CLKOE is tied to Ground, the CLKOUT pin is LOW.
<u>INT</u>	4	Interrupt Output; open-drain; active LOW; requires pull-up resistor; Used to output alarm, minute, half minute, countdown timer and compensation Interrupt signals
VDD	5	Power Supply Voltage
CLKOUT	6	Clock Output; push-pull; controlled by CLKOE. If CLKOE is active HIGH, the CLKOUT pin drives the square wave of 32.768 kHz, 16.384 kHz, 8.192 kHz, 4.096 kHz, 2.048 kHz, 1.024 kHz or 1 Hz (Default value is 32.768 kHz). When CLKOE is tied to Ground, the CLKOUT pin is LOW
SCL	7	I <sup>2</sup> C Serial Clock Input. Requires pull-up resistor.
SDA	8	I <sup>2</sup> C Serial Data Input-Output. Requires pull-up resistor.

Datasheet and Application-Manual are available for download under: [www.microcrystal.com](http://www.microcrystal.com)